

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090619\
 Data File : VU034313.D
 Acq On : 06 Sep 2019 02:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Quant Time: Sep 06 08:58:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	310279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	465507	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	472291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	311186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	241837	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
35) Dibromofluoromethane	4.86	113	214654	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
50) Toluene-d8	7.55	98	843771	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	10.29	95	318922	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	

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Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	147124	45.338	ug/l	98
3) Chloromethane	1.32	50	172025	49.066	ug/l	99
4) Vinyl Chloride	1.40	62	185826	45.954	ug/l	99
5) Bromomethane	1.61	94	107866	52.797	ug/l	99
6) Chloroethane	1.69	64	121493	51.727	ug/l	100
7) Trichlorofluoromethane	1.87	101	255219	47.071	ug/l	99
8) Diethyl Ether	2.09	74	115598	48.470	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	165323	46.037	ug/l	99
10) Methyl Iodide	2.40	142	130076	40.392	ug/l	98
11) Tert butyl alcohol	2.81	59	248932	250.990	ug/l	100
12) 1,1-Dichloroethene	2.27	96	159877	47.359	ug/l	98
13) Acrolein	2.18	56	155923	187.048	ug/l	99
14) Allyl chloride	2.58	41	294035m	45.559	ug/l	
15) Acrylonitrile	2.92	53	638940	258.699	ug/l	98
16) Acetone	2.31	43	501198	206.302	ug/l	99
17) Carbon Disulfide	2.46	76	331943	43.750	ug/l	99
18) Methyl Acetate	2.60	43	283187	47.905	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	627826	51.023	ug/l	99
20) Methylene Chloride	2.68	84	203750	51.213	ug/l	100
21) trans-1,2-Dichloroethene	2.97	96	170504	47.928	ug/l	98
22) Diisopropyl ether	3.55	45	652241	51.822	ug/l	99
23) Vinyl Acetate	3.50	43	2655794	259.045	ug/l	99
24) 1,1-Dichloroethane	3.43	63	362874	48.278	ug/l	99
25) 2-Butanone	4.24	43	827709	255.231	ug/l	100
26) 2,2-Dichloropropane	4.20	77	219356	36.286	ug/l	97
27) cis-1,2-Dichloroethene	4.20	96	214983	49.757	ug/l	97
28) Bromochloromethane	4.52	49	179247	51.847	ug/l	99
29) Tetrahydrofuran	4.61	42	522796	264.925	ug/l	100
30) Chloroform	4.65	83	362144	47.400	ug/l	100
31) Cyclohexane	4.97	56	258248	46.964	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	298959	48.942	ug/l	99
36) 1,1-Dichloropropene	5.12	75	234871	46.523	ug/l	99
37) Ethyl Acetate	4.36	43	295496	49.506	ug/l	100
38) Carbon Tetrachloride	5.11	117	250869	46.540	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	253106	46.899	ug/l	100
40) Benzene	5.37	78	774187	47.525	ug/l	100
41) Methacrylonitrile	4.52	41	164867	51.854	ug/l	99
42) 1,2-Dichloroethane	5.38	62	265440	46.932	ug/l	100
43) Isopropyl Acetate	5.53	43	463506	49.778	ug/l	99
44) Trichloroethene	6.16	130	218123	48.388	ug/l	99
45) 1,2-Dichloropropane	6.41	63	229553	48.202	ug/l	97
46) Dibromomethane	6.54	93	144984	48.501	ug/l	99
47) Bromodichloromethane	6.74	83	292382	47.517	ug/l	99
48) Methyl methacrylate	6.60	41	216507	48.955	ug/l	98
49) 1,4-Dioxane	6.59	88	95085	984.593	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1618201	251.064	ug/l	100
52) Toluene	7.62	92	498714	48.803	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	299520	46.957	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	331812	47.397	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	222517	47.955	ug/l	99
56) Ethyl methacrylate	8.00	69	329355	46.921	ug/l	100
57) 1,3-Dichloropropane	8.22	76	362818	48.019	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	581862	244.361	ug/l	100
59) 2-Hexanone	8.34	43	1222962	253.988	ug/l	100
60) Dibromochloromethane	8.46	129	242100	48.644	ug/l	98
61) 1,2-Dibromoethane	8.57	107	223046	49.111	ug/l	100
64) Tetrachloroethene	8.21	164	196694	48.005	ug/l	96
65) Chlorobenzene	9.10	112	571695	47.712	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	212482	46.466	ug/l	99
67) Ethyl Benzene	9.23	91	960521	49.027	ug/l	99
68) m/p-Xylenes	9.36	106	748400	101.444	ug/l	99
69) o-Xylene	9.76	106	366711	50.827	ug/l	99
70) Styrene	9.77	104	653202	51.638	ug/l	100
71) Bromoform	9.94	173	190785	48.140	ug/l	98
73) Isopropylbenzene	10.15	105	994542	49.110	ug/l	100
74) N-amyl acetate	9.99	43	421311	51.684	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	378950	46.229	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	312662m	46.030	ug/l	
77) Bromobenzene	10.43	156	268028	47.334	ug/l	99
78) n-propylbenzene	10.57	91	1143711	48.901	ug/l	99
79) 2-Chlorotoluene	10.64	91	693312	48.583	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	857851	50.650	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	92089m	45.592	ug/l	
82) 4-Chlorotoluene	10.75	91	798465	48.620	ug/l	100
83) tert-Butylbenzene	11.08	119	833901	49.217	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	870512	51.060	ug/l	100
85) sec-Butylbenzene	11.31	105	1005610	50.273	ug/l	100
86) p-Isopropyltoluene	11.46	119	928894	50.313	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	488765	47.302	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	496572	46.075	ug/l	100
89) n-Butylbenzene	11.87	91	803009	50.050	ug/l	100
90) Hexachloroethane	12.12	117	135856	45.994	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	484830	47.743	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	77672	51.565	ug/l	100

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#

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QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	340903	46.544	ug/l	99
94) Hexachlorobutadiene	13.67	225	159365	44.864	ug/l	100
95) Naphthalene	13.72	128	952679	46.257	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	333640	47.065	ug/l	100

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

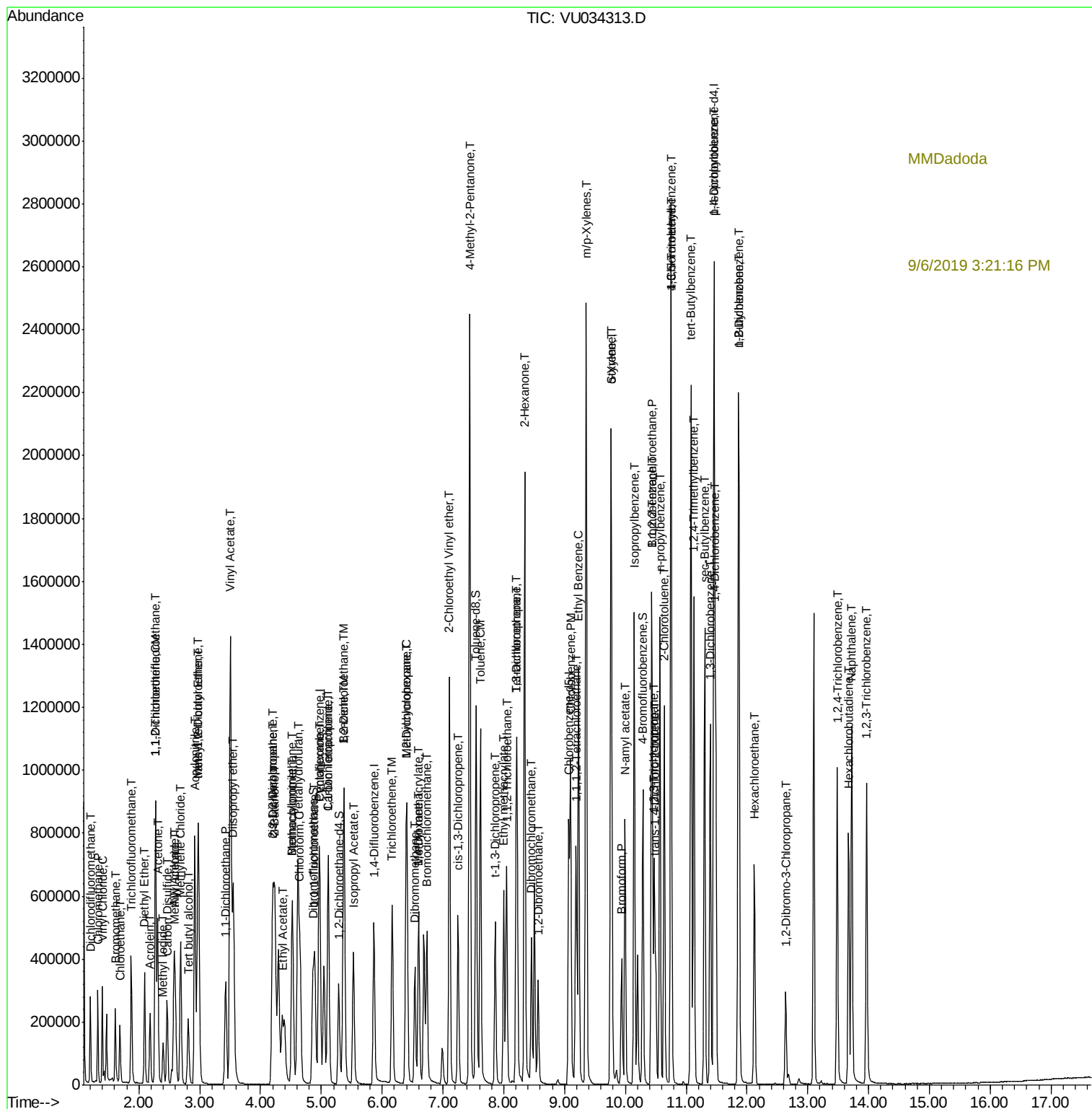
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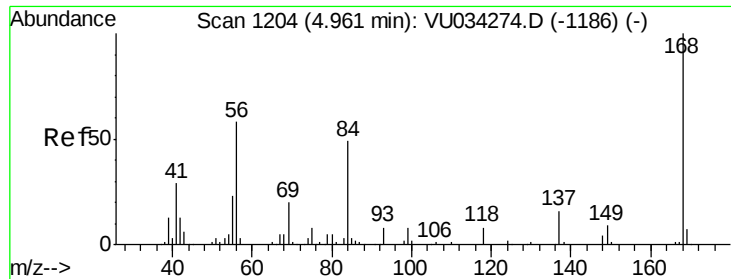
Manual Integrations
APPROVED

Quant Time: Sep 06 08:58:56 2019
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Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration



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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 310279

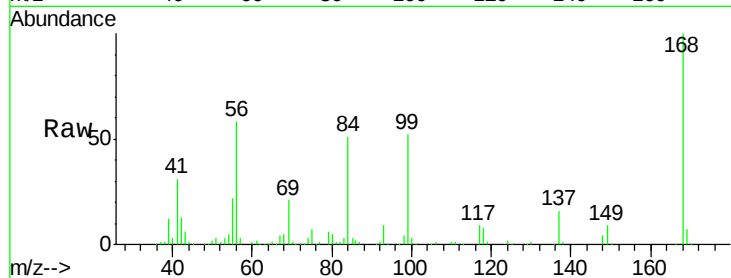
Ion Ratio Lower Upper

168 100

99 51.3 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

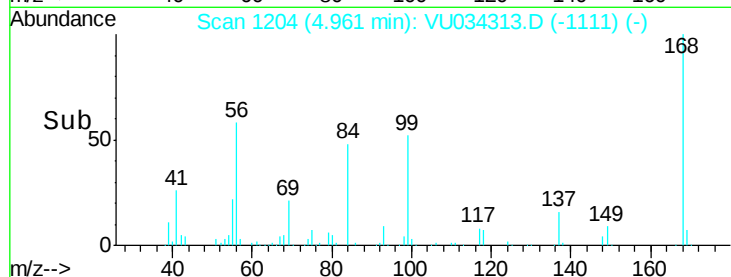
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100000

50000

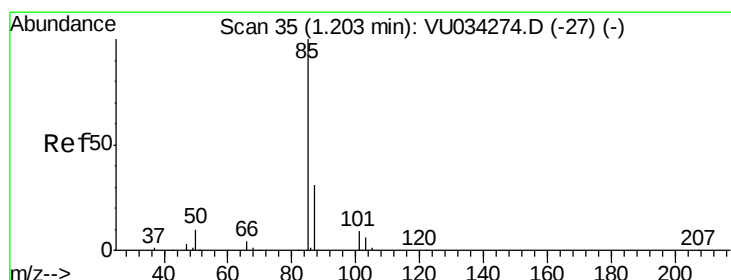
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Time-->



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#2

Dichlorodifluoromethane

Concen: 45.338 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034313.D

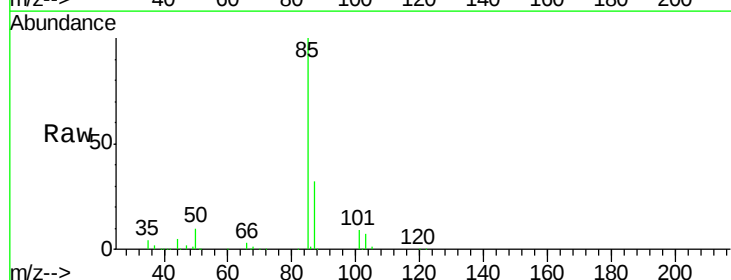
Acq: 06 Sep 2019 02:47

Tgt Ion: 85 Resp: 147124

Ion Ratio Lower Upper

85 100

87 32.4 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034274.D (-27) (-)

1.20

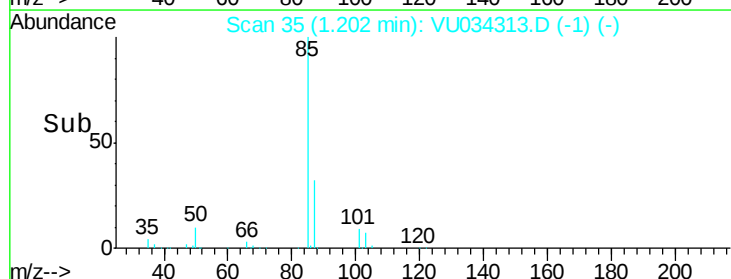
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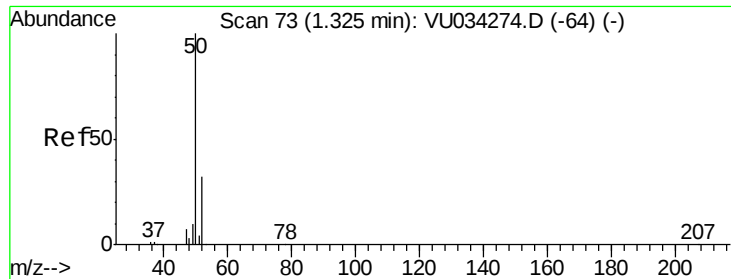
100000

50000

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Time-->





#3

Chloromethane

Concen: 49.066 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

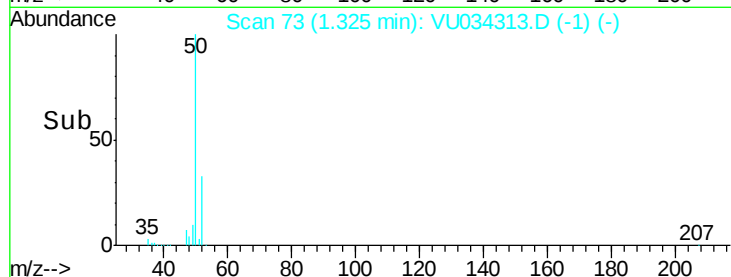
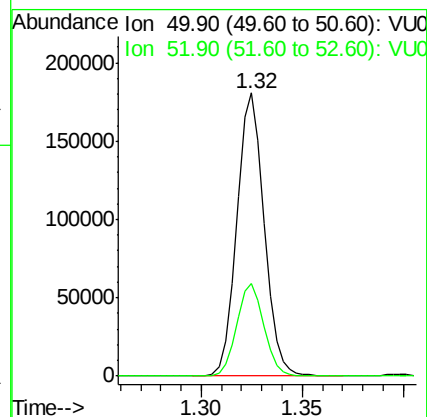
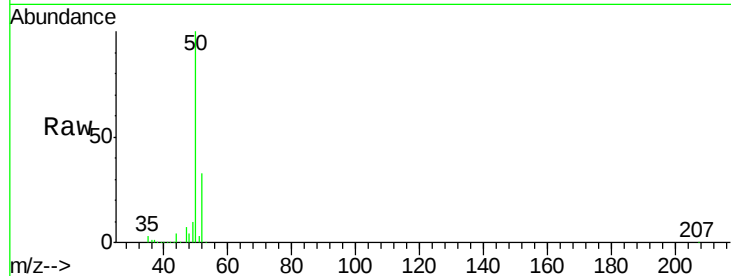
Tot Ion: 50 Resp: 172025

Ion Ratio Lower Upper

50 100

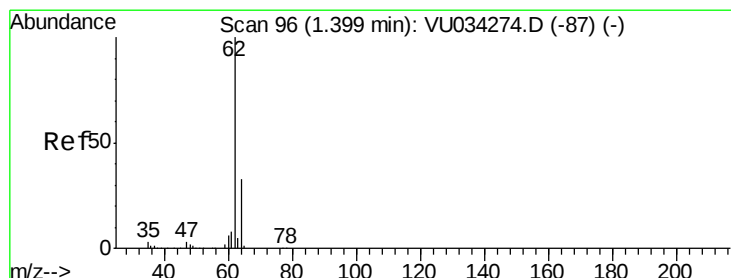
52 32.6 25.8 38.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 45.954 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034313.D

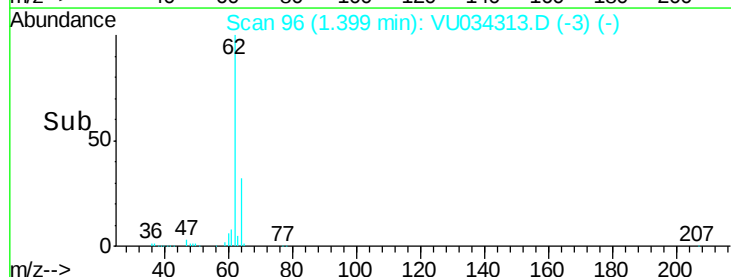
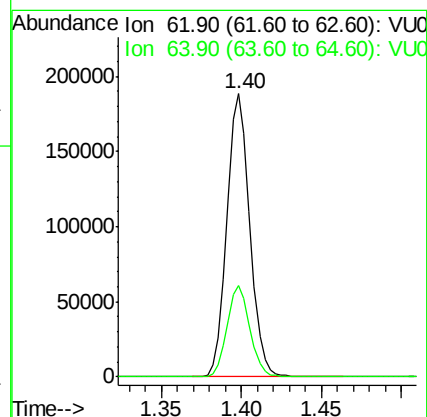
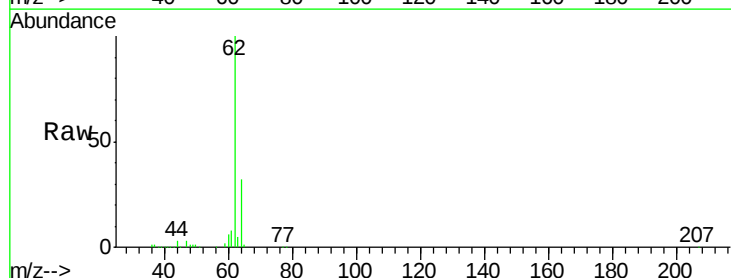
Acq: 06 Sep 2019 02:47

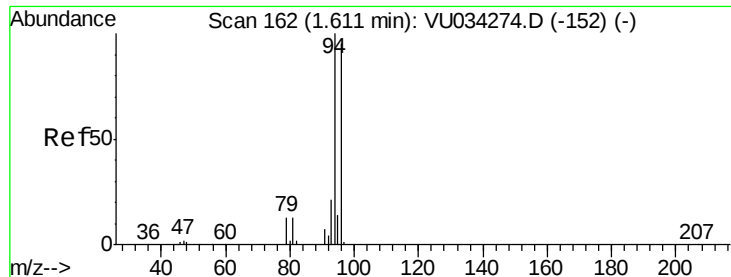
Tgt Ion: 62 Resp: 185826

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.4





#5

Bromomethane

Concen: 52.797 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 107866

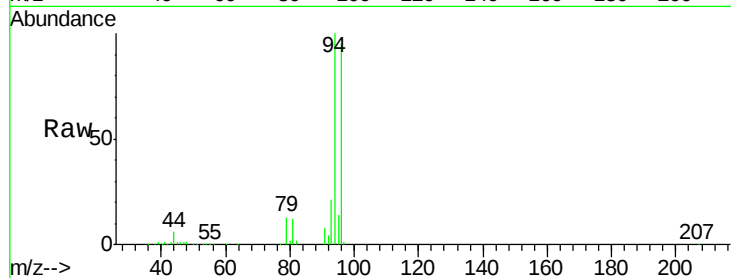
Ion Ratio Lower Upper

94 100

96 95.1 75.7 113.5

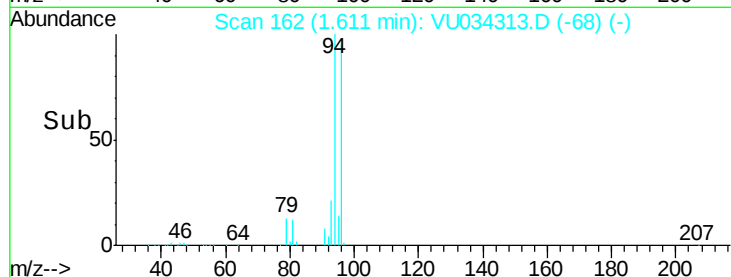
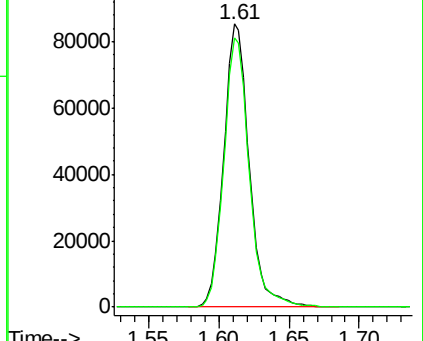
Manual Integrations

APPROVED



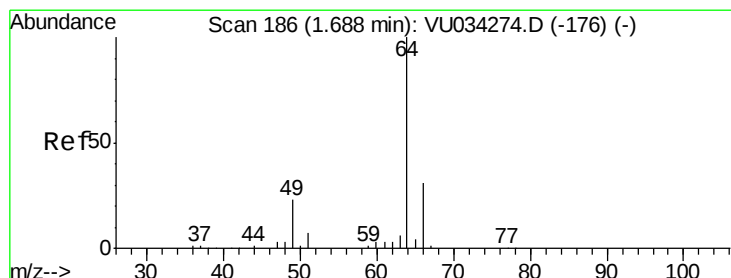
Abundance Ion 93.90 (93.60 to 94.60): VU034313.D (-68) (-)

Ion 95.90 (95.60 to 96.60): VU034313.D (-68) (-)



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#6

Chloroethane

Concen: 51.727 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034313.D

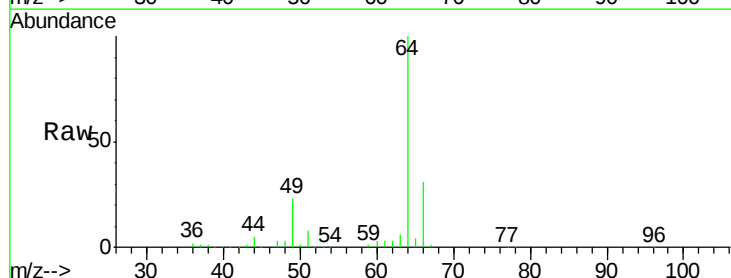
Acq: 06 Sep 2019 02:47

Tgt Ion: 64 Resp: 121493

Ion Ratio Lower Upper

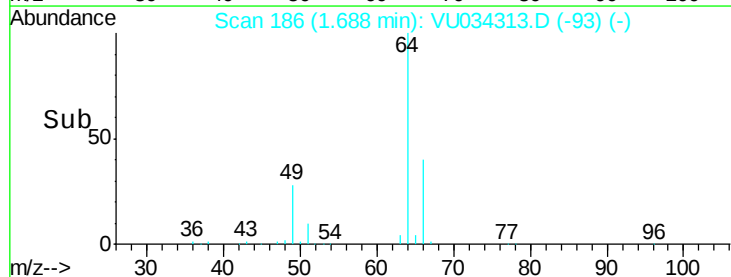
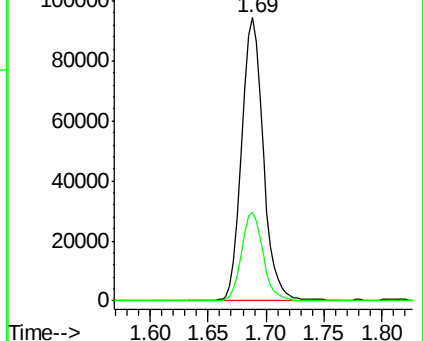
64 100

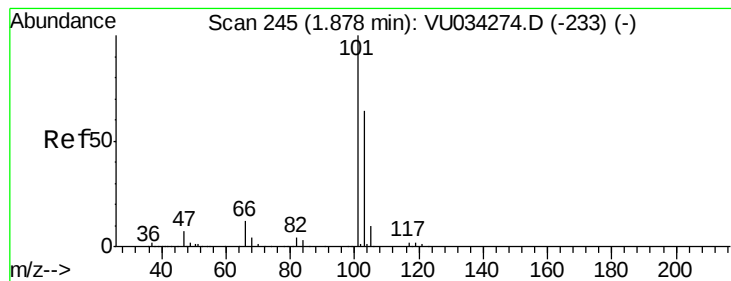
66 31.5 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034313.D (-93) (-)

Ion 65.90 (65.60 to 66.60): VU034313.D (-93) (-)





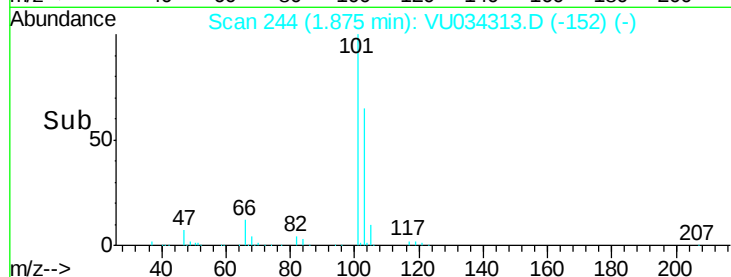
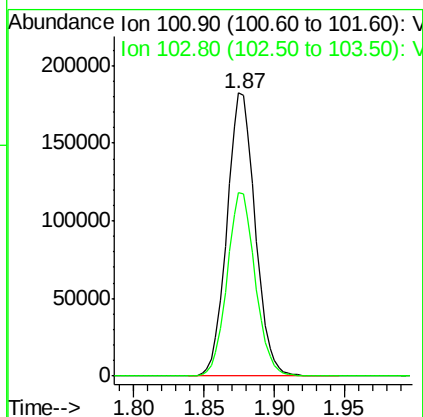
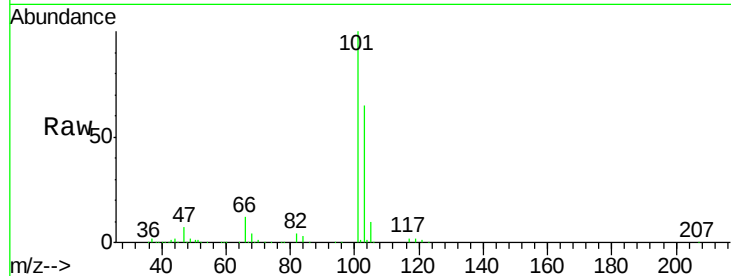
#7

Trichlorofluoromethane
Concen: 47.071 ug/l
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Instrument :
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ClientSampleId :
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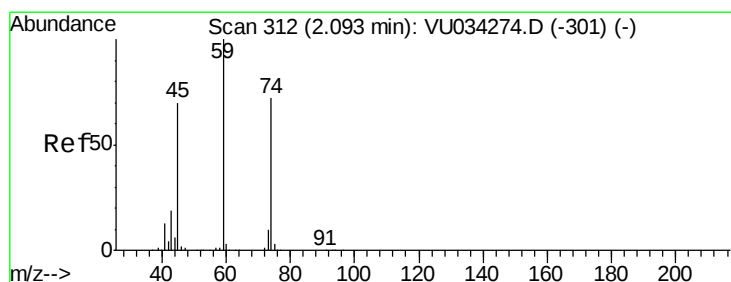
Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.0	76.6

Manual Integrations
APPROVED



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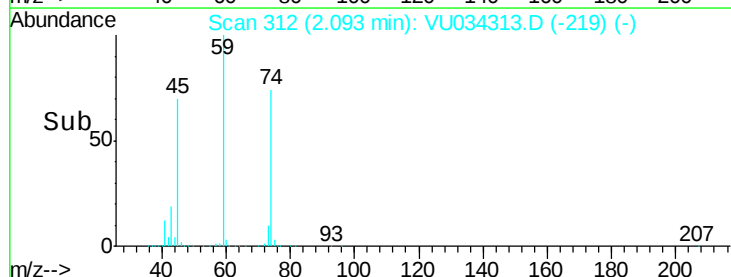
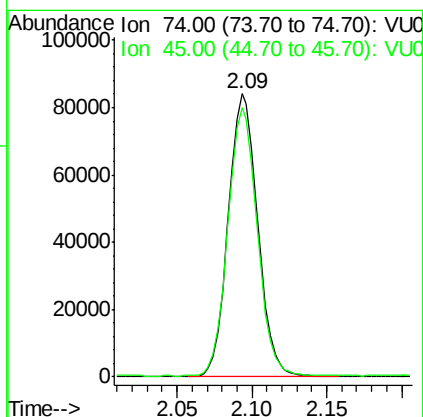
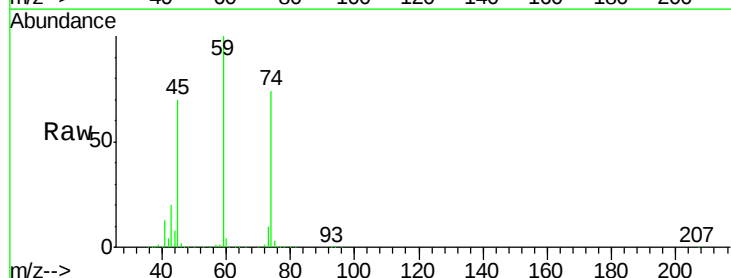
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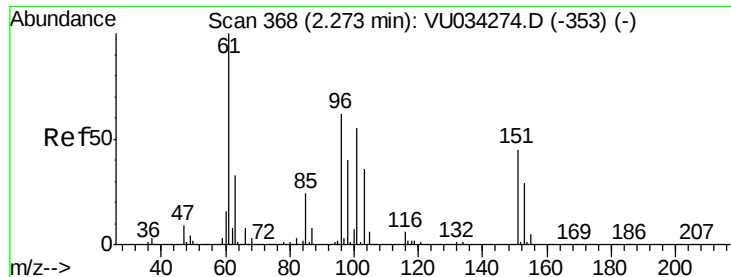


#8

Diethyl Ether
Concen: 48.470 ug/l
RT: 2.09 min Scan# 312
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.037 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

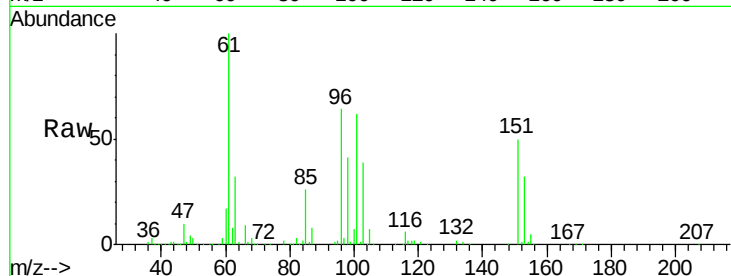
MSVOA_U

ClientSampleId :

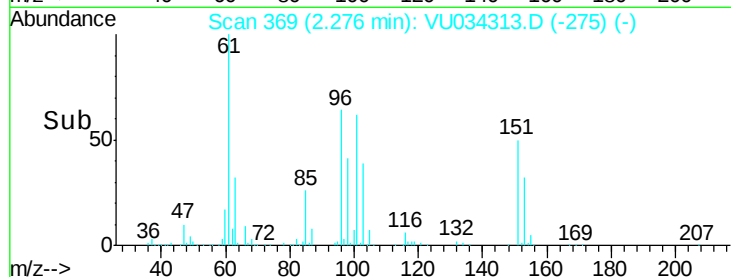
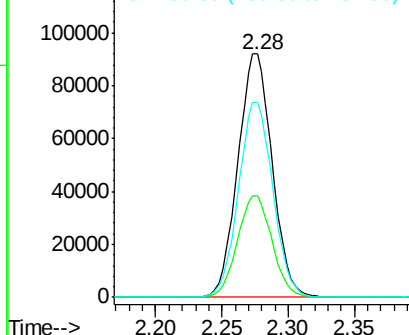
VSTDCCC050EC

Tot Ion:	101	Resp:	165323
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.4	51.6
151	80.4	64.4	96.6

Manual Integrations
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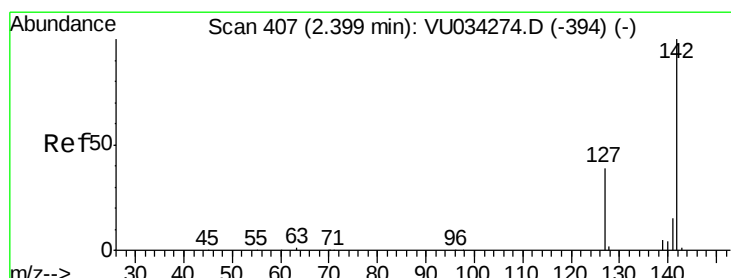


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



MMDadoda

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#10

Methyl Iodide

Concen: 40.392 ug/l

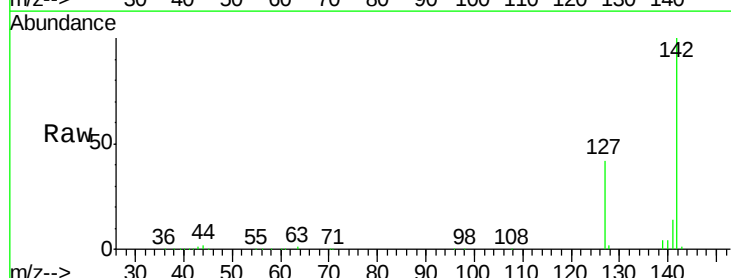
RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

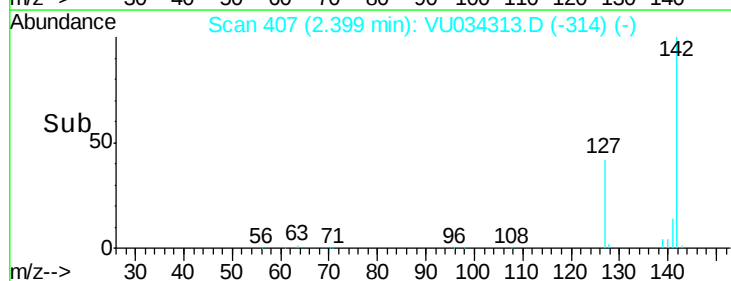
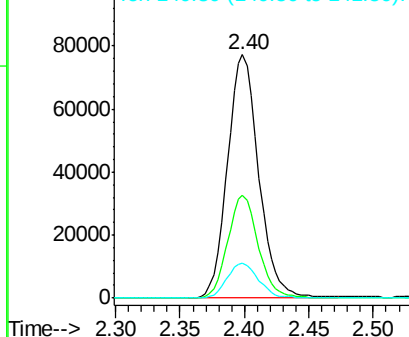
Lab File: VU034313.D

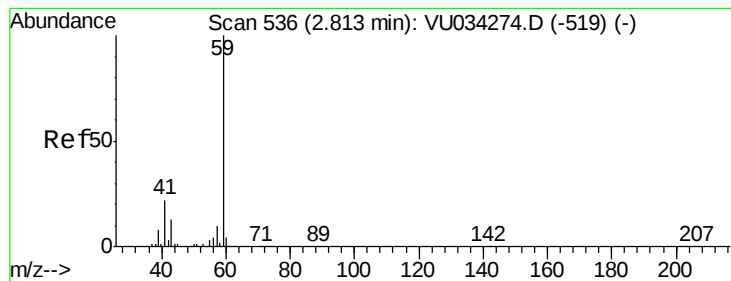
Acq: 06 Sep 2019 02:47

Tgt Ion:	142	Resp:	130076
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.1	48.1
141	14.6	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





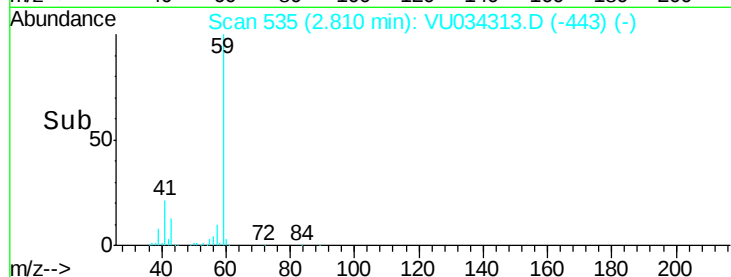
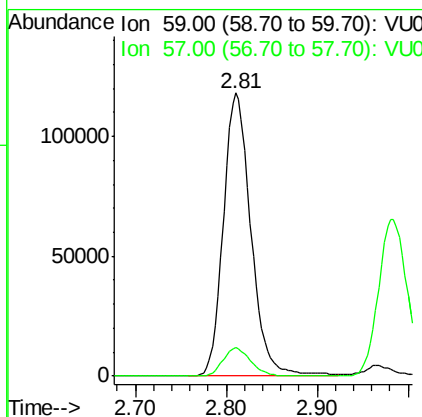
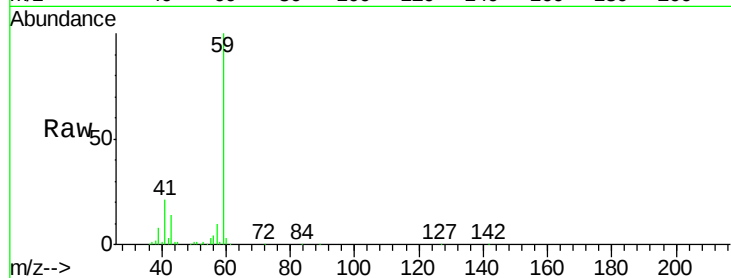
#11

Tert butyl alcohol
Concen: 250.990 ug/l
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

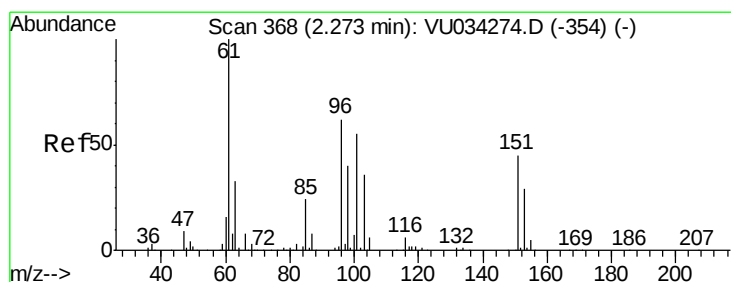
Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.9	11.9

Manual Integrations
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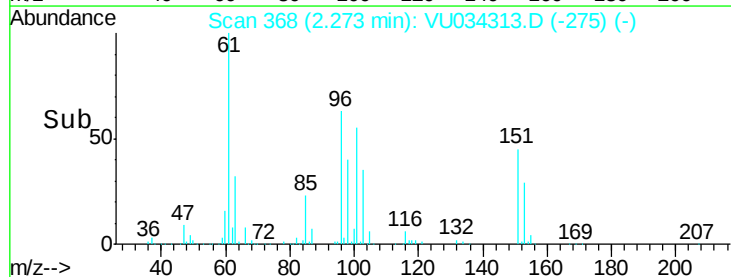
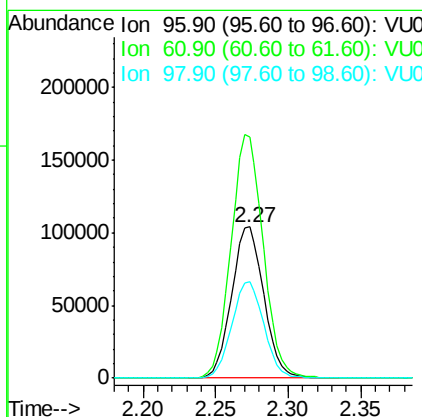
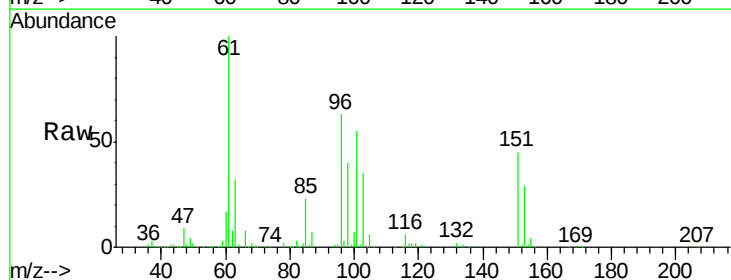
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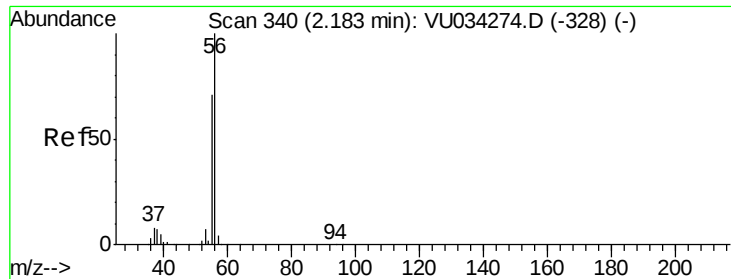


#12

1,1-Dichloroethene
Concen: 47.359 ug/l
RT: 2.27 min Scan# 368
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.6	130.0	195.0
98	63.3	52.2	78.4





#13

Acrolein

Concen: 187.048 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

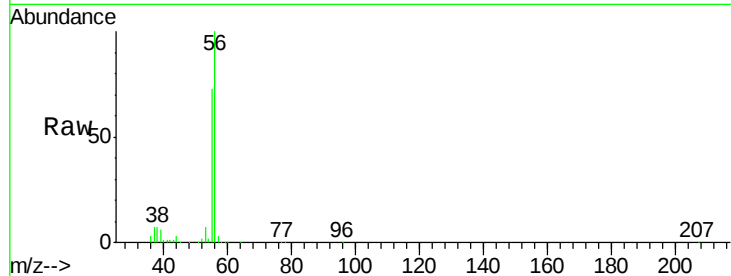
Tot Ion: 56 Resp: 155923

Ion Ratio Lower Upper

56 100

55 70.6 57.4 86.2

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VU034274.D (-328) (-)

Ion 55.00 (54.70 to 55.70): VU034313.D (-247) (-)

2.18

120000

100000

80000

60000

40000

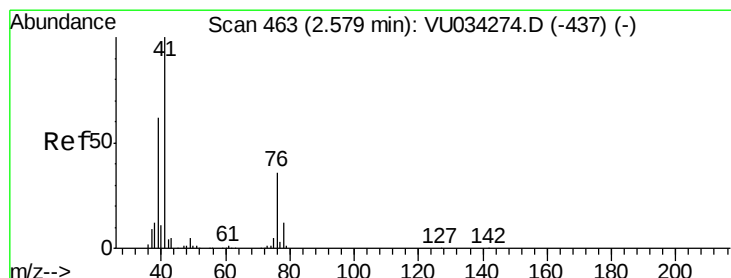
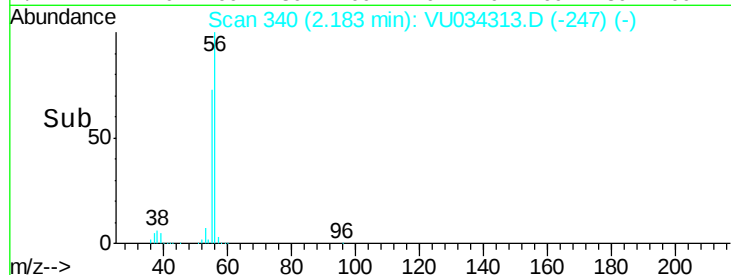
20000

0

Time--> 2.10 2.15 2.20 2.25

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#14

Allyl chloride

Concen: 45.559 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

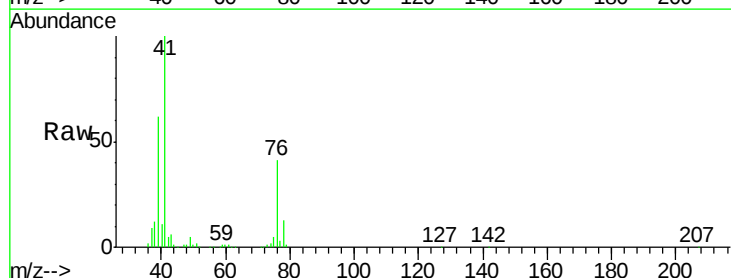
Tgt Ion: 41 Resp: 294035

Ion Ratio Lower Upper

41 100

39 54.1 43.5 65.3

76 34.0 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VU034274.D (-437) (-)

Ion 39.00 (38.70 to 39.70): VU034313.D (-370) (-)

Ion 75.90 (75.60 to 76.60): VU034313.D (-370) (-)

2.58

250000

200000

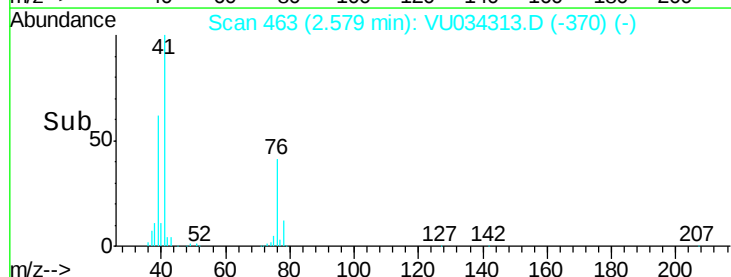
150000

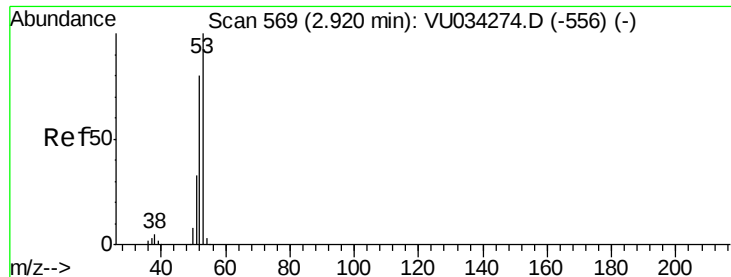
100000

50000

0

Time--> 2.45 2.50 2.55 2.60 2.65





#15

Acrylonitrile

Concen: 258.699 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

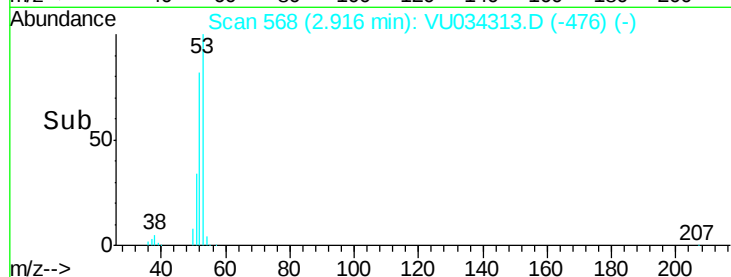
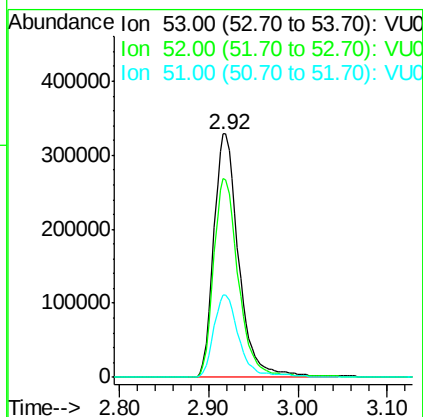
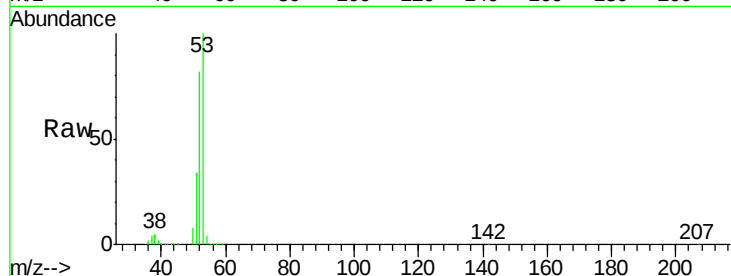
MSVOA_U

ClientSampleId :

VSTDCCC050EC

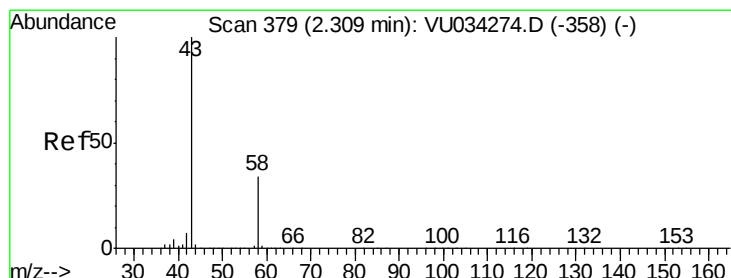
Tot Ion:	53	Resp:	638940
Ion	Ratio	Lower	Upper
53	100		
52	81.8	64.1	96.1
51	34.6	27.4	41.0

Manual Integrations
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#16

Acetone

Concen: 206.302 ug/l

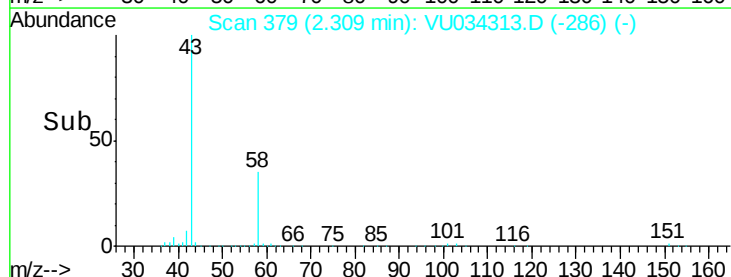
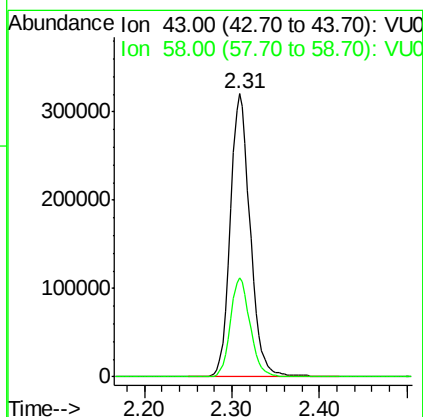
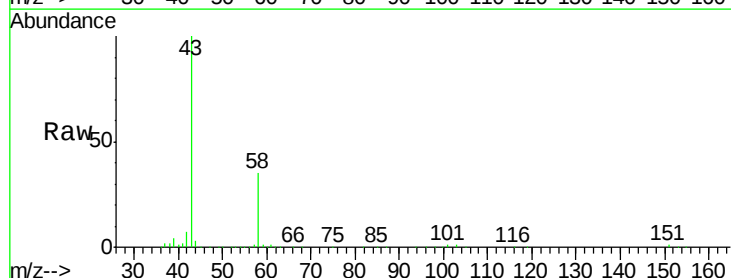
RT: 2.31 min Scan# 379

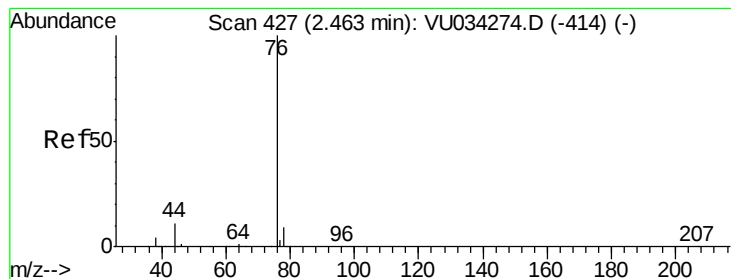
Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Tgt Ion:	43	Resp:	501198
Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.6	41.4





#17

Carbon Disulfide

Concen: 43.750 ug/l

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 331943

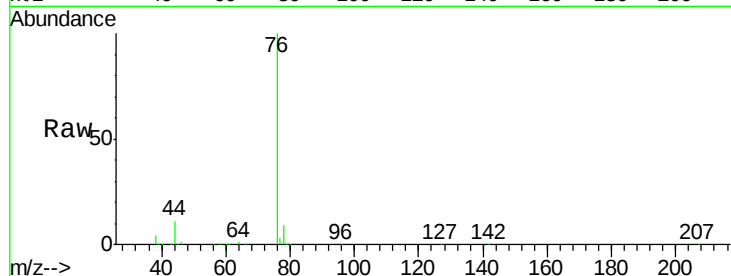
Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

Manual Integrations

APPROVED



Abundance Ion 75.90 (75.60 to 76.60): VU034313.D (-334) (-)

Ion 77.90 (77.60 to 78.60): VU034313.D (-334) (-)

2.46

200000

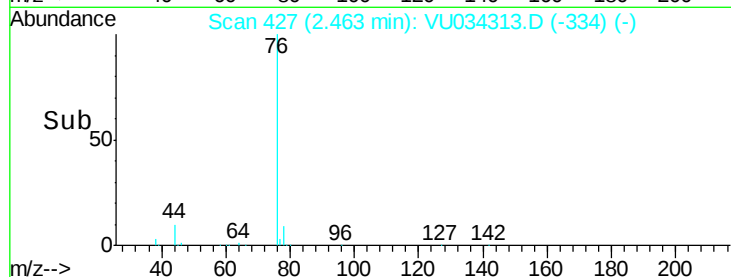
150000

100000

50000

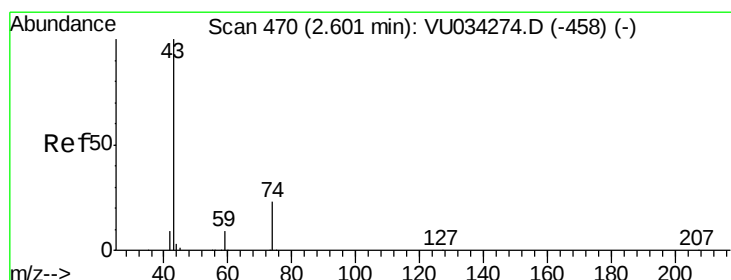
0

Time-->



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#18

Methyl Acetate

Concen: 47.905 ug/l

RT: 2.60 min Scan# 470

Delta R.T. -0.00 min

Lab File: VU034313.D

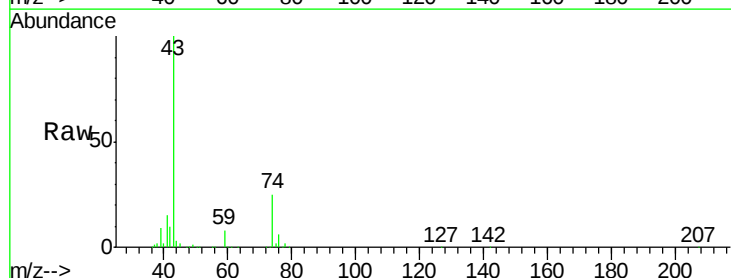
Acq: 06 Sep 2019 02:47

Tgt Ion: 43 Resp: 283187

Ion Ratio Lower Upper

43 100

74 25.1 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VU034313.D (-377) (-)

Ion 74.00 (73.70 to 74.70): VU034313.D (-377) (-)

2.60

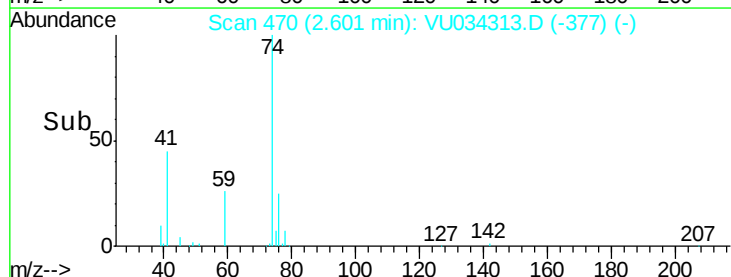
150000

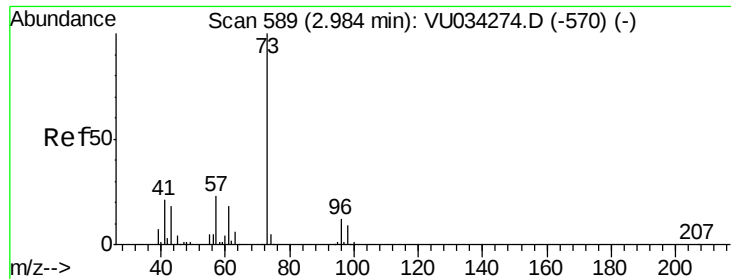
100000

50000

0

Time-->



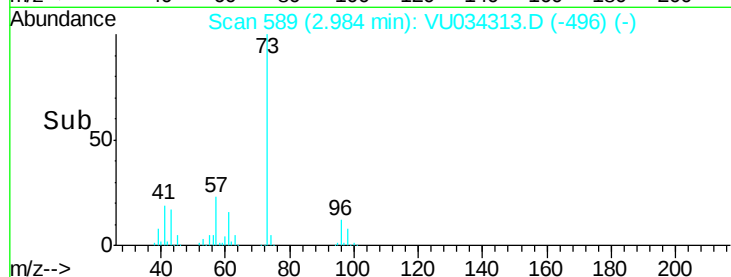
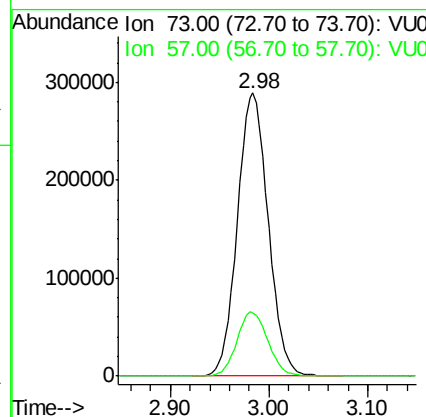
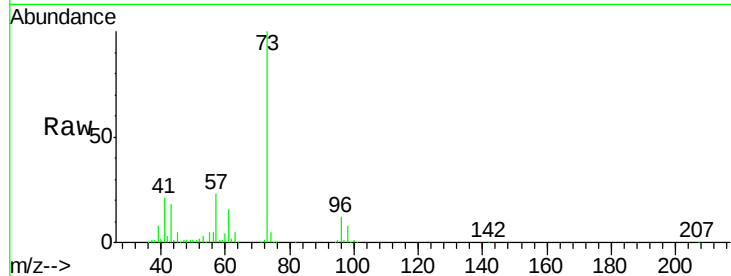


#19
Methvl tert-butvl Ether
Concen: 51.023 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

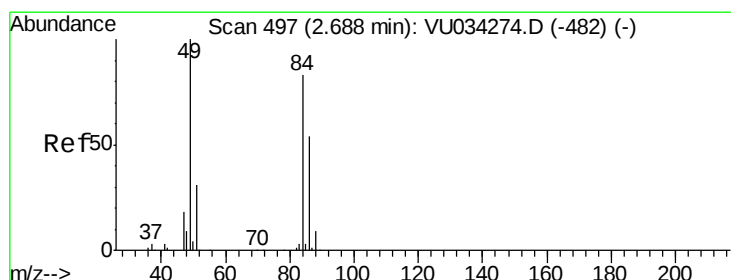
Tot Ion: 73 Resp: 627826
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4

Manual Integrations
APPROVED



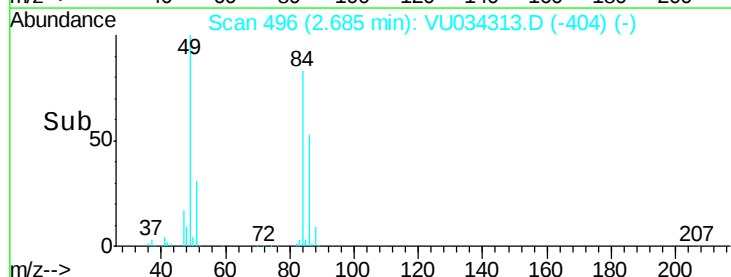
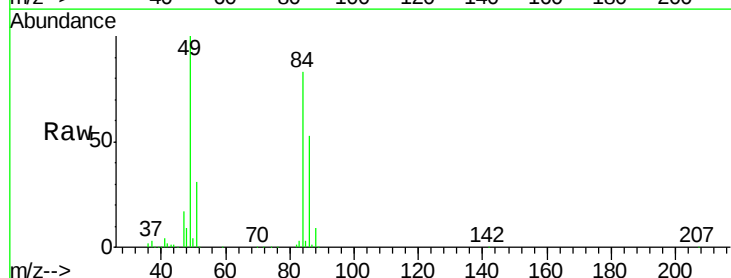
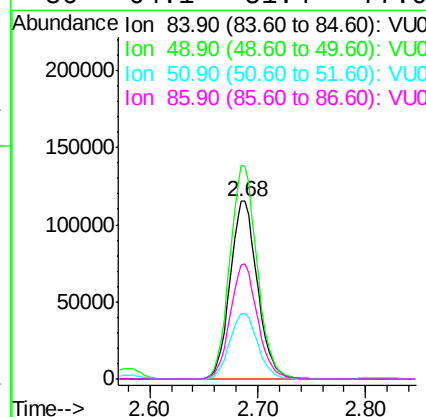
MMDadoda

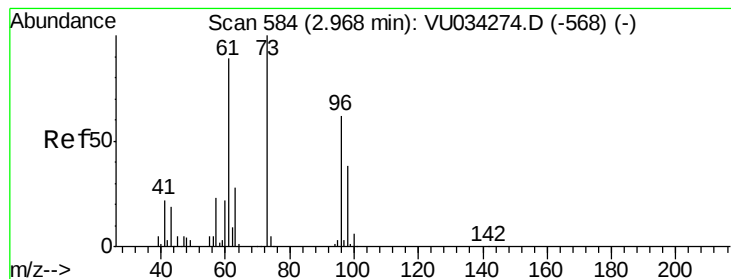
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#20
Methylene Chloride
Concen: 51.213 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Tgt Ion: 84 Resp: 203750
Ion Ratio Lower Upper
84 100
49 120.1 96.0 144.0
51 37.0 30.0 45.0
86 64.1 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 47.928 ug/l

RT: 2.97 min Scan# 584

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 170504

Ion Ratio Lower Upper

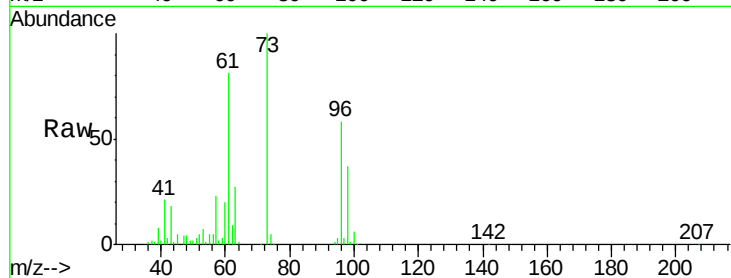
96 100

61 141.3 114.8 172.2

98 65.0 49.8 74.8

Manual Integrations

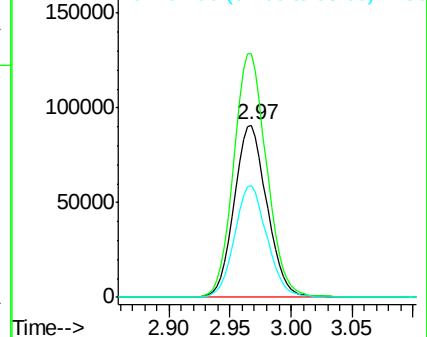
APPROVED



Abundance Ion 95.90 (95.60 to 96.60): VU034313.D (-491) (-)

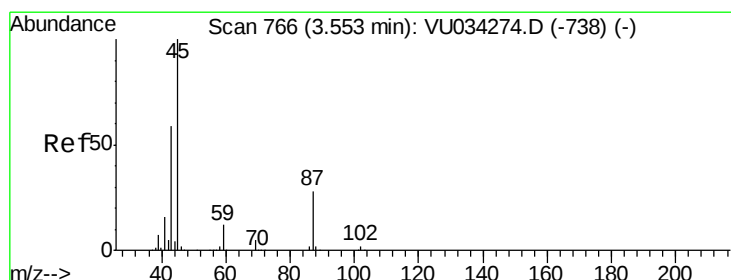
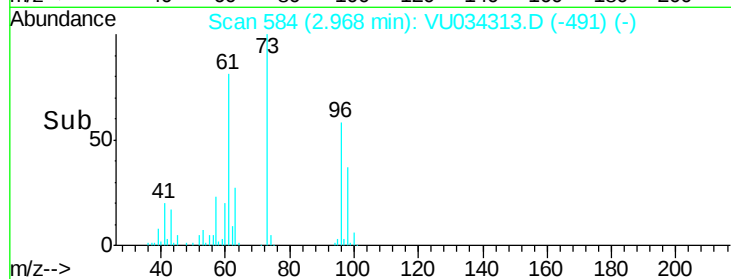
Ion 60.90 (60.60 to 61.60): VU034313.D (-491) (-)

Ion 97.90 (97.60 to 98.60): VU034313.D (-491) (-)



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#22

Diisopropyl ether

Concen: 51.822 ug/l

RT: 3.55 min Scan# 766

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Tgt Ion: 45 Resp: 652241

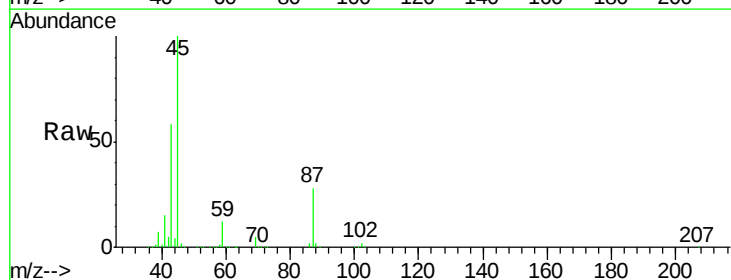
Ion Ratio Lower Upper

45 100

43 58.1 47.5 71.3

87 27.9 22.2 33.4

59 12.1 9.4 14.2

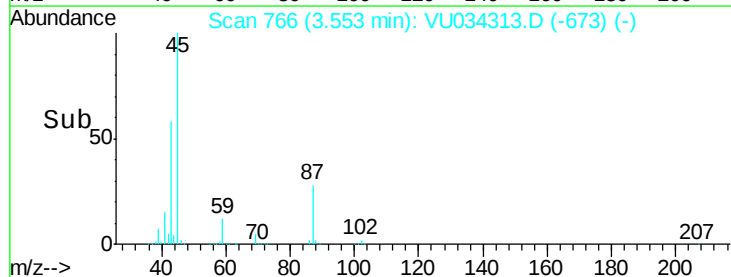
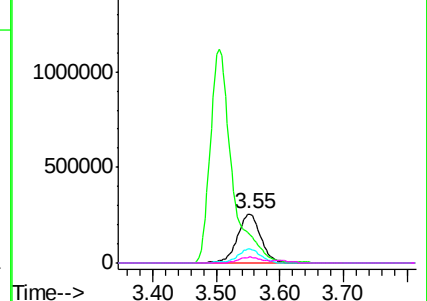


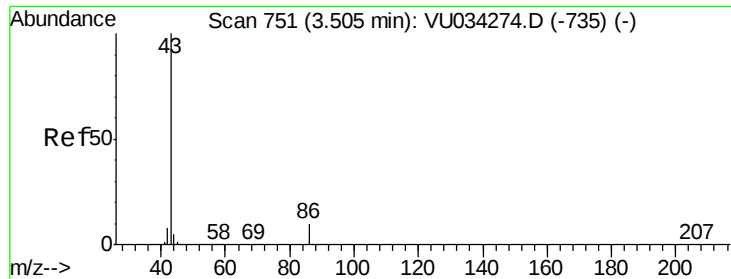
Abundance Ion 45.00 (44.70 to 45.70): VU034313.D (-673) (-)

Ion 43.00 (42.70 to 43.70): VU034313.D (-673) (-)

Ion 87.00 (86.70 to 87.70): VU034313.D (-673) (-)

Ion 59.00 (58.70 to 59.70): VU034313.D (-673) (-)





#23

Vinyl Acetate

Concen: 259.045 ug/l

RT: 3.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

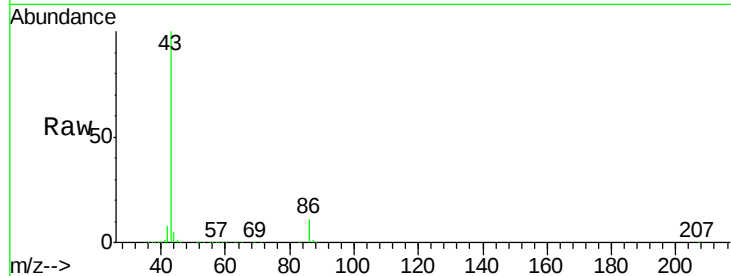
Tot Ion: 43 Resp: 2655794

Ion Ratio Lower Upper

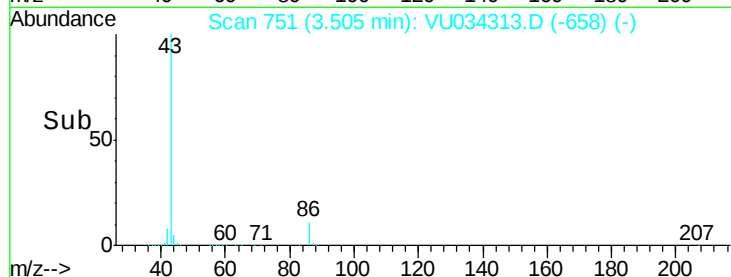
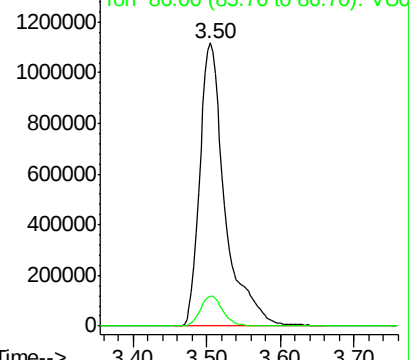
43 100

86 10.7 8.3 12.5

Manual Integrations
APPROVED

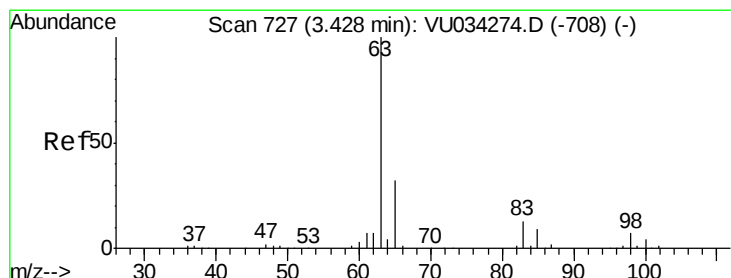


Abundance Ion 43.00 (42.70 to 43.70): VU034313.D (-658) (-)



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#24

1,1-Dichloroethane

Concen: 48.278 ug/l

RT: 3.43 min Scan# 727

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

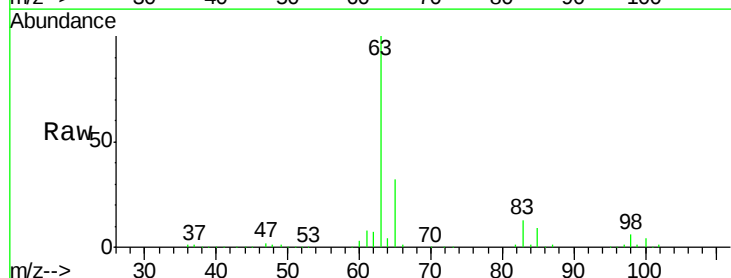
Tgt Ion: 63 Resp: 362874

Ion Ratio Lower Upper

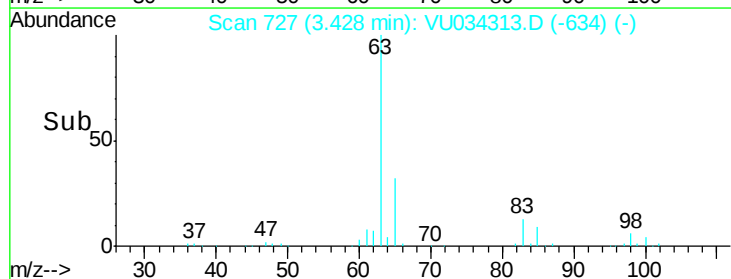
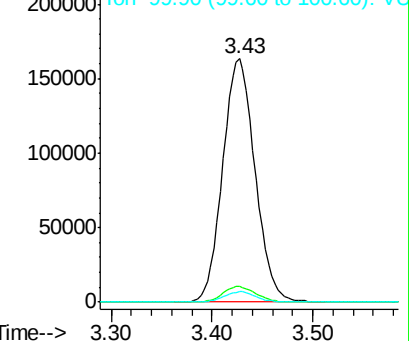
63 100

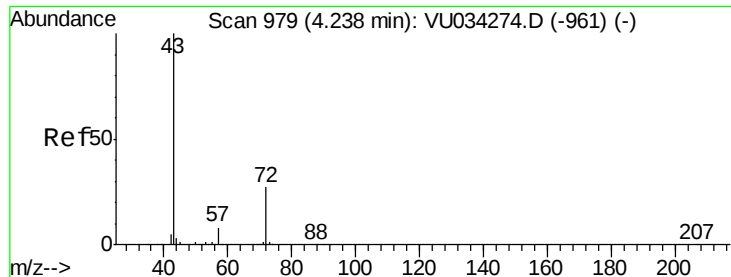
98 6.3 3.5 10.4

100 4.2 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034313.D (-634) (-)





#25

2-Butanone

Concen: 255.231 ug/l

RT: 4.24 min Scan# 979

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

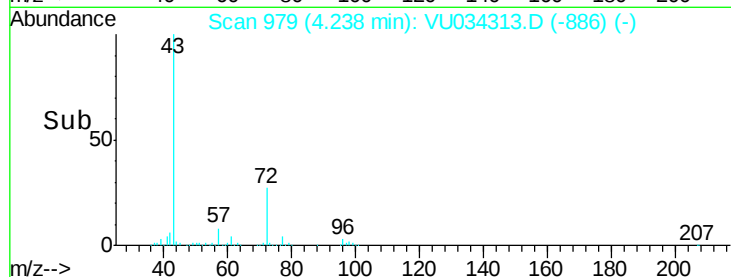
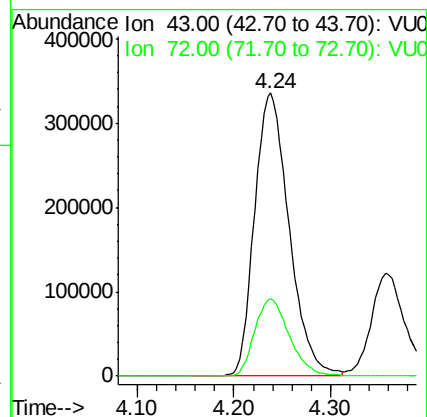
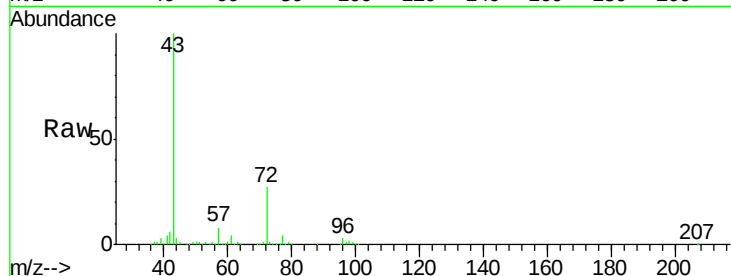
Tot Ion: 43 Resp: 827709

Ion Ratio Lower Upper

43 100

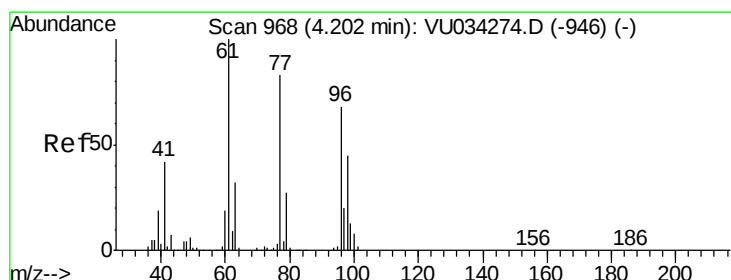
72 27.3 21.8 32.6

Manual Integrations
APPROVED



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#26

2,2-Dichloropropane

Concen: 36.286 ug/l

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034313.D

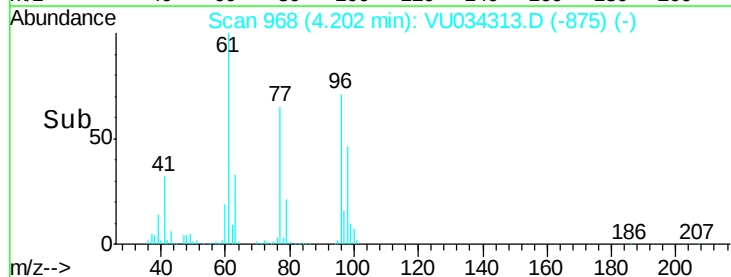
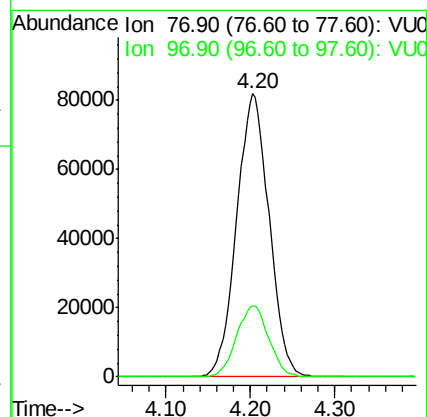
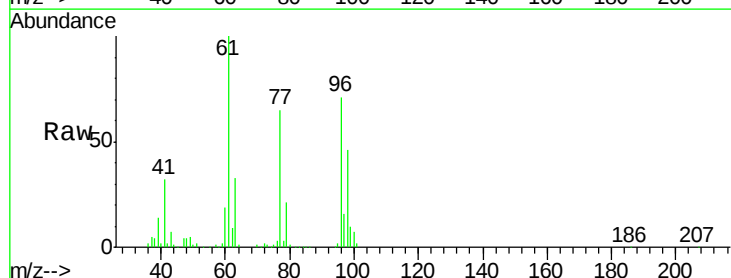
Acq: 06 Sep 2019 02:47

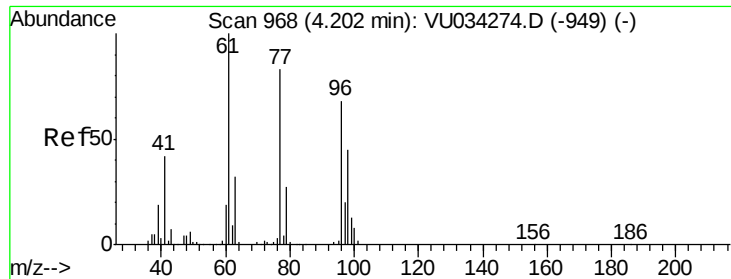
Tgt Ion: 77 Resp: 219356

Ion Ratio Lower Upper

77 100

97 24.9 11.8 35.3



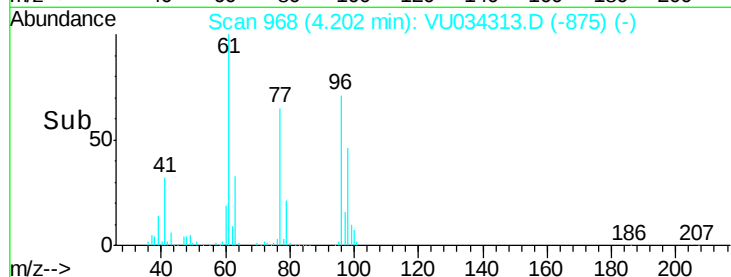
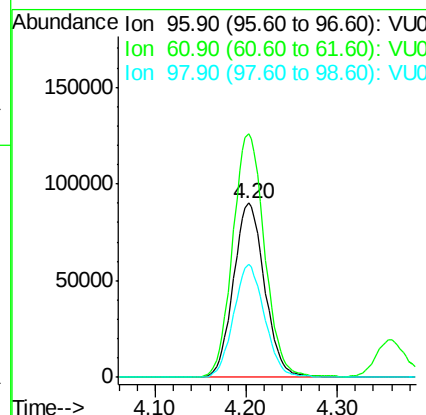
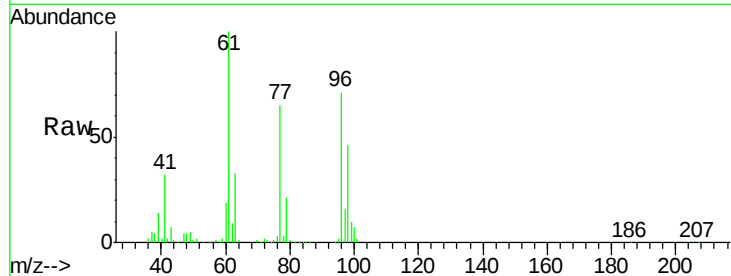


#27
 cis-1,2-Dichloroethene
 Concen: 49.757 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: VU034313.D
 Acq: 06 Sep 2019 02:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

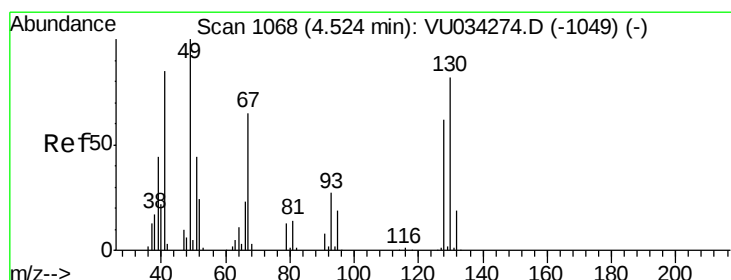
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.9	0.0	297.4	
98	64.4	0.0	130.0	

Manual Integrations
 APPROVED



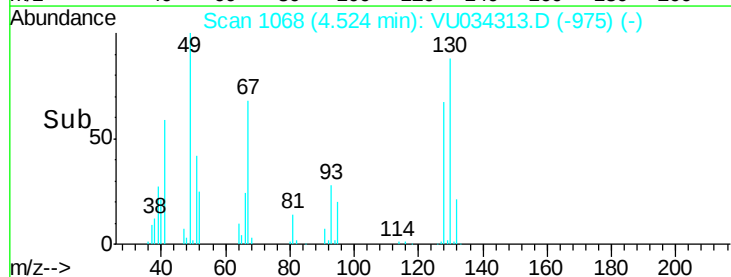
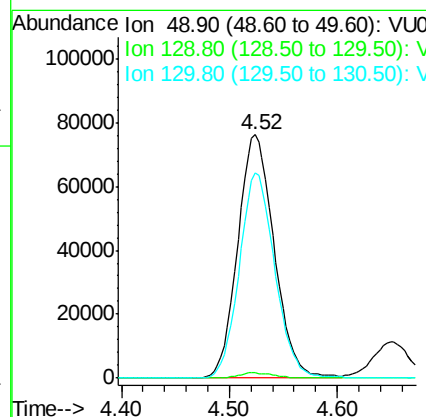
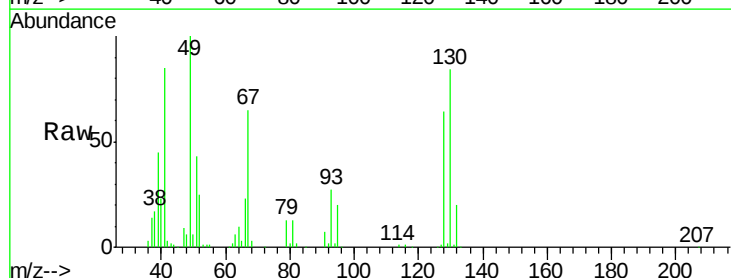
MMDadoda

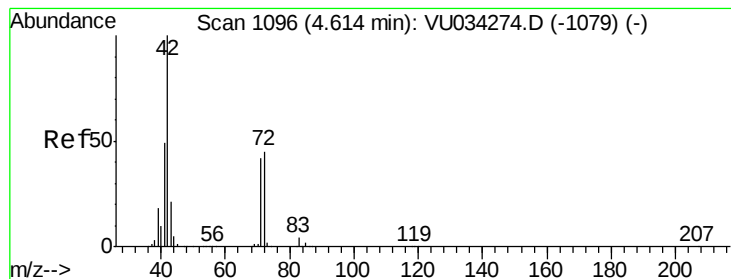
9/6/2019 3:21:16 PM



#28
 Bromochloromethane
 Concen: 51.847 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU034313.D
 Acq: 06 Sep 2019 02:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	3.8	
130	82.5	65.2	97.8	





#29

Tetrahydrofuran

Concen: 264.925 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

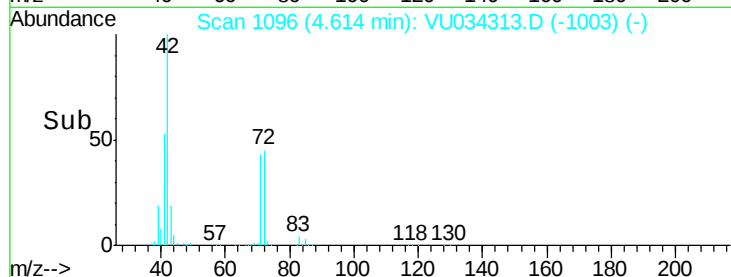
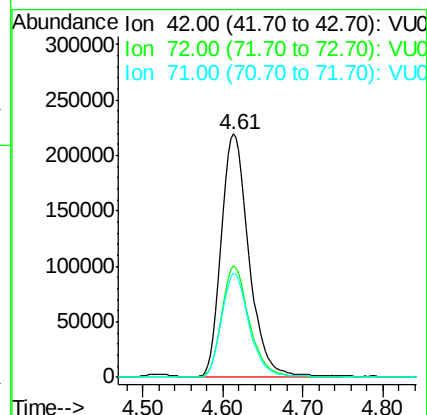
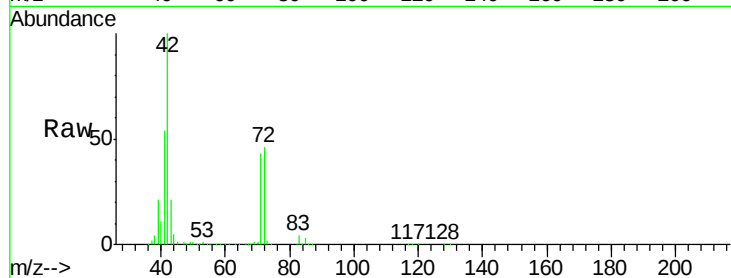
MSVOA_U

ClientSampleId :

VSTDCCC050EC

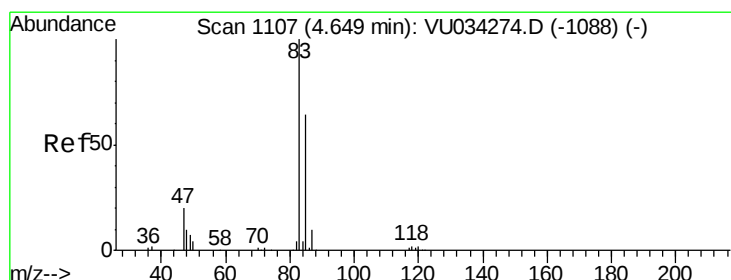
Tot Ion:	42	Resp:	522796
Ion	Ratio	Lower	Upper
42	100		
72	46.1	36.6	54.8
71	42.6	34.3	51.5

Manual Integrations
APPROVED



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#30

Chloroform

Concen: 47.400 ug/l

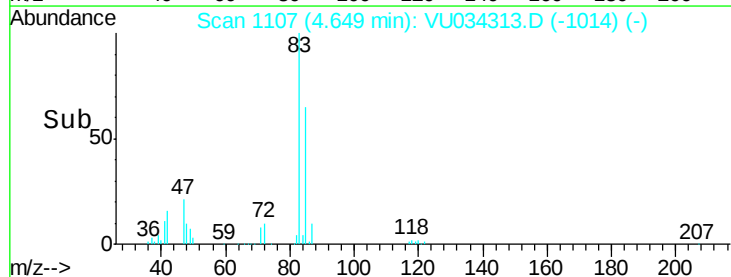
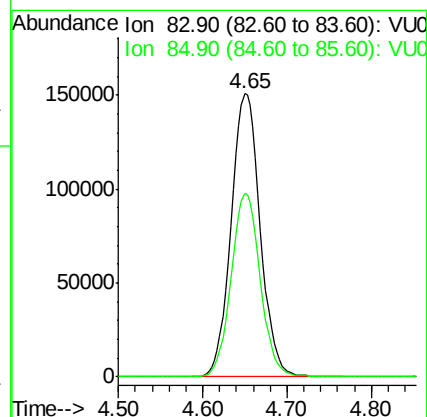
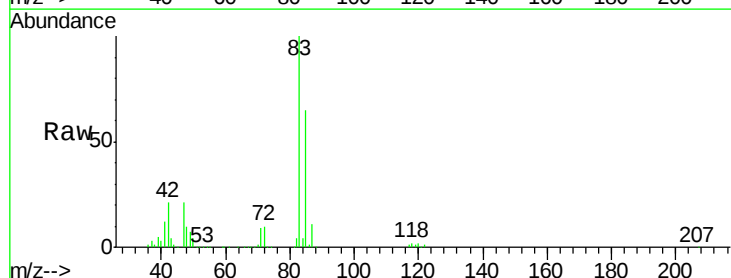
RT: 4.65 min Scan# 1107

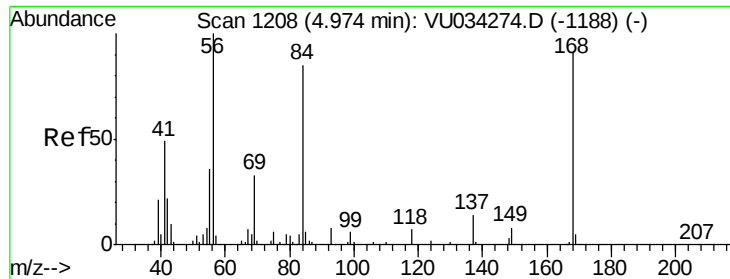
Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Tgt Ion:	83	Resp:	362144
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3



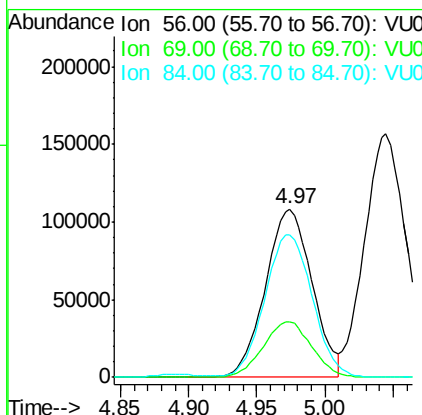
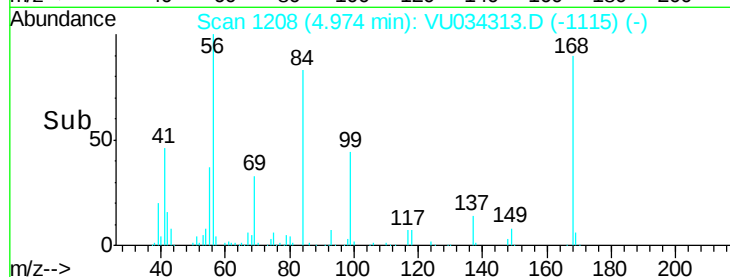
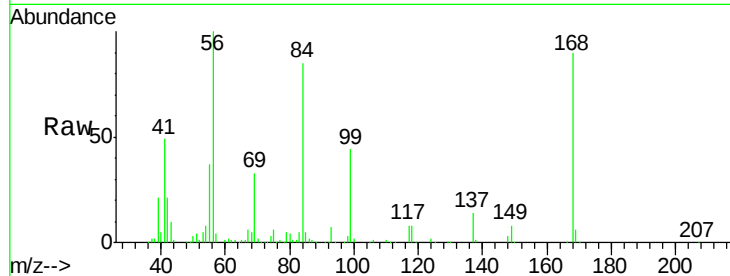


#31
Cyclohexane
Concen: 46.964 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

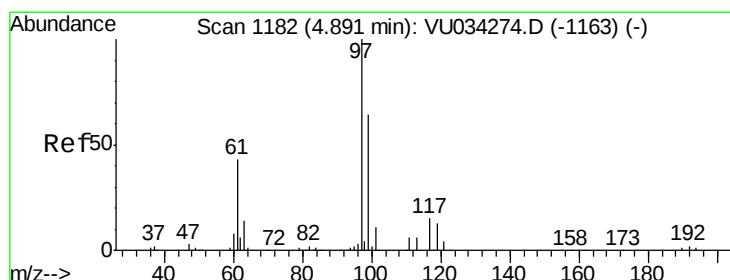
Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.7	40.1
84	83.3	68.2	102.4

Manual Integrations
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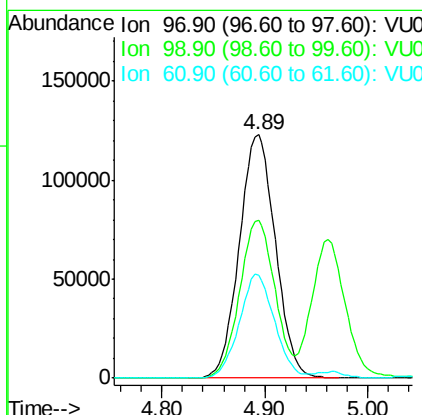
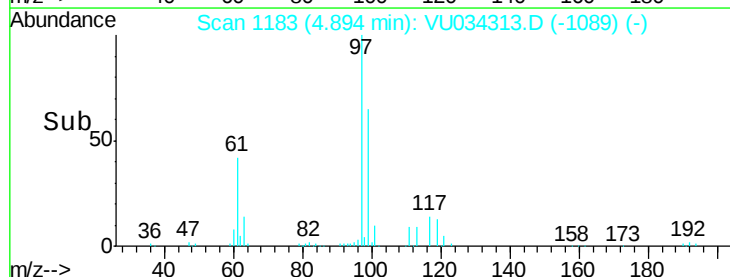
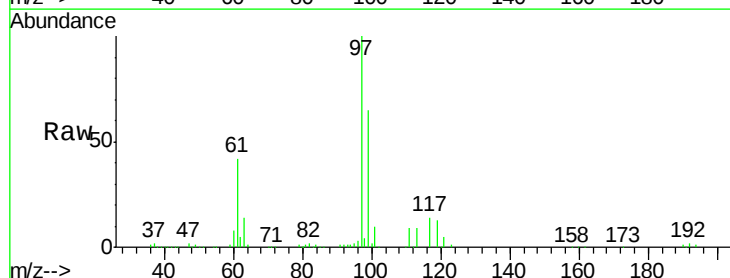
MMDadoda

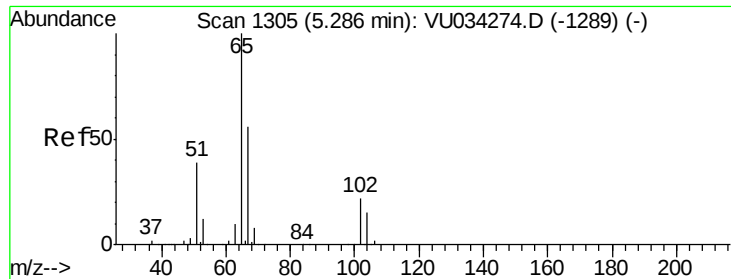
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#32
1,1,1-Trichloroethane
Concen: 48.942 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.9	76.3
61	41.6	34.7	52.1





#33

1,2-Dichloroethane-d4

Concen: 51.514 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

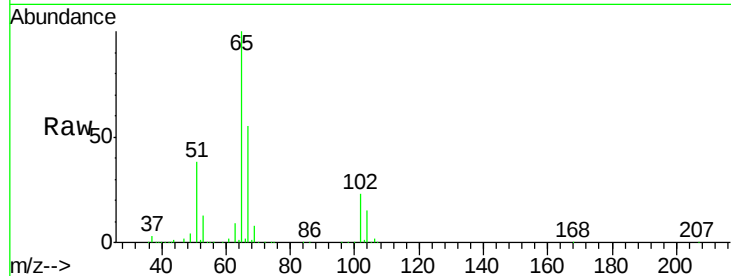
Tot Ion: 65 Resp: 241837

Ion Ratio Lower Upper

65 100

67 55.4 0.0 112.4

Manual Integrations
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Abundance Ion 64.90 (64.60 to 65.60): VU034313.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034313.D (-1212) (-)

5.29

120000

100000

80000

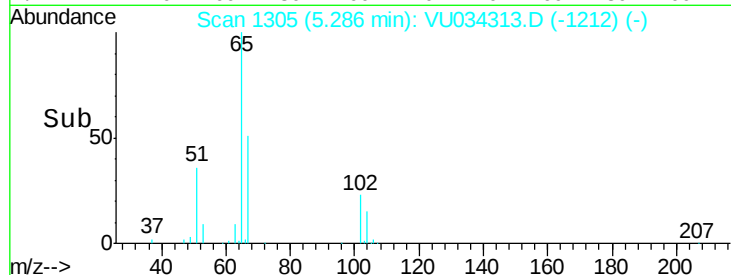
60000

40000

20000

0

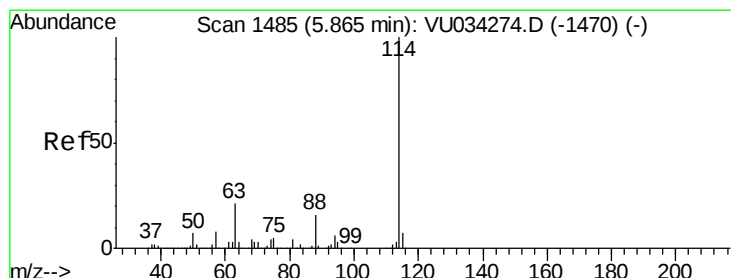
Time-->



Time-->

MMDadoda

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

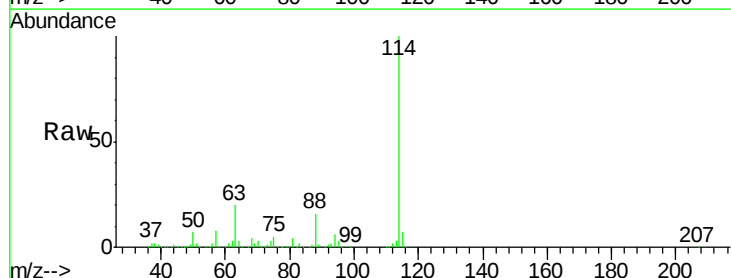
Tgt Ion: 114 Resp: 465507

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 15.7 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): VU034313.D (-1392) (-)

Ion 63.00 (62.70 to 63.70): VU034313.D (-1392) (-)

Ion 87.90 (87.60 to 88.60): VU034313.D (-1392) (-)

5.86

300000

250000

200000

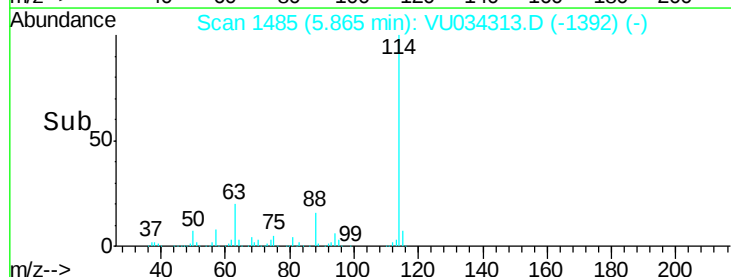
150000

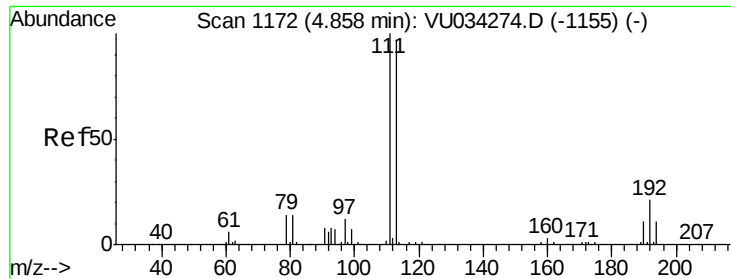
100000

50000

0

Time-->



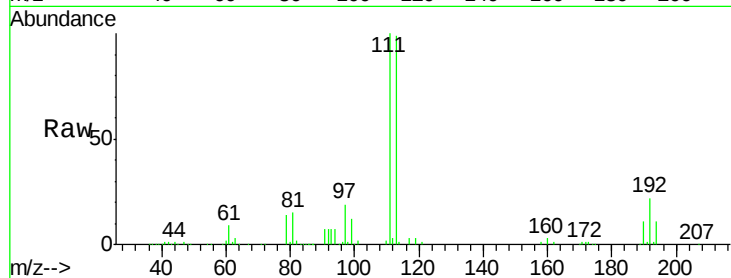


#35
 Dibromofluoromethane
 Concen: 49.556 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034313.D
 Acq: 06 Sep 2019 02:47

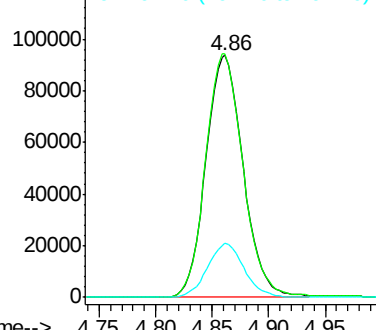
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	214654		
111	100.9	81.5	122.3	
192	21.8	17.8	26.8	

Manual Integrations
 APPROVED

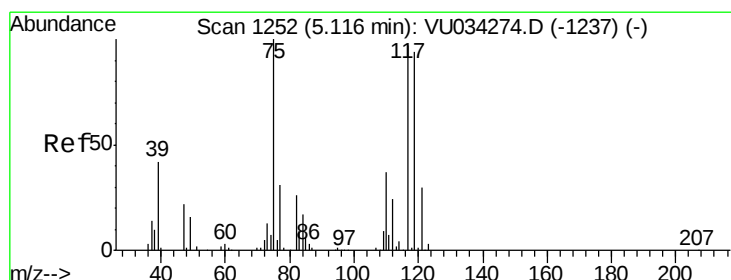
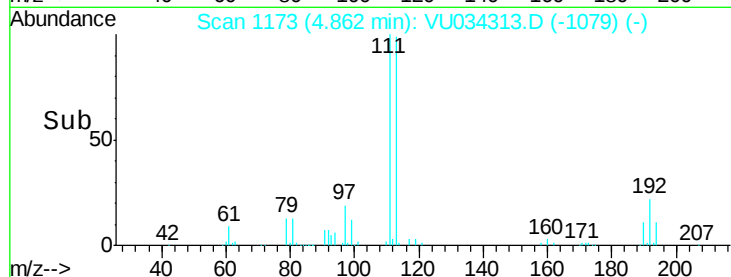


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



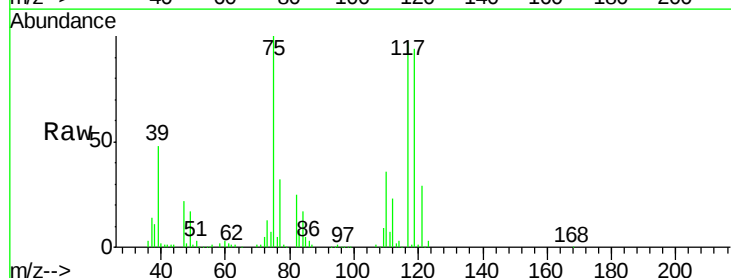
MMDadoda

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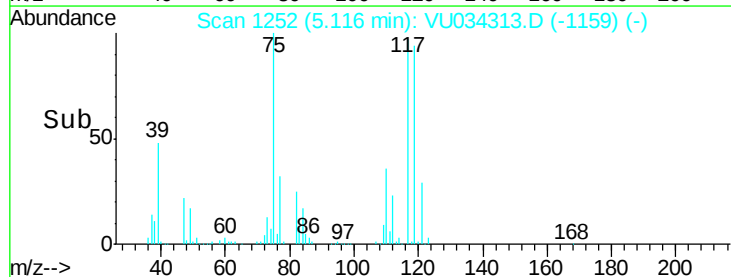
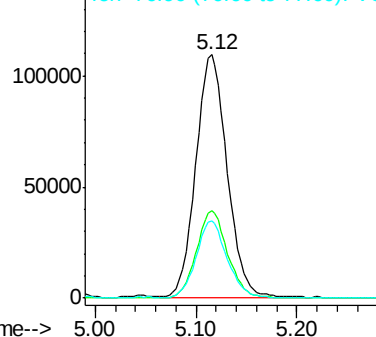


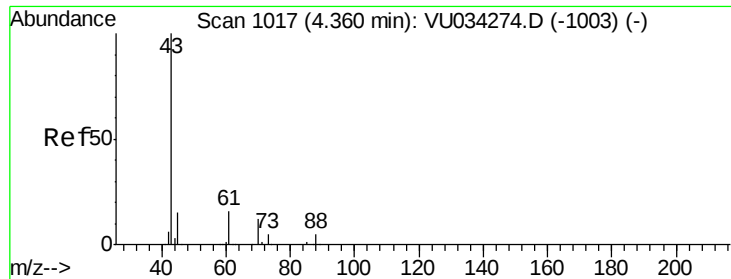
#36
 1,1-Dichloropropene
 Concen: 46.523 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VU034313.D
 Acq: 06 Sep 2019 02:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	234871		
110	36.0	18.3	54.9	
77	31.4	24.9	37.3	



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0



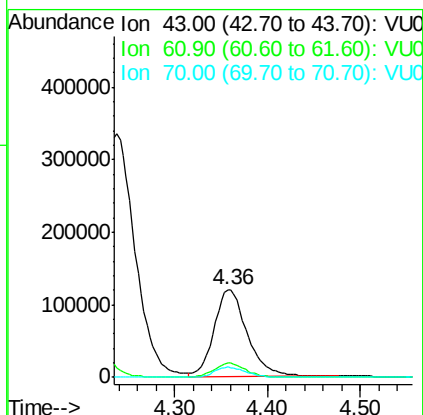
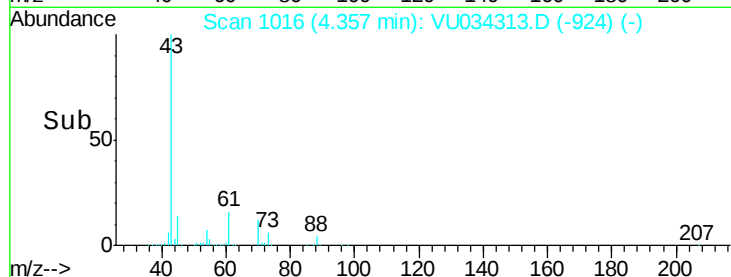
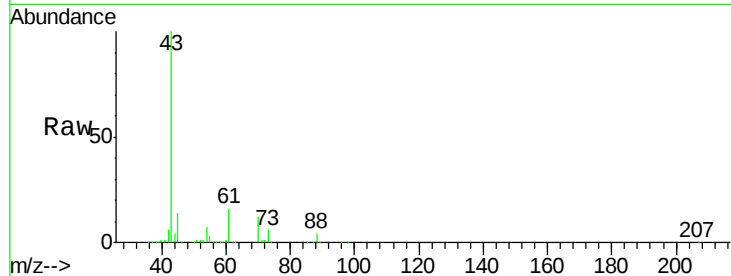


#37
Ethyl Acetate
Concen: 49.506 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

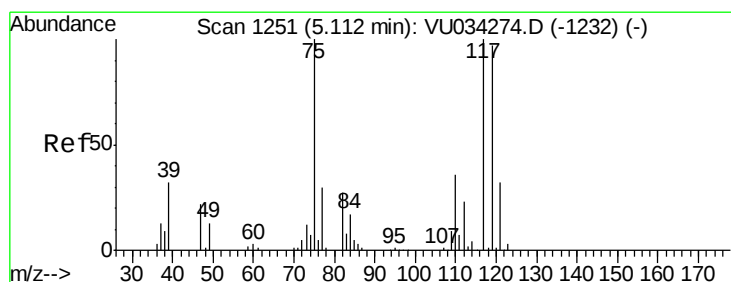
Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.3	18.5
70	11.5	9.1	13.7

Manual Integrations
APPROVED



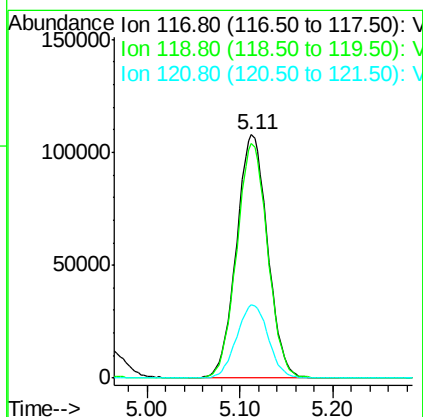
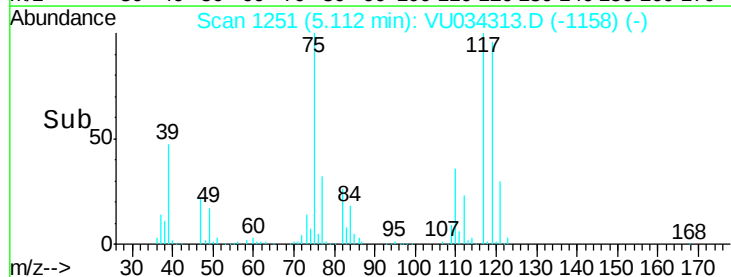
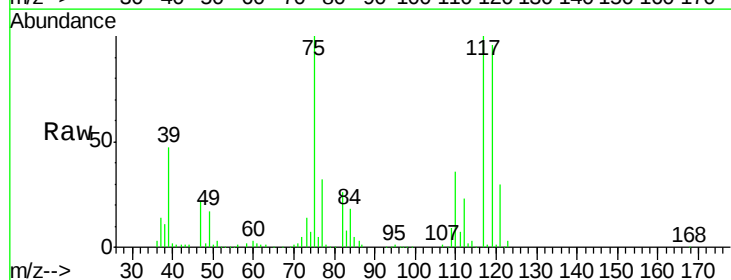
MMDadoda

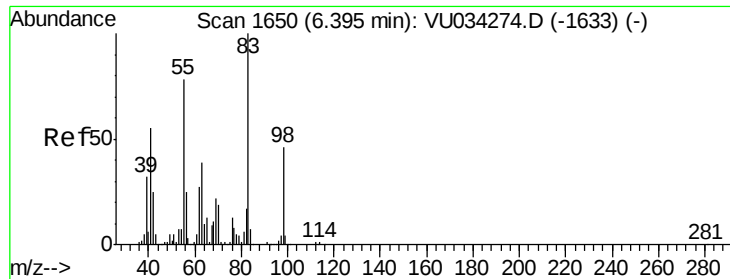
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#38
Carbon Tetrachloride
Concen: 46.540 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.8	116.6
121	30.1	25.2	37.8



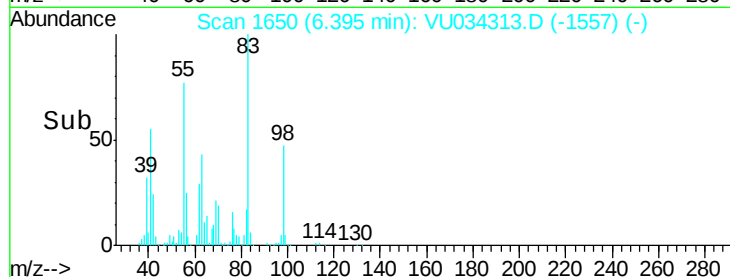
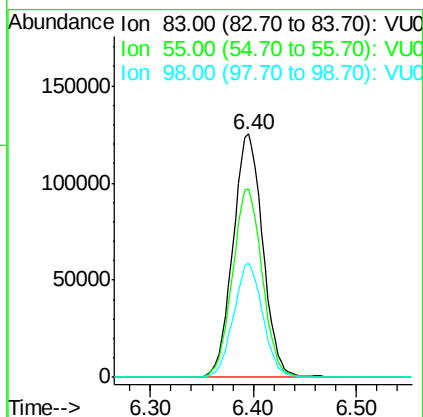
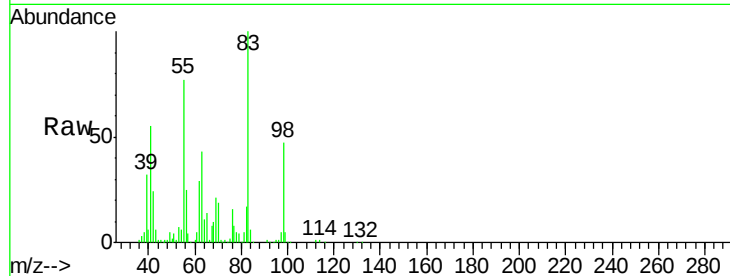


#39
Methvlcvclohexane
Concen: 46.899 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

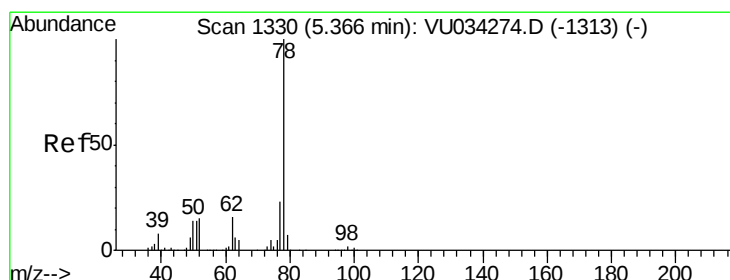
Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	62.1	93.1
98	46.8	37.0	55.6

Manual Integrations
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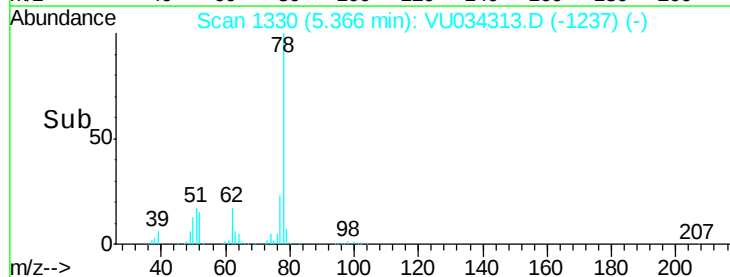
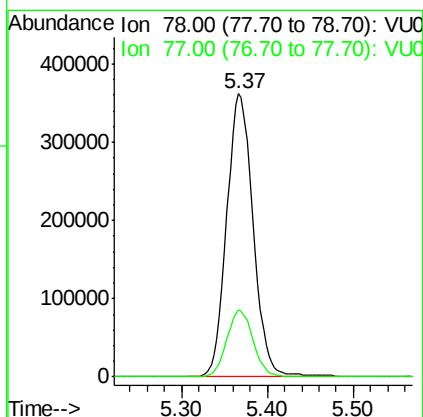
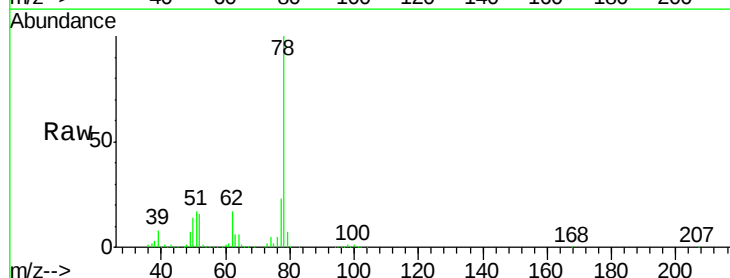
MMDadoda

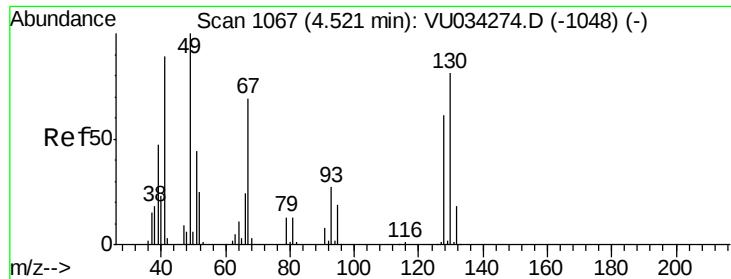
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#40
Benzene
Concen: 47.525 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1



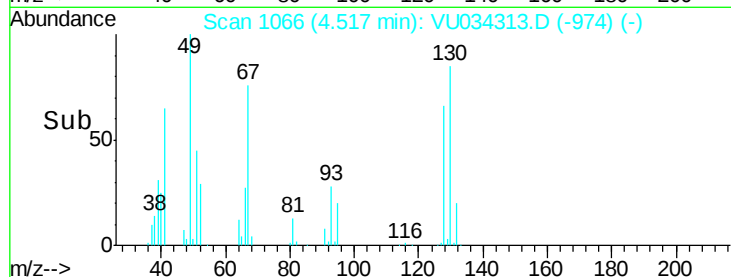
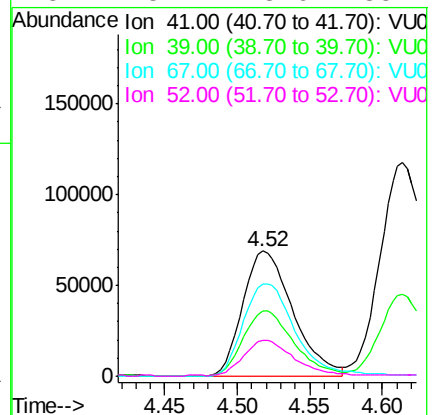
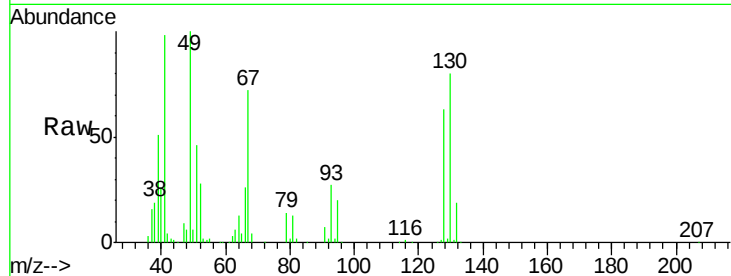


#41
Methacrylonitrile
Concen: 51.854 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

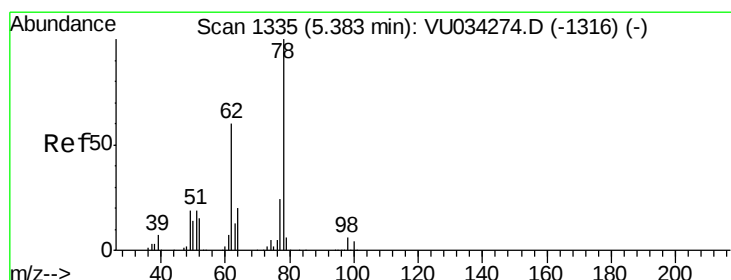
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	41.0	61.4	
67	78.1	62.4	93.6	
52	28.4	23.6	35.4	

Manual Integrations
APPROVED



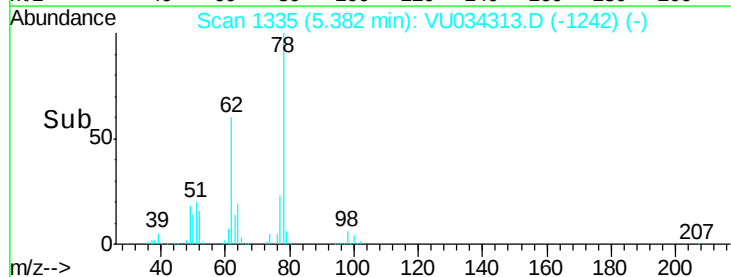
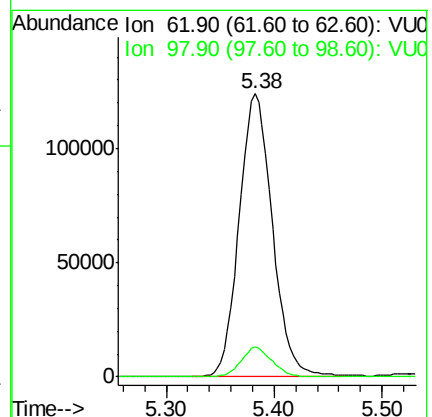
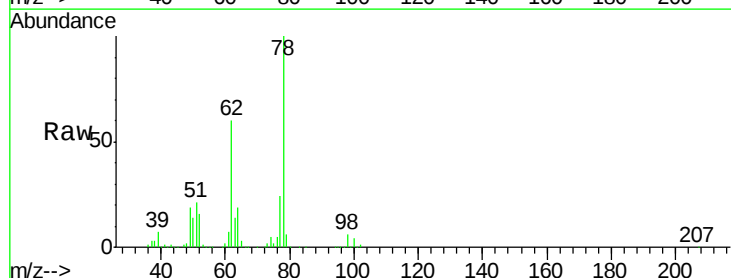
MMDadoda

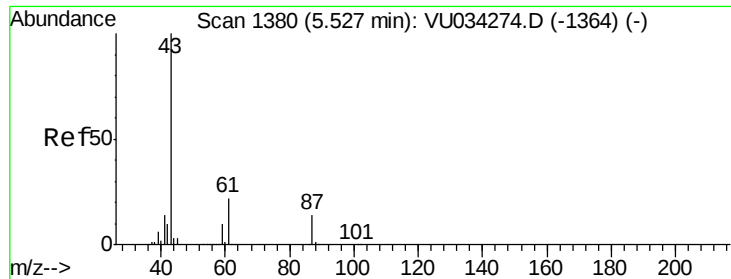
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#42
1,2-Dichloroethane
Concen: 46.932 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.0	



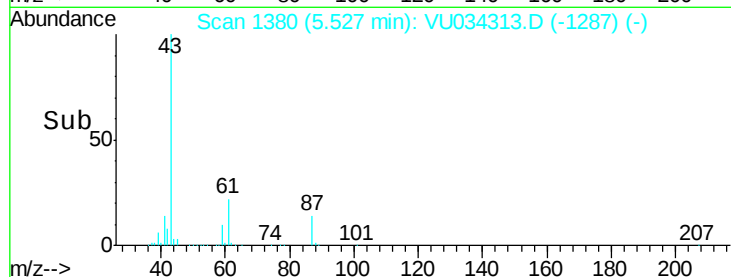
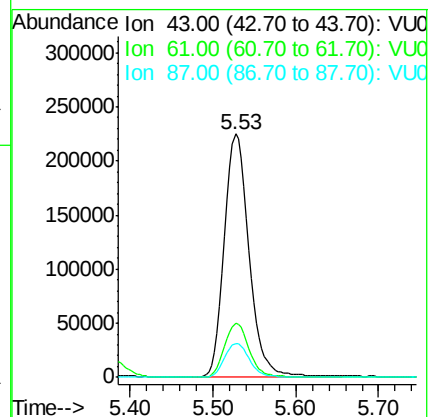
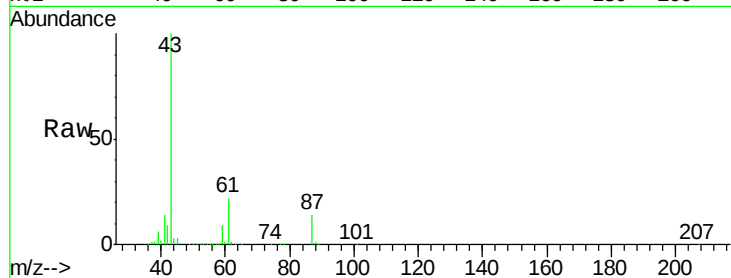


#43
Isopropyl Acetate
Concen: 49.778 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

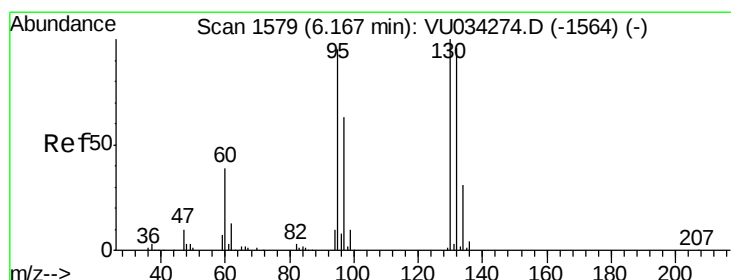
Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	17.1	25.7
87	14.0	11.1	16.7

Manual Integrations
APPROVED



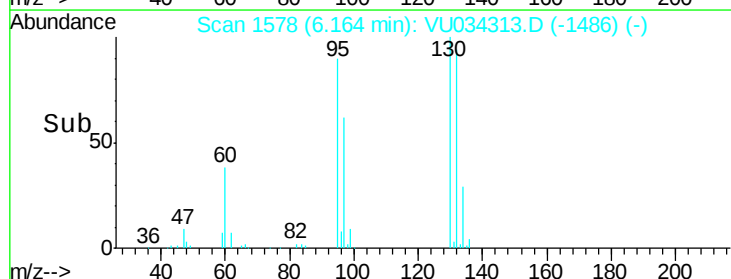
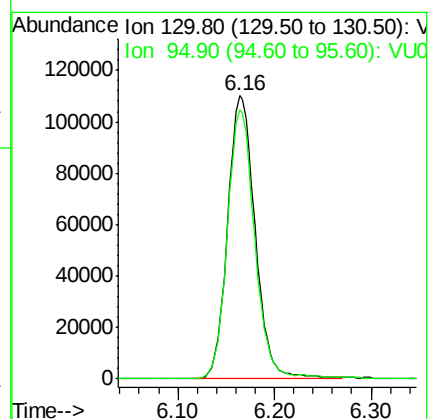
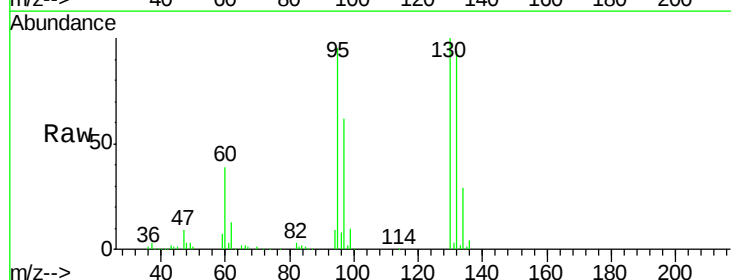
MMDadoda

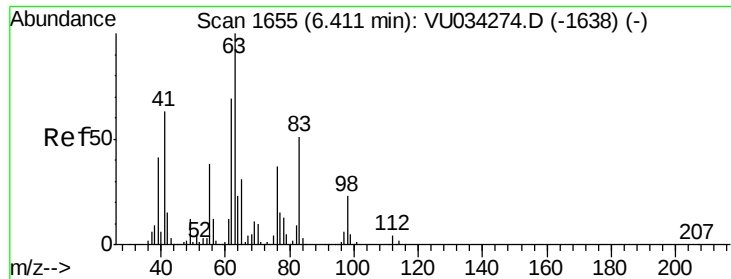
9/6/2019 3:21:16 PM



#44
Trichloroethene
Concen: 48.388 ug/l
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	189.2





#45

1,2-Dichloropropane

Concen: 48.202 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 229553

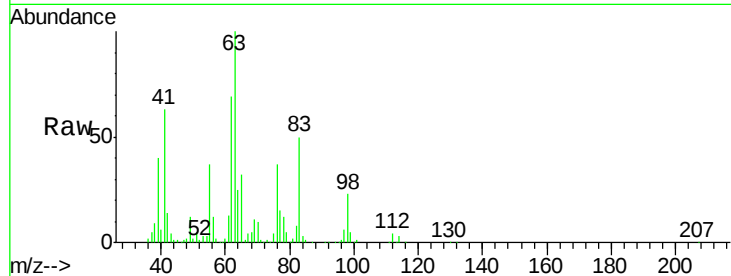
Ion Ratio Lower Upper

63 100

65 32.3 24.6 37.0

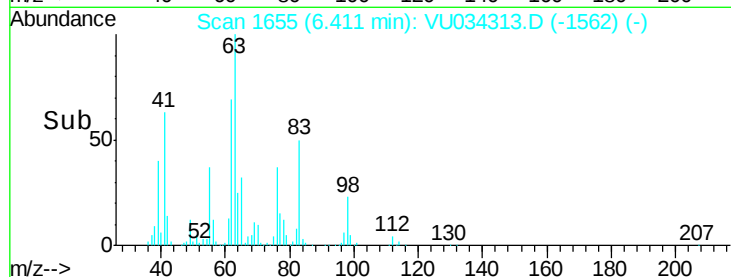
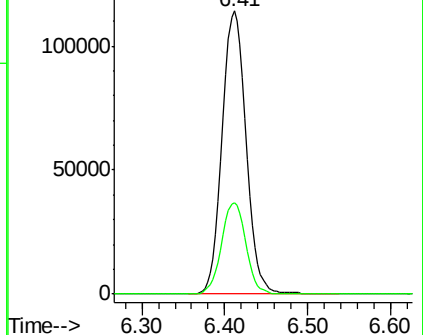
Manual Integrations

APPROVED



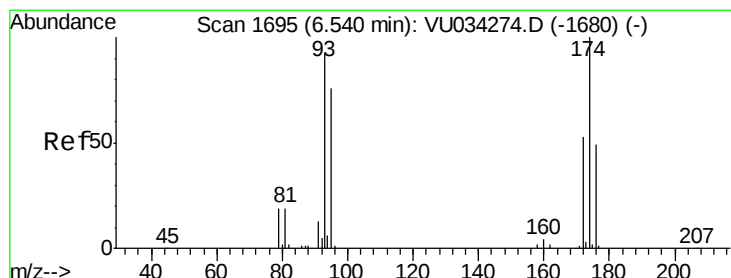
Abundance Ion 62.90 (62.60 to 63.60): VU034313.D (-1562) (-)

Ion 64.90 (64.60 to 65.60): VU034313.D (-1562) (-)



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#46

Dibromomethane

Concen: 48.501 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

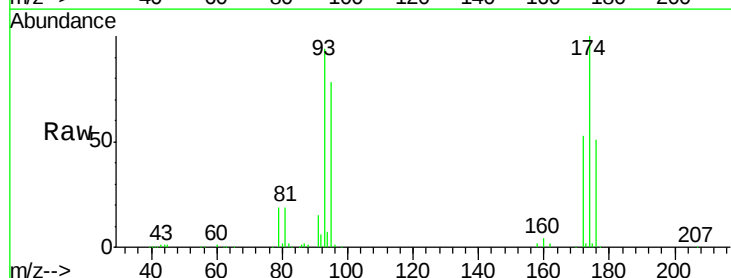
Tgt Ion: 93 Resp: 144984

Ion Ratio Lower Upper

93 100

95 83.0 66.5 99.7

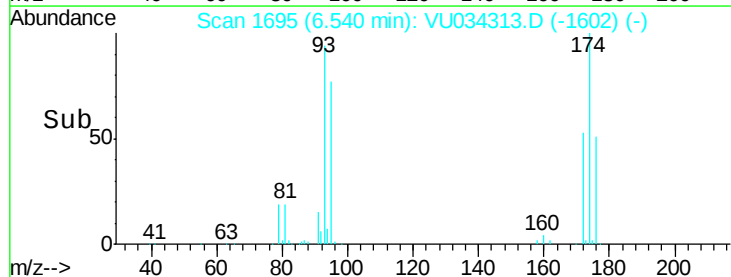
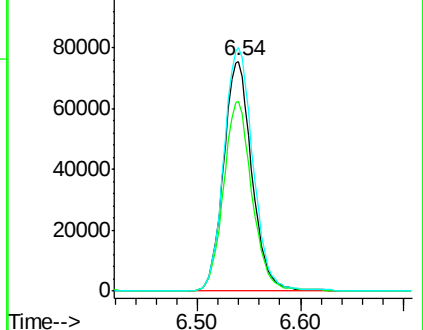
174 108.4 87.8 131.6

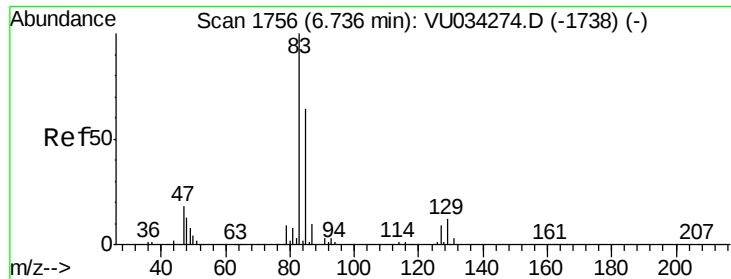


Abundance Ion 92.80 (92.50 to 93.50): VU034313.D (-1602) (-)

Ion 94.80 (94.50 to 95.50): VU034313.D (-1602) (-)

Ion 173.70 (173.40 to 174.40): VU034313.D (-1602) (-)





#47

Bromodichloromethane

Concen: 47.517 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

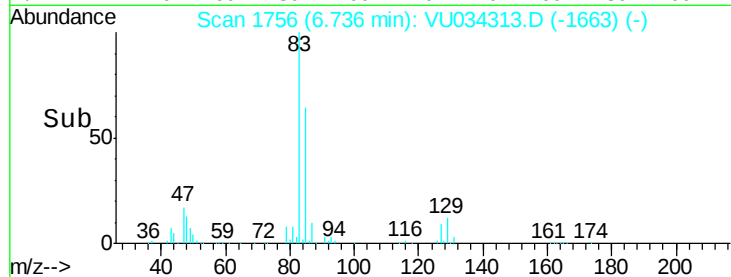
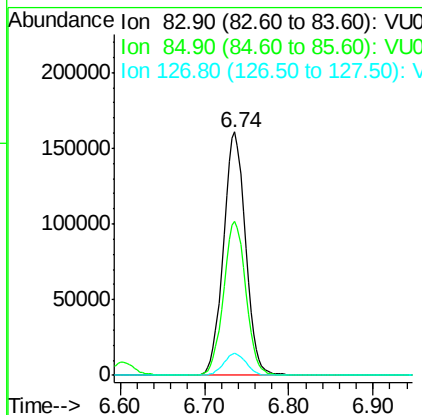
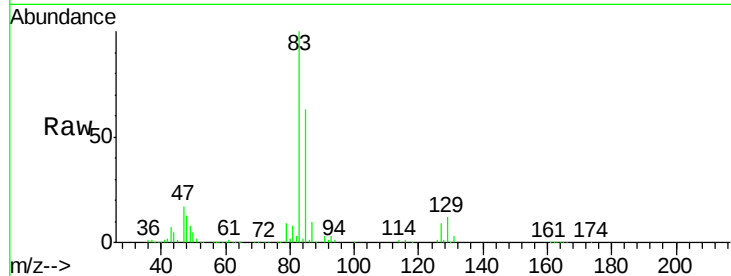
MSVOA_U

ClientSampleId :

VSTDCCC050EC

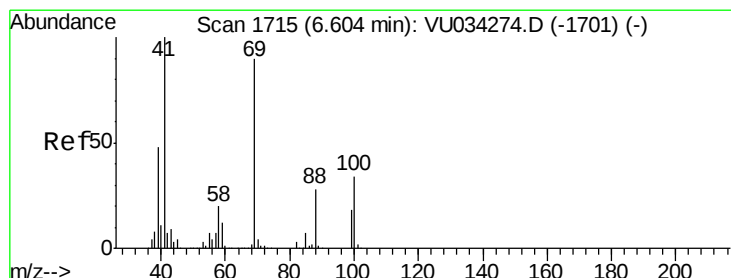
Tot Ion:	83	Resp:	292382
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.1	76.7
127	8.9	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.955 ug/l

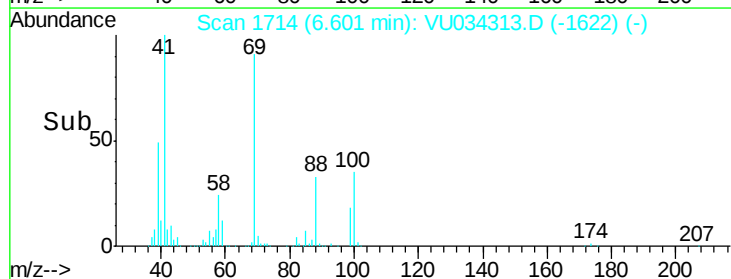
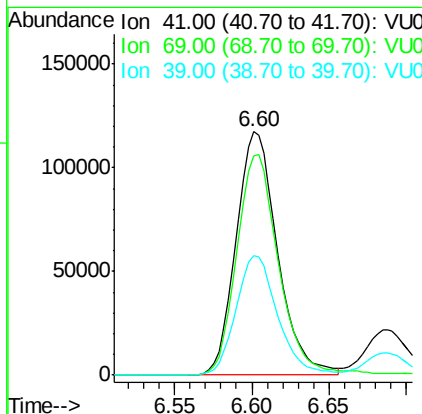
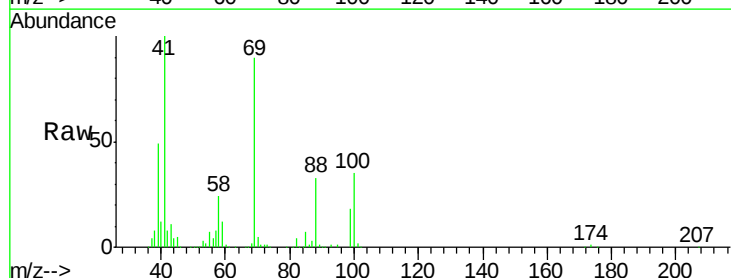
RT: 6.60 min Scan# 1714

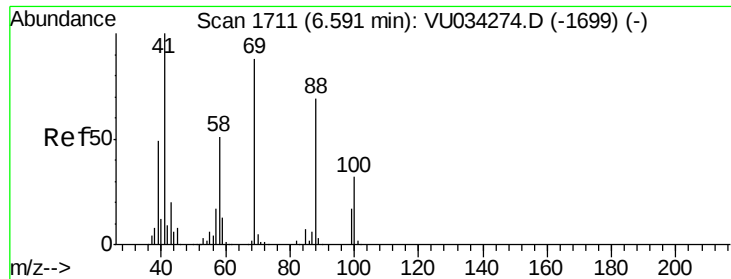
Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Tgt Ion:	41	Resp:	216507
Ion Ratio	Lower	Upper	
41	100		
69	93.2	72.8	109.2
39	49.2	38.6	58.0



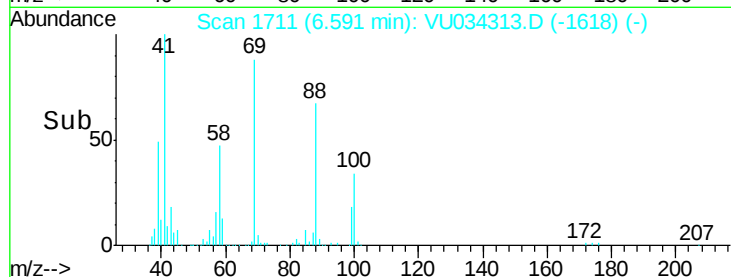
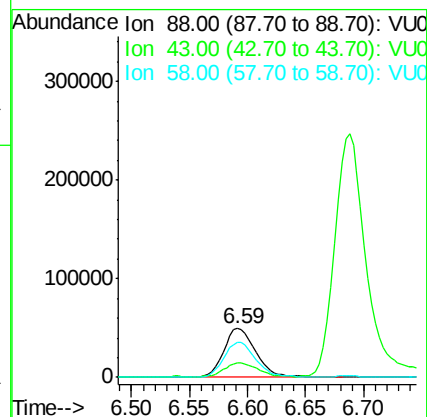
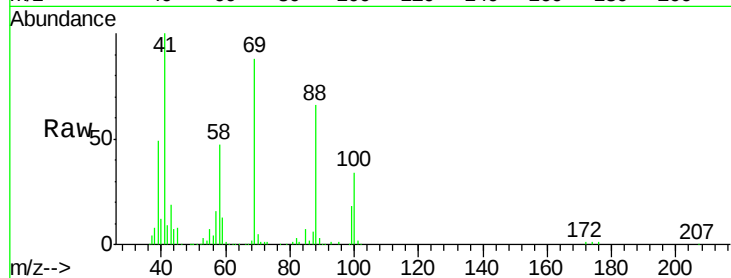


#49
1,4-Dioxane
Concen: 984.593 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

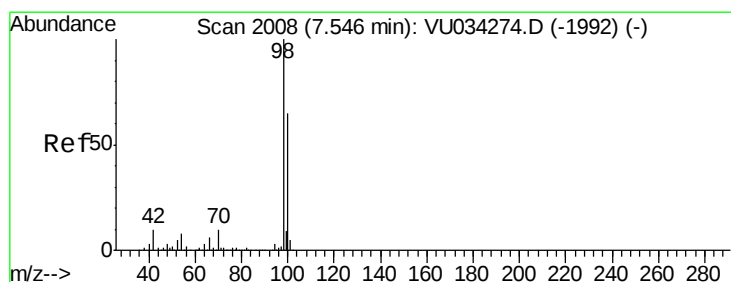
Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	23.8	35.6
58	72.7	58.4	87.6

Manual Integrations
APPROVED



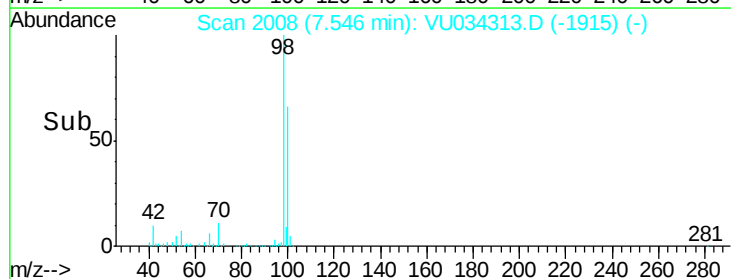
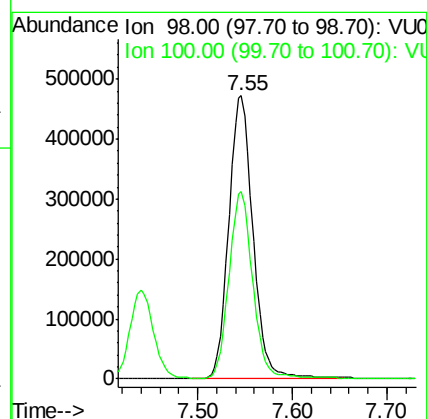
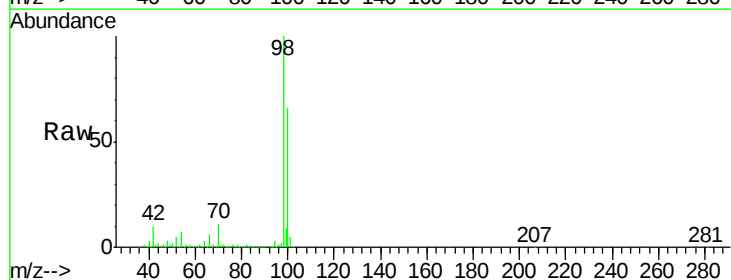
MMDadoda

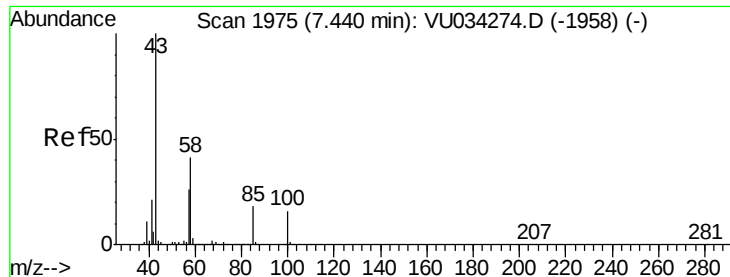
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#50
Toluene-d8
Concen: 51.849 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 251.064 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

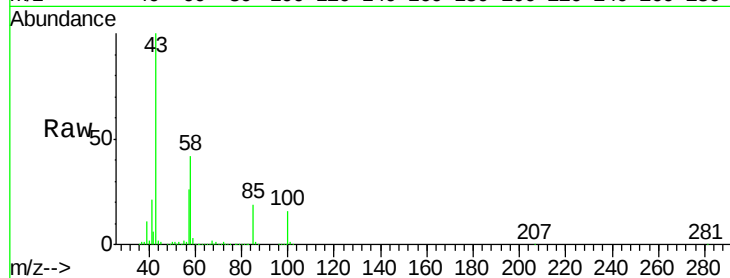
Tot Ion: 43 Resp: 1618201

Ion Ratio Lower Upper

43 100

58 41.3 33.0 49.4

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VU034313.D (-1882) (-)

Ion 58.00 (57.70 to 58.70): VU034313.D (-1882) (-)

7.44

1000000

800000

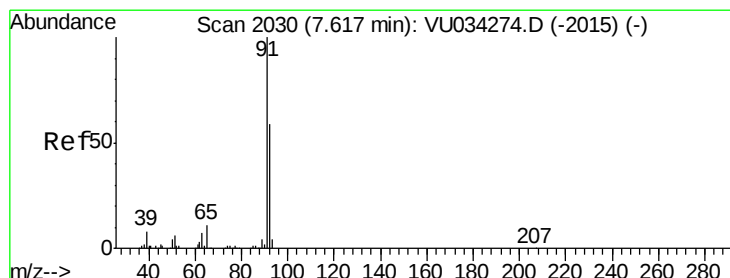
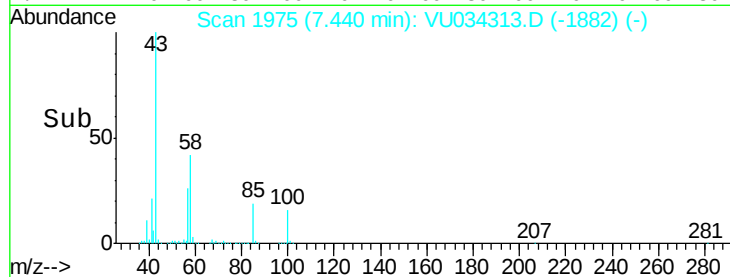
600000

400000

200000

0

Time--> 7.30 7.40 7.50



#52

Toluene

Concen: 48.803 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034313.D

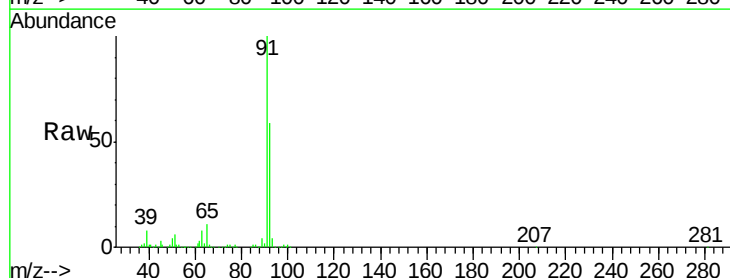
Acq: 06 Sep 2019 02:47

Tgt Ion: 92 Resp: 498714

Ion Ratio Lower Upper

92 100

91 171.2 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VU034313.D (-1937) (-)

Ion 91.00 (90.70 to 91.70): VU034313.D (-1937) (-)

7.62

500000

400000

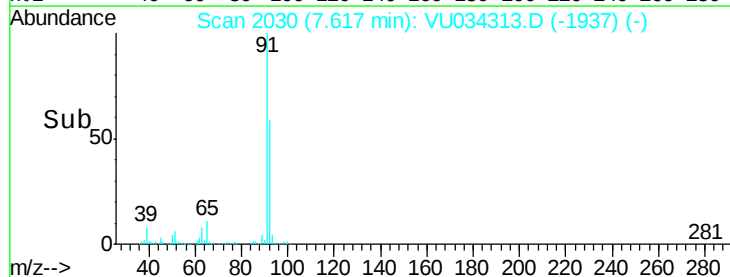
300000

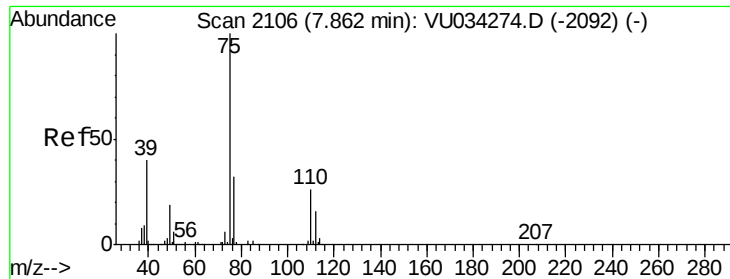
200000

100000

0

Time--> 7.50 7.60 7.70 7.80



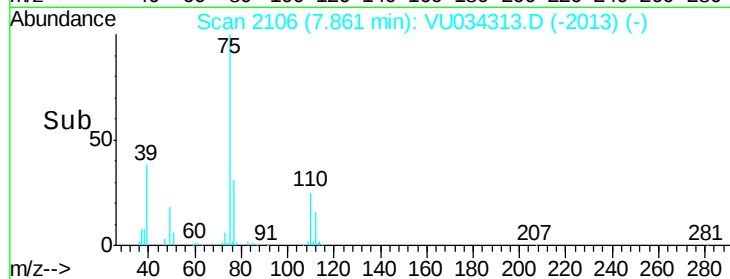
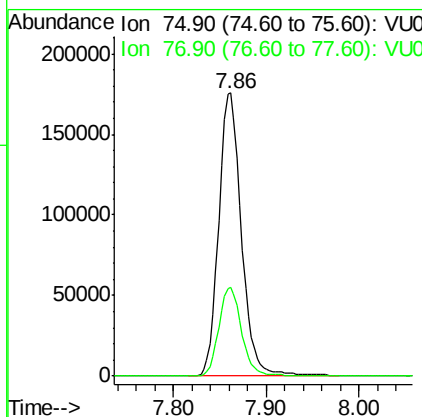
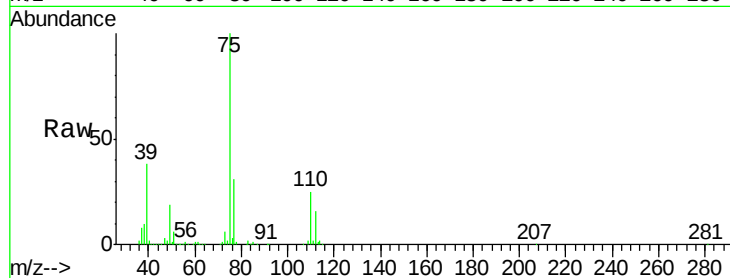


#53
t-1,3-Dichloropropene
Concen: 46.957 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

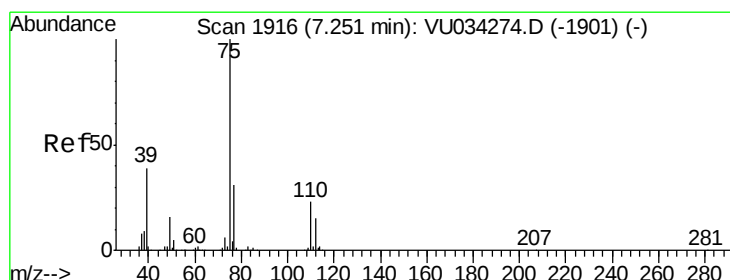
Tot Ion: 75 Resp: 299520
Ion Ratio Lower Upper
75 100
77 31.4 25.7 38.5

Manual Integrations
APPROVED



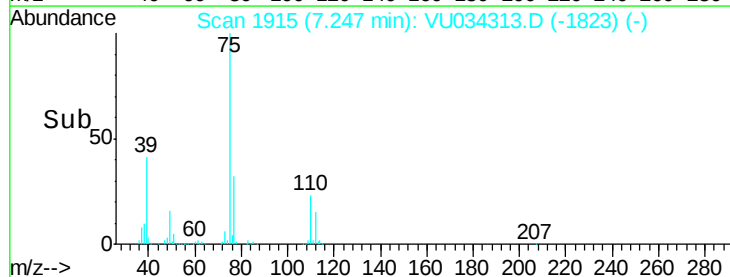
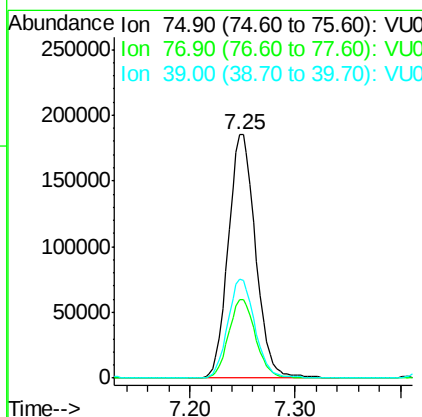
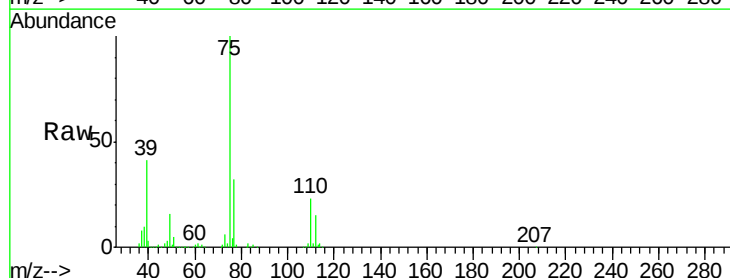
MMDadoda

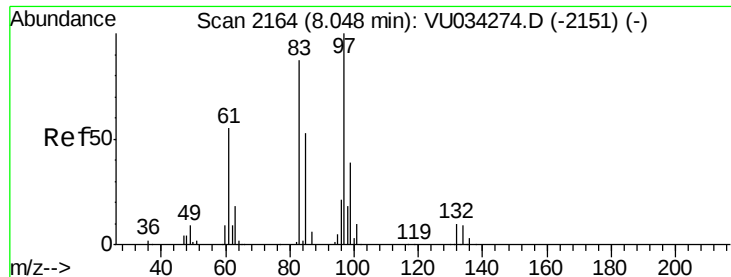
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#54
cis-1,3-Dichloropropene
Concen: 47.397 ug/l
RT: 7.25 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Tgt Ion: 75 Resp: 331812
Ion Ratio Lower Upper
75 100
77 32.4 25.1 37.7
39 40.7 31.2 46.8



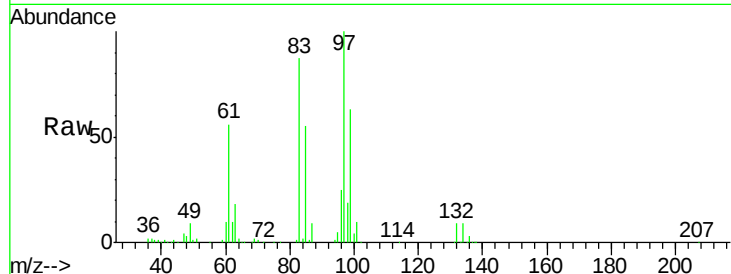


#55
 1,1,2-Trichloroethane
 Concen: 47.955 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU034313.D
 Acq: 06 Sep 2019 02:47

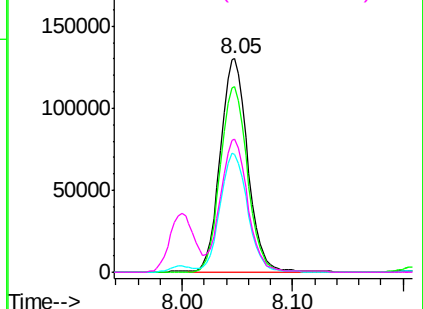
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		222517		
83	87.0	69.0	103.6		
85	55.2	44.2	66.2		
99	62.5	49.4	74.0		

Manual Integrations
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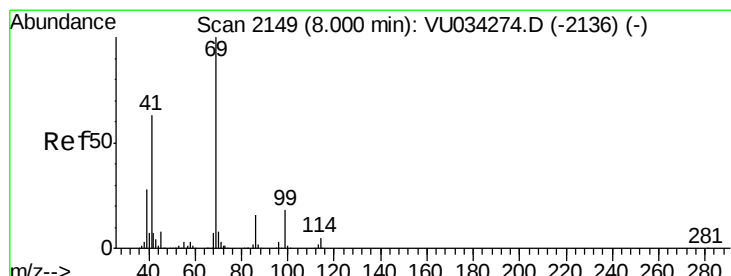
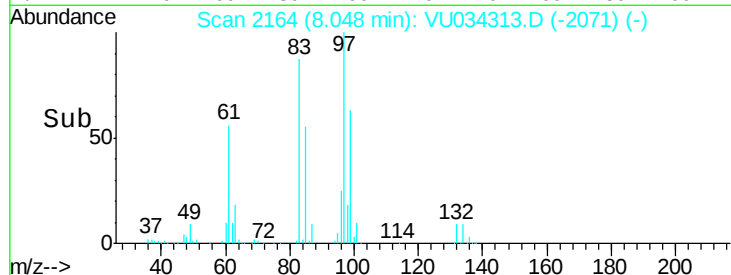


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0



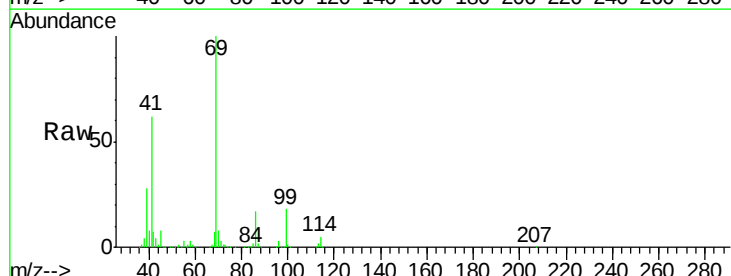
MMDadoda

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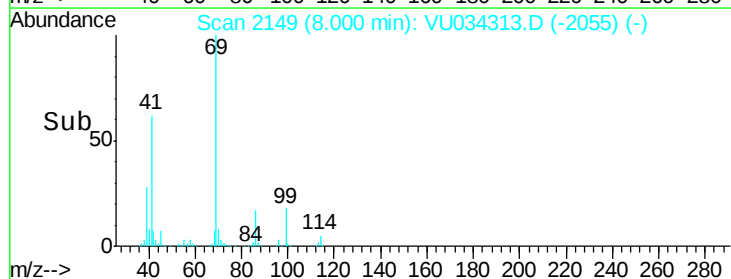
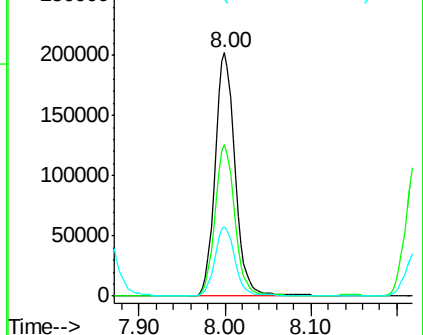


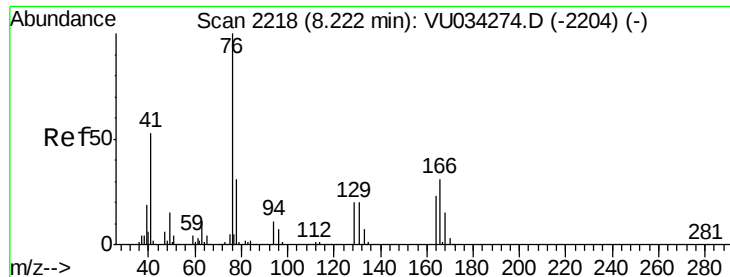
#56
 Ethyl methacrylate
 Concen: 46.921 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034313.D
 Acq: 06 Sep 2019 02:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		329355		
41	61.6	49.5	74.3		
39	28.3	22.5	33.7		



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 48.019 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

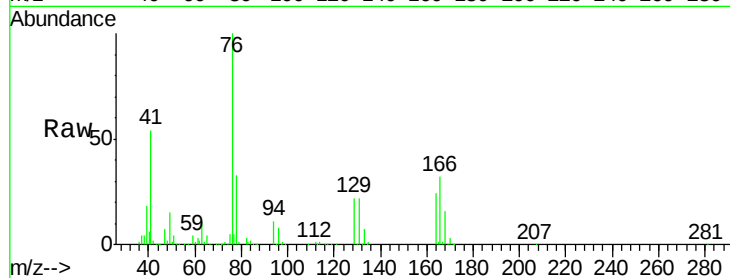
Tot Ion: 76 Resp: 362818

Ion Ratio Lower Upper

76 100

78 32.5 25.4 38.2

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.22

250000

200000

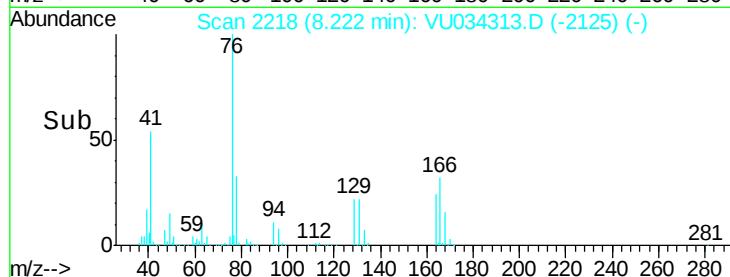
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 244.361 ug/l

RT: 7.11 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VU034313.D

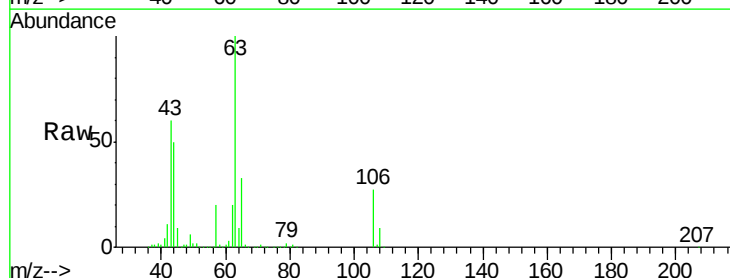
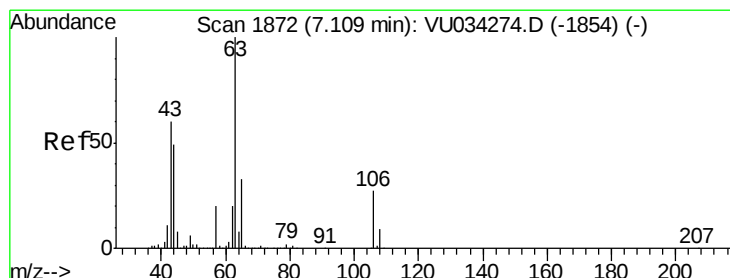
Acq: 06 Sep 2019 02:47

Tgt Ion: 63 Resp: 581862

Ion Ratio Lower Upper

63 100

106 27.1 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.11

400000

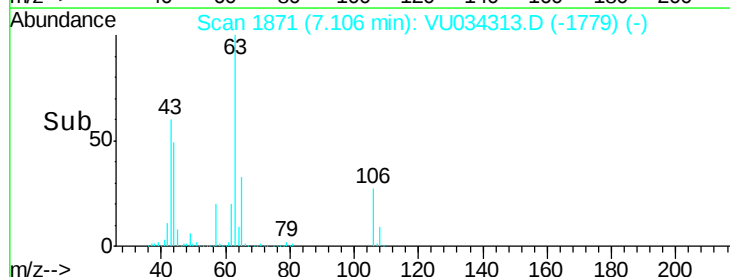
300000

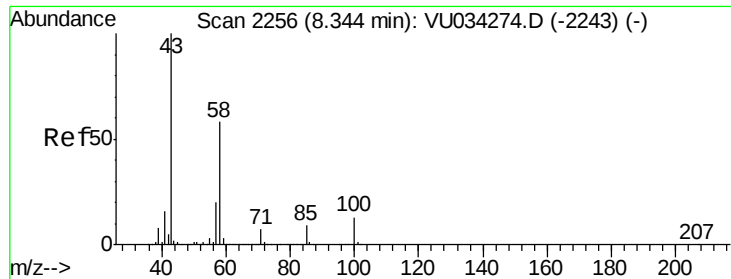
200000

100000

0

Time-->



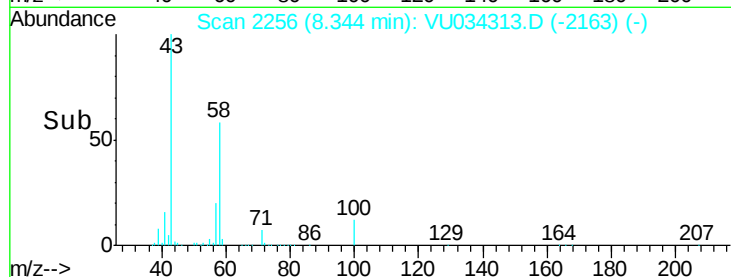
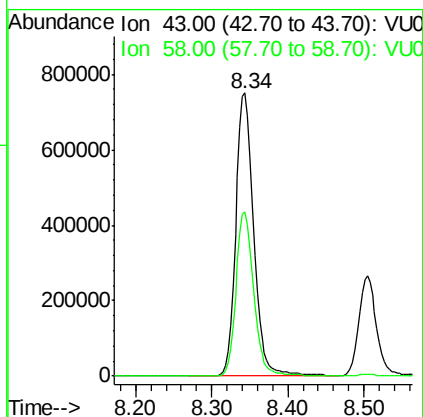
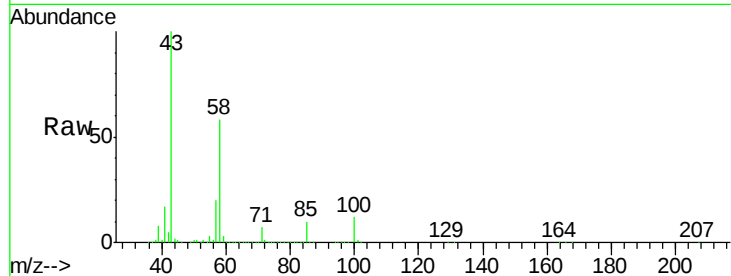


#59
2-Hexanone
Concen: 253.988 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

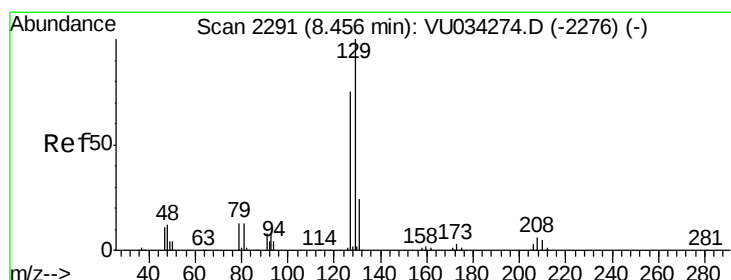
Tot Ion: 43 Resp: 1222962
Ion Ratio Lower Upper
43 100
58 57.8 28.8 86.5

Manual Integrations
APPROVED



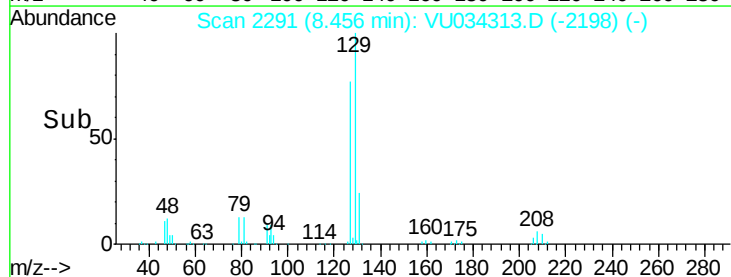
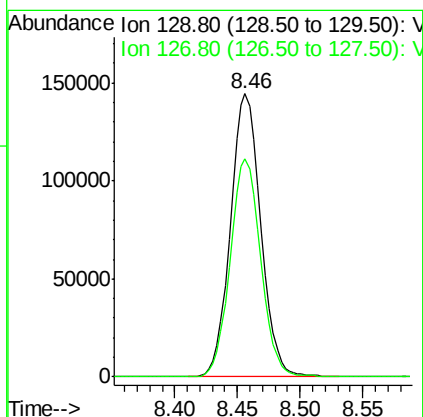
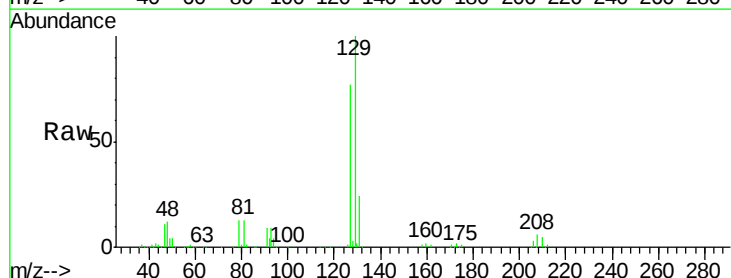
MMDadoda

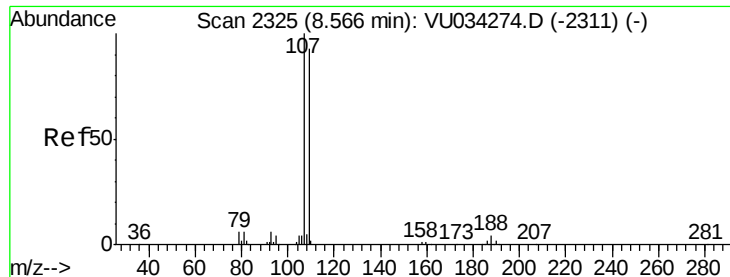
9/6/2019 3:21:16 PM



#60
Dibromochloromethane
Concen: 48.644 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Tgt Ion: 129 Resp: 242100
Ion Ratio Lower Upper
129 100
127 77.7 37.9 113.7



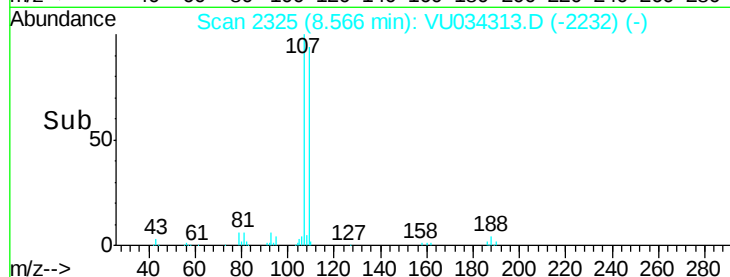
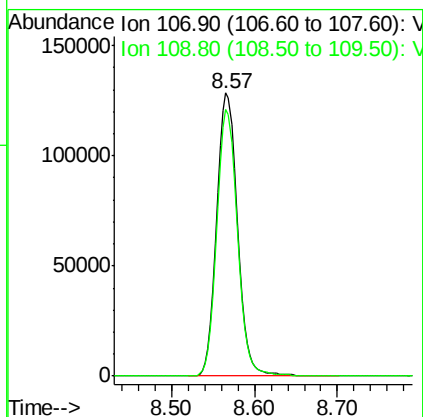
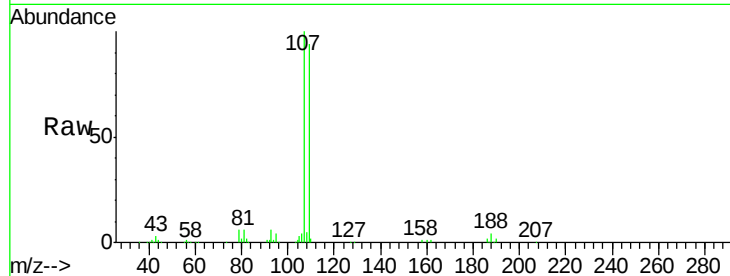


#61
 1,2-Dibromoethane
 Concen: 49.111 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU034313.D
 Acq: 06 Sep 2019 02:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

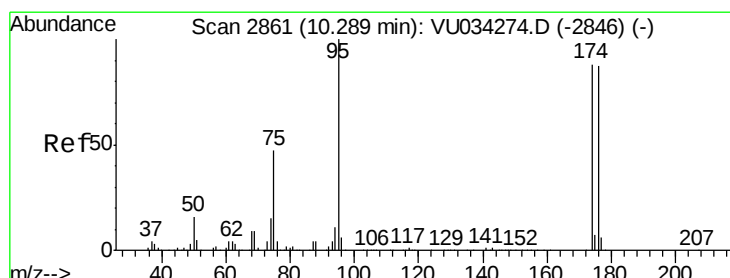
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.0	112.6

Manual Integrations
 APPROVED



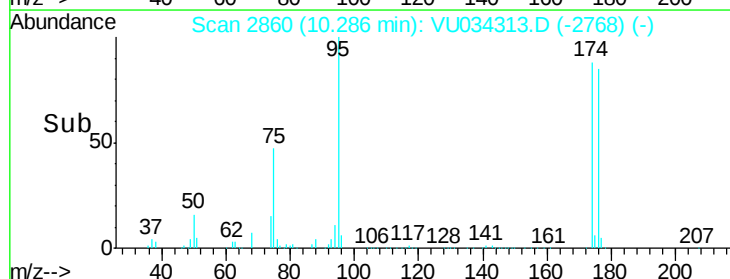
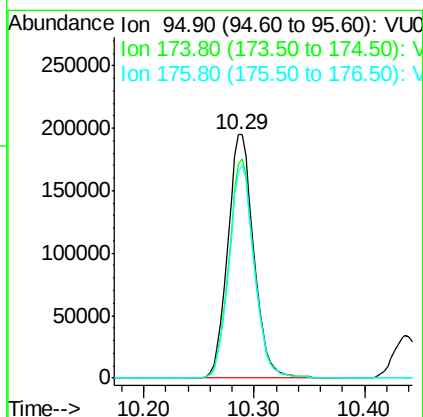
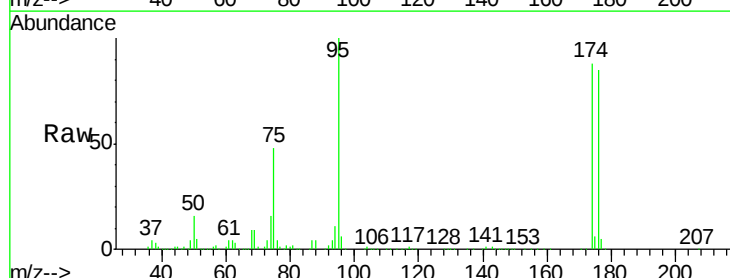
MMDadoda

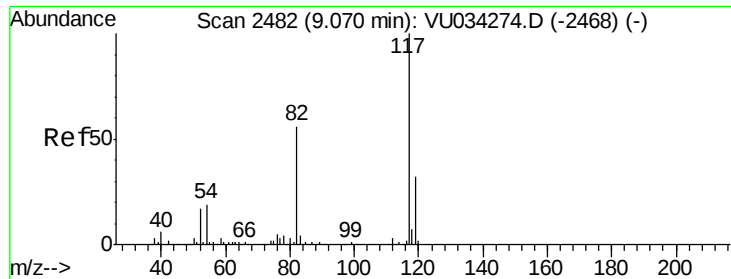
9/6/2019 3:21:16 PM



#62
 4-Bromofluorobenzene
 Concen: 50.758 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034313.D
 Acq: 06 Sep 2019 02:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	175.2
176	85.2	0.0	168.0



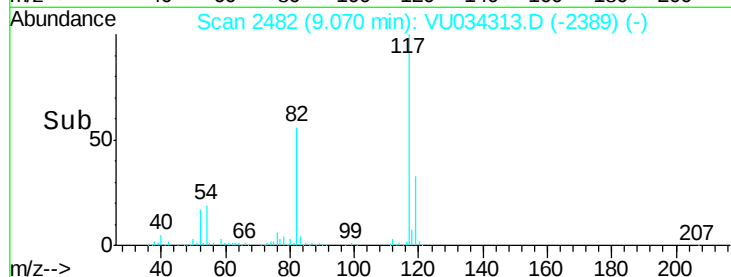
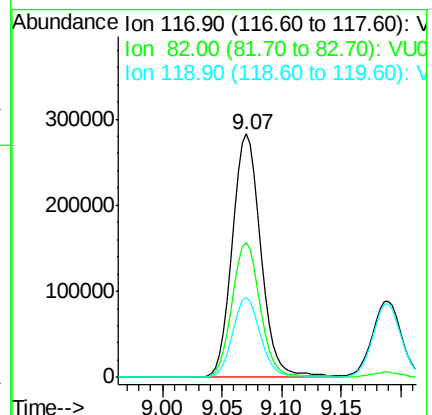
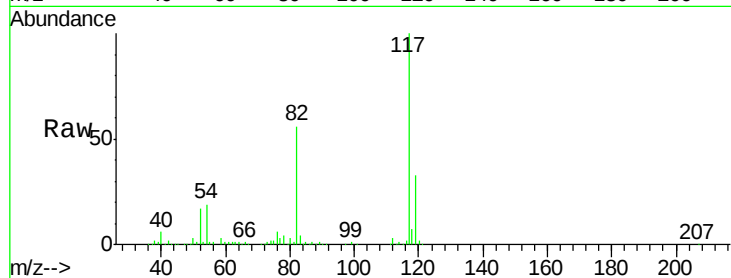


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

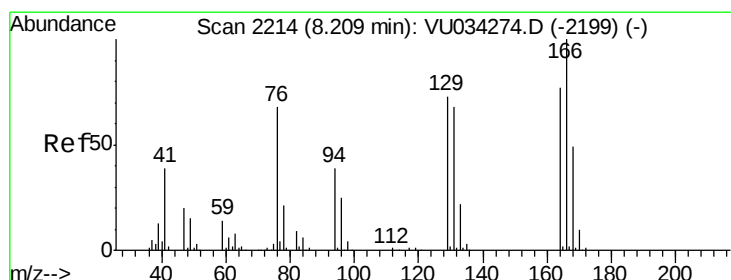
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.6	67.0
119	33.0	25.9	38.9

Manual Integrations
APPROVED



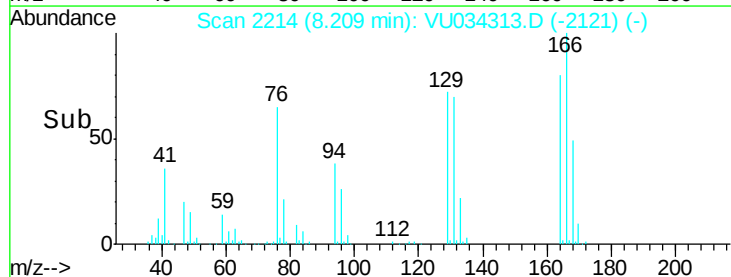
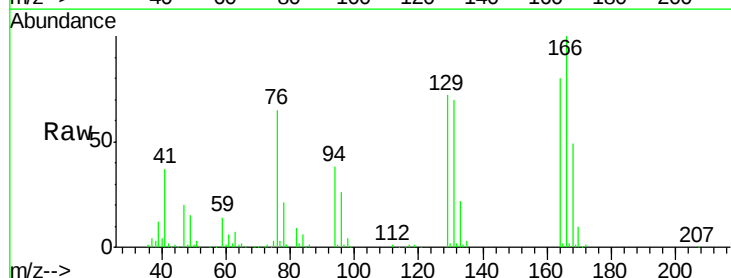
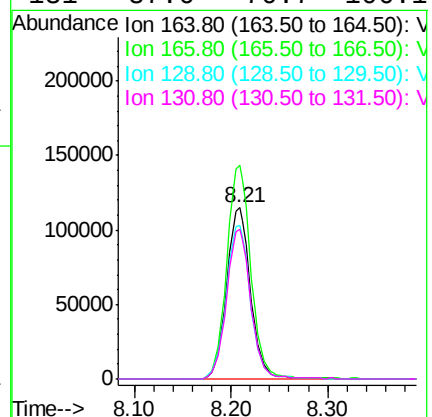
MMDadoda

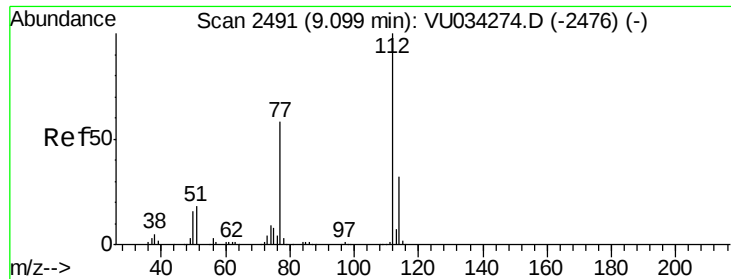
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#64
Tetrachloroethene
Concen: 48.005 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	103.7	155.5
129	89.4	75.8	113.8
131	87.6	70.7	106.1



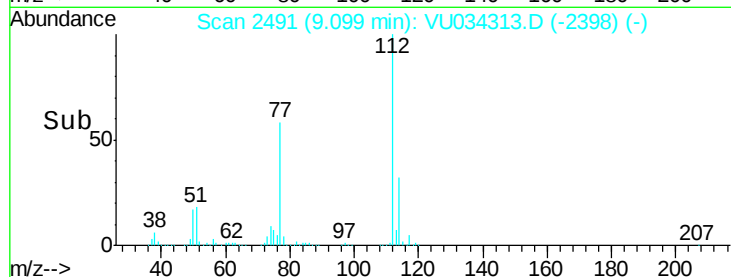
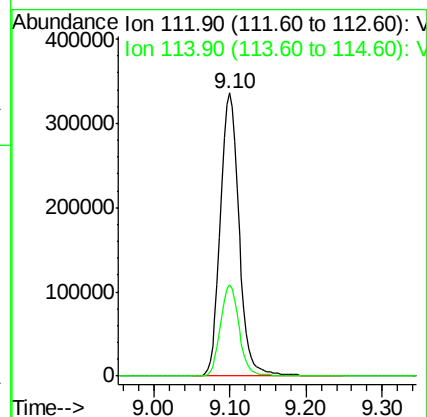
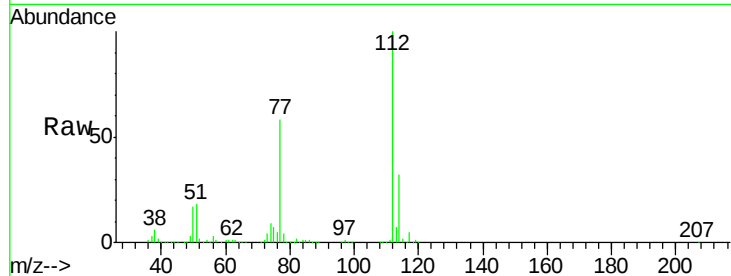


#65
Chlorobenzene
Concen: 47.712 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

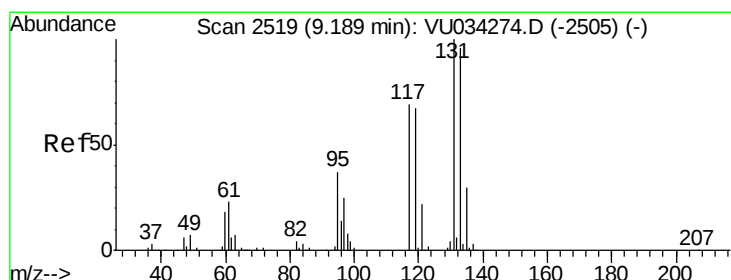
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.9	38.9

Manual Integrations
APPROVED



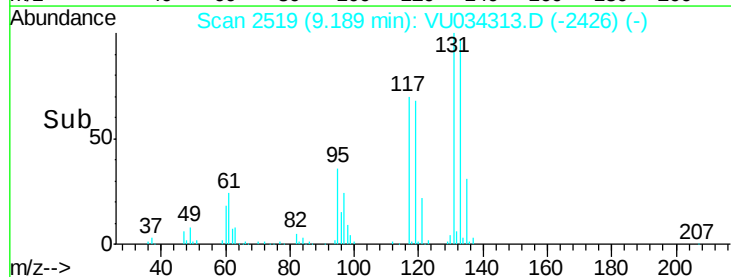
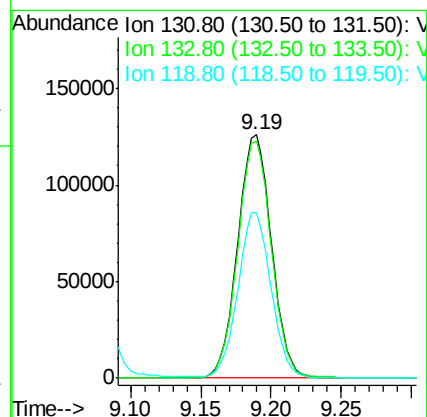
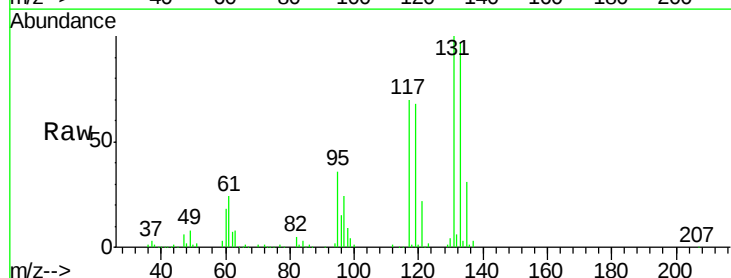
MMDadoda

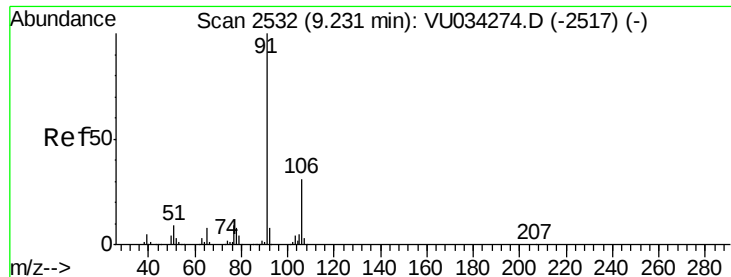
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.466 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.9	143.7
119	66.4	33.1	99.5



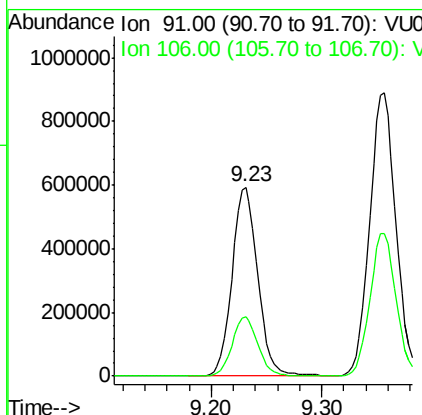
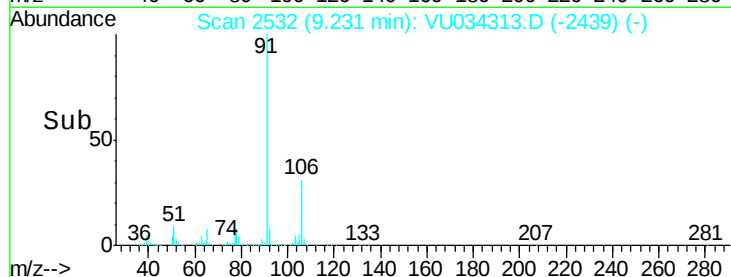
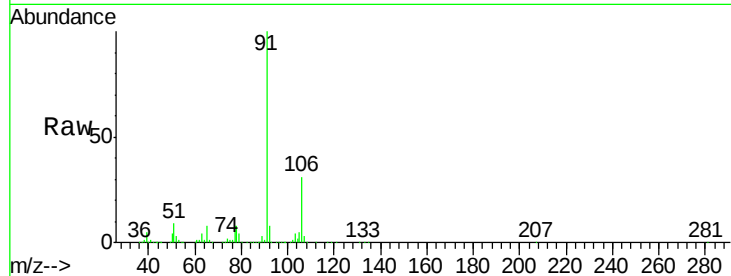


#67
Ethyl Benzene
Concen: 49.027 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

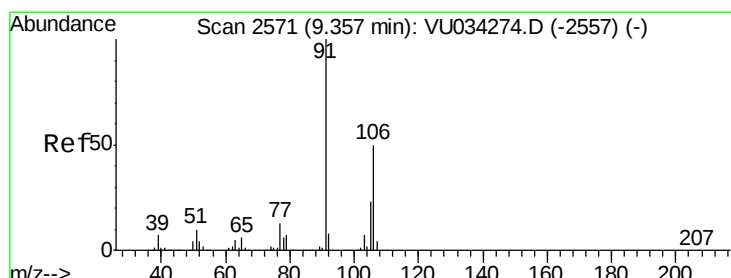
Tot Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.8	37.2

Manual Integrations
APPROVED



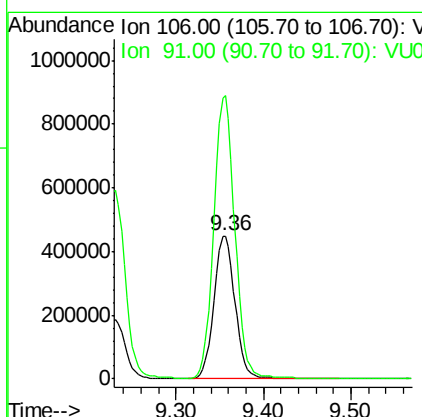
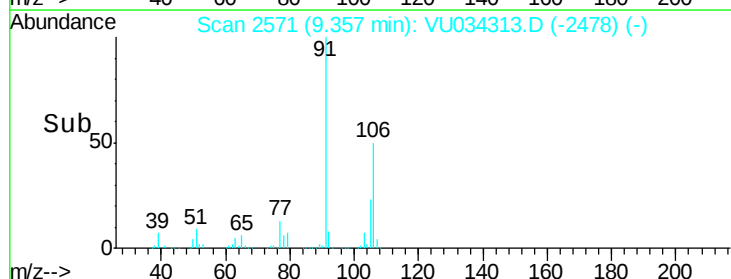
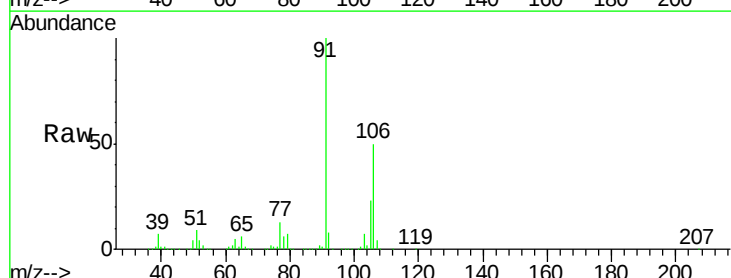
MMDadoda

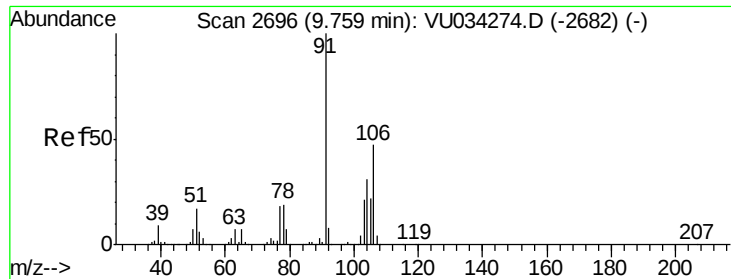
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#68
m/p-Xylenes
Concen: 101.444 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.8	160.1	240.1



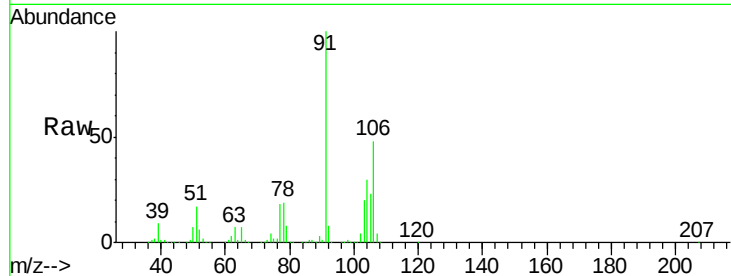


#69
o-Xylene
Concen: 50.827 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

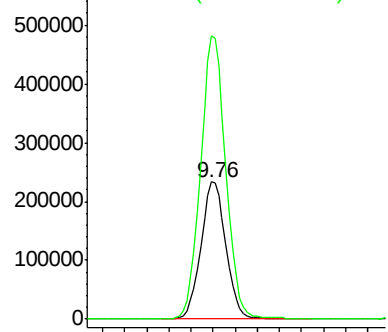
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	208.3	105.1	366711	315.3	

Manual Integrations
APPROVED

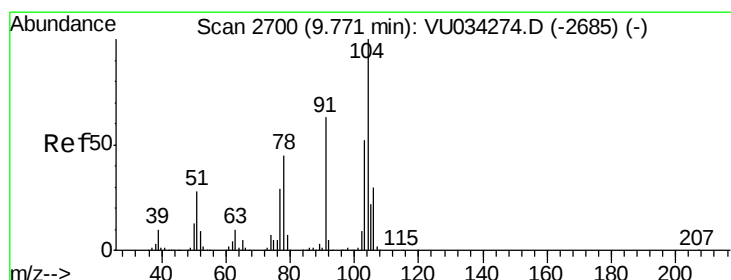
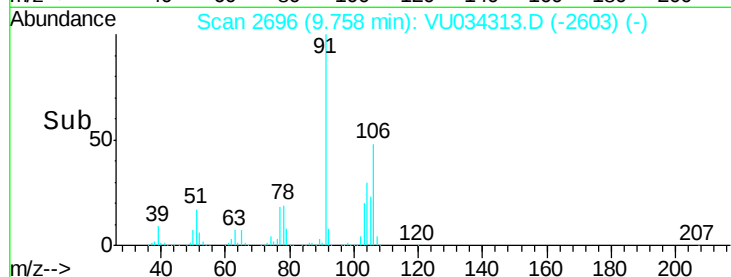


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



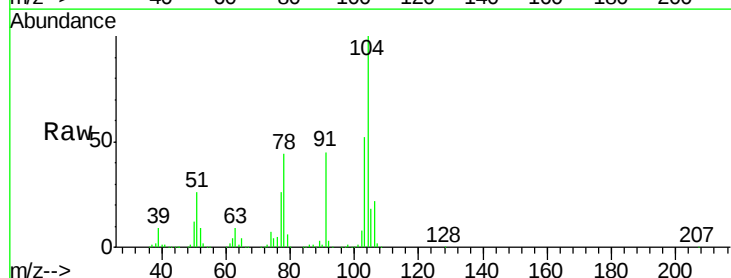
MMDadoda

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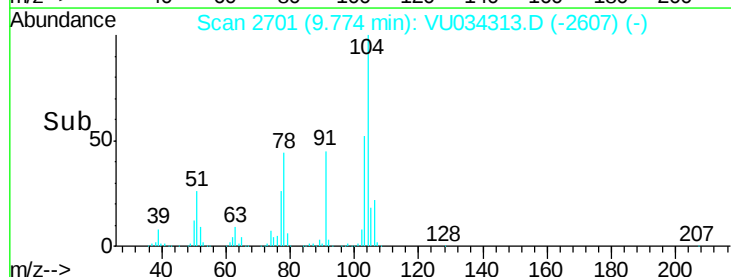
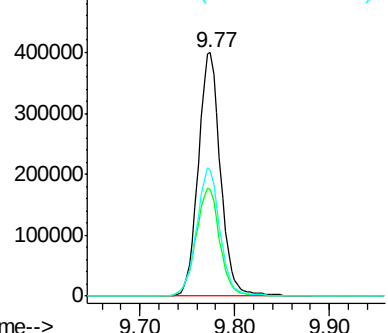


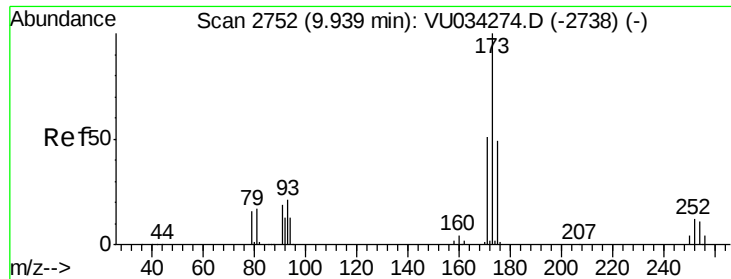
#70
Styrene
Concen: 51.638 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.7	38.6	653202	57.8	
103	55.3	44.2		66.4	



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 48.140 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 190785

Ion Ratio Lower Upper

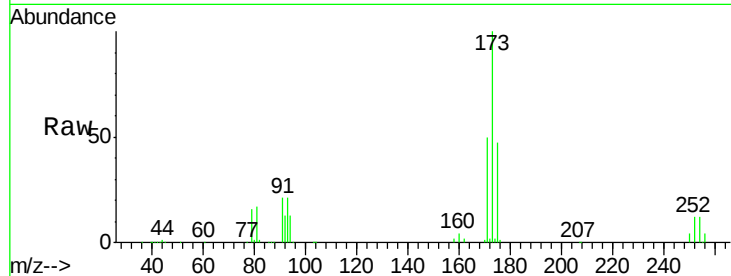
173 100

175 47.3 24.4 73.2

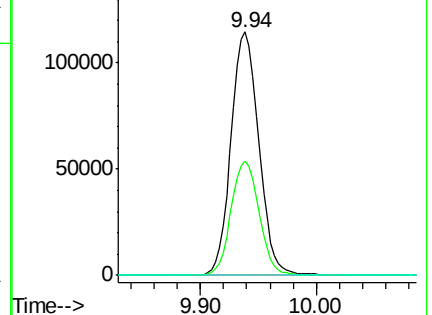
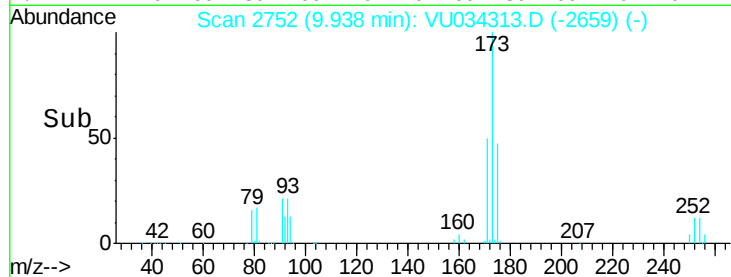
254 0.1 0.0 0.0#

Manual Integrations

APPROVED

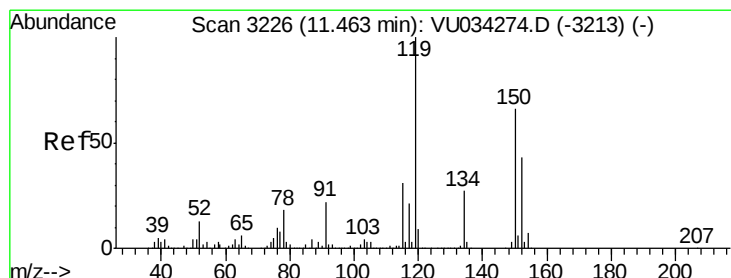


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

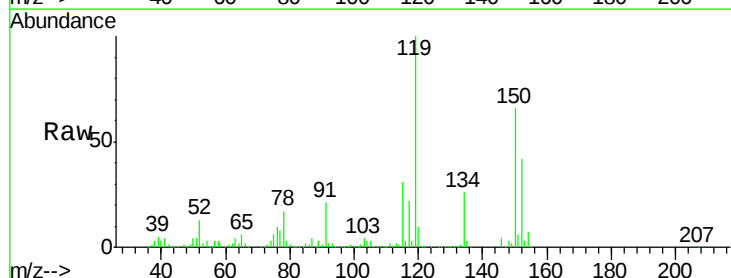
Tgt Ion:152 Resp: 311186

Ion Ratio Lower Upper

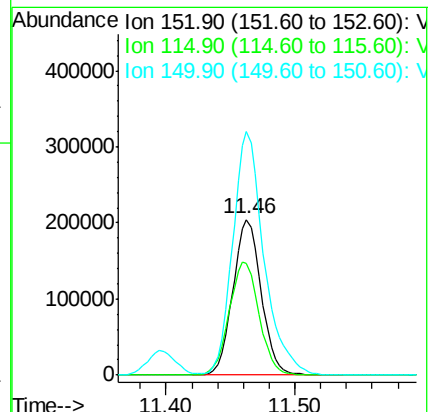
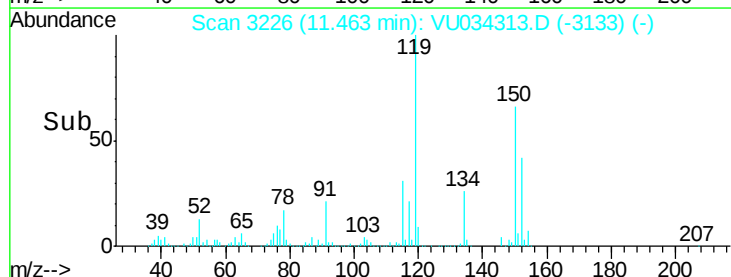
152 100

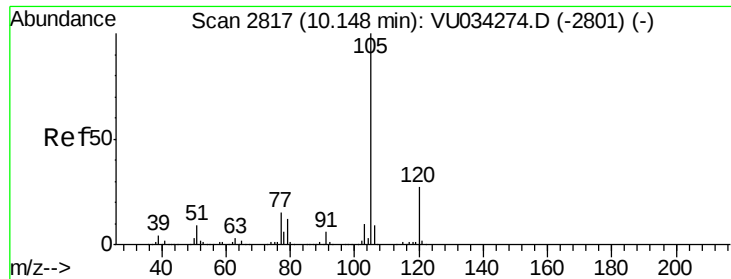
115 76.4 39.1 117.3

150 172.3 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.110 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 994542

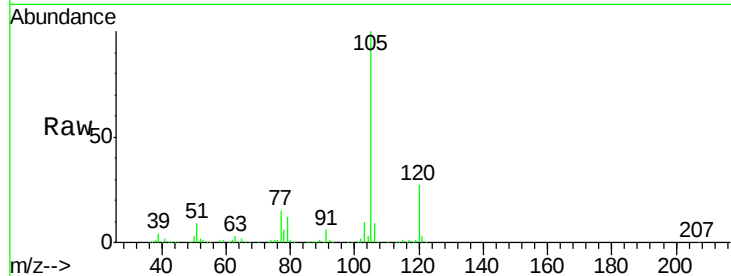
Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2

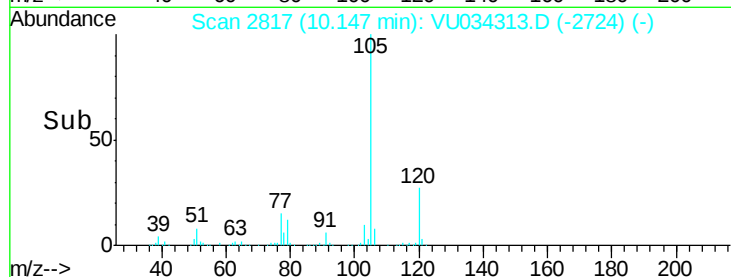
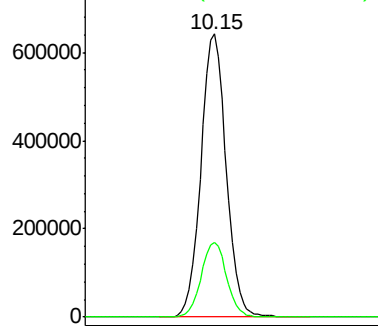
Manual Integrations

APPROVED



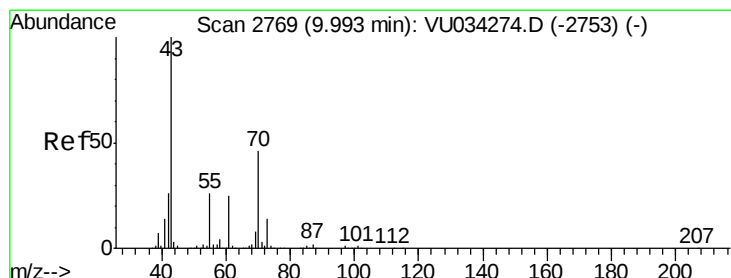
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#74

N-ethyl acetate

Concen: 51.684 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Tgt Ion: 43 Resp: 421311

Ion Ratio Lower Upper

43 100

70 44.7 36.4 54.6

55 25.9 21.2 31.8

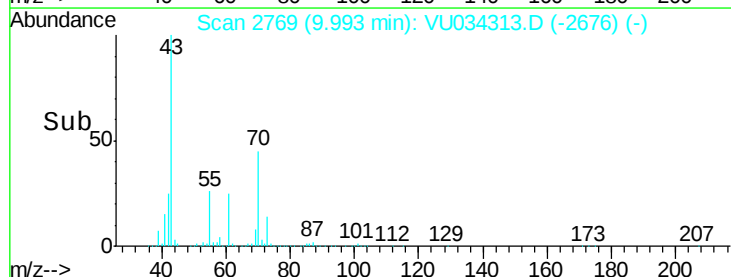
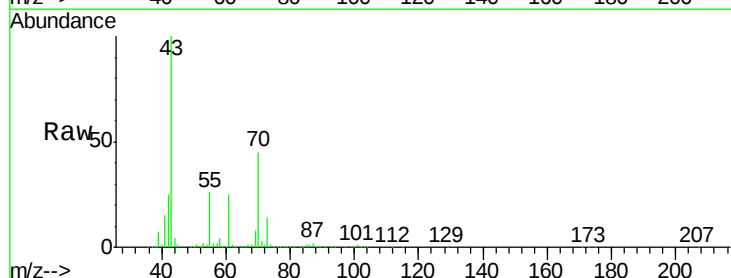
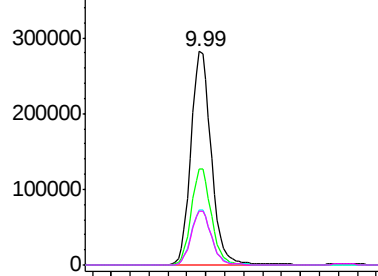
61 25.2 20.4 30.6

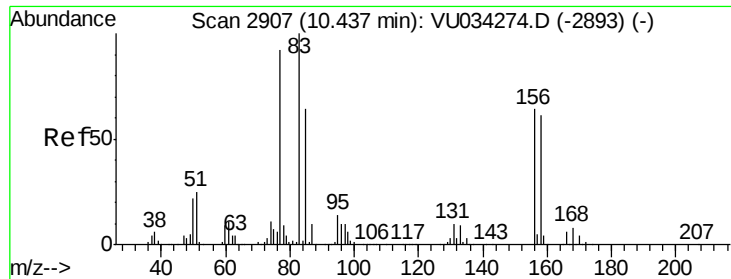
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.229 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

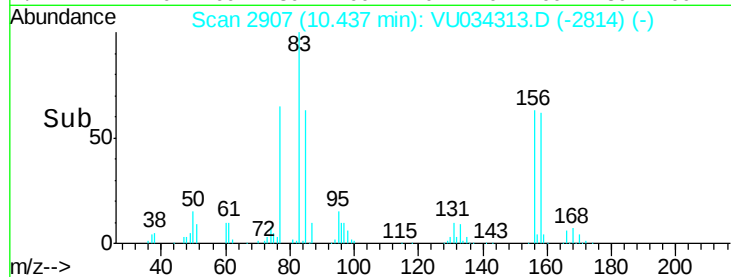
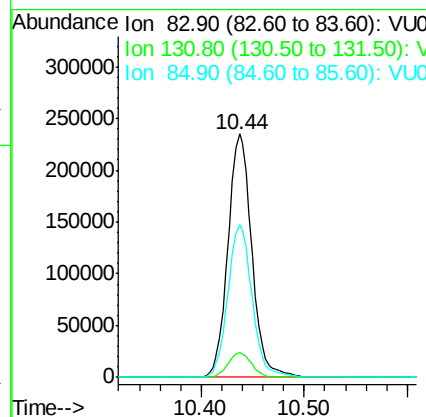
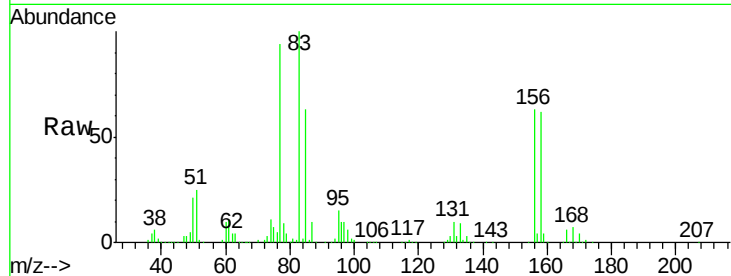
MSVOA_U

ClientSampleId :

VSTDCCC050EC

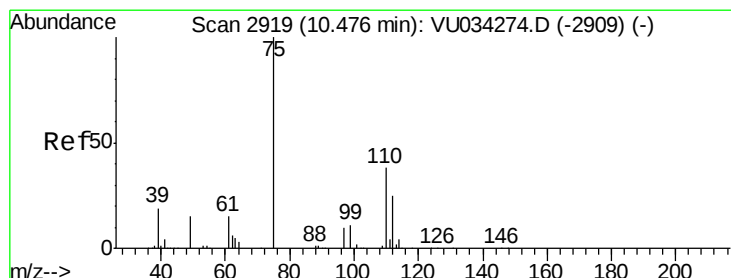
Tot Ion:	83	Resp:	378950
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.2
85	63.8	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.030 ug/l m

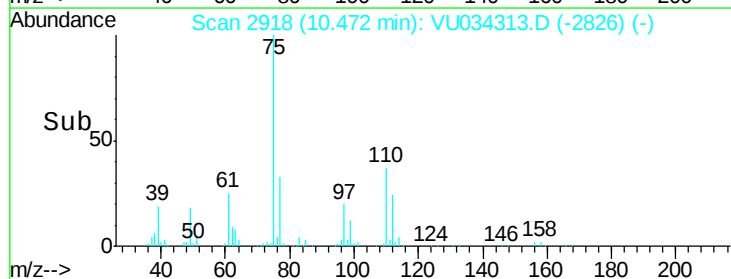
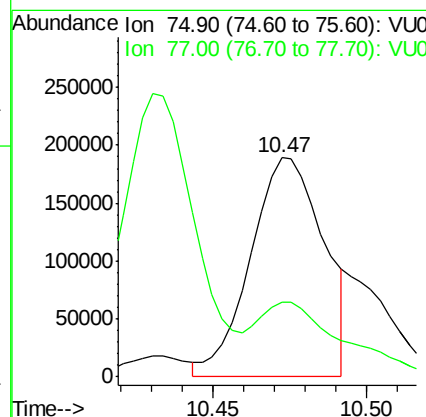
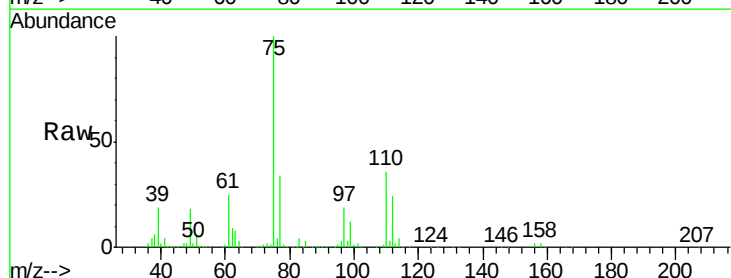
RT: 10.47 min Scan# 2918

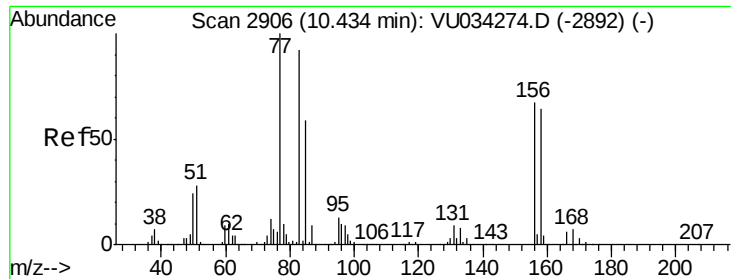
Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Tgt Ion:	75	Resp:	312662
Ion	Ratio	Lower	Upper
75	100		
77	40.8	20.8	62.2





#77

Bromobenzene

Concen: 47.334 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

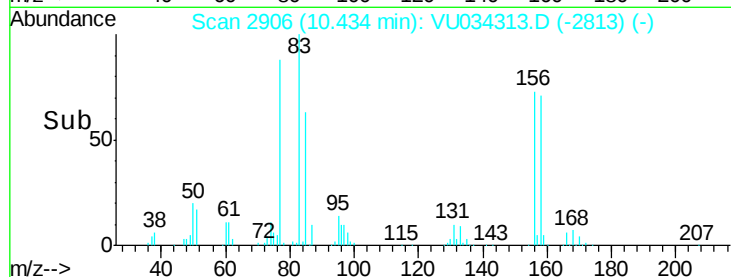
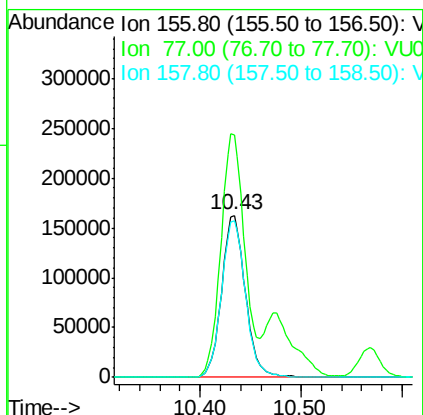
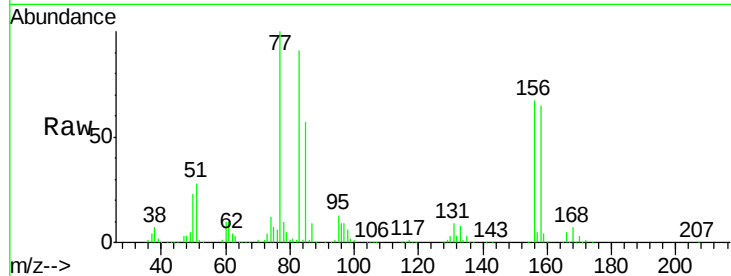
MSVOA_U

ClientSampleId :

VSTDCCC050EC

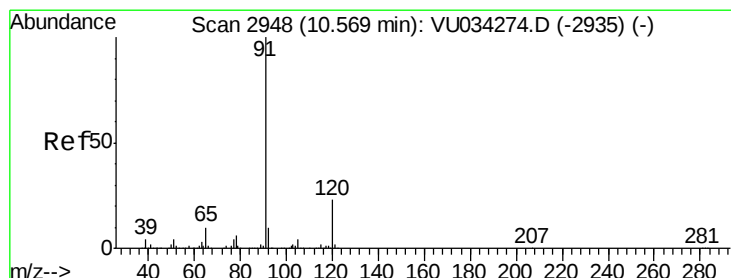
Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	151.5	75.6	226.9	
158	98.0	48.2	144.6	

Manual Integrations
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#78

n-propylbenzene

Concen: 48.901 ug/l

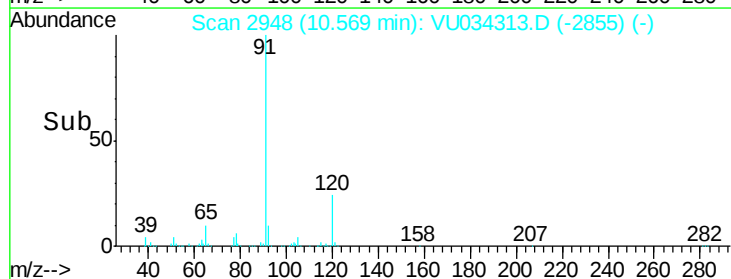
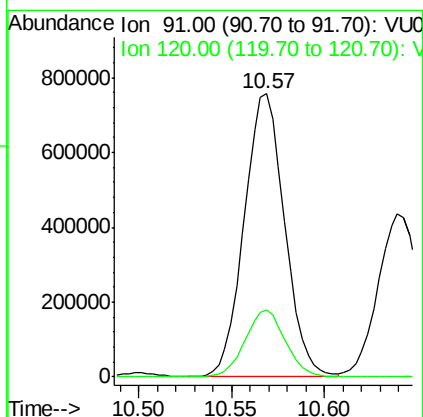
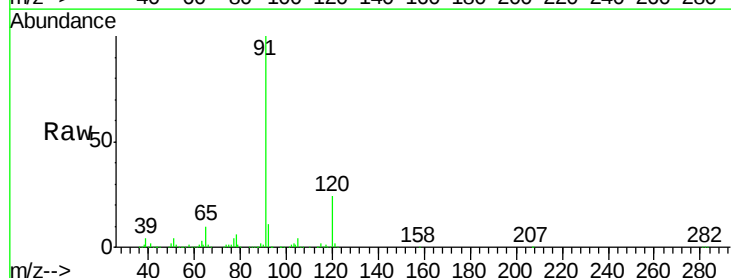
RT: 10.57 min Scan# 2948

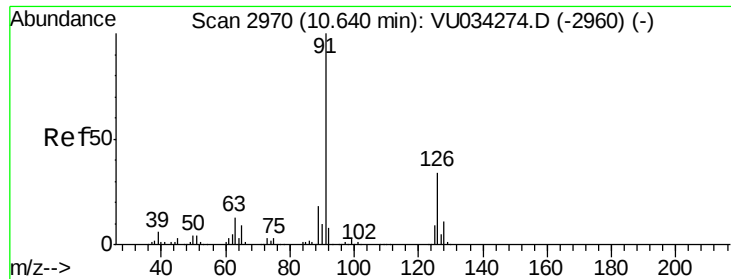
Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.6	11.7	35.0	





#79

2-Chlorotoluene

Concen: 48.583 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 693312

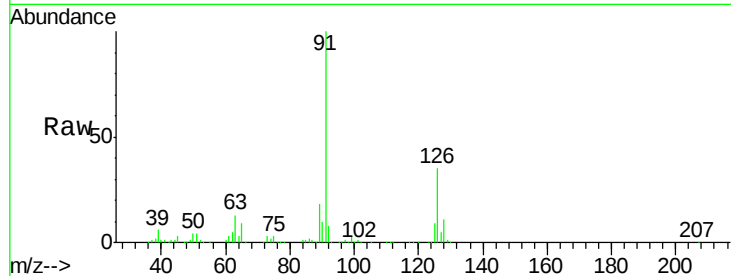
Ion Ratio Lower Upper

91 100

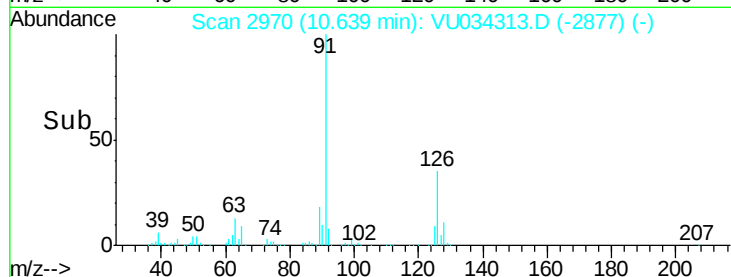
126 34.6 17.3 51.9

Manual Integrations

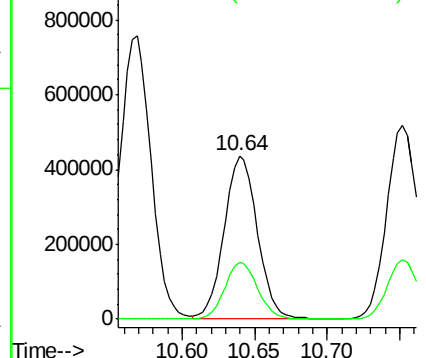
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Abundance Ion 91.00 (90.70 to 91.70): VU034313.D (-2877) (-)

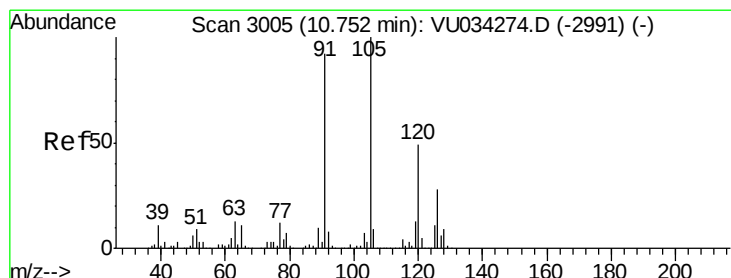


Ion 125.90 (125.60 to 126.60): VU034313.D (-2877) (-)



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#80

1,3,5-Trimethylbenzene

Concen: 50.650 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034313.D

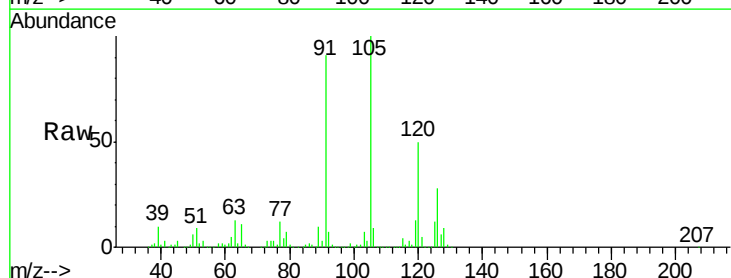
Acq: 06 Sep 2019 02:47

Tgt Ion: 105 Resp: 857851

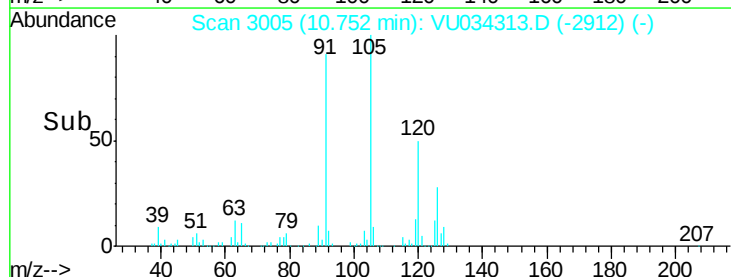
Ion Ratio Lower Upper

105 100

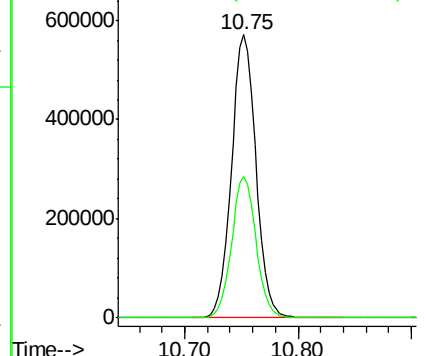
120 49.9 24.9 74.7

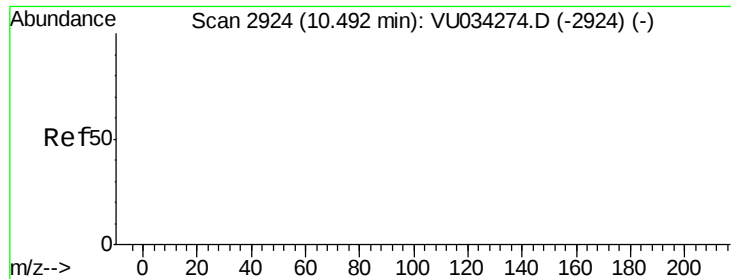


Abundance Ion 105.00 (104.70 to 105.70): VU034313.D (-2912) (-)



Ion 120.00 (119.70 to 120.70): VU034313.D (-2912) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.592 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU034313.D

Acq: 06 Sep 2019 02:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 92089

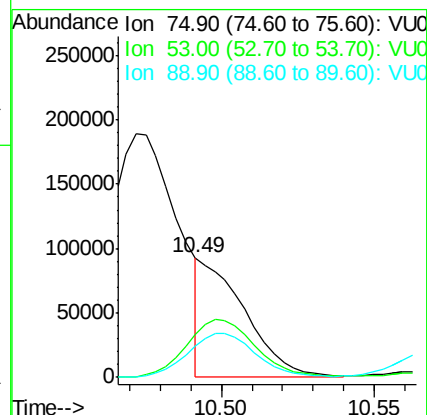
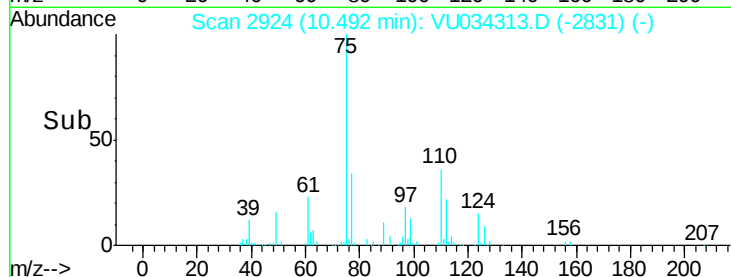
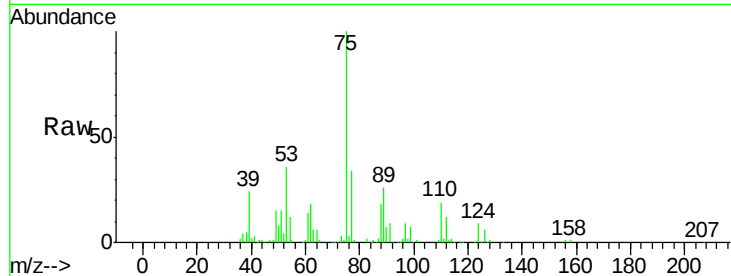
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

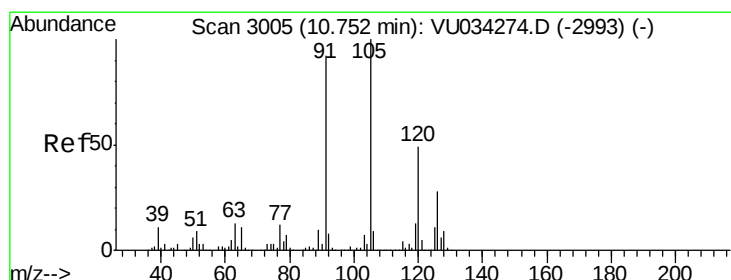
89 0.0 0.0 0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.620 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034313.D

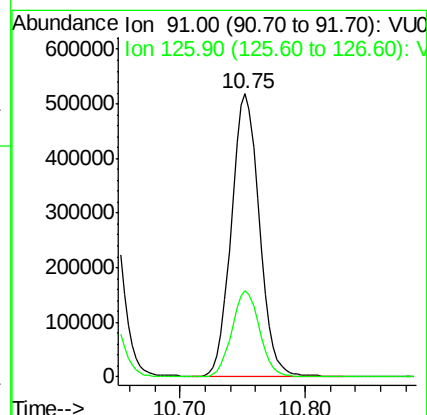
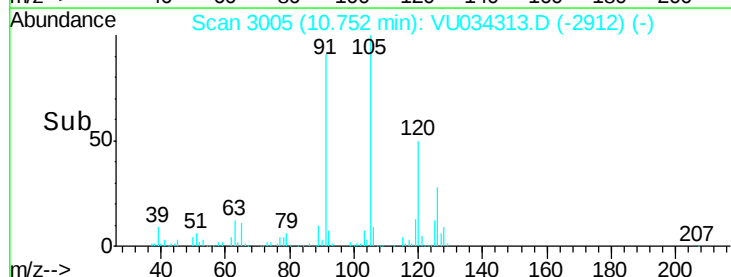
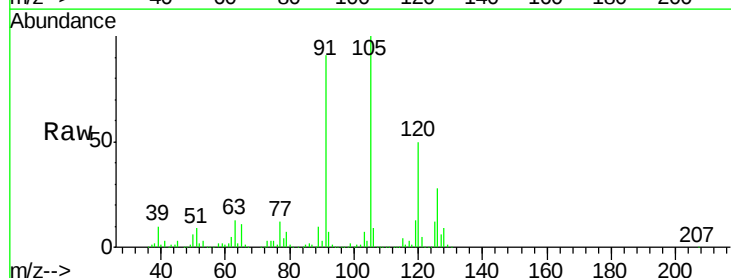
Acq: 06 Sep 2019 02:47

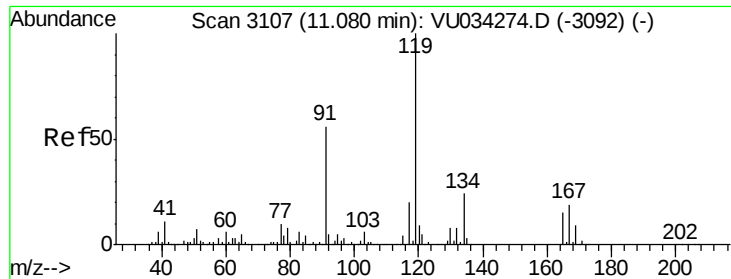
Tgt Ion: 91 Resp: 798465

Ion Ratio Lower Upper

91 100

126 30.6 15.3 45.8



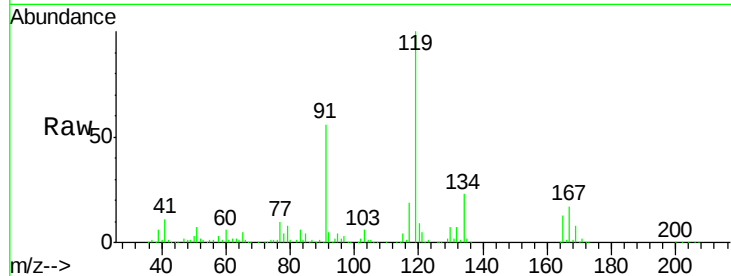


#83
tert-Butylbenzene
Concen: 49.217 ug/l
RT: 11.08 min Scan# 3107
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

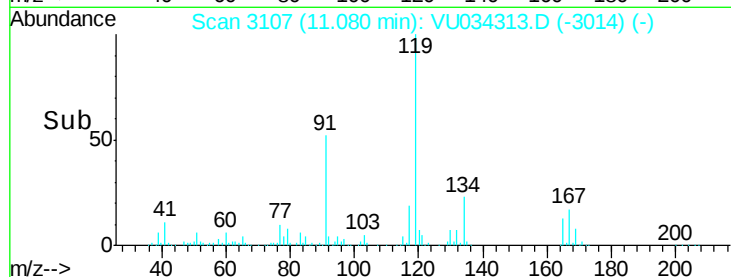
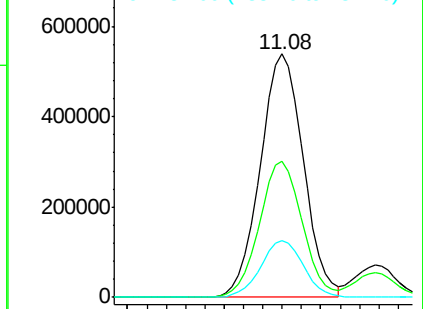
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.5	27.8	83.4
134	23.1	11.7	35.0

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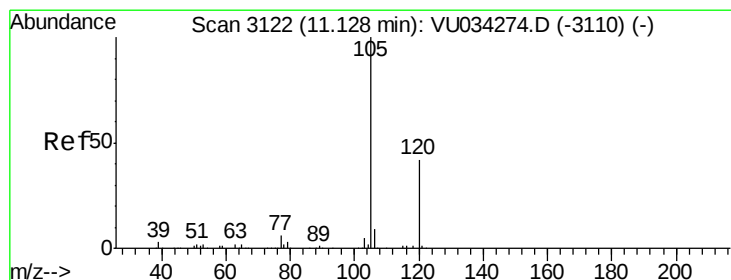


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



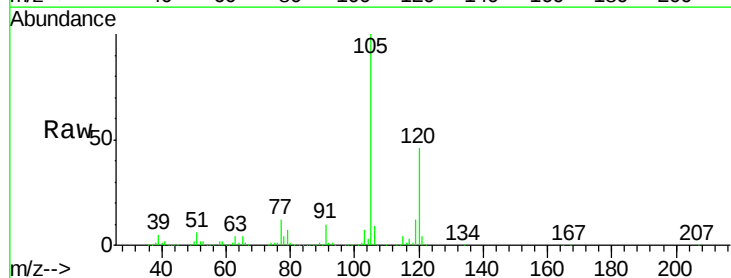
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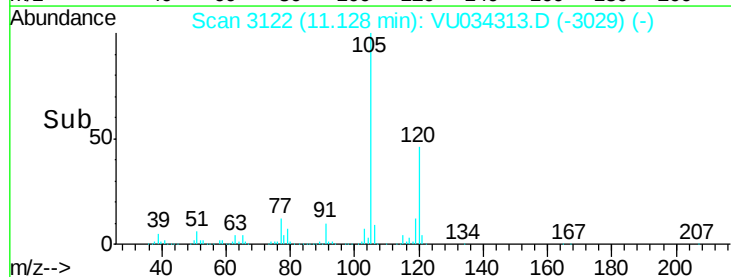
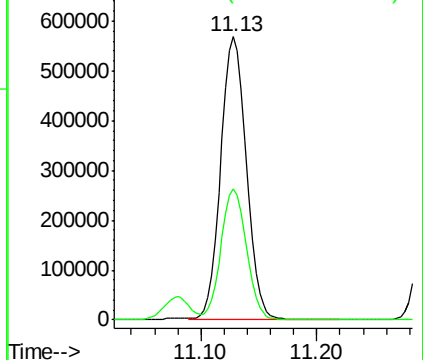


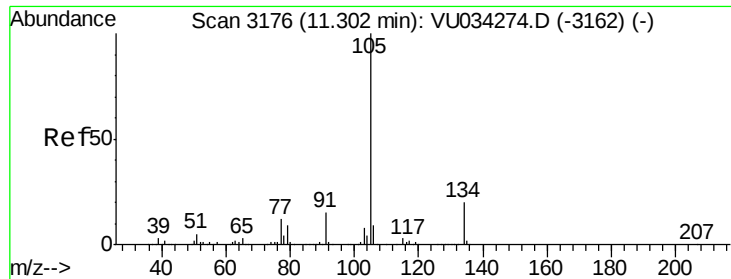
#84
1,2,4-Trimethylbenzene
Concen: 51.060 ug/l
RT: 11.13 min Scan# 3122
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.9	68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



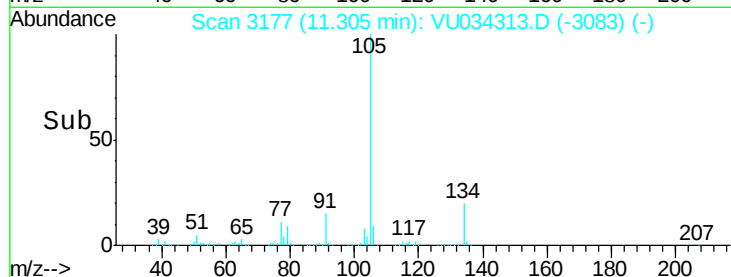
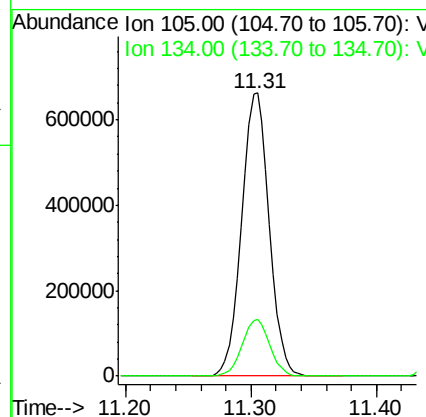
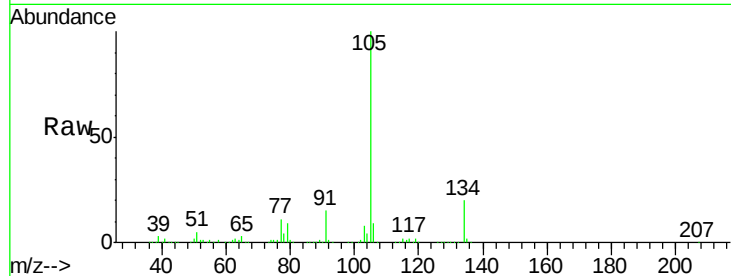


#85
 sec-Butylbenzene
 Concen: 50.273 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU034313.D
 Acq: 06 Sep 2019 02:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

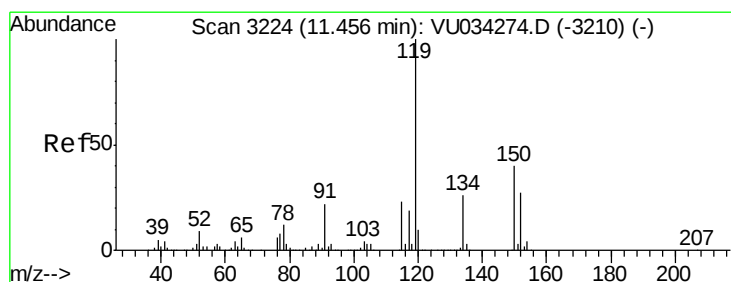
Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.3

Manual Integrations
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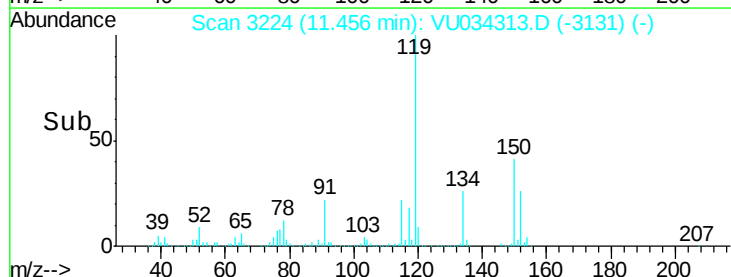
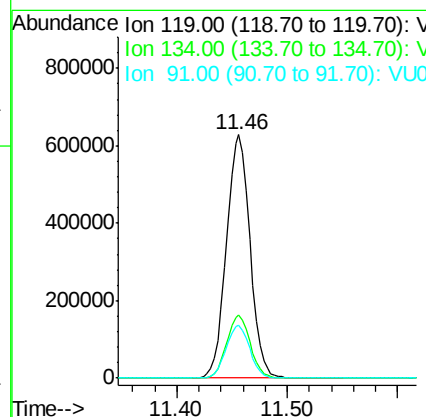
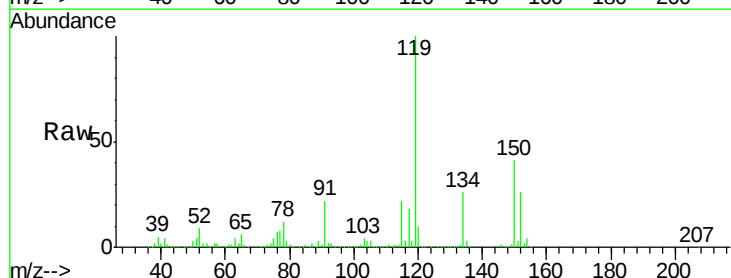
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#86
 p-Isopropyltoluene
 Concen: 50.313 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. -0.00 min
 Lab File: VU034313.D
 Acq: 06 Sep 2019 02:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.3	39.8
91	21.8	11.2	33.6



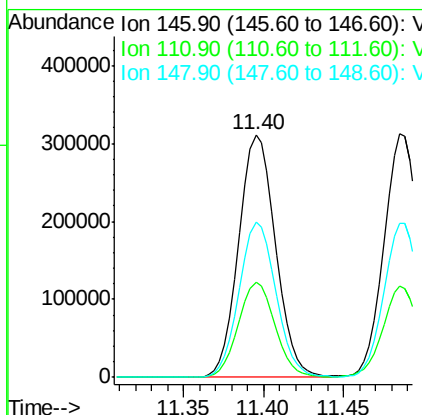
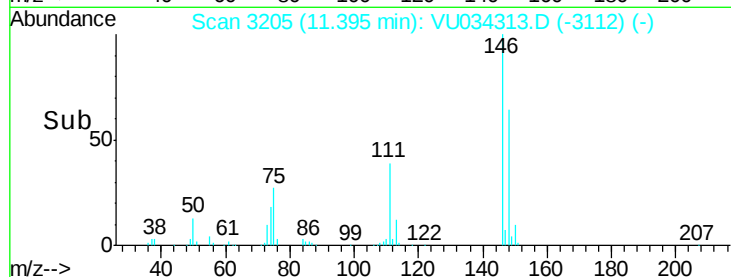
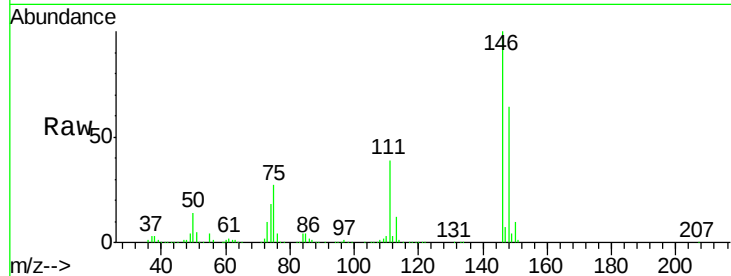


#87
 1,3-Dichlorobenzene
 Concen: 47.302 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034313.D
 Acq: 06 Sep 2019 02:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

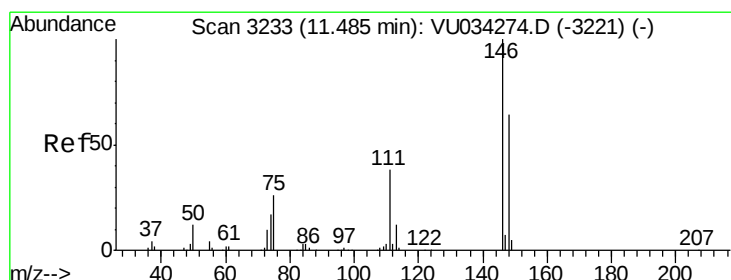
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.5	58.5
148	64.0	32.1	96.3

Manual Integrations
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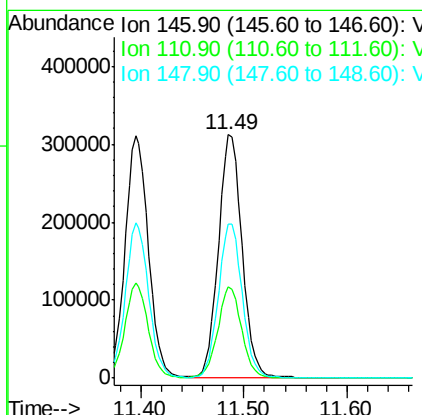
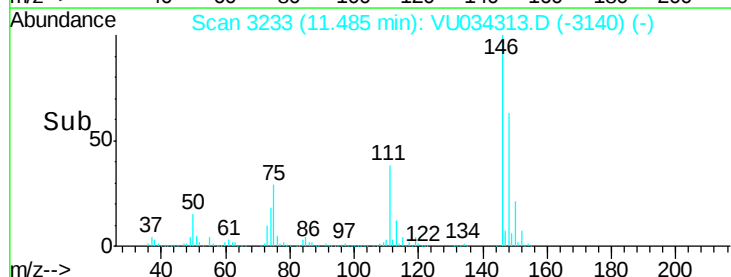
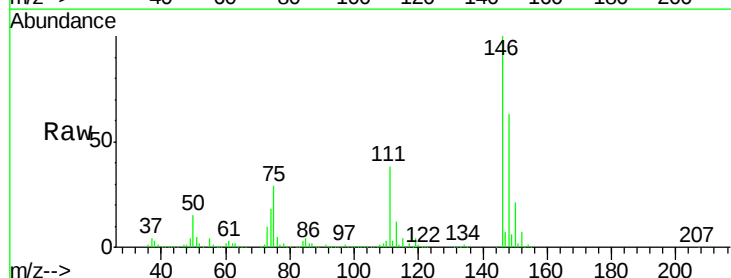
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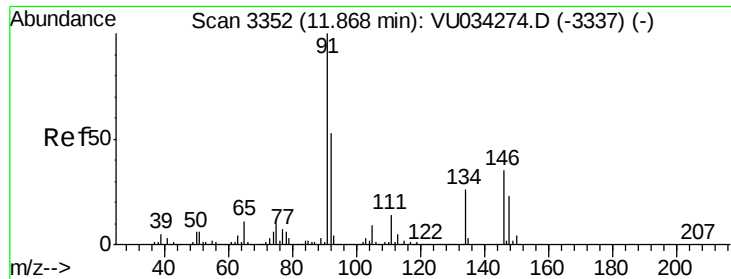
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#88
 1,4-Dichlorobenzene
 Concen: 46.075 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034313.D
 Acq: 06 Sep 2019 02:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.3
148	64.1	32.0	96.0



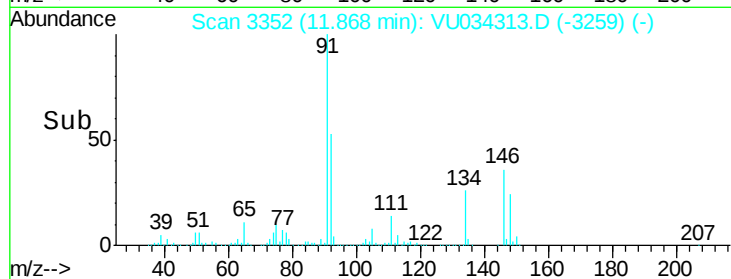
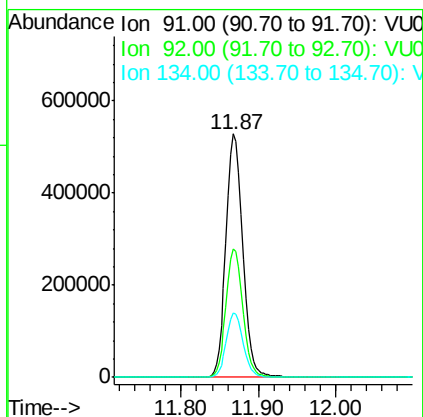
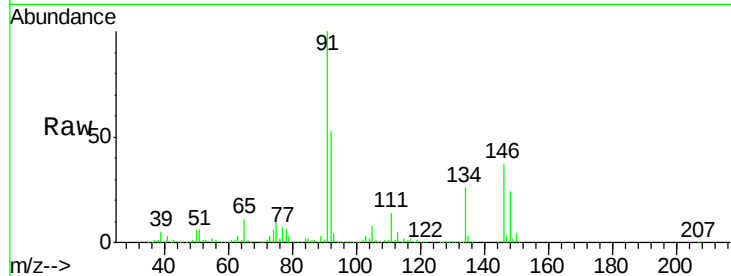


#89
n-Butylbenzene
Concen: 50.050 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

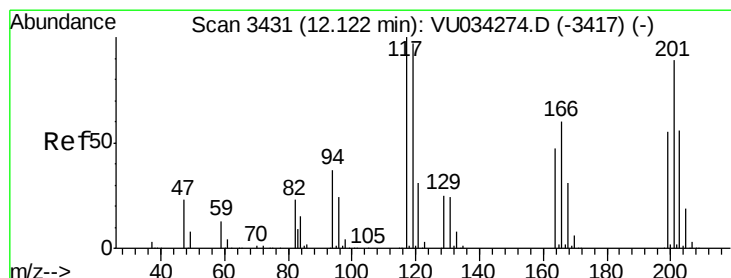
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.4
134	26.4	13.2	39.6

Manual Integrations
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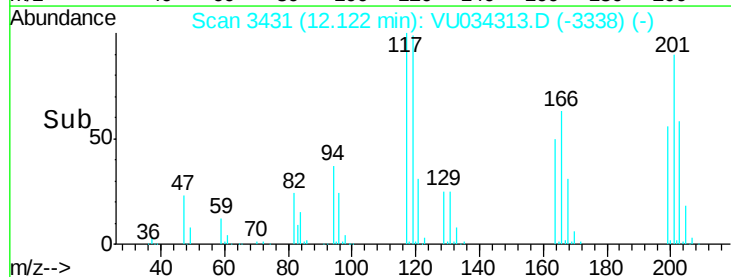
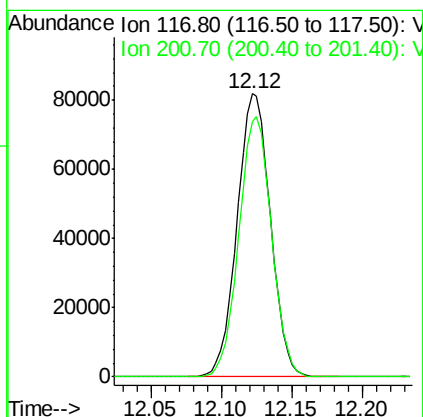
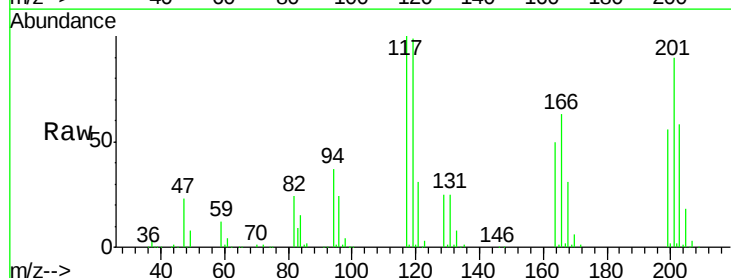
MMDadoda

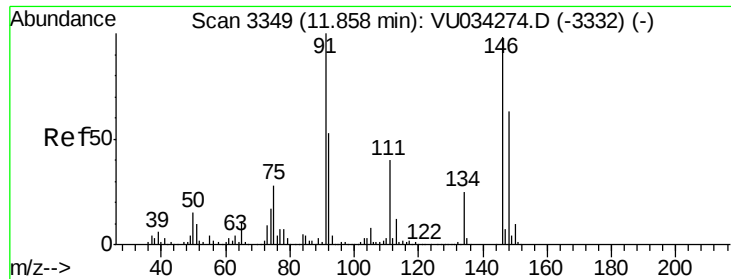
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#90
Hexachloroethane
Concen: 45.994 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.0	44.1	132.4



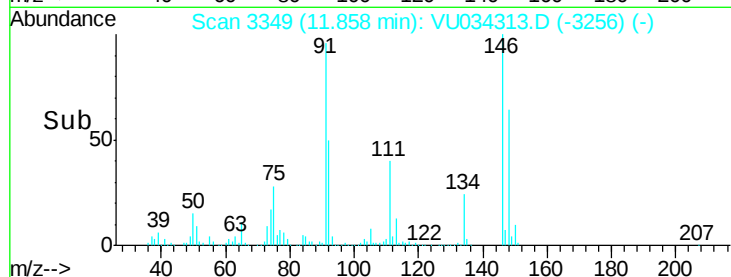
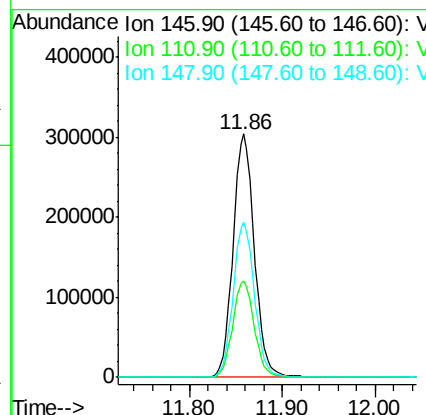
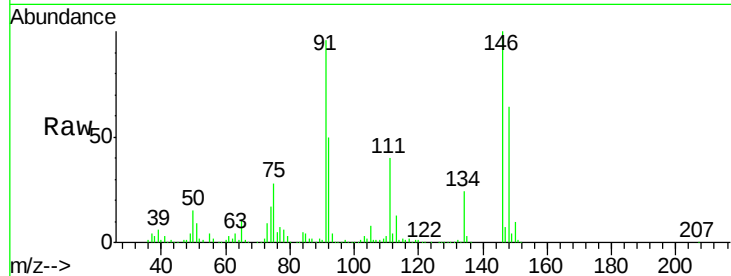


#91
 1,2-Dichlorobenzene
 Concen: 47.743 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034313.D
 Acq: 06 Sep 2019 02:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

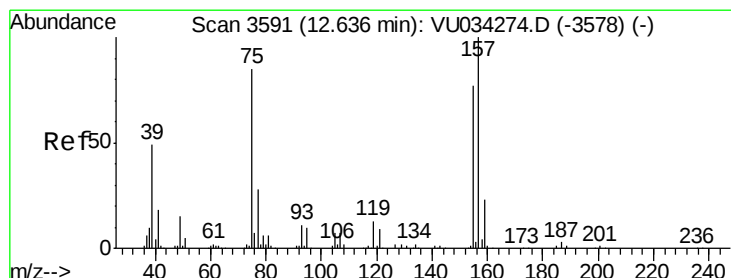
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	64.0	31.6	94.8

Manual Integrations
 APPROVED



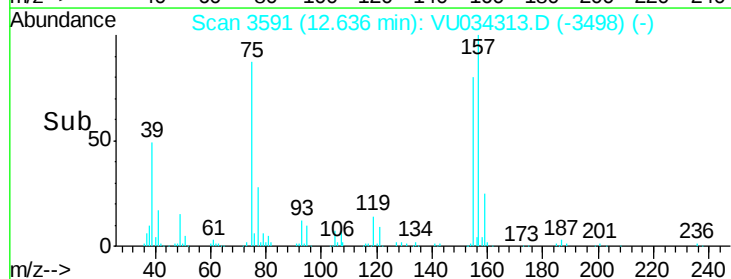
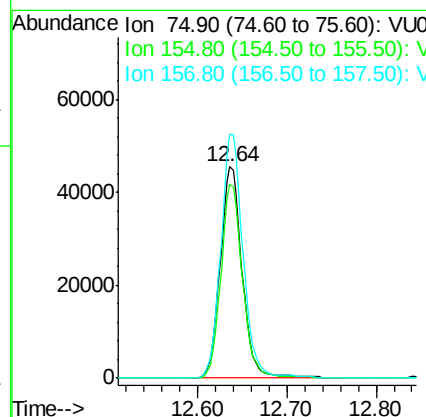
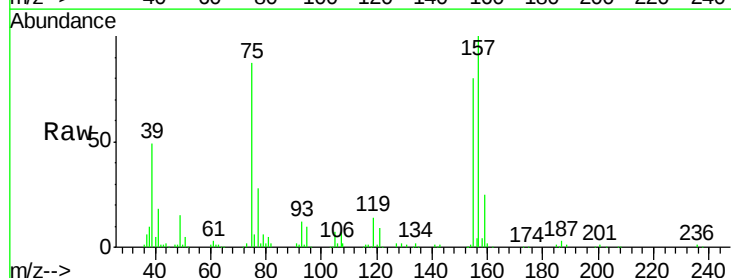
MMDadoda

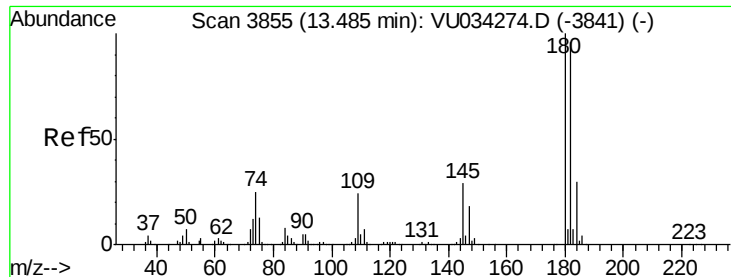
9/6/2019 3:21:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.565 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034313.D
 Acq: 06 Sep 2019 02:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.4	44.6	134.0
157	116.1	58.2	174.6



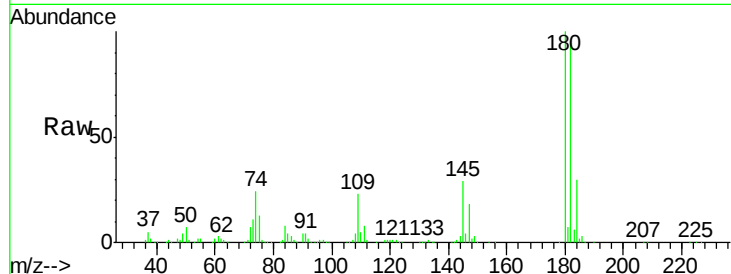


#93
 1,2,4-Trichlorobenzene
 Concen: 46.544 ug/l
 RT: 13.48 min Scan# 3855
 Delta R.T. -0.00 min
 Lab File: VU034313.D
 Acq: 06 Sep 2019 02:47

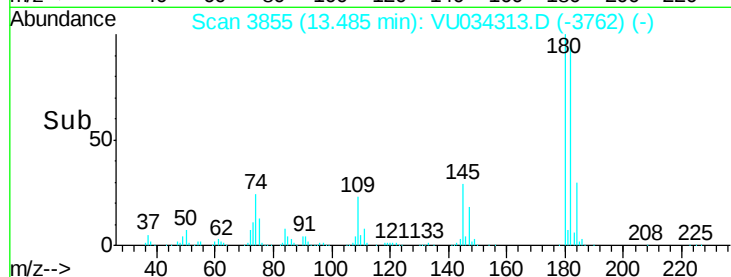
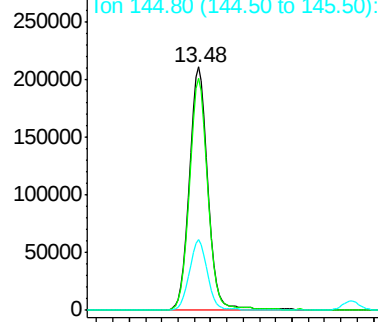
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.8
145	28.6	14.4	43.0

Manual Integrations
 APPROVED



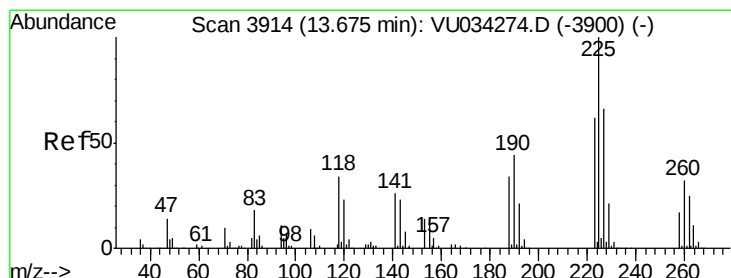
Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



MMDadoda

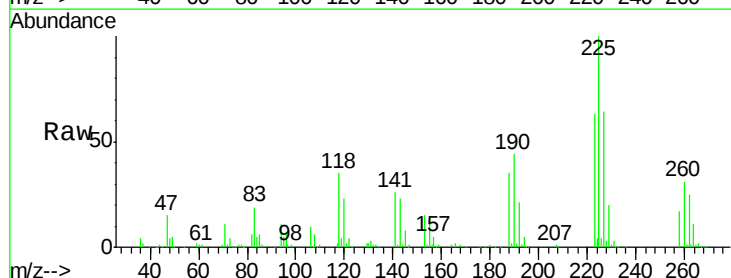
9/6/2019 3:21:16 PM

Time-->

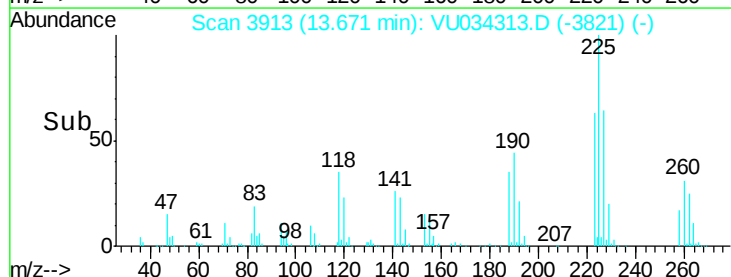
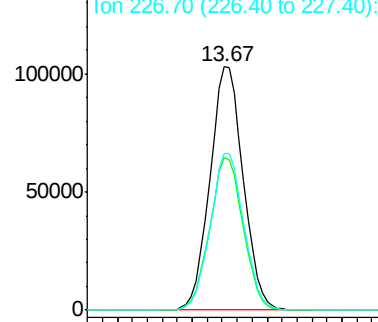


#94
 Hexachlorobutadiene
 Concen: 44.864 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034313.D
 Acq: 06 Sep 2019 02:47

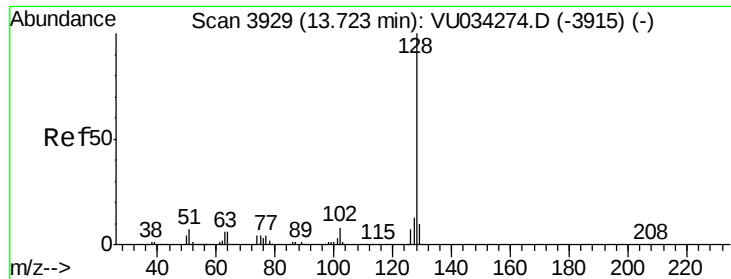
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.6	94.7
227	64.5	32.3	96.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->

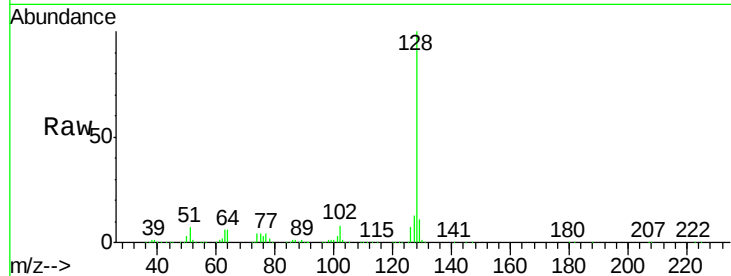


#95
Naphthalene
Concen: 46.257 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	15.8
129	10.4	8.4	12.6

Manual Integrations
APPROVED

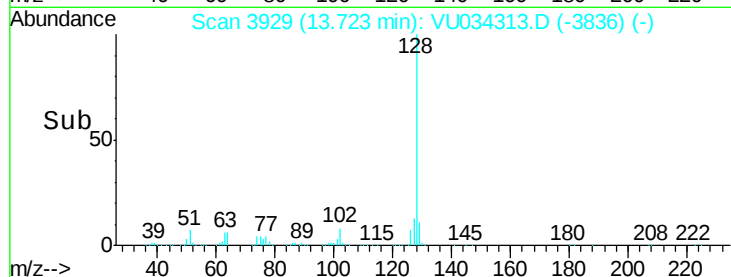
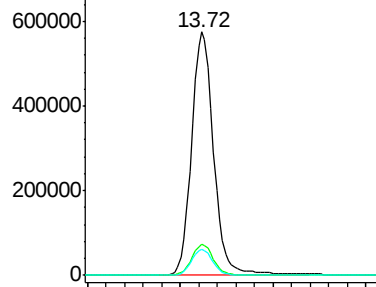


Abundance

Ion 128.00 (127.70 to 128.70): V

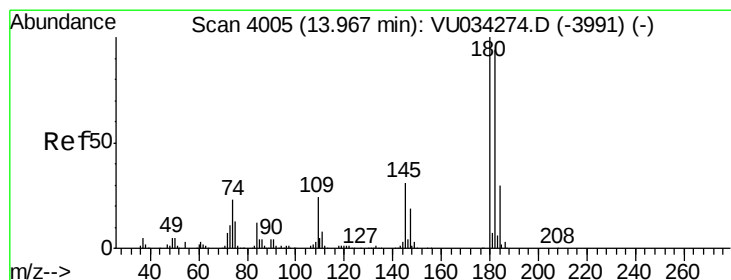
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



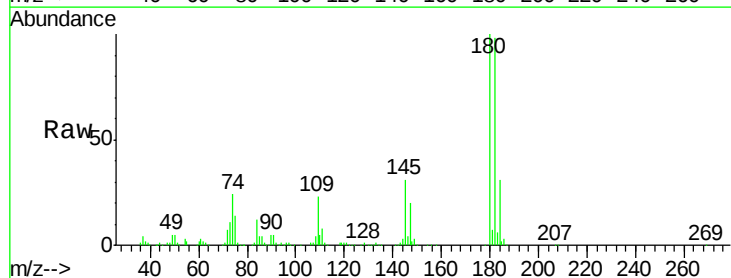
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#96
1,2,3-Trichlorobenzene
Concen: 47.065 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034313.D
Acq: 06 Sep 2019 02:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.4	145.0
145	30.6	15.4	46.4



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

