

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091019\
 Data File : VU034464.D
 Acq On : 10 Sep 2019 20:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/11/2019 1:42:29 PM

Quant Time: Sep 11 07:13:02 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	252455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	366446	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	369775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	252425	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	196143	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	4.86	113	177184	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
50) Toluene-d8	7.54	98	670066	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
62) 4-Bromofluorobenzene	10.29	95	258699	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	121274	45.932	ug/l	99
3) Chloromethane	1.32	50	142938	50.109	ug/l	98
4) Vinyl Chloride	1.40	62	153833	46.756	ug/l	99
5) Bromomethane	1.61	94	89638	54.023	ug/l	100
6) Chloroethane	1.69	64	101482	53.131	ug/l	98
7) Trichlorofluoromethane	1.87	101	223264	50.609	ug/l	99
8) Diethyl Ether	2.09	74	99857	51.460	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	146587	50.169	ug/l	99
10) Methyl Iodide	2.40	142	118586	44.795	ug/l	98
11) Tert butyl alcohol	2.81	59	231564	286.956	ug/l	99
12) 1,1-Dichloroethene	2.27	96	136644	49.748	ug/l	97
13) Acrolein	2.18	56	99716	147.020	ug/l	99
14) Allyl chloride	2.58	41	258319m	49.192	ug/l	
15) Acrylonitrile	2.92	53	547234	272.318	ug/l	98
16) Acetone	2.31	43	441233	223.219	ug/l	99
17) Carbon Disulfide	2.47	76	261734	42.398	ug/l	100
18) Methyl Acetate	2.60	43	247441	51.445	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	552410	55.177	ug/l	99
20) Methylene Chloride	2.69	84	178017	55.023	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	146922	50.759	ug/l	97
22) Diisopropyl ether	3.55	45	568240	55.489	ug/l	97
23) Vinyl Acetate	3.50	43	2315853	277.627	ug/l	99
24) 1,1-Dichloroethane	3.43	63	319069	52.173	ug/l	100
25) 2-Butanone	4.24	43	708605	268.552	ug/l	100
26) 2,2-Dichloropropane	4.20	77	244302	49.669	ug/l	100
27) cis-1,2-Dichloroethene	4.21	96	188689	53.674	ug/l	97
28) Bromochloromethane	4.52	49	153971	54.737	ug/l	99
29) Tetrahydrofuran	4.61	42	444304	276.719	ug/l	99
30) Chloroform	4.65	83	324730	52.238	ug/l	99
31) Cyclohexane	4.97	56	212383	47.469	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	263663	53.050	ug/l	99
36) 1,1-Dichloropropene	5.12	75	201142	50.613	ug/l	99
37) Ethyl Acetate	4.36	43	255003	54.271	ug/l	99
38) Carbon Tetrachloride	5.11	117	221119	52.110	ug/l	98

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Quant Time: Sep 11 07:13:02 2019
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 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)
39) Methylcyclohexane	6.40	83	204492	48.134	ug/l	99
40) Benzene	5.37	78	673845	52.547	ug/l	99
41) Methacrylonitrile	4.52	41	142195	56.814	ug/l	100
42) 1,2-Dichloroethane	5.38	62	237574	53.360	ug/l	100
43) Isopropyl Acetate	5.53	43	398494	54.365	ug/l	100
44) Trichloroethene	6.16	130	180054	50.740	ug/l	96
45) 1,2-Dichloropropane	6.41	63	200645	53.522	ug/l	99
46) Dibromomethane	6.54	93	125693	53.414	ug/l	99
47) Bromodichloromethane	6.74	83	263127	54.322	ug/l	100
48) Methyl methacrylate	6.60	41	187034	53.723	ug/l	98
49) 1,4-Dioxane	6.59	88	83079	1092.829	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1399521	275.834	ug/l	100
52) Toluene	7.62	92	431087	53.589	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	273353	54.439	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	302034	54.806	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	203034	55.584	ug/l	98
56) Ethyl methacrylate	8.00	69	284206	51.138	ug/l	99
57) 1,3-Dichloropropane	8.22	76	325712	54.761	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	475269	252.927	ug/l	100
59) 2-Hexanone	8.34	43	1051803	277.493	ug/l	99
60) Dibromochloromethane	8.46	129	218547	55.782	ug/l	98
61) 1,2-Dibromoethane	8.57	107	193508	54.125	ug/l	98
64) Tetrachloroethene	8.21	164	163635	51.008	ug/l	97
65) Chlorobenzene	9.10	112	500297	53.329	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	192678	53.817	ug/l	100
67) Ethyl Benzene	9.23	91	832072	54.245	ug/l	99
68) m/p-Xylenes	9.35	106	656587	113.673	ug/l	99
69) o-Xylene	9.76	106	318168	56.325	ug/l	100
70) Styrene	9.77	104	581571	58.722	ug/l	99
71) Bromoform	9.94	173	172429	55.571	ug/l #	99
73) Isopropylbenzene	10.14	105	876546	53.359	ug/l	100
74) N-amyl acetate	9.99	43	365384	55.257	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.43	83	338436	50.898	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	277042m	50.280	ug/l	
77) Bromobenzene	10.43	156	241472	52.571	ug/l	98
78) n-propylbenzene	10.57	91	1013090	53.400	ug/l	100
79) 2-Chlorotoluene	10.64	91	612403	52.903	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	764637	55.656	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	89309m	54.508	ug/l	
82) 4-Chlorotoluene	10.75	91	716548	53.789	ug/l	100
83) tert-Butylbenzene	11.08	119	740755	53.897	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	771099	55.757	ug/l	100
85) sec-Butylbenzene	11.30	105	882575	54.394	ug/l	100
86) p-Isopropyltoluene	11.45	119	825328	55.110	ug/l	100
87) 1,3-Dichlorobenzene	11.39	146	436612	52.091	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	438945	50.209	ug/l	100
89) n-Butylbenzene	11.86	91	707621	54.371	ug/l	100
90) Hexachloroethane	12.12	117	124057	51.777	ug/l	100
91) 1,2-Dichlorobenzene	11.85	146	431286	52.357	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.63	75	67228	55.020	ug/l	98

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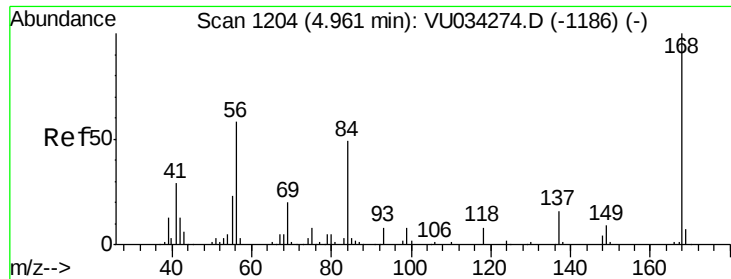
Manual Integrations
APPROVED

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9/11/2019 1:42:29 PM

Quant Time: Sep 11 07:13:02 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)
93) 1,2,4-Trichlorobenzene	13.48	180	295743	49.538	ug/l	99
94) Hexachlorobutadiene	13.67	225	137297	47.649	ug/l	100
95) Naphthalene	13.72	128	810996	48.348	ug/l	99
96) 1,2,3-Trichlorobenzene	13.96	180	292180	50.601	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Tot Ion: 168 Resp: 252455

Ion Ratio Lower Upper

168 100

99 53.1 41.6 62.4

Instrument :

MSVOA_U

ClientSampleId :

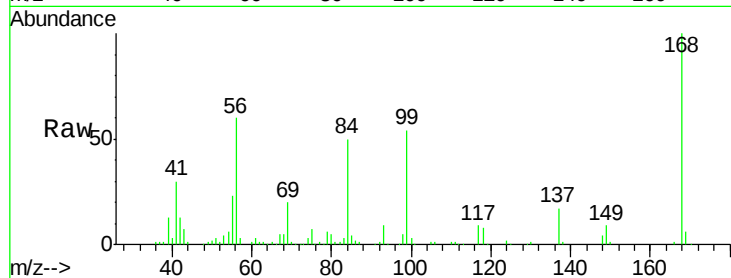
VSTDCCC050EC

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

120000

100000

80000

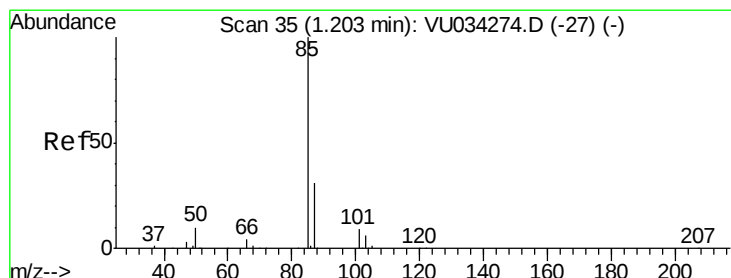
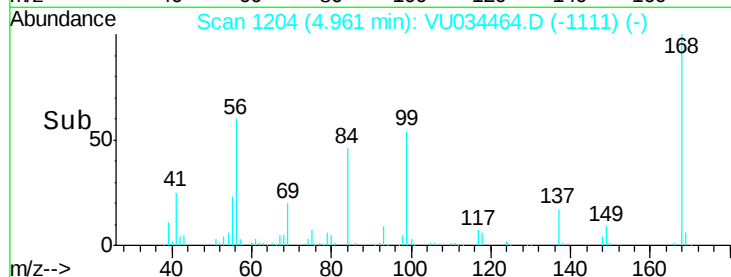
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.932 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034464.D

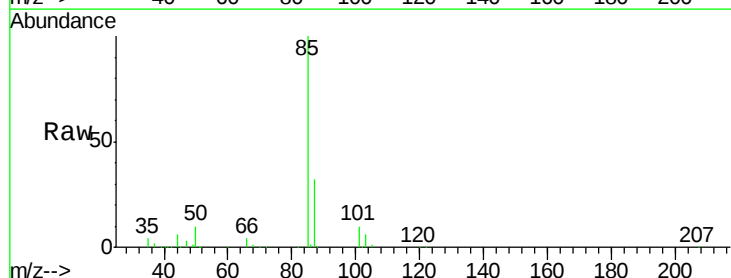
Acq: 10 Sep 2019 20:13

Tgt Ion: 85 Resp: 121274

Ion Ratio Lower Upper

85 100

87 31.7 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) (-)

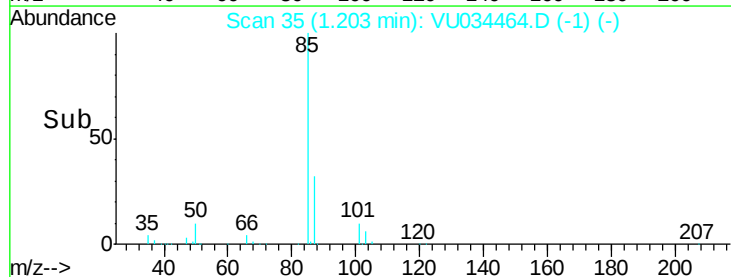
1.20

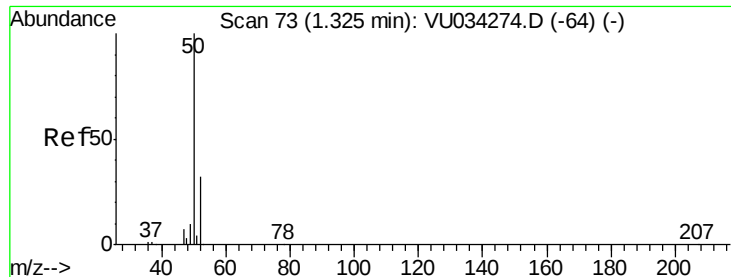
100000

50000

0

Time-->





#3

Chloromethane

Concen: 50.109 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 142938

Ion Ratio Lower Upper

50 100

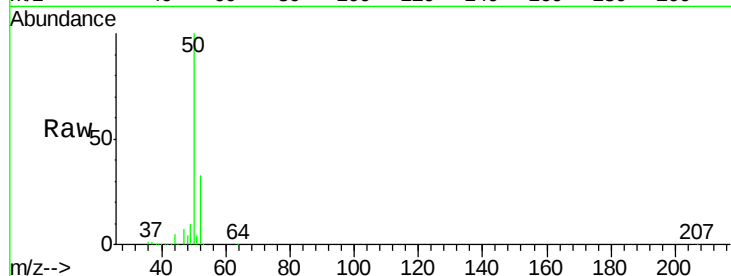
52 33.3 25.8 38.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU034464.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034464.D (-1) (-)

1.32

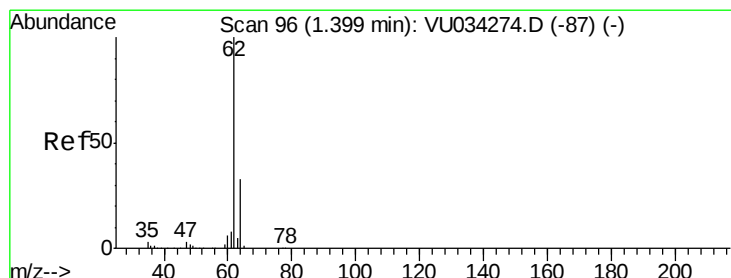
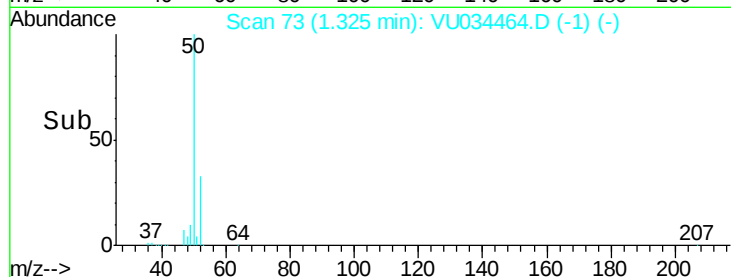
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.756 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034464.D

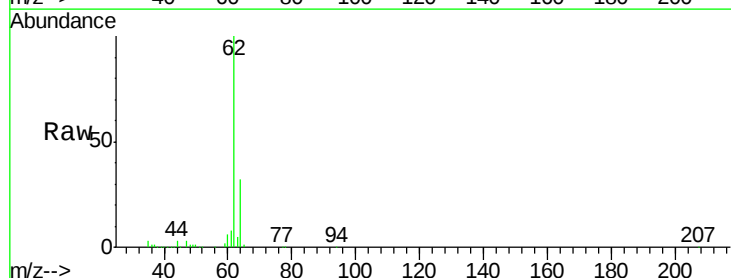
Acq: 10 Sep 2019 20:13

Tgt Ion: 62 Resp: 153833

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU034464.D (-3) (-)

Ion 63.90 (63.60 to 64.60): VU034464.D (-3) (-)

1.40

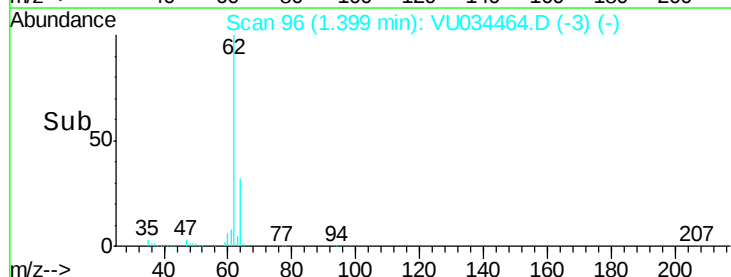
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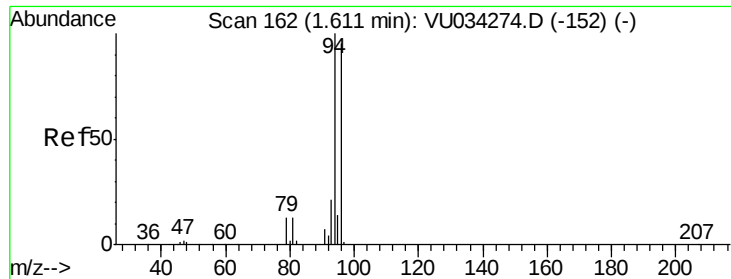
100000

50000

0

Time-->





#5

Bromomethane

Concen: 54.023 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 89638

Ion Ratio Lower Upper

94 100

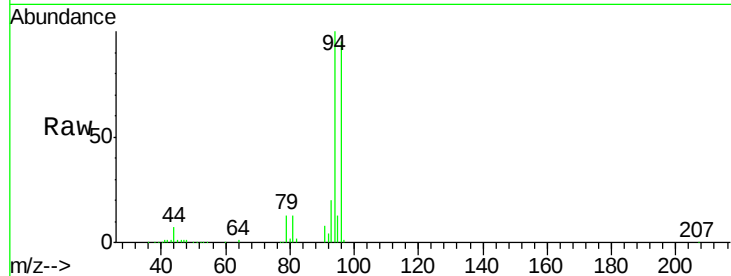
96 94.9 75.7 113.5

Manual Integrations

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9/11/2019 1:42:29 PM



Abundance Ion 93.90 (93.60 to 94.60): VU034464.D (-68) (-)

Ion 95.90 (95.60 to 96.60): VU034464.D (-68) (-)

1.61

80000

60000

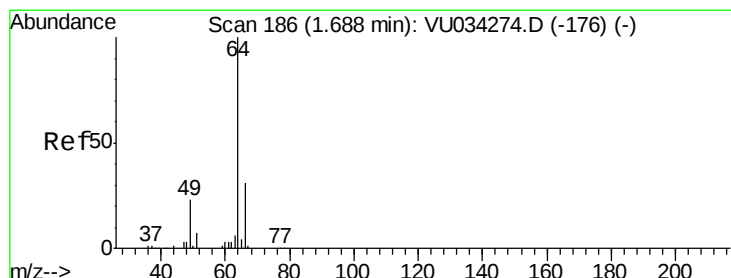
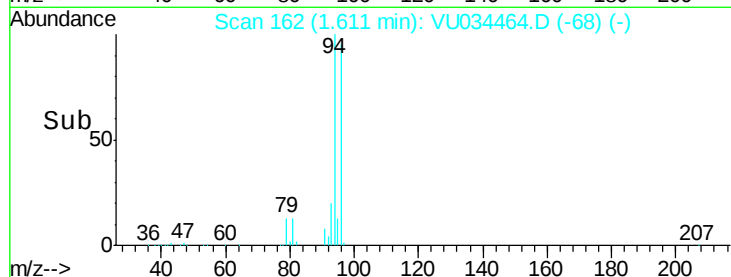
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 53.131 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034464.D

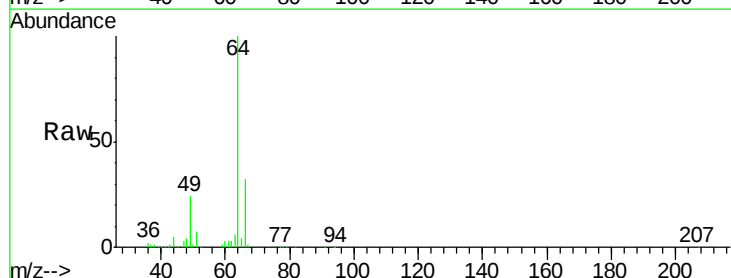
Acq: 10 Sep 2019 20:13

Tgt Ion: 64 Resp: 101482

Ion Ratio Lower Upper

64 100

66 32.5 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034464.D (-93) (-)

Ion 65.90 (65.60 to 66.60): VU034464.D (-93) (-)

1.69

80000

60000

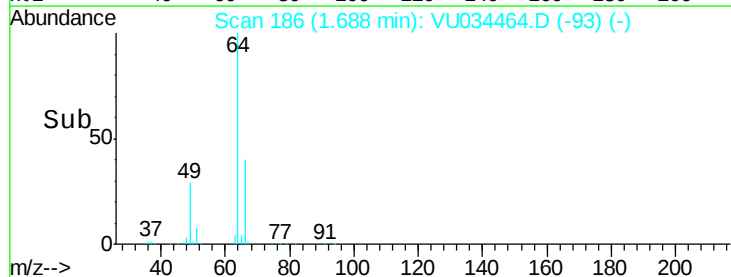
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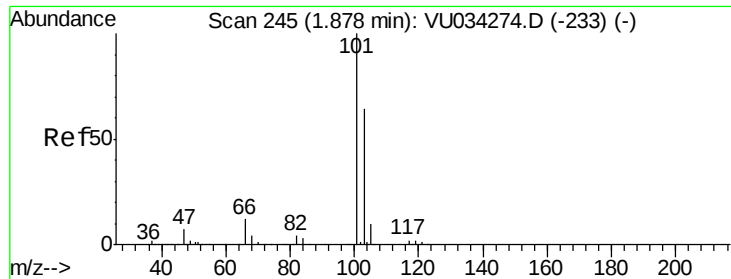
20000

0

1.65 1.70 1.75

Time-->





#7

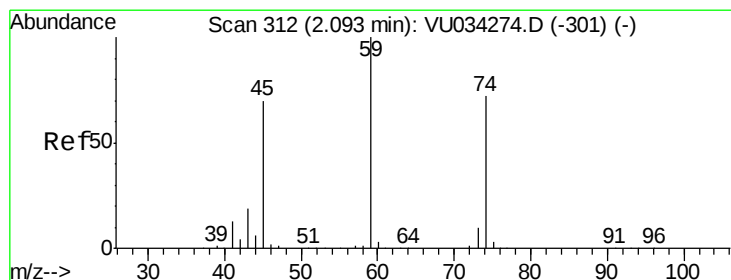
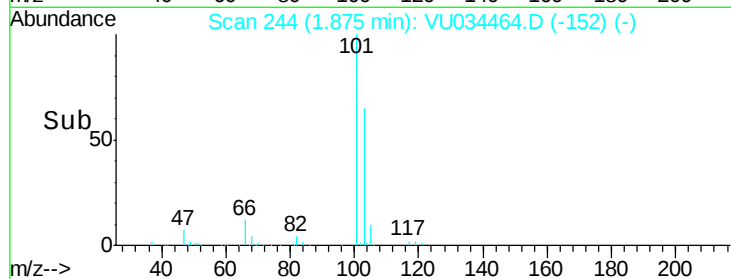
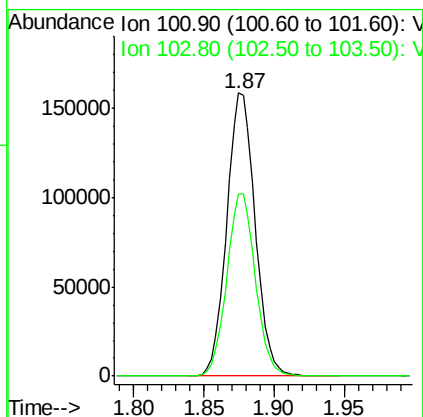
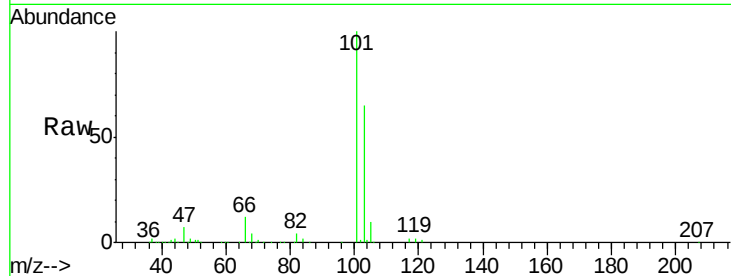
Trichlorofluoromethane
 Concen: 50.609 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.0	76.6

Manual Integrations
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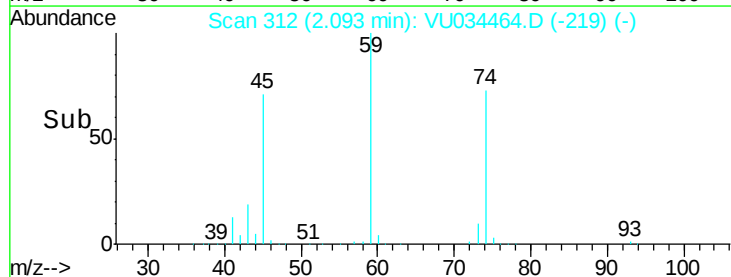
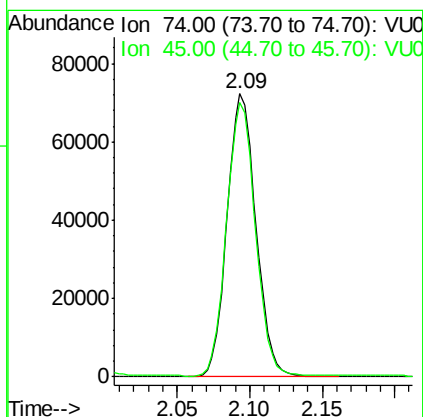
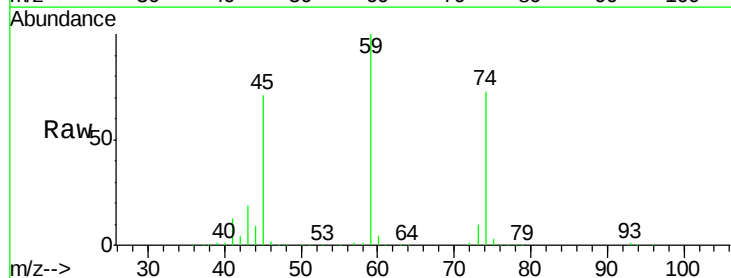
MMDadoda
 9/11/2019 1:42:29 PM

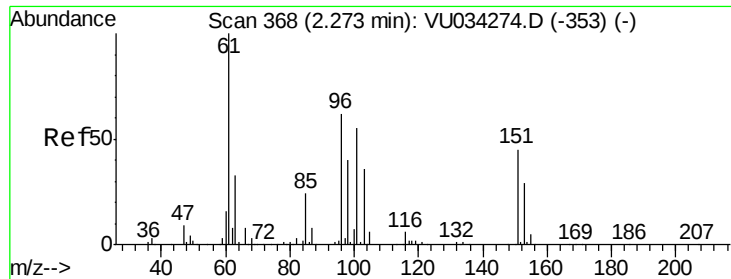


#8

Diethyl Ether
 Concen: 51.460 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.169 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Instrument :

MSVOA_U

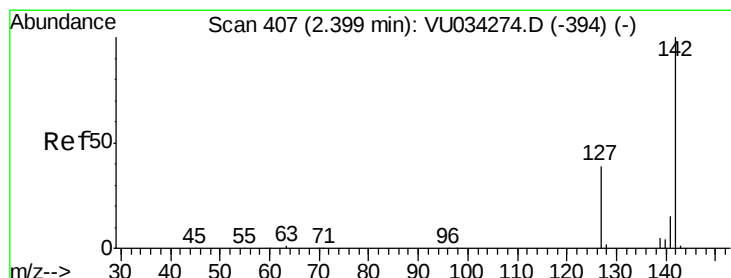
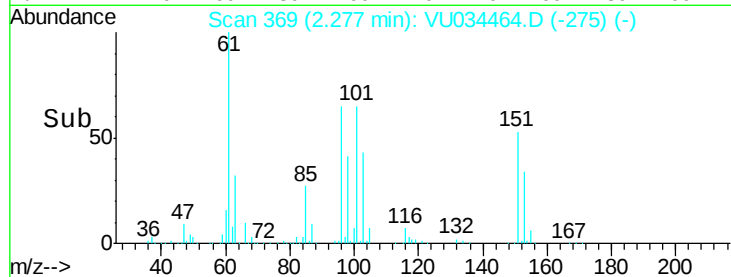
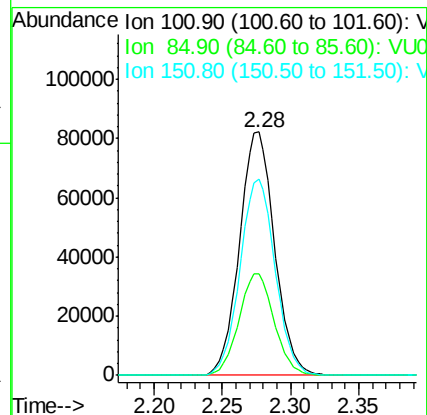
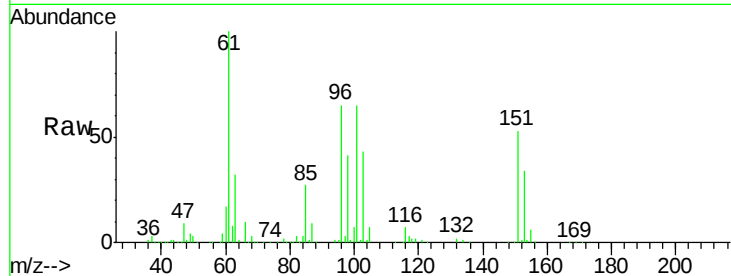
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	146587
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.4	51.6
151	80.9	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 44.795 ug/l

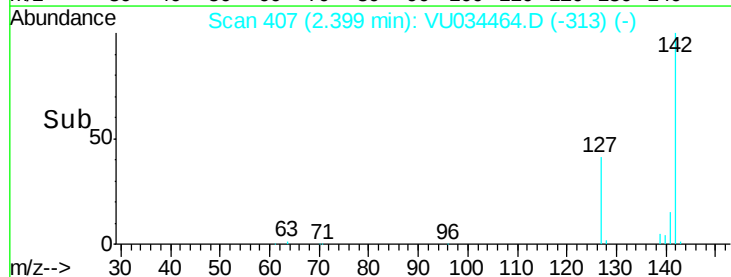
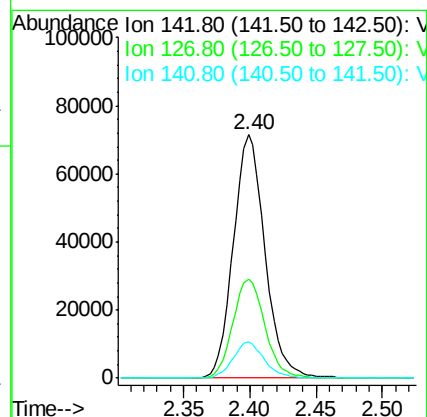
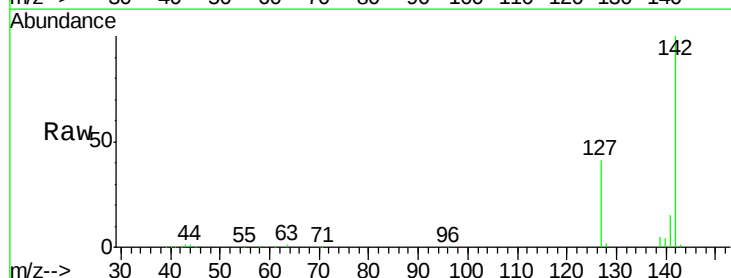
RT: 2.40 min Scan# 407

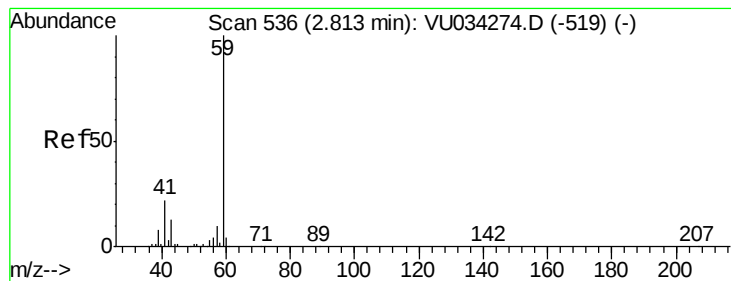
Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Tgt Ion:	142	Resp:	118586
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.1	48.1
141	14.7	11.5	17.3





#11

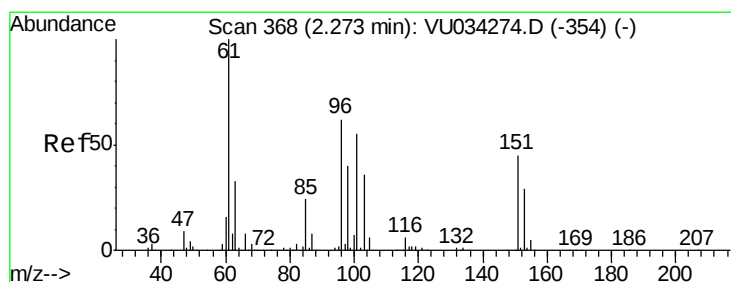
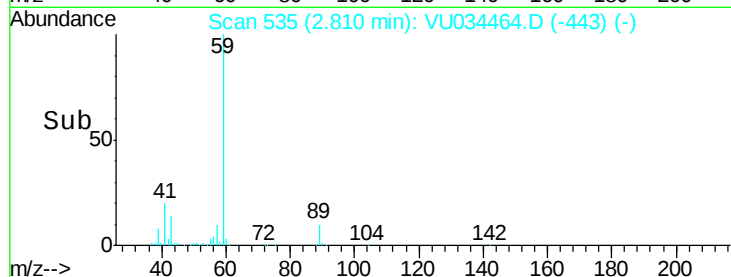
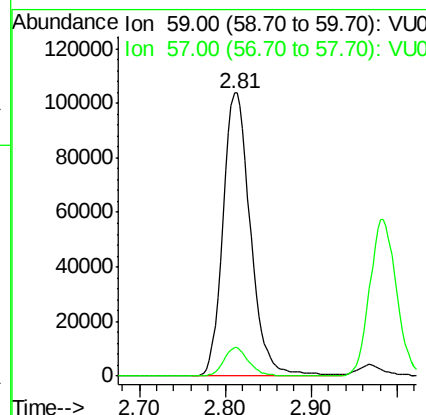
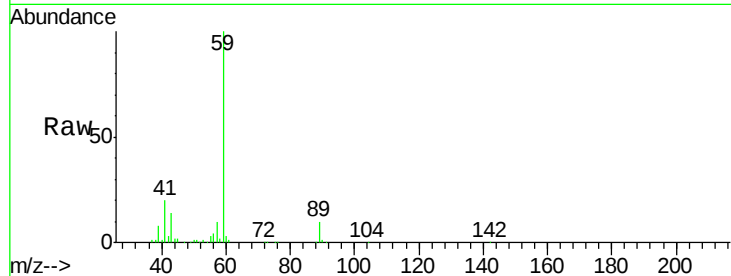
Tert butyl alcohol
 Concen: 286.956 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.9	11.9

Manual Integrations
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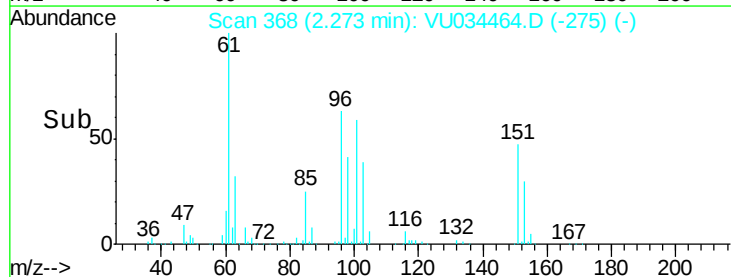
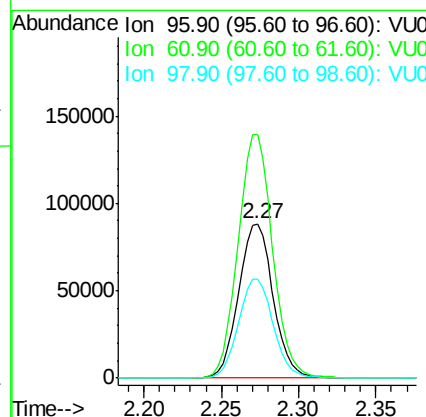
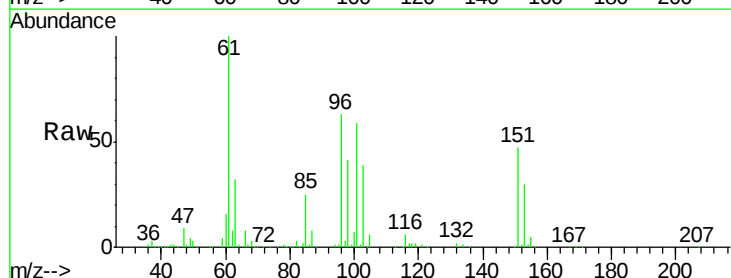
MMDadoda
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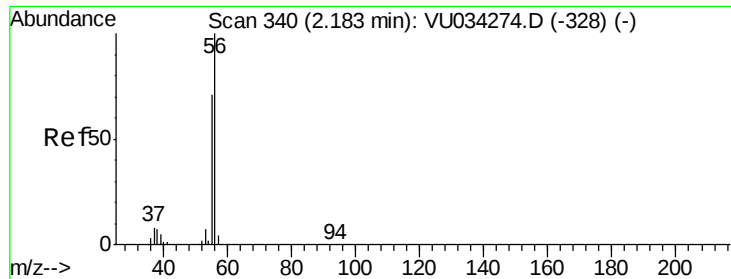


#12

1,1-Dichloroethene
 Concen: 49.748 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.8	130.0	195.0
98	64.2	52.2	78.4





#13

Acrolein

Concen: 147.020 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 99716

Ion Ratio Lower Upper

56 100

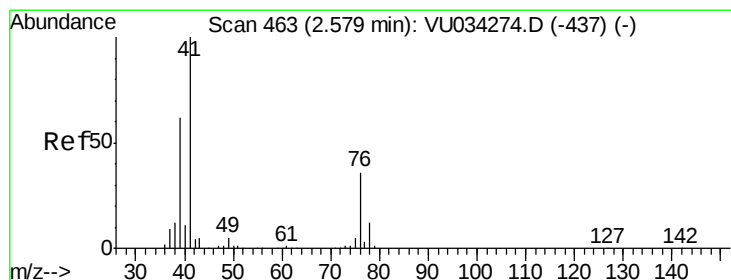
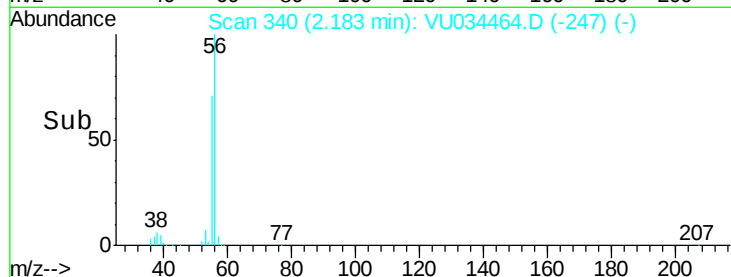
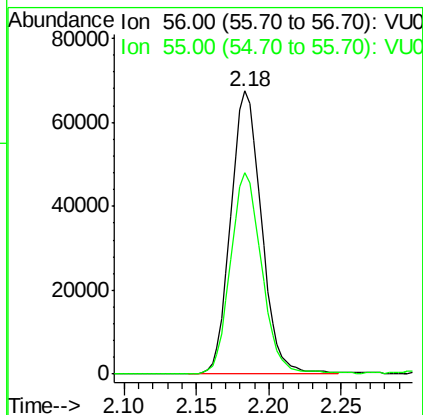
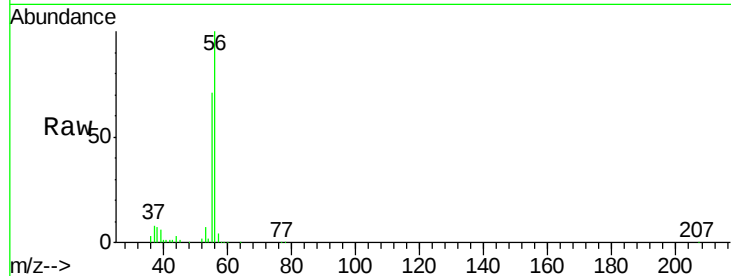
55 72.3 57.4 86.2

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 49.192 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

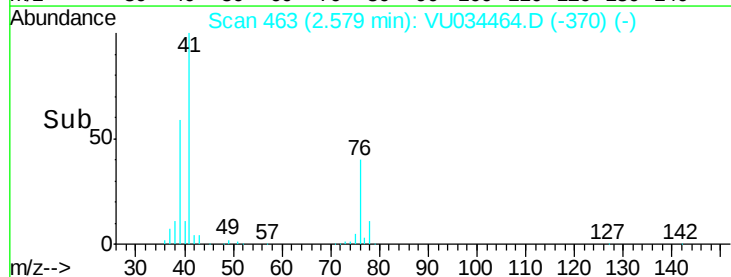
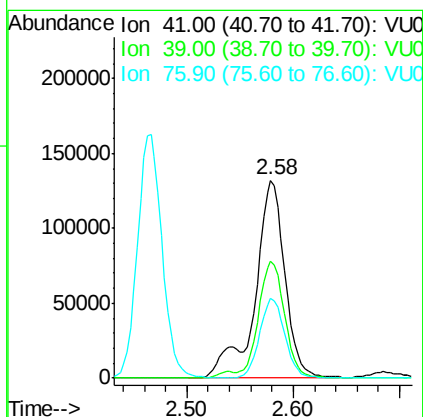
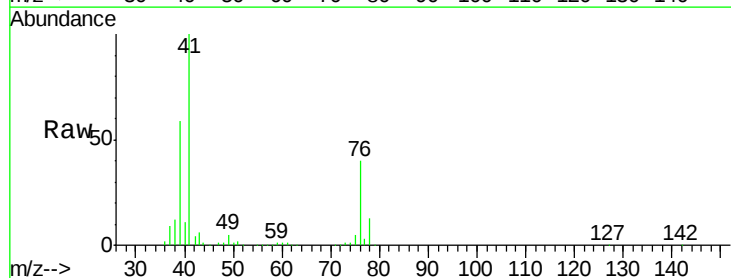
Tgt Ion: 41 Resp: 258319

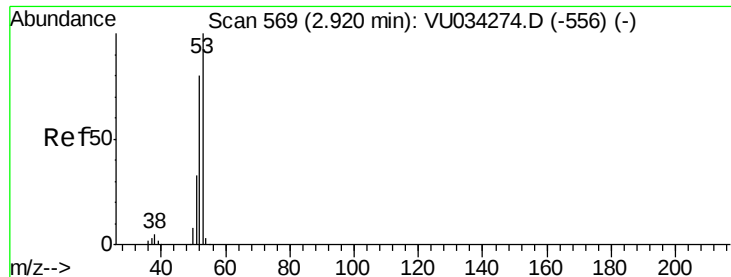
Ion Ratio Lower Upper

41 100

39 51.0 43.5 65.3

76 33.7 27.0 40.6





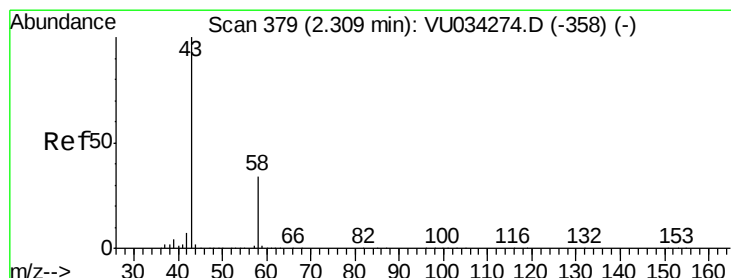
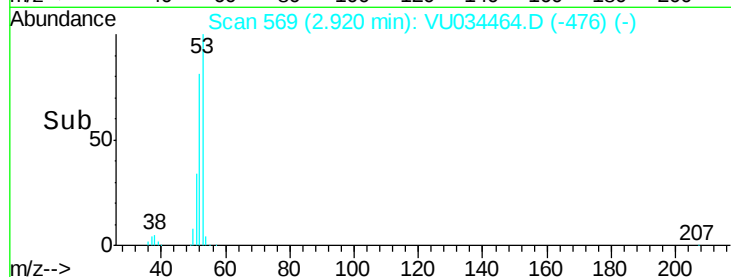
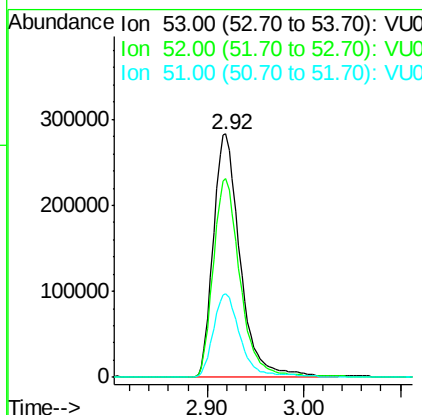
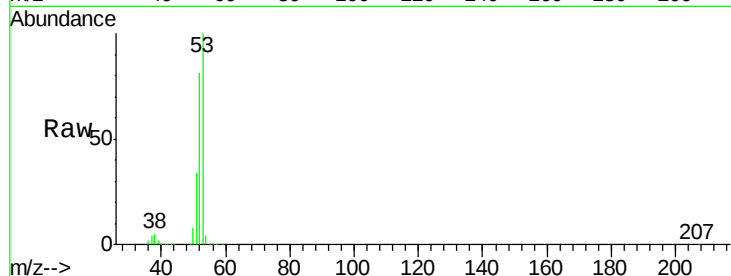
#15
 Acrylonitrile
 Concen: 272.318 ug/l
 RT: 2.92 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.9	64.1	96.1
51	35.0	27.4	41.0

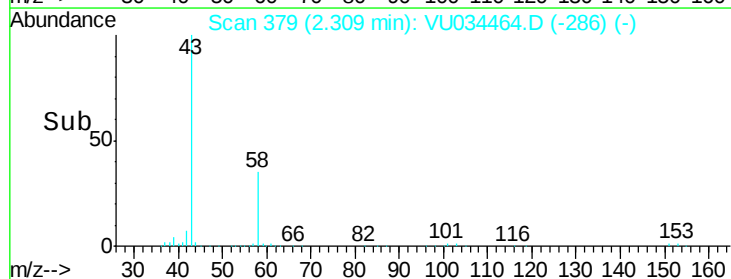
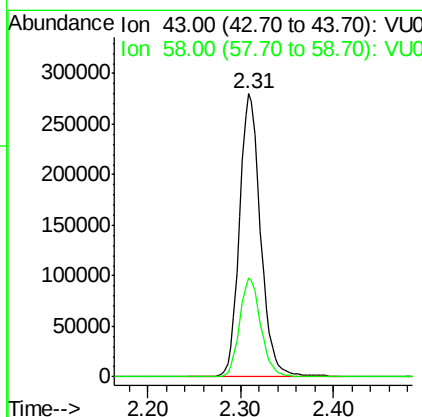
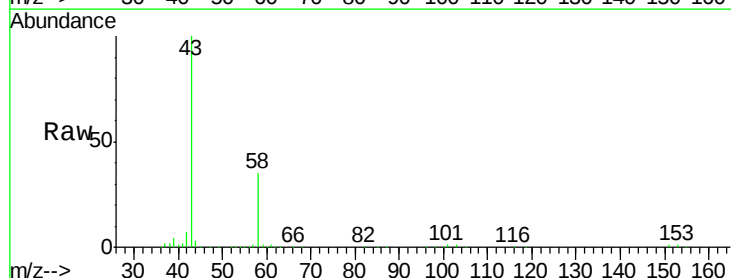
Manual Integrations
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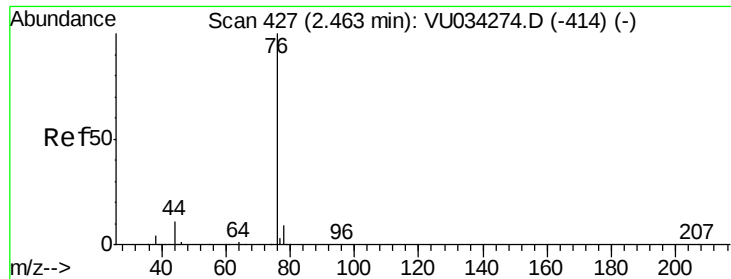
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#16
 Acetone
 Concen: 223.219 ug/l
 RT: 2.31 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.6	41.4





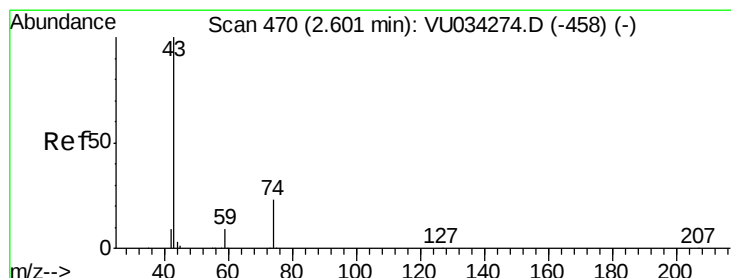
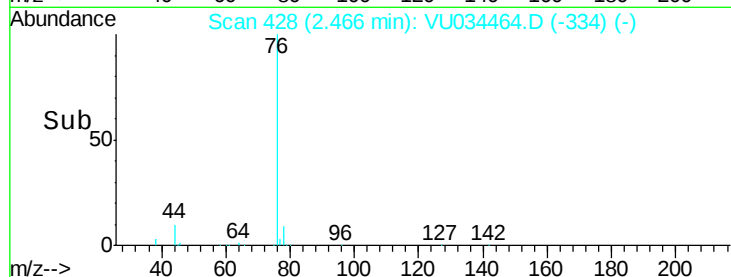
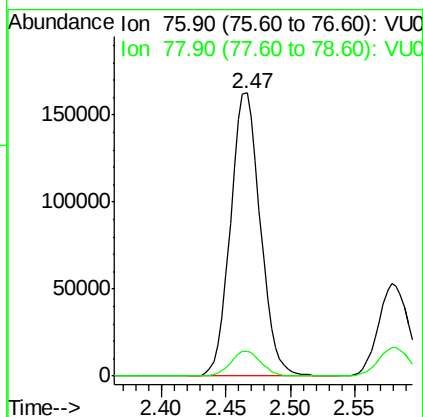
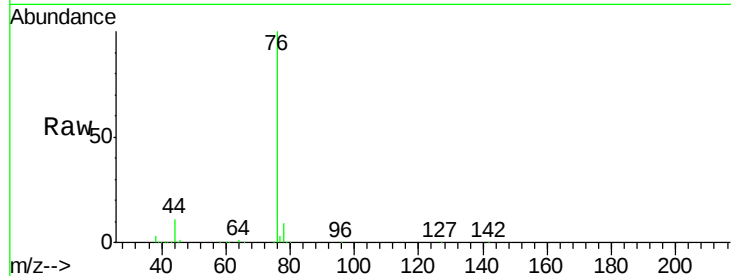
#17
Carbon Disulfide
Concen: 42.398 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

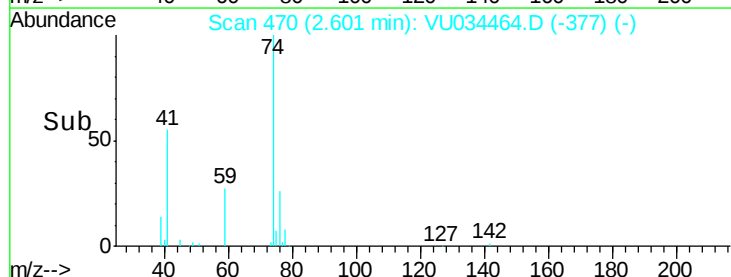
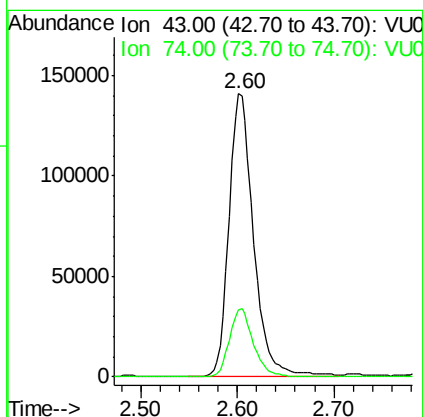
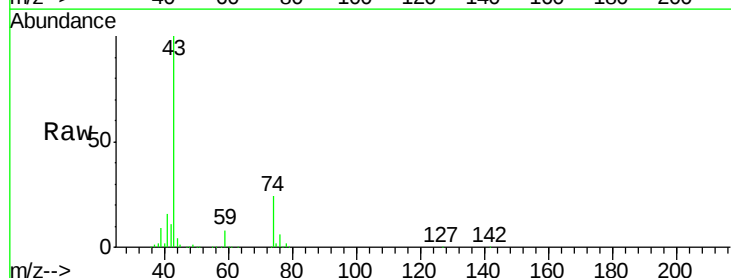
Manual Integrations
APPROVED

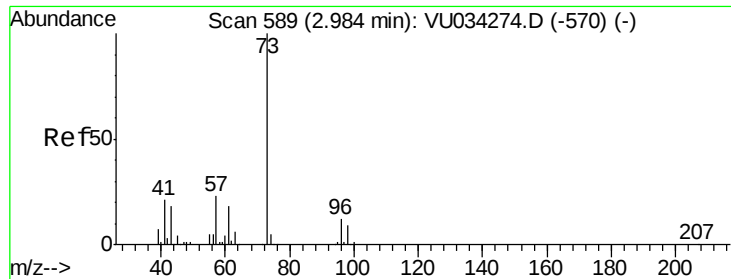
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#18
Methyl Acetate
Concen: 51.445 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.9	28.3





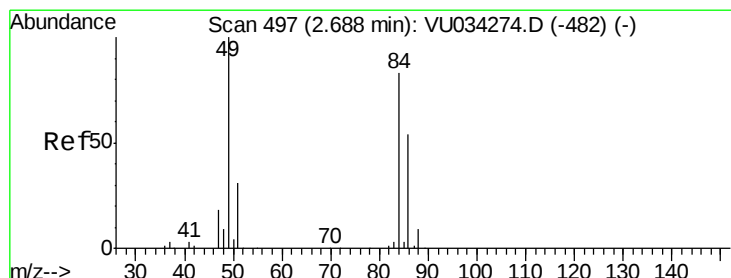
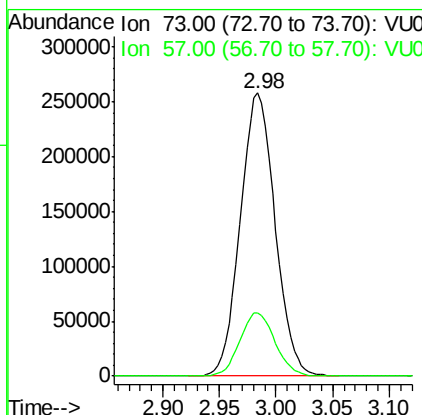
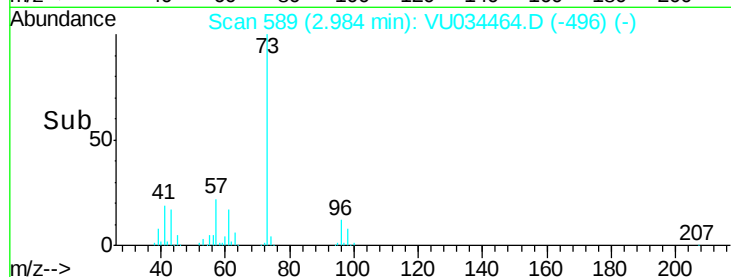
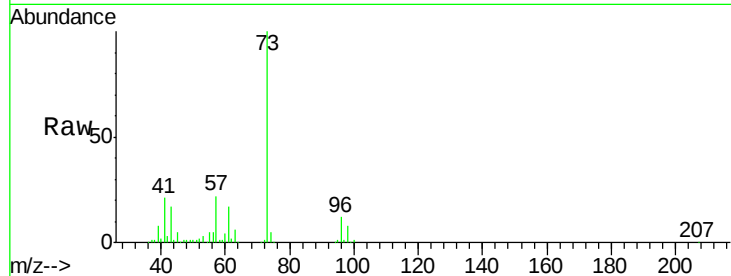
#19
Methvl tert-butvl Ether
Concen: 55.177 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 552410
Ion Ratio Lower Upper
73 100
57 22.2 18.2 27.4

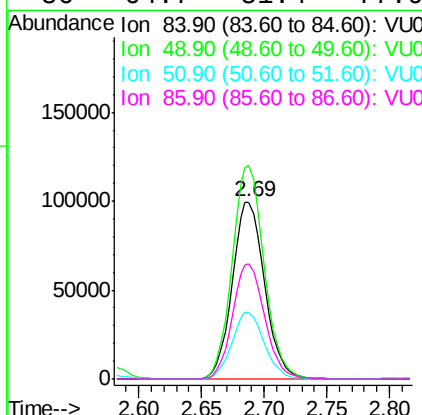
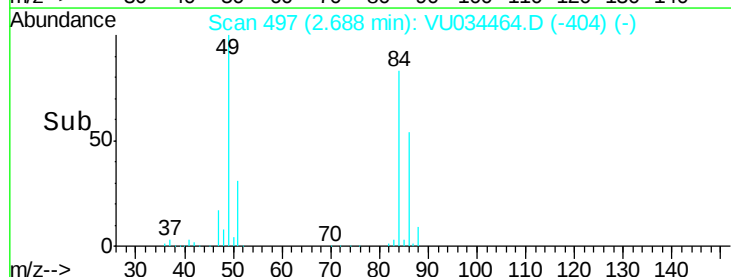
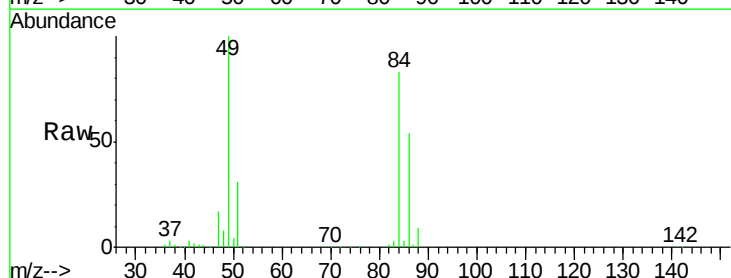
Manual Integrations
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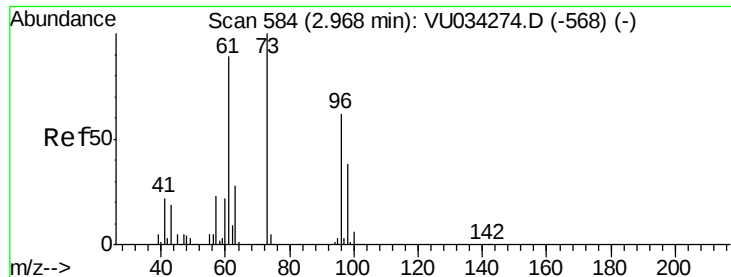
MMDadoda
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#20
Methylene Chloride
Concen: 55.023 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Tgt Ion: 84 Resp: 178017
Ion Ratio Lower Upper
84 100
49 120.6 96.0 144.0
51 37.9 30.0 45.0
86 64.7 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 50.759 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 146922

Ion Ratio Lower Upper

96 100

61 137.6 114.8 172.2

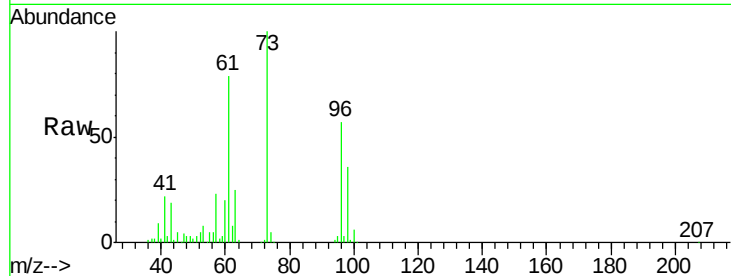
98 62.2 49.8 74.8

Manual Integrations

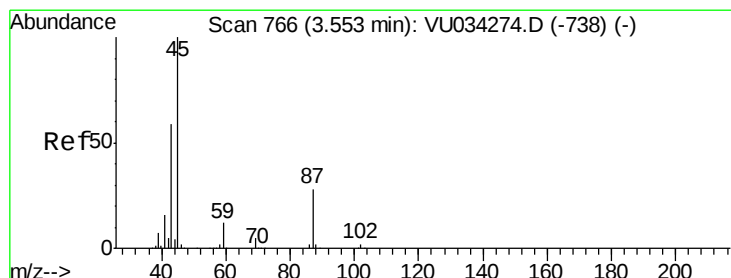
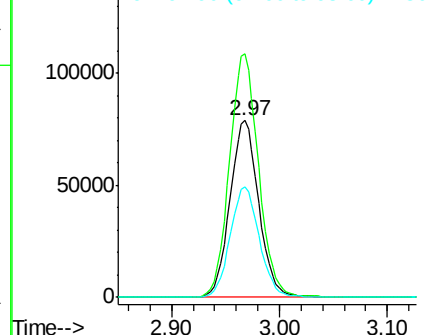
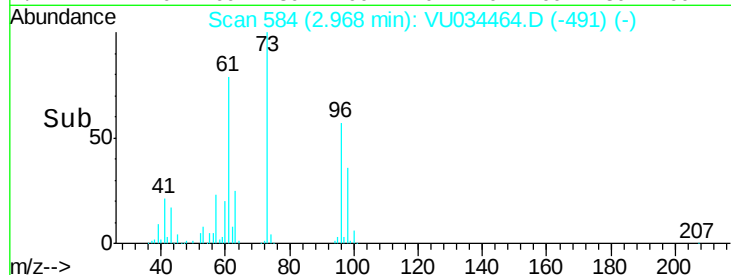
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Abundance Ion 95.90 (95.60 to 96.60): VU034464.D (-491) (-)



#22

Diisopropyl ether

Concen: 55.489 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Tgt Ion: 45 Resp: 568240

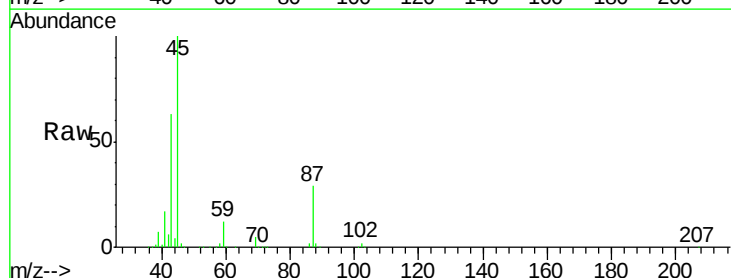
Ion Ratio Lower Upper

45 100

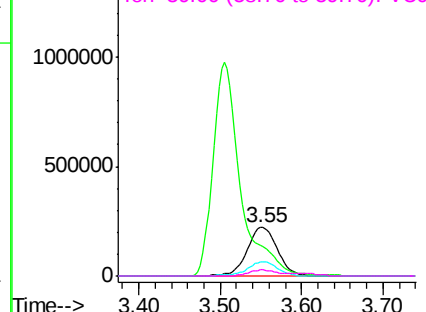
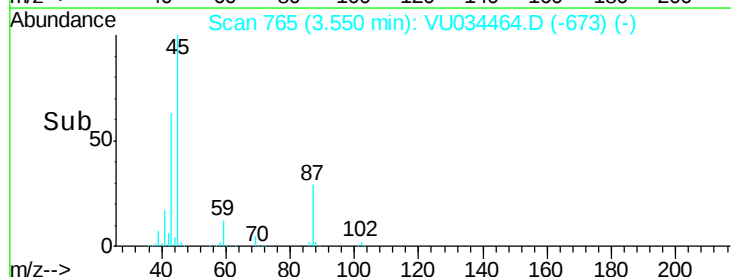
43 62.1 47.5 71.3

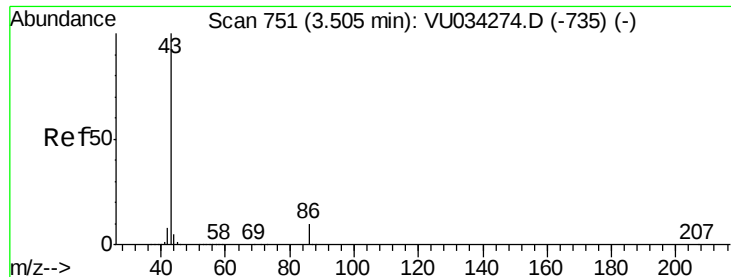
87 29.0 22.2 33.4

59 12.2 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VU034464.D (-673) (-)





#23

Vinyl Acetate

Concen: 277.627 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2315853

Ion Ratio Lower Upper

43 100

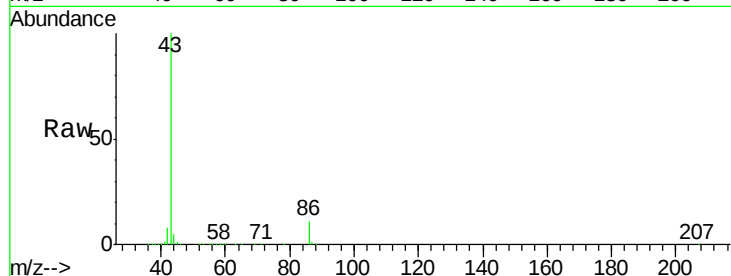
86 10.7 8.3 12.5

Manual Integrations

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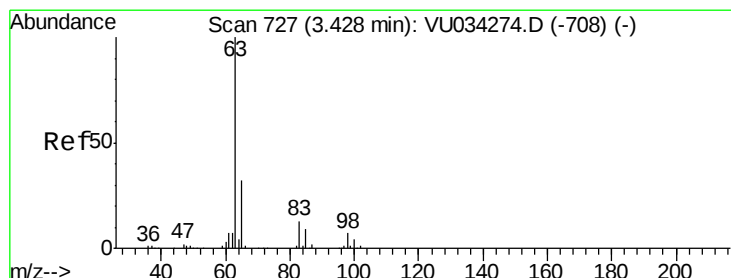
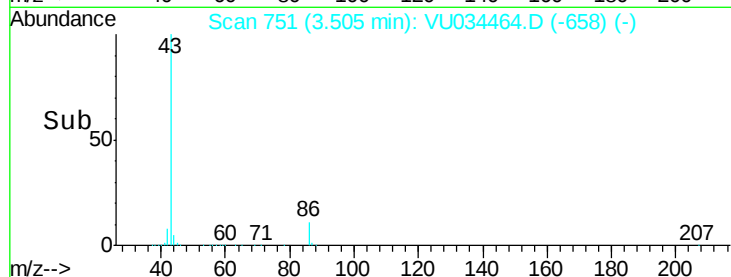
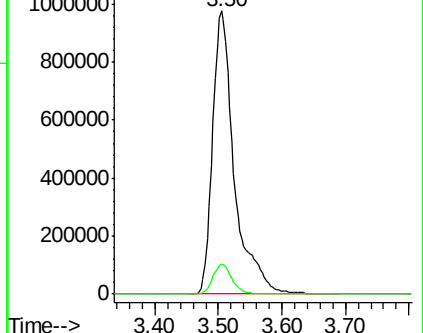
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU034464.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034464.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 52.173 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

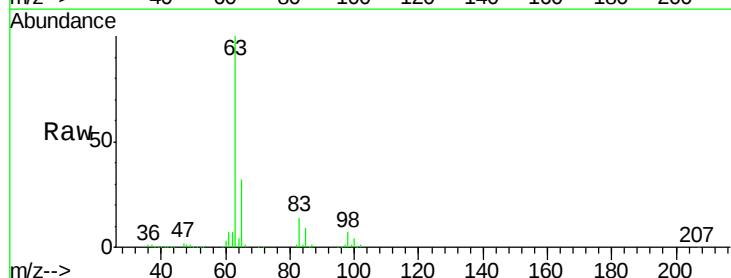
Tgt Ion: 63 Resp: 319069

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

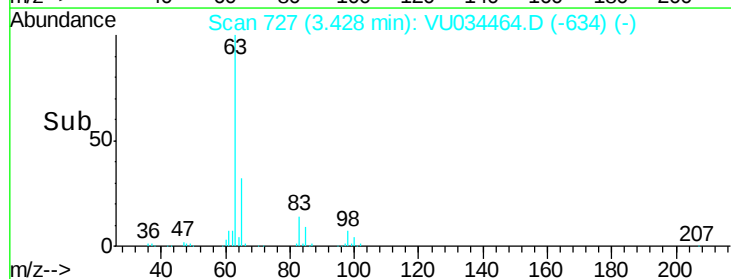
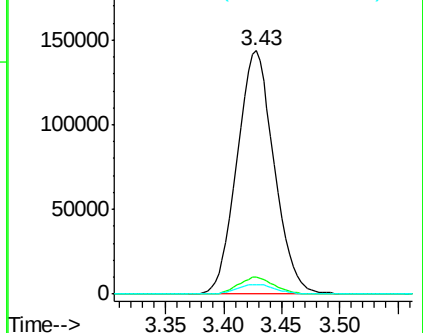
100 4.1 2.1 6.5

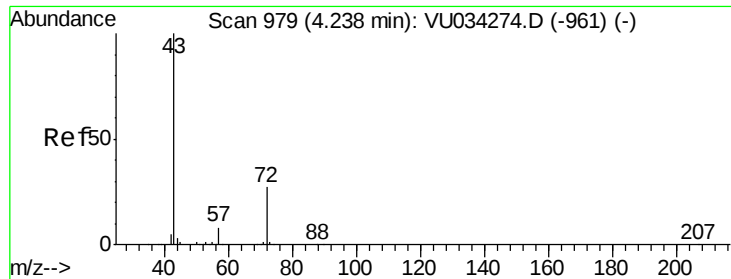


Abundance Ion 62.90 (62.60 to 63.60): VU034464.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034464.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034464.D (-634) (-)





#25

2-Butanone

Concen: 268.552 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 708605

Ion Ratio Lower Upper

43 100

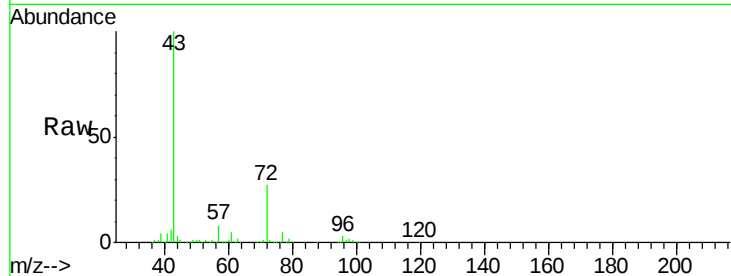
72 27.4 21.8 32.6

Manual Integrations

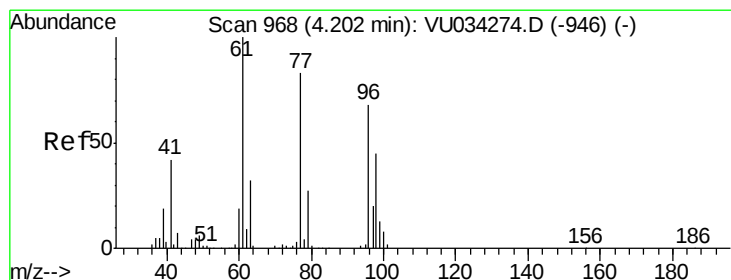
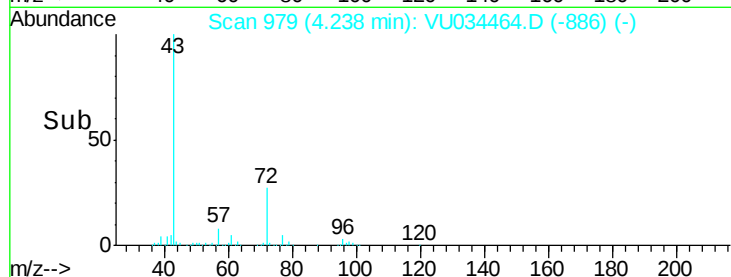
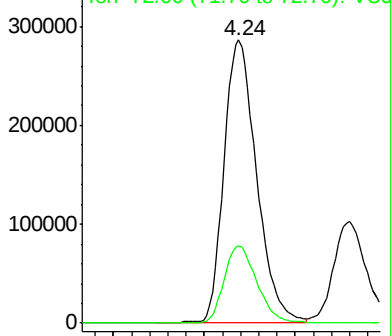
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Abundance Ion 43.00 (42.70 to 43.70): VU034464.D (-886) (-)



#26

2,2-Dichloropropane

Concen: 49.669 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034464.D

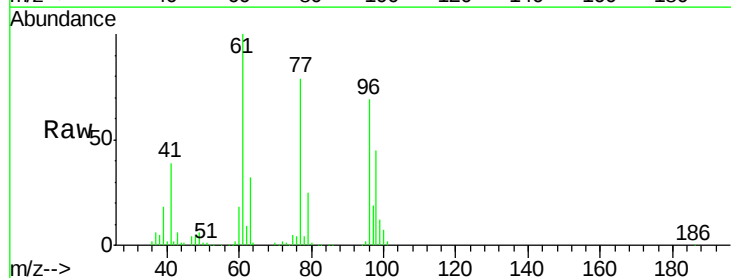
Acq: 10 Sep 2019 20:13

Tgt Ion: 77 Resp: 244302

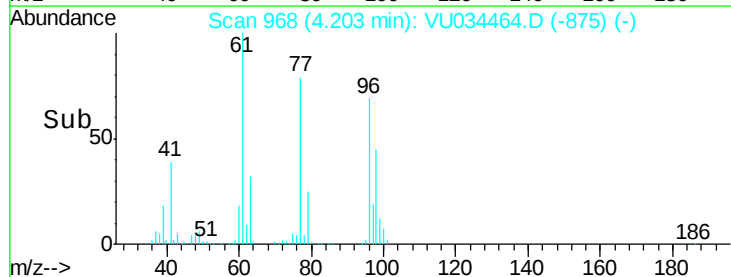
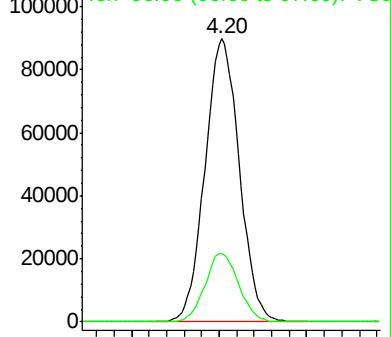
Ion Ratio Lower Upper

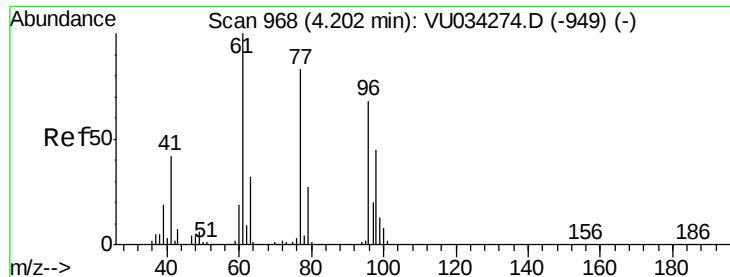
77 100

97 23.7 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034464.D (-875) (-)





#27

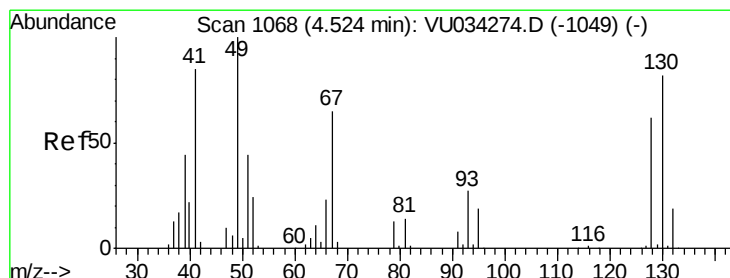
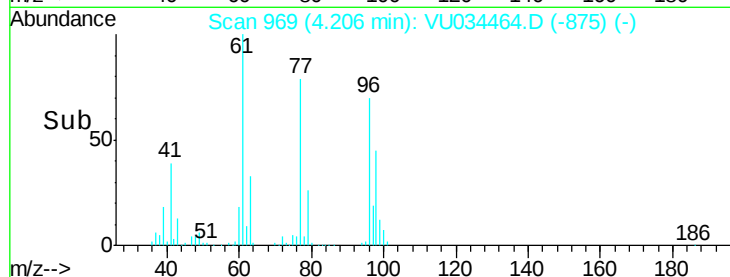
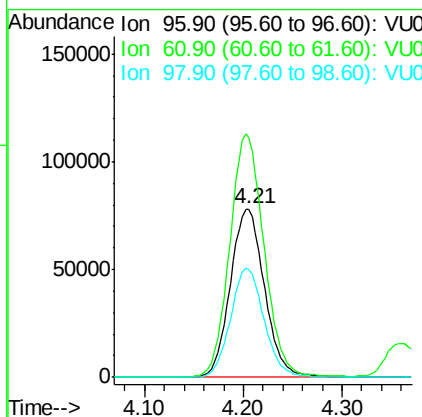
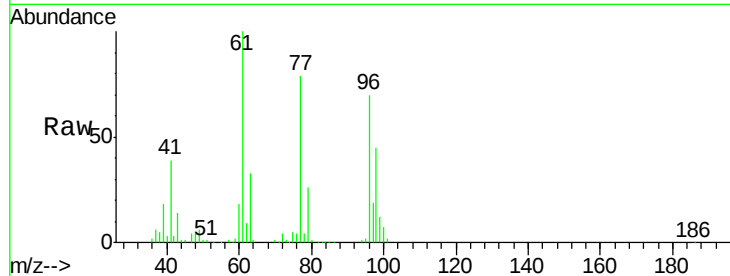
cis-1,2-Dichloroethene
 Concen: 53.674 ug/l
 RT: 4.21 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	188689		
61	144.8	0.0	297.4	
98	63.4	0.0	130.0	

Manual Integrations
 APPROVED

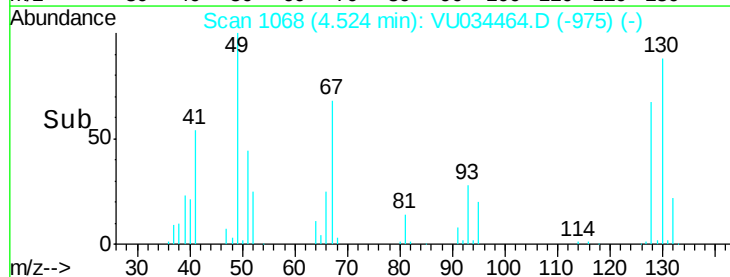
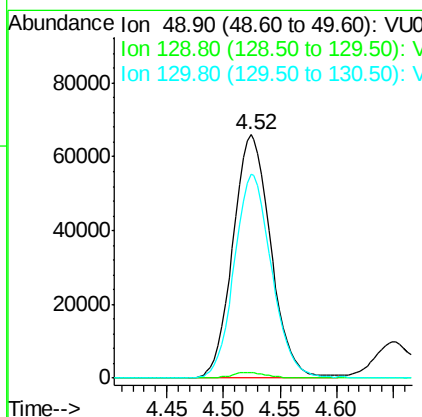
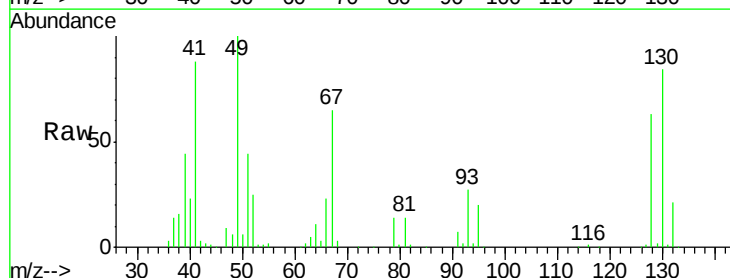
MMDadoda
 9/11/2019 1:42:29 PM

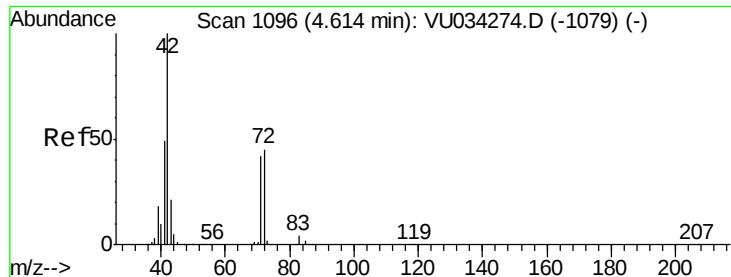


#28

Bromochloromethane
 Concen: 54.737 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	153971		
129	2.0	0.0	3.8	
130	82.6	65.2	97.8	





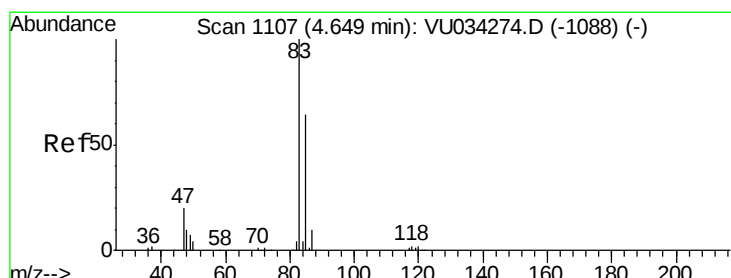
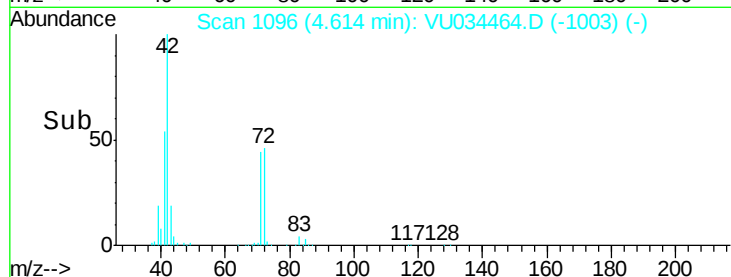
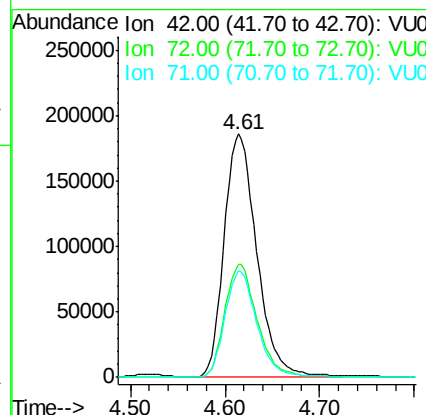
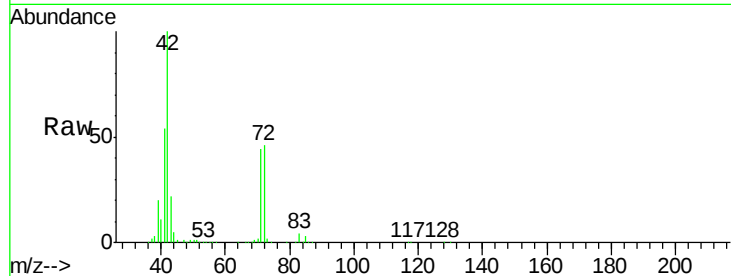
#29
Tetrahydrofuran
Concen: 276.719 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	36.6	54.8
71	43.1	34.3	51.5

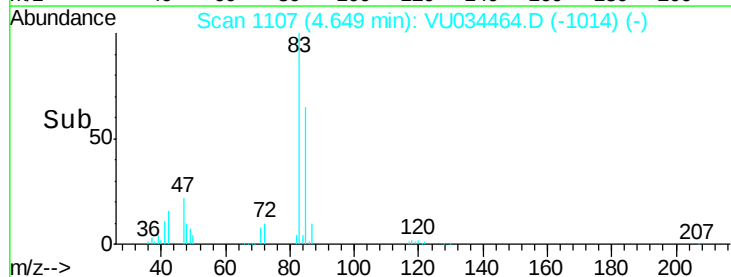
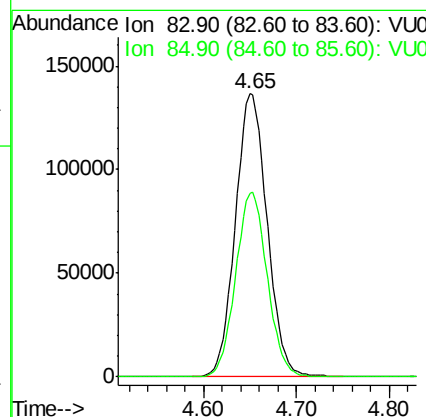
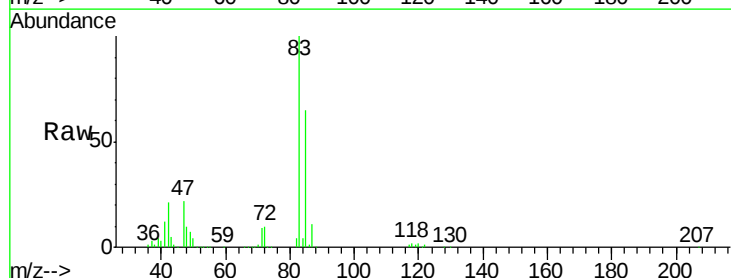
Manual Integrations
APPROVED

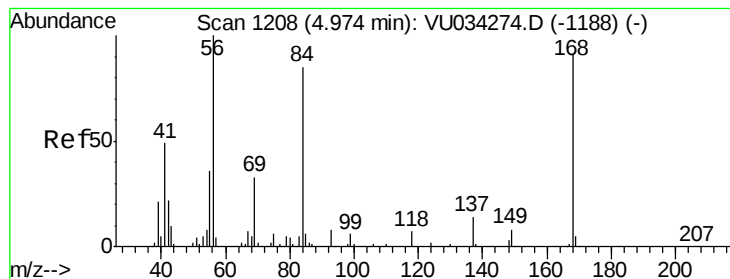
MMDadoda
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#30
Chloroform
Concen: 52.238 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.5	77.3





#31

Cyclohexane

Concen: 47.469 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 212383

Ion Ratio Lower Upper

56 100

69 32.8 26.7 40.1

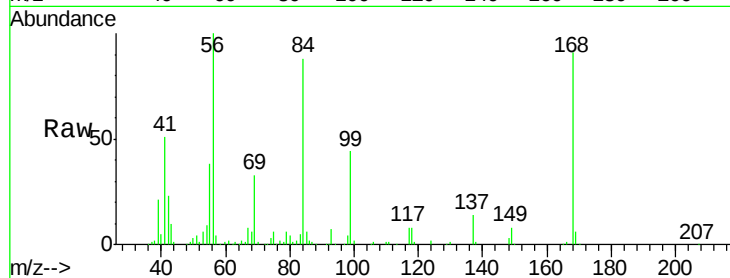
84 86.9 68.2 102.4

Manual Integrations

APPROVED

MMDadoda

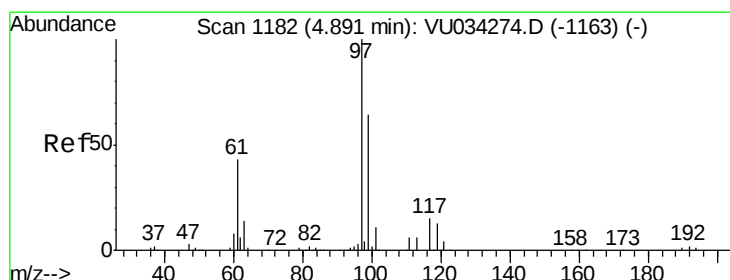
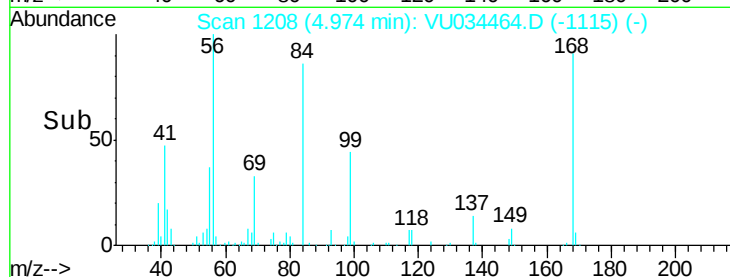
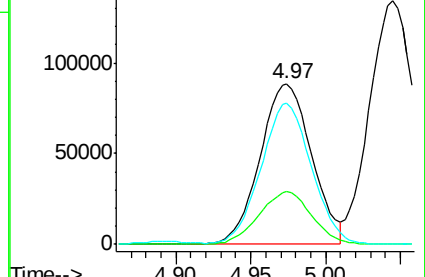
9/11/2019 1:42:29 PM



Abundance Ion 56.00 (55.70 to 56.70): VU034464.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034464.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034464.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 53.050 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

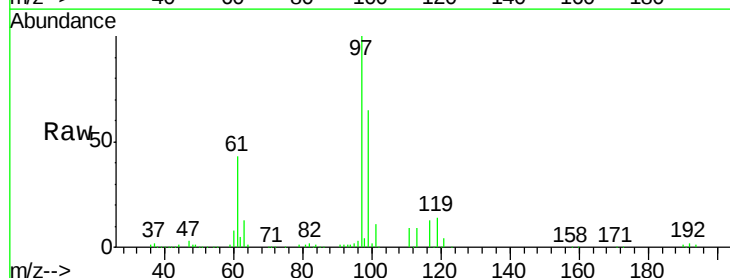
Tgt Ion: 97 Resp: 263663

Ion Ratio Lower Upper

97 100

99 63.9 50.9 76.3

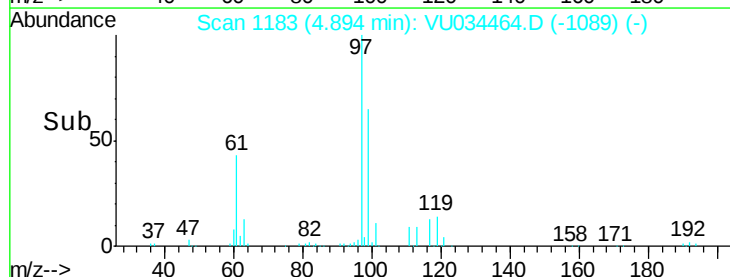
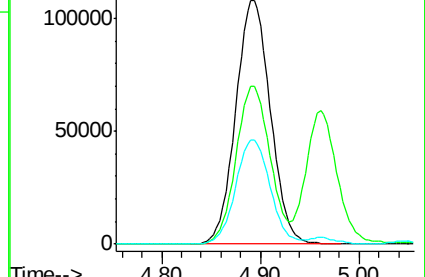
61 42.7 34.7 52.1

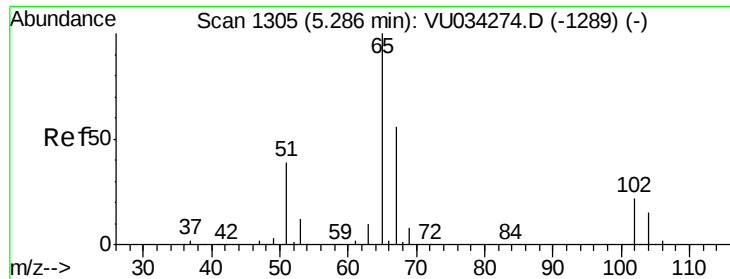


Abundance Ion 96.90 (96.60 to 97.60): VU034464.D (-1163) (-)

Ion 98.90 (98.60 to 99.60): VU034464.D (-1163) (-)

Ion 60.90 (60.60 to 61.60): VU034464.D (-1163) (-)





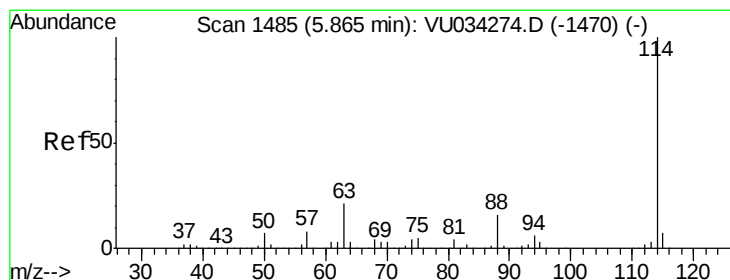
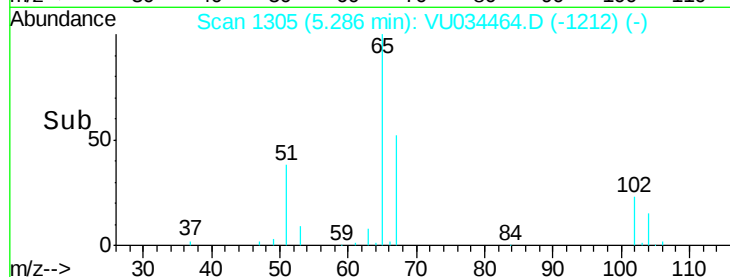
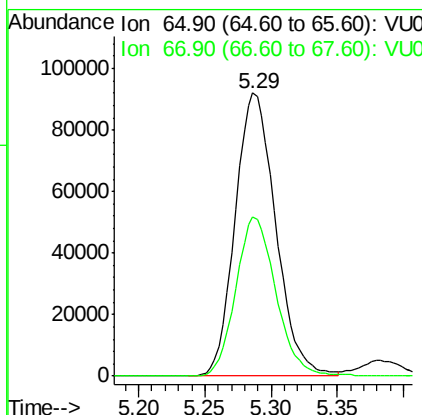
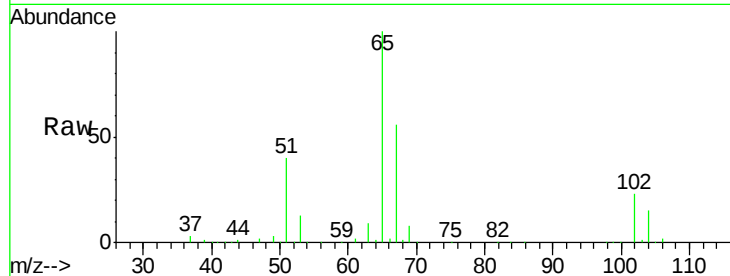
#33
 1,2-Dichloroethane-d4
 Concen: 51.350 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	196143		
67	55.6	0.0	112.4	

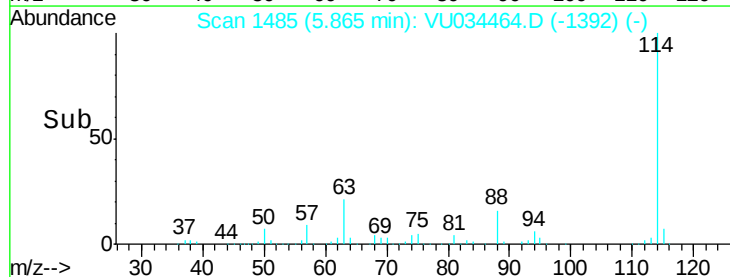
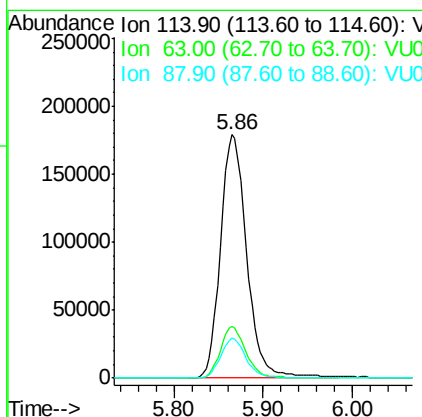
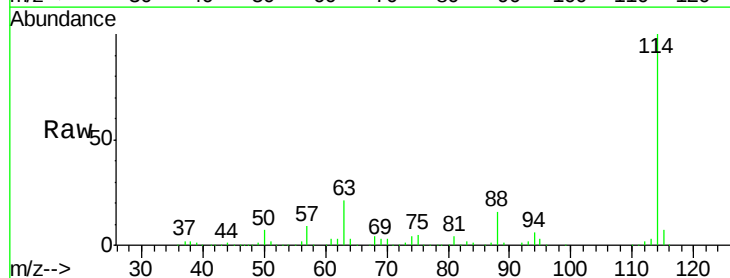
Manual Integrations
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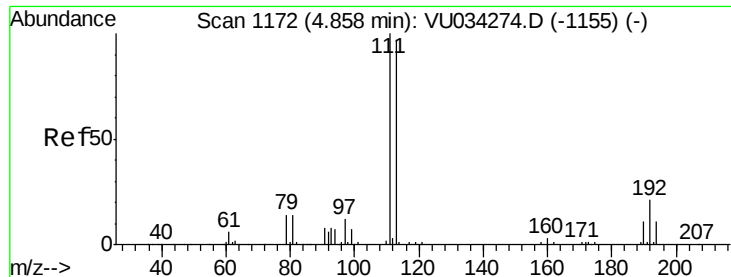
MMDadoda
 9/11/2019 1:42:29 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	366446		
63	21.3	0.0	42.4	
88	16.4	0.0	32.4	





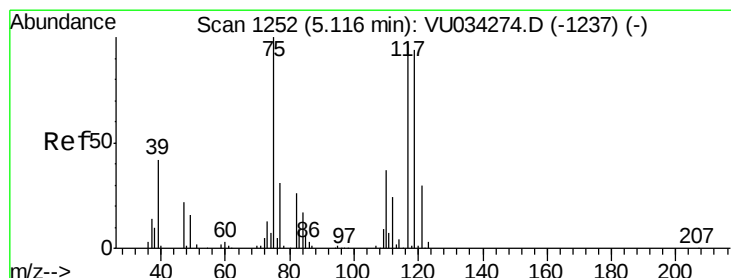
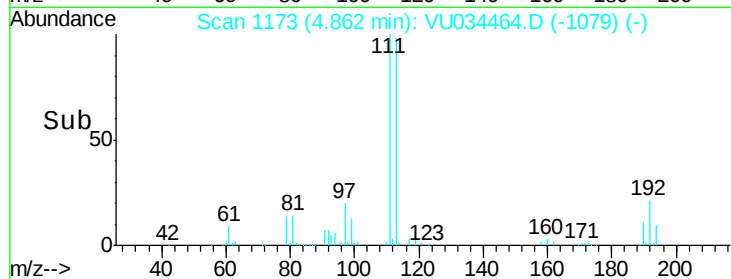
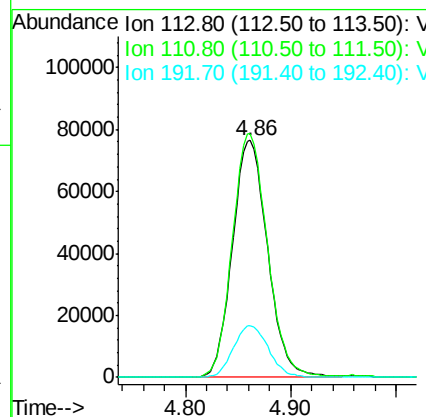
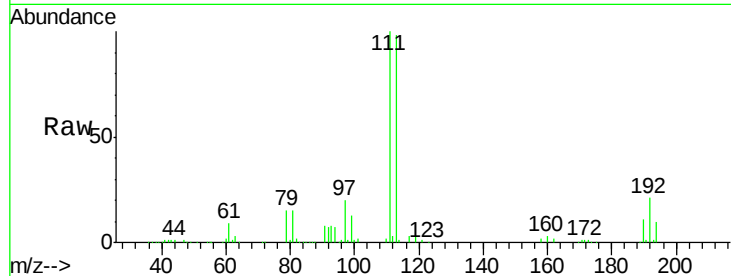
#35
 Dibromofluoromethane
 Concen: 51.963 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	177184		
111	102.5	81.5	122.3	
192	21.8	17.8	26.8	

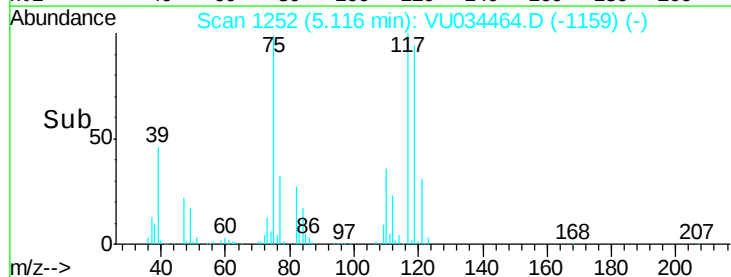
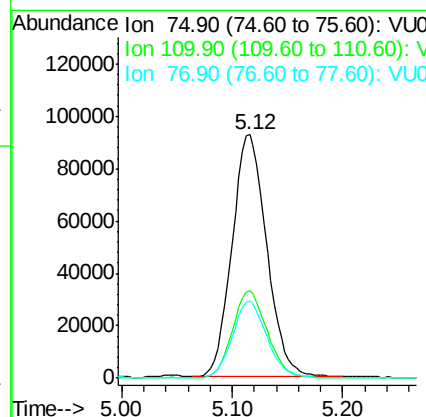
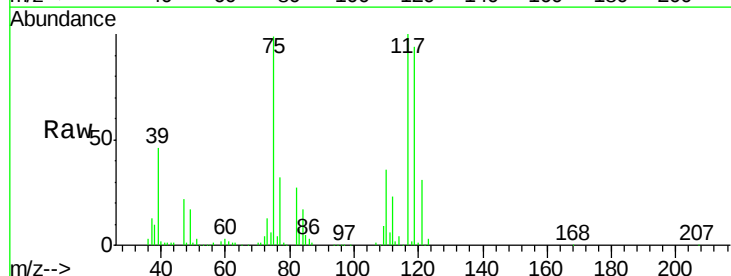
Manual Integrations
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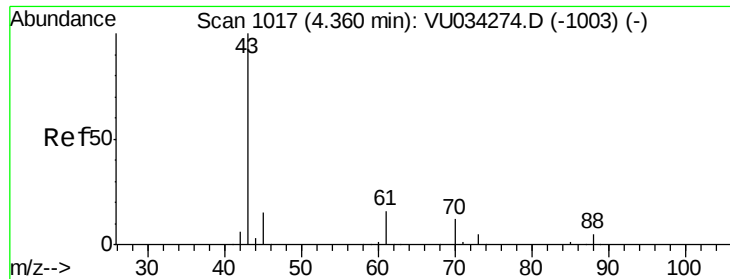
MMDadoda
 9/11/2019 1:42:29 PM



#36
 1,1-Dichloropropene
 Concen: 50.613 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	201142		
110	36.3	18.3	54.9	
77	31.6	24.9	37.3	





#37

Ethyl Acetate

Concen: 54.271 ug/l

RT: 4.36 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Instrument :

MSVOA_U

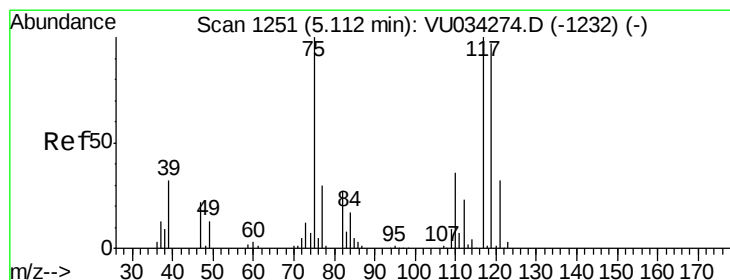
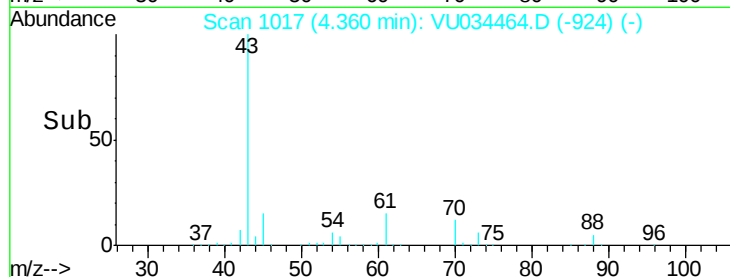
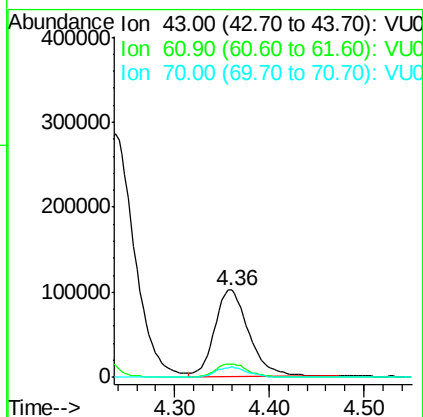
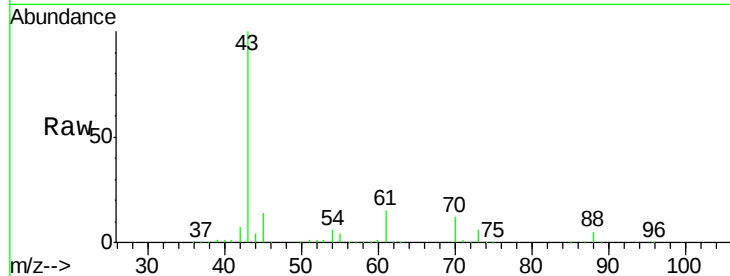
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	255003
Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.3	18.5
70	11.5	9.1	13.7

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 52.110 ug/l

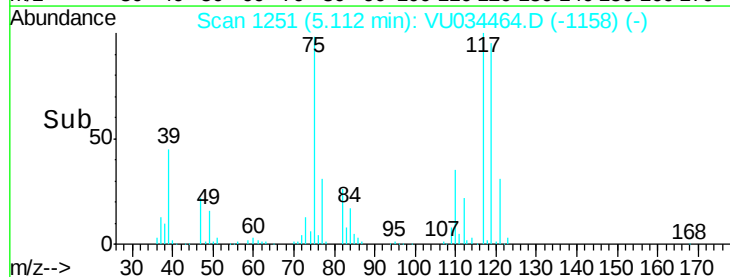
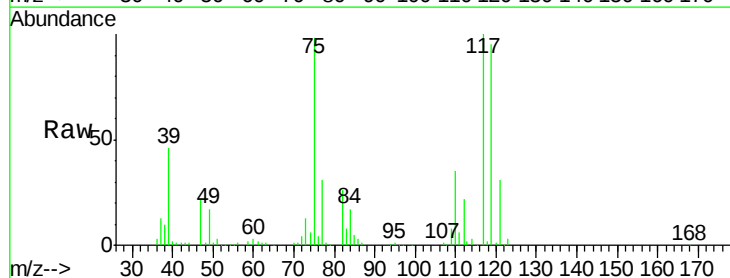
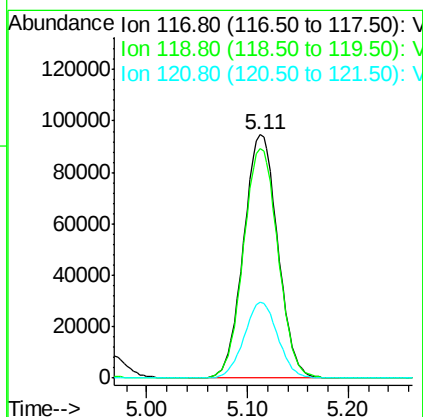
RT: 5.11 min Scan# 1251

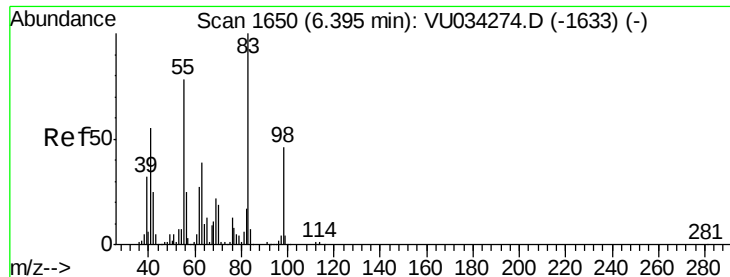
Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Tgt Ion:	117	Resp:	221119
Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.8	116.6
121	31.3	25.2	37.8





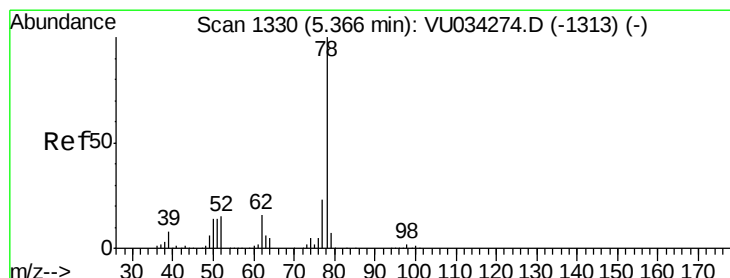
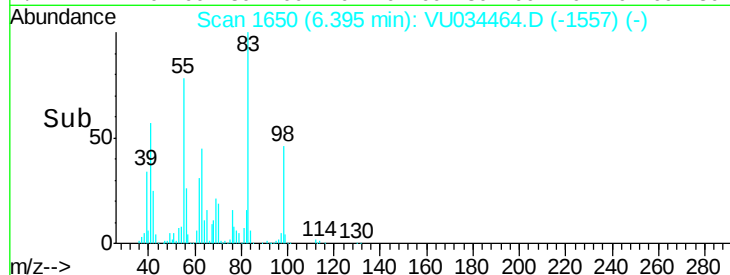
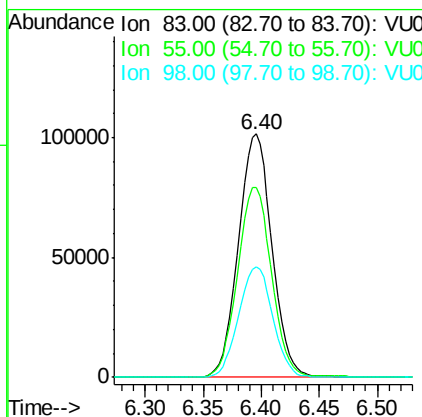
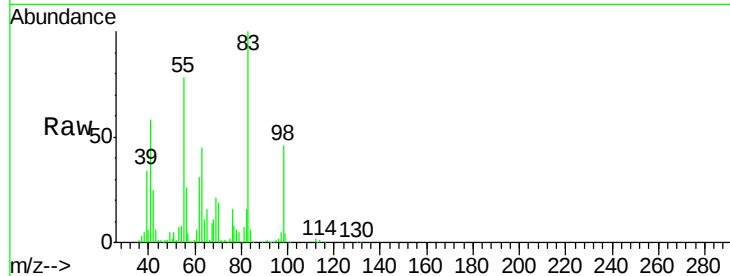
#39
Methvlcvclohexane
Concen: 48.134 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	62.1	93.1
98	45.6	37.0	55.6

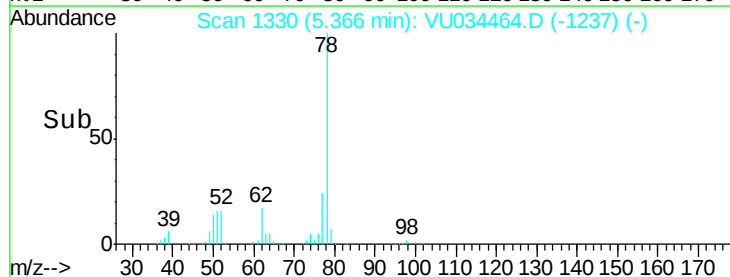
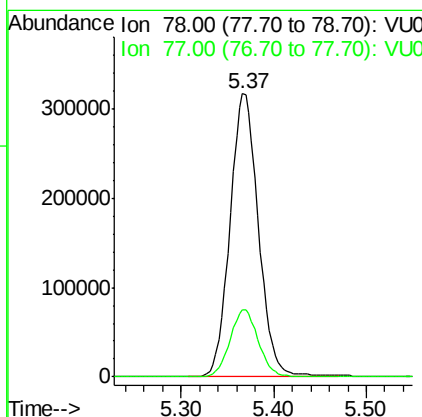
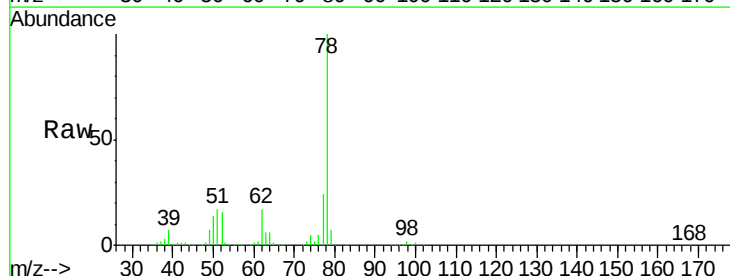
Manual Integrations
APPROVED

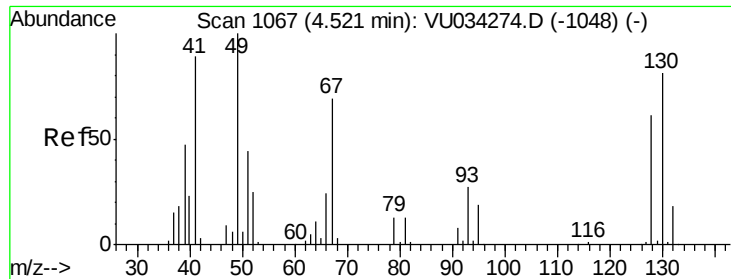
MMDadoda
9/11/2019 1:42:29 PM



#40
Benzene
Concen: 52.547 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1





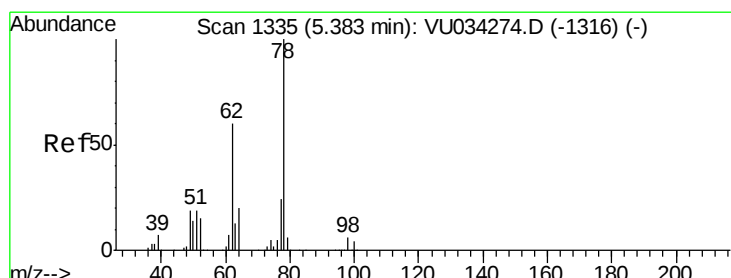
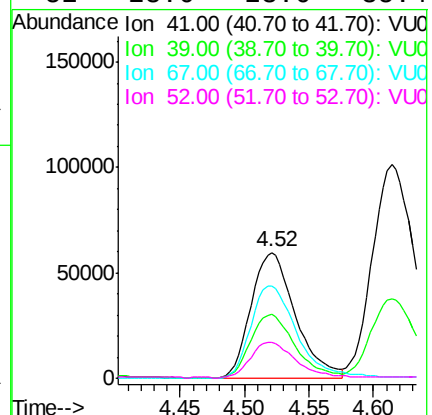
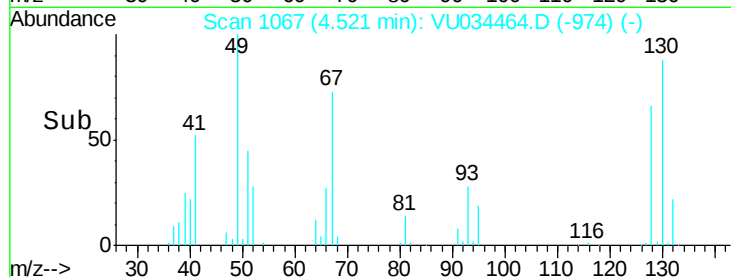
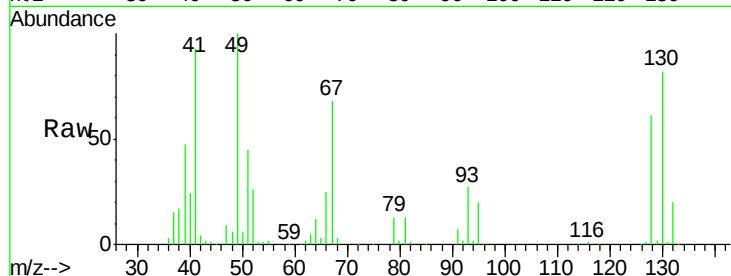
#41
Methacrylonitrile
Concen: 56.814 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	51.3	41.0	61.4		
67	78.1	62.4	93.6		
52	28.6	23.6	35.4		

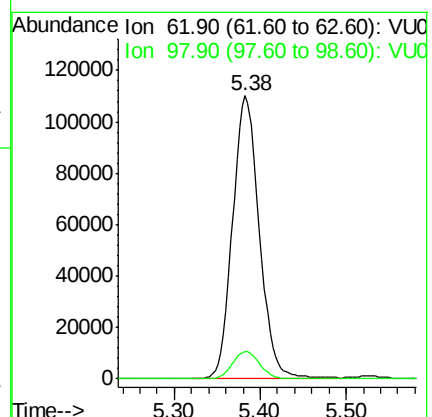
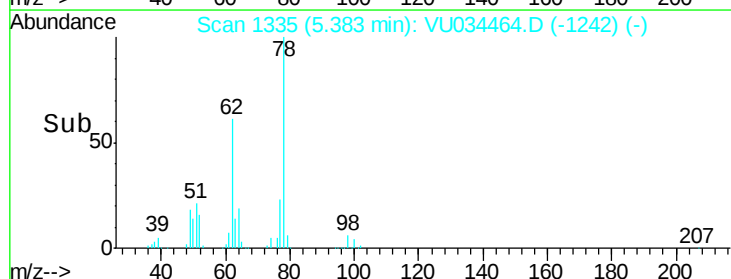
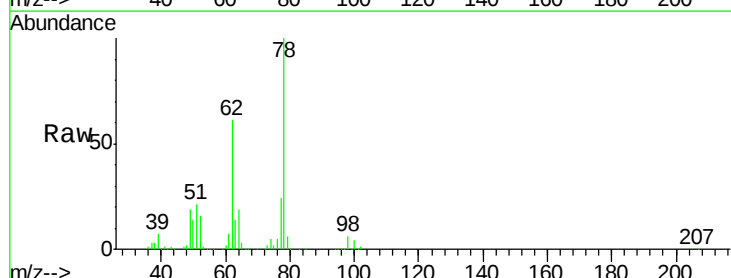
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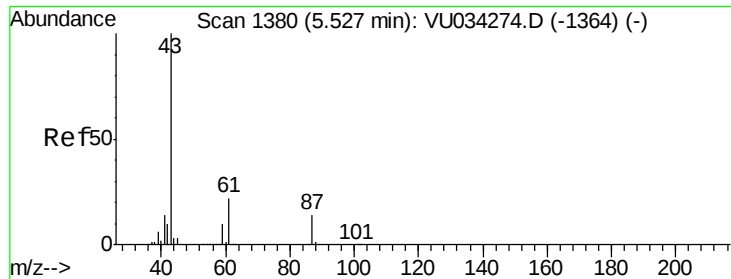
MMDadoda
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#42
1,2-Dichloroethane
Concen: 53.360 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

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





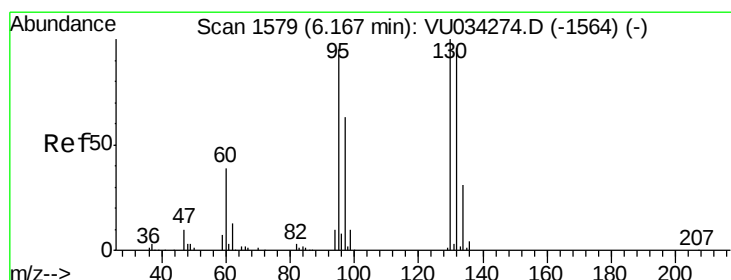
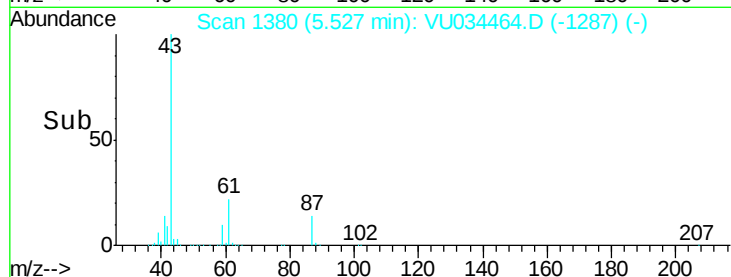
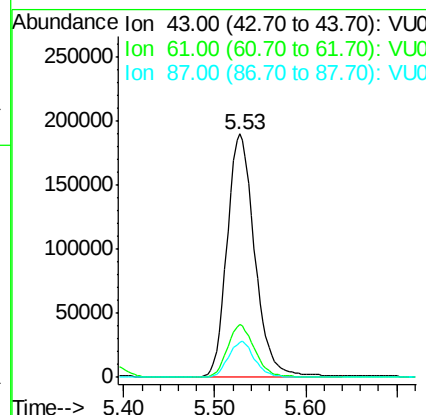
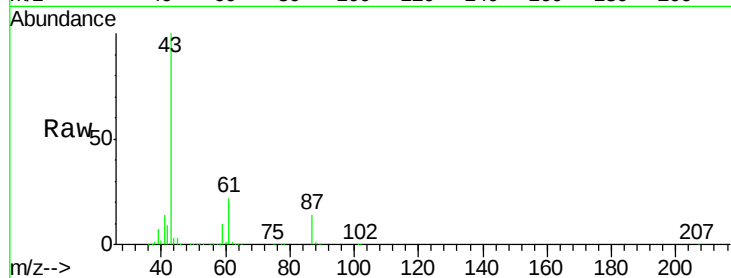
#43
Isopropyl Acetate
Concen: 54.365 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.1	25.7
87	14.2	11.1	16.7

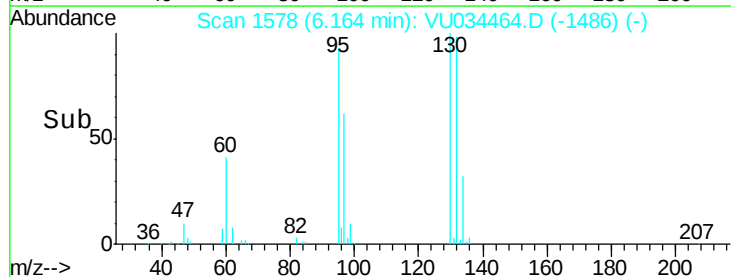
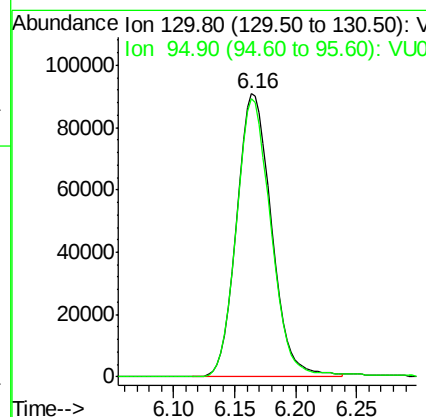
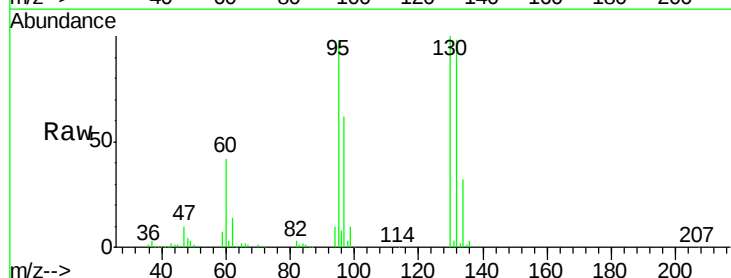
Manual Integrations
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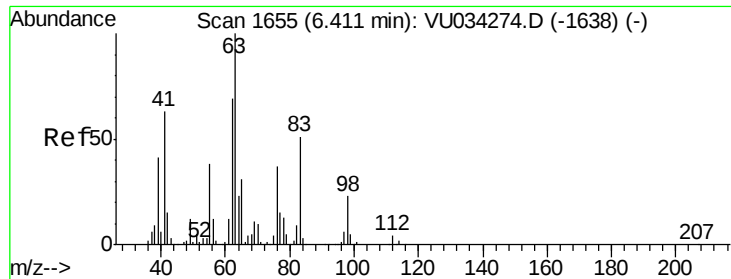
MMDadoda
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#44
Trichloroethene
Concen: 50.740 ug/l
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	189.2





#45

1,2-Dichloropropane

Concen: 53.522 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 200645

Ion Ratio Lower Upper

63 100

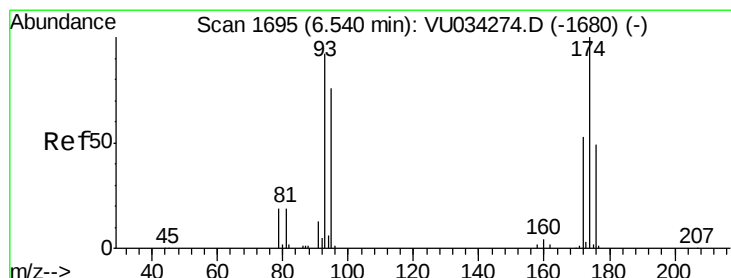
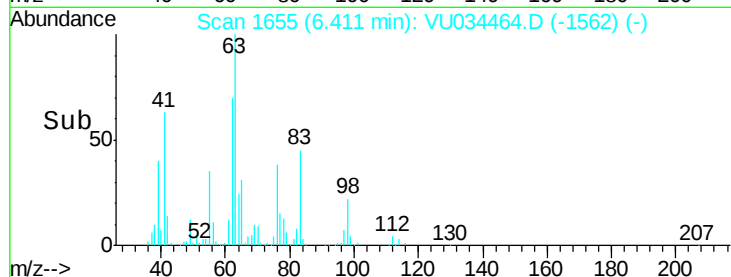
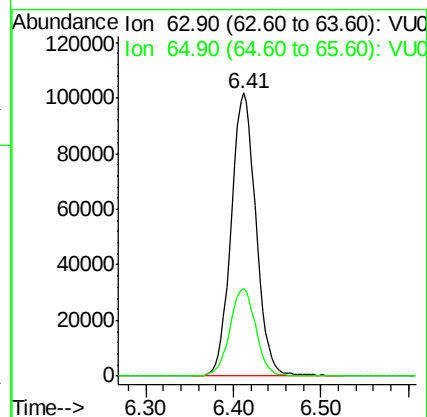
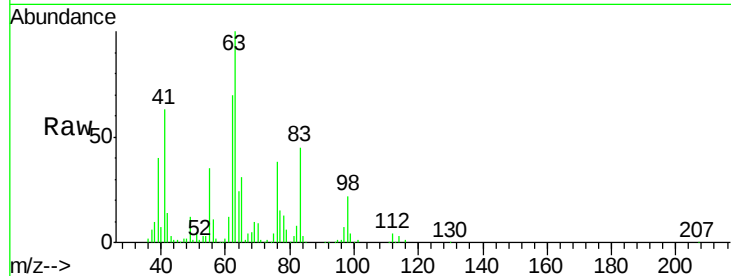
65 31.2 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 53.414 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

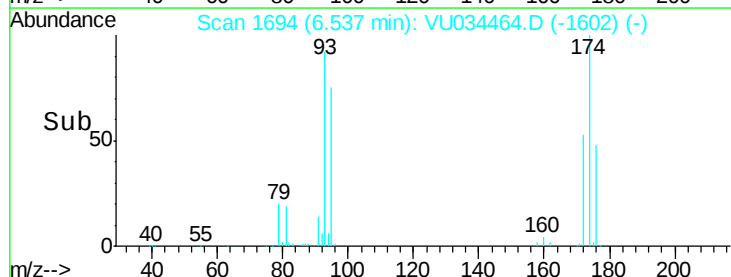
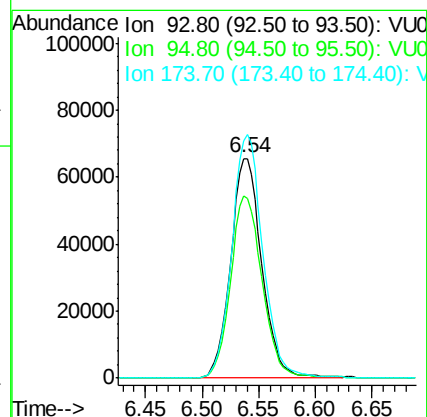
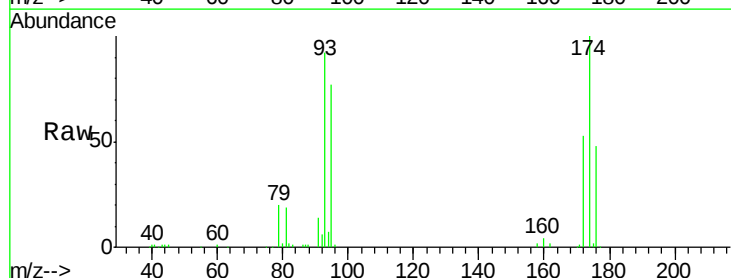
Tgt Ion: 93 Resp: 125693

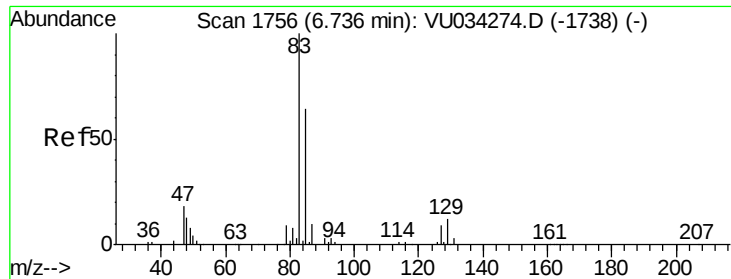
Ion Ratio Lower Upper

93 100

95 84.0 66.5 99.7

174 110.9 87.8 131.6





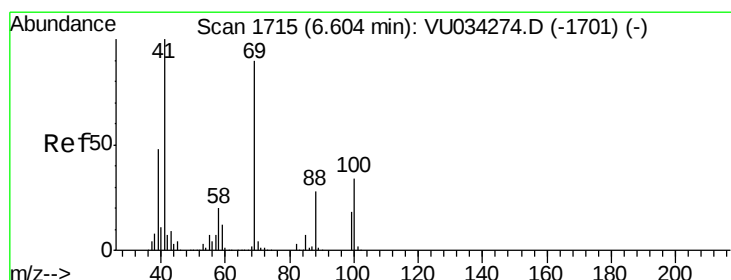
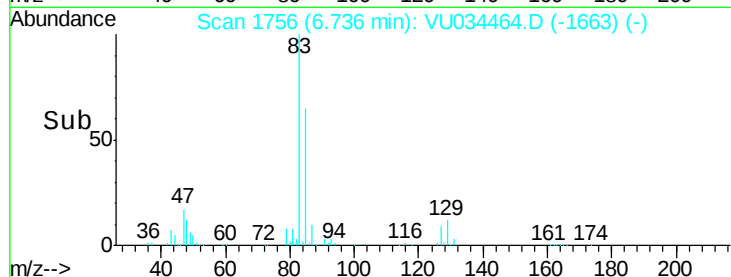
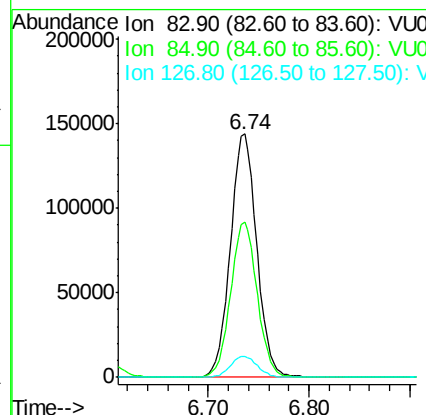
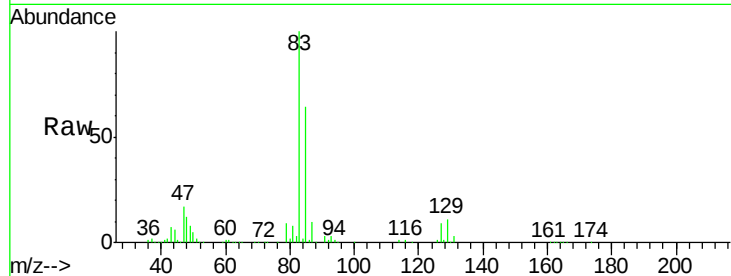
#47
Bromodichloromethane
Concen: 54.322 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	263127		
85	63.9		51.1	76.7
127	8.7		7.2	10.8

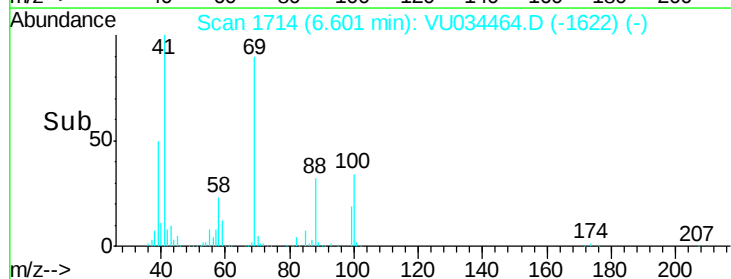
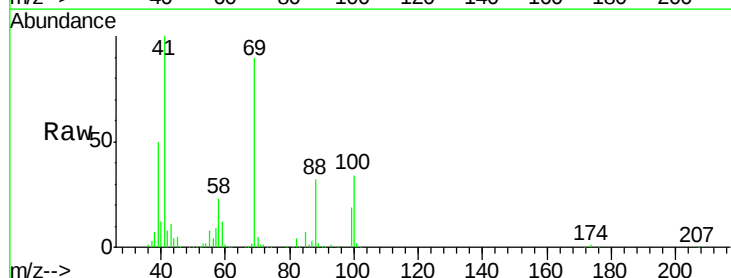
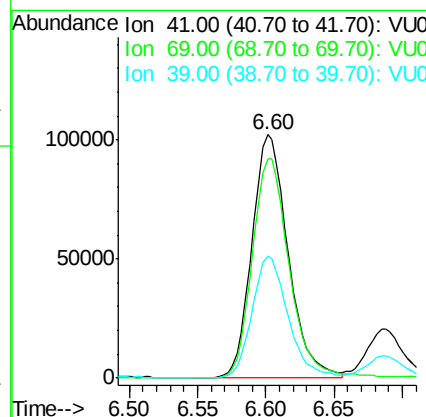
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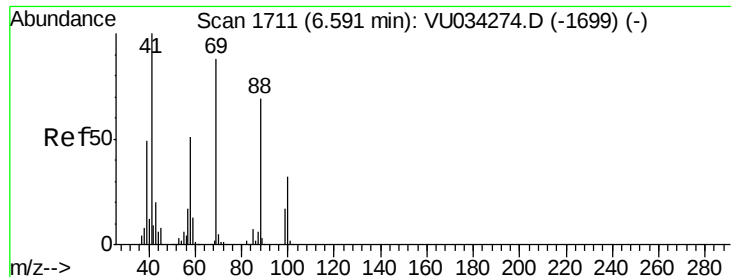
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#48
Methyl methacrylate
Concen: 53.723 ug/l
RT: 6.60 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	187034		
69	93.7		72.8	109.2
39	49.4		38.6	58.0





#49

1,4-Dioxane

Concen: 1092.829 ug/l

RT: 6.59 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 83079

Ion Ratio Lower Upper

88 100

43 30.6 23.8 35.6

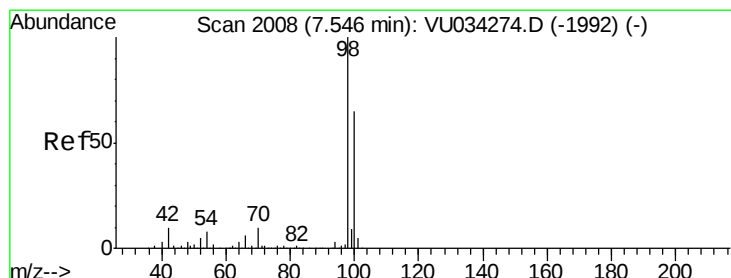
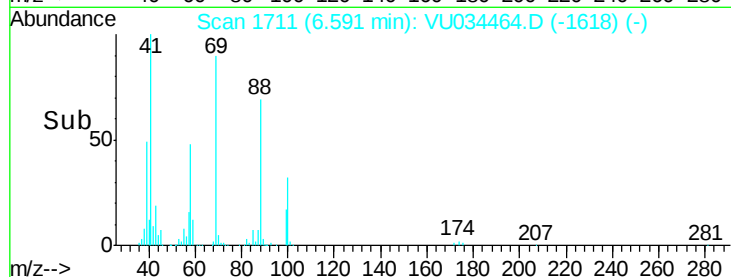
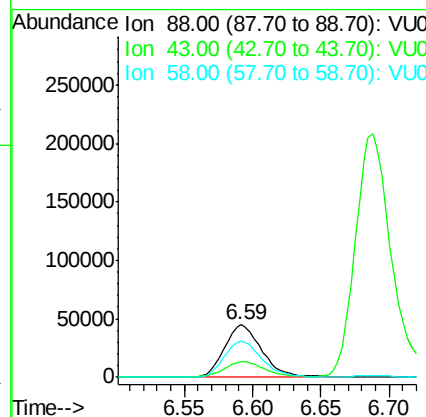
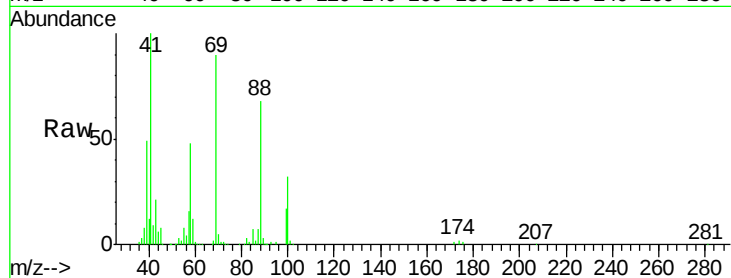
58 72.0 58.4 87.6

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#50

Toluene-d8

Concen: 52.305 ug/l

RT: 7.54 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VU034464.D

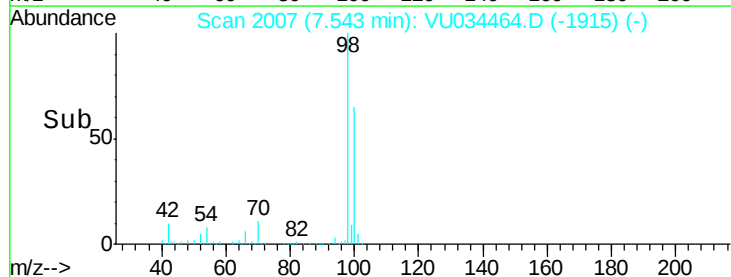
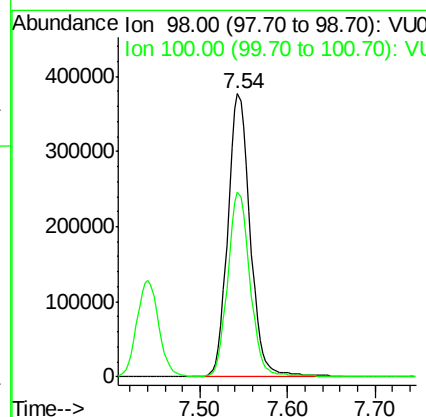
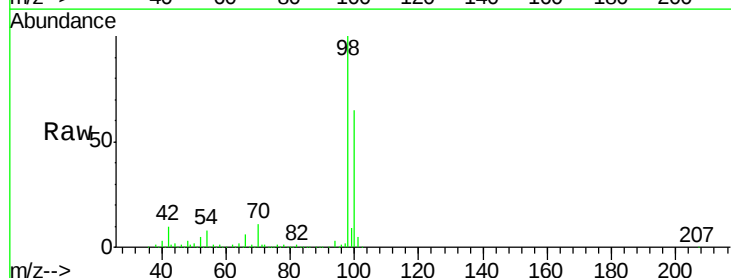
Acq: 10 Sep 2019 20:13

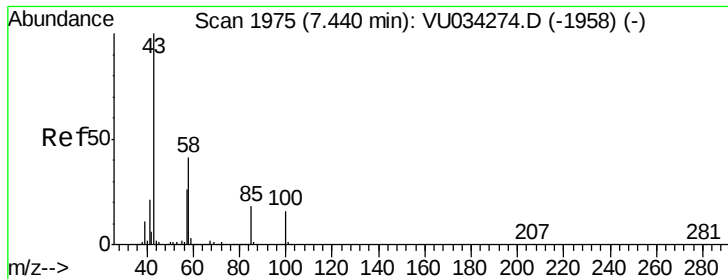
Tgt Ion: 98 Resp: 670066

Ion Ratio Lower Upper

98 100

100 65.3 51.7 77.5





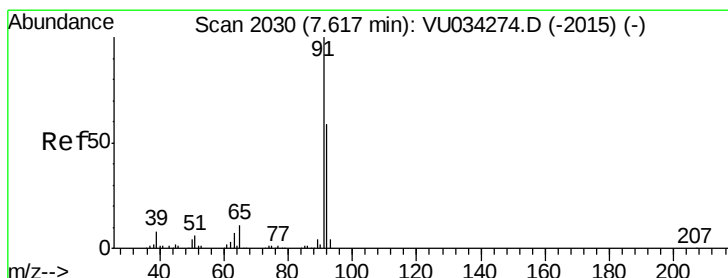
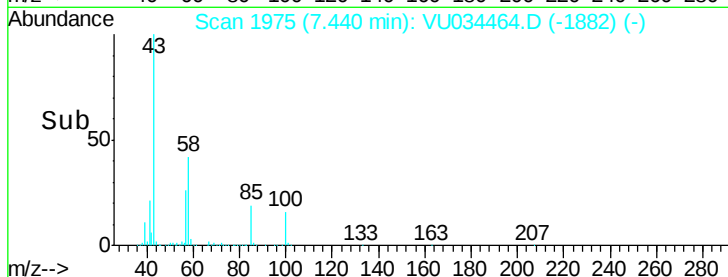
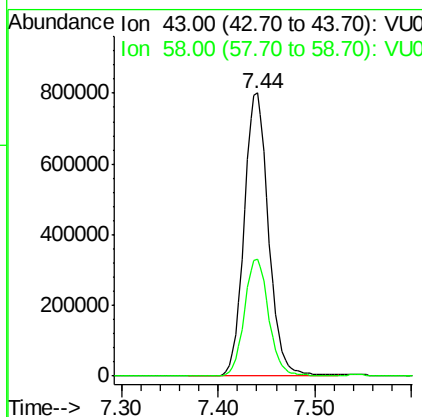
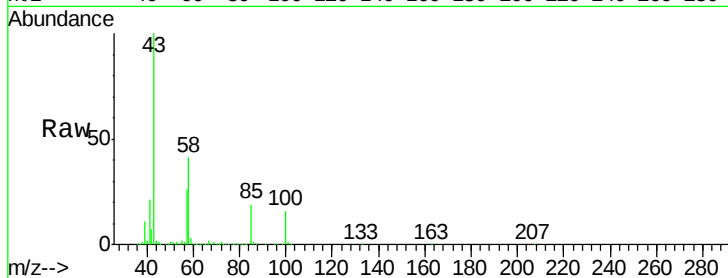
#51
4-Methyl-2-Pentanone
Concen: 275.834 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1399521
Ion Ratio Lower Upper
43 100
58 41.4 33.0 49.4

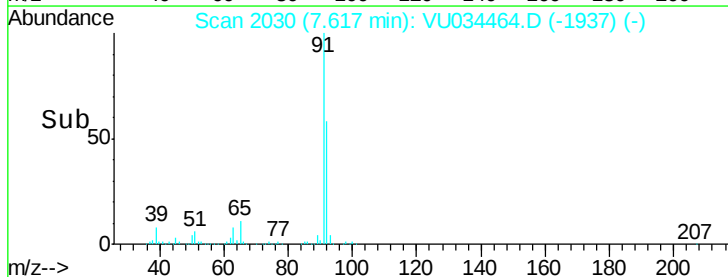
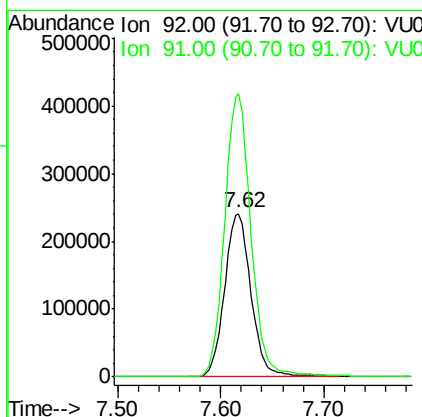
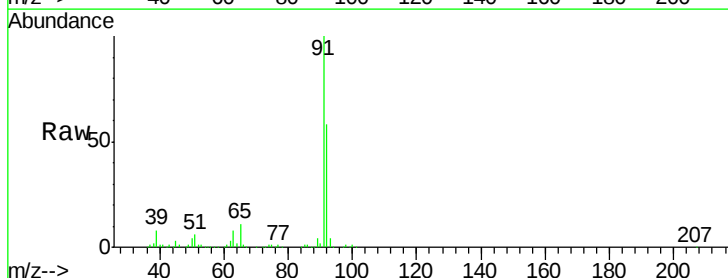
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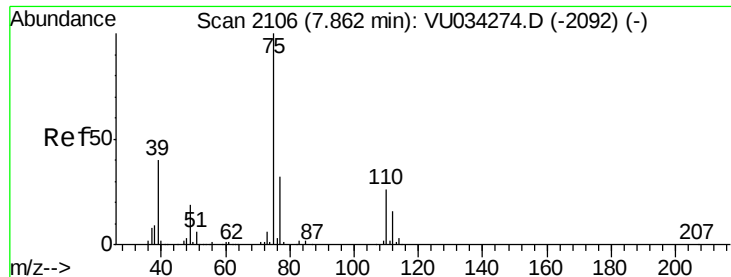
MMDadoda
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#52
Toluene
Concen: 53.589 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Tgt Ion: 92 Resp: 431087
Ion Ratio Lower Upper
92 100
91 173.2 136.6 205.0





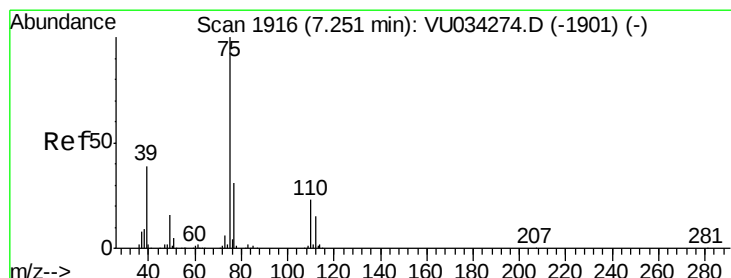
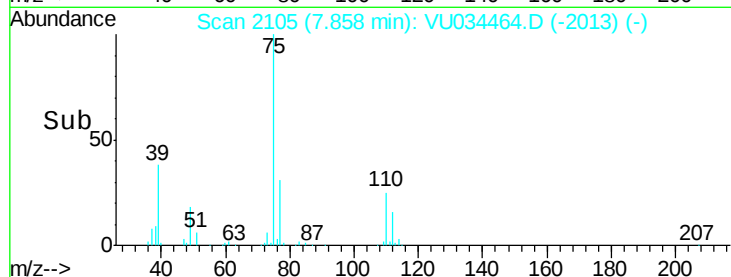
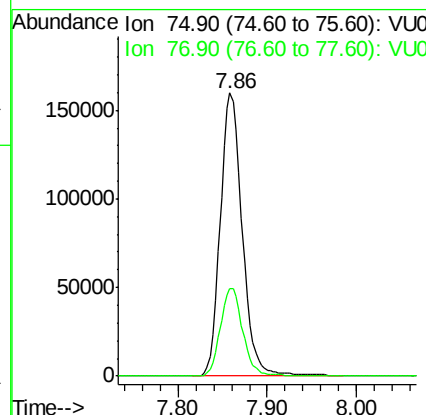
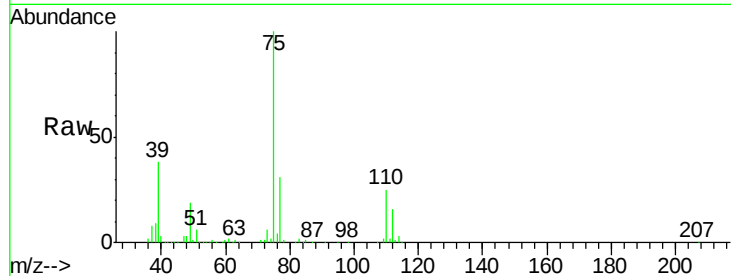
#53
 t-1,3-Dichloropropene
 Concen: 54.439 ug/l
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.7	38.5

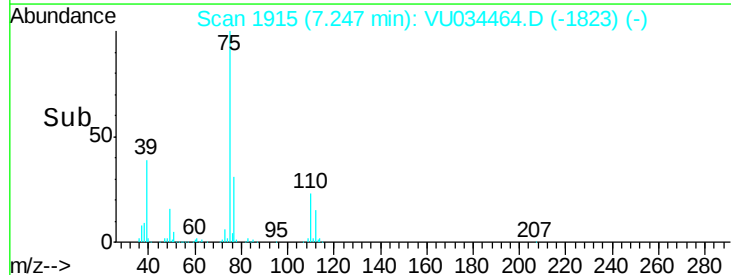
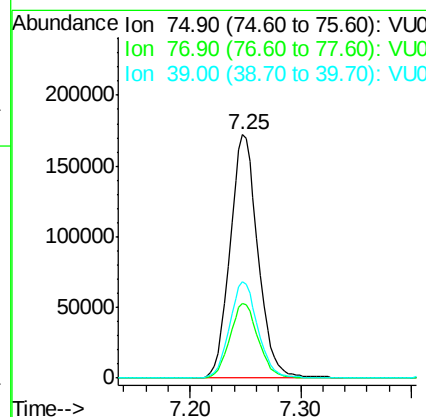
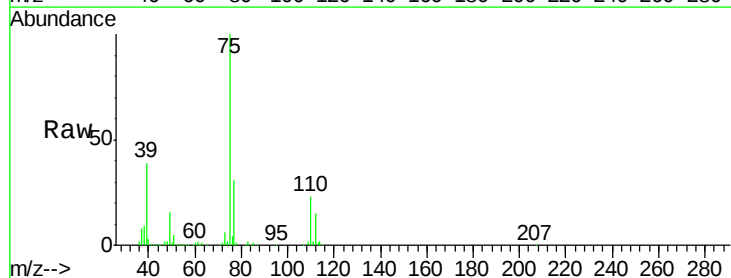
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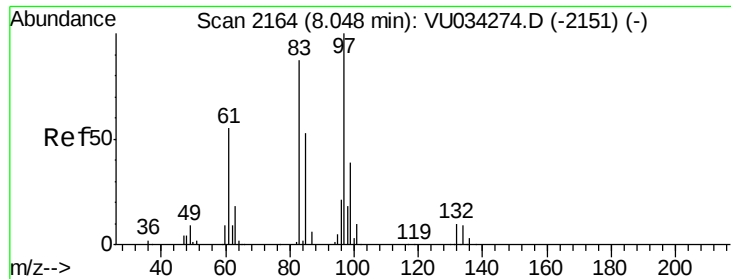
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#54
 cis-1,3-Dichloropropene
 Concen: 54.806 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.1	37.7
39	39.3	31.2	46.8





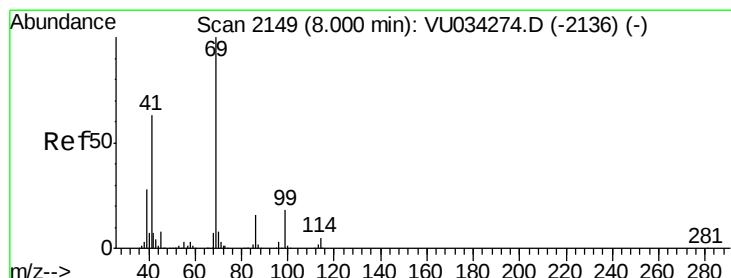
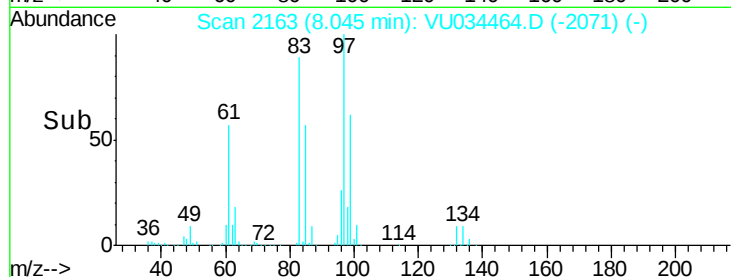
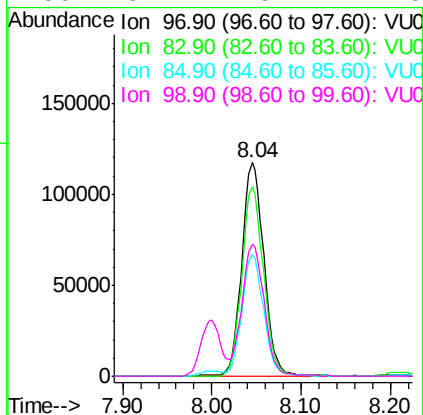
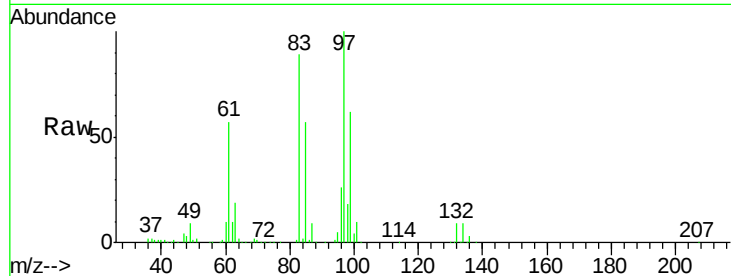
#55
 1,1,2-Trichloroethane
 Concen: 55.584 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	203034
Ion	Ratio	Lower	Upper
97	100		
83	88.8	69.0	103.6
85	56.8	44.2	66.2
99	61.7	49.4	74.0

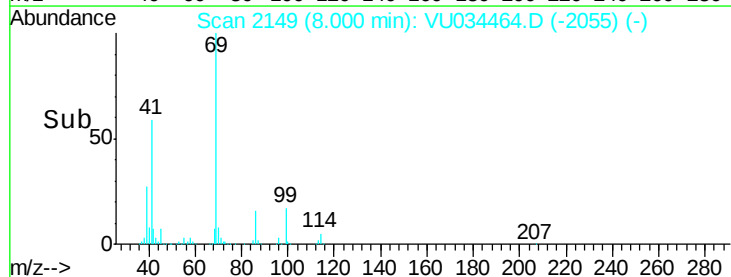
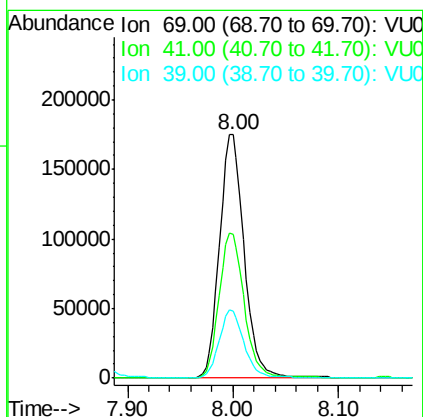
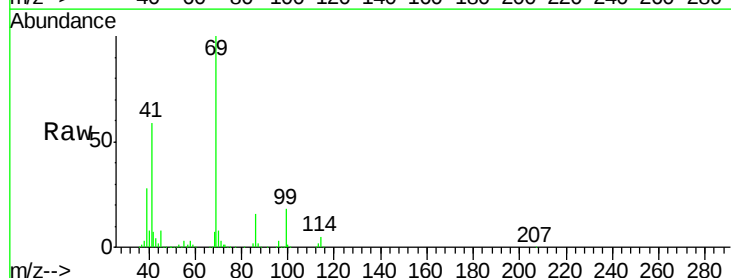
Manual Integrations
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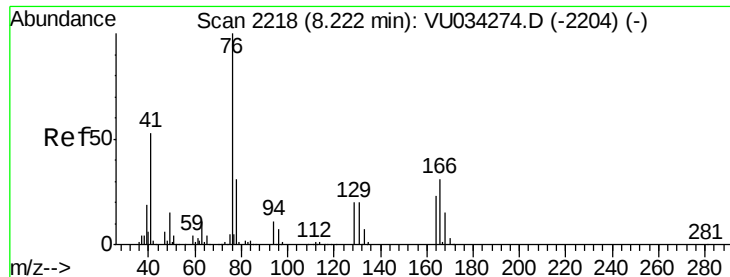
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#56
 Ethyl methacrylate
 Concen: 51.138 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Tgt Ion:	69	Resp:	284206
Ion	Ratio	Lower	Upper
69	100		
41	60.9	49.5	74.3
39	27.8	22.5	33.7





#57

1,3-Dichloropropane

Concen: 54.761 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 325712

Ion Ratio Lower Upper

76 100

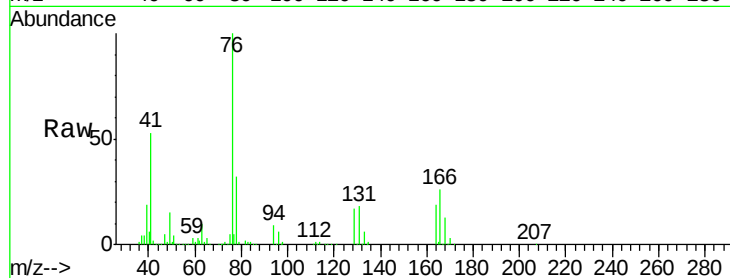
78 31.8 25.4 38.2

Manual Integrations

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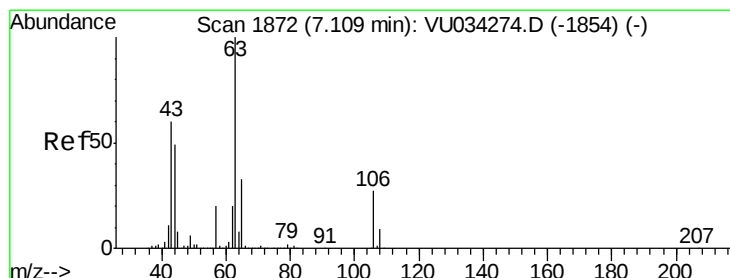
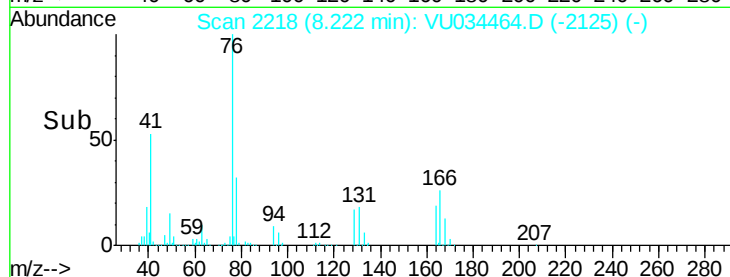
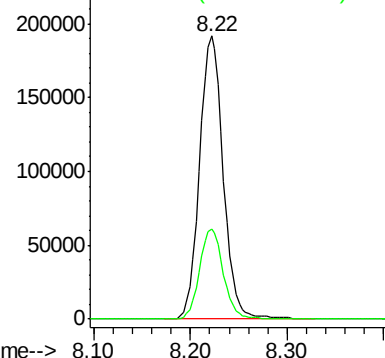
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 252.927 ug/l

RT: 7.11 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VU034464.D

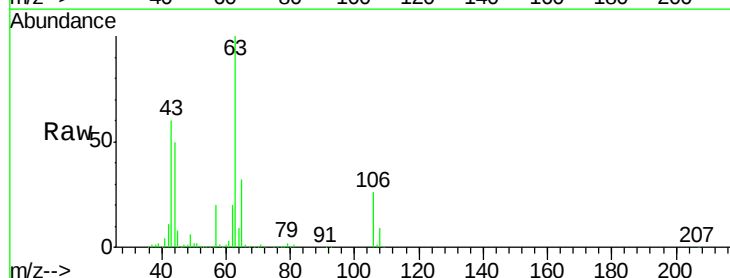
Acq: 10 Sep 2019 20:13

Tgt Ion: 63 Resp: 475269

Ion Ratio Lower Upper

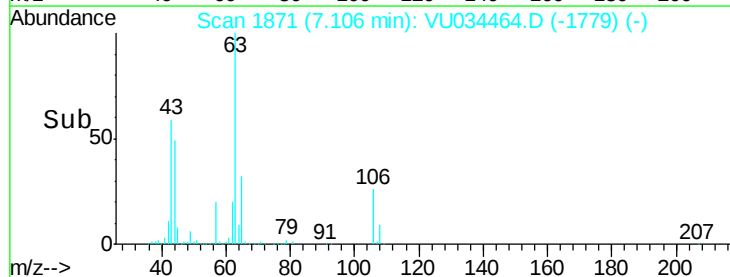
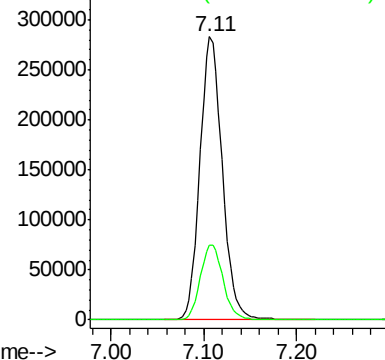
63 100

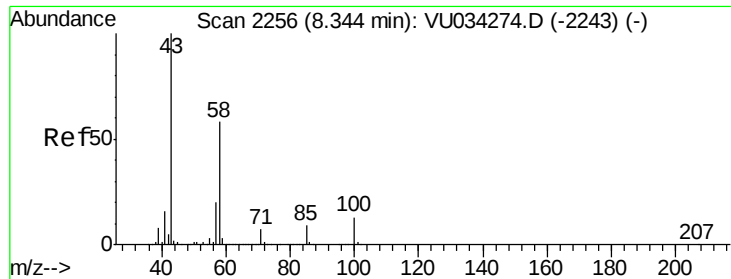
106 26.9 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





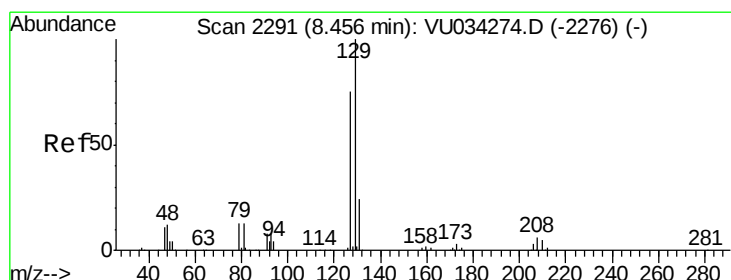
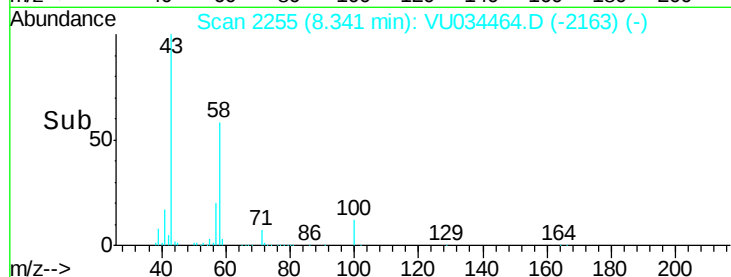
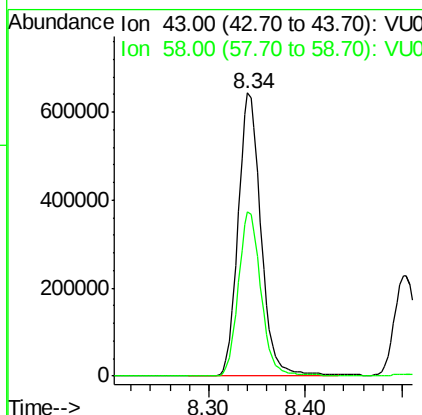
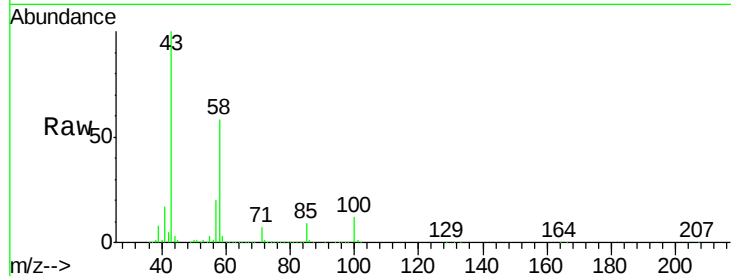
#59
2-Hexanone
Concen: 277.493 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1051803
Ion Ratio Lower Upper
43 100
58 58.2 28.8 86.5

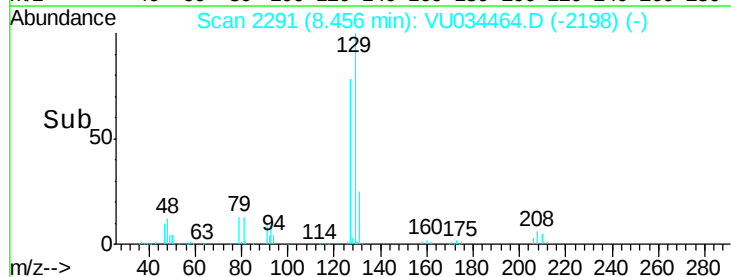
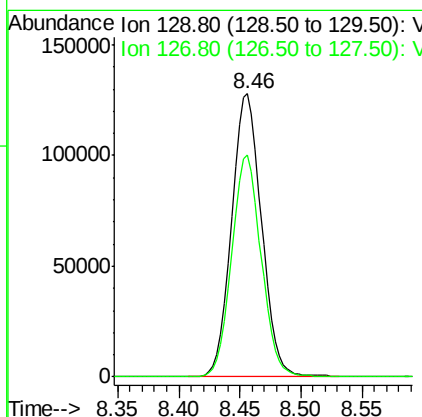
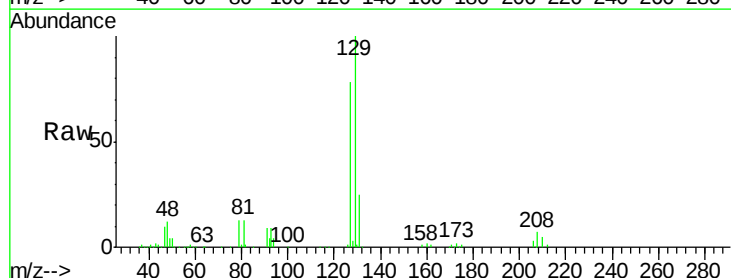
Manual Integrations
APPROVED

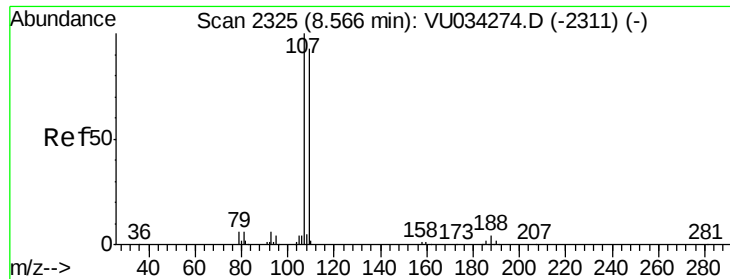
MMDadoda
9/11/2019 1:42:29 PM



#60
Dibromochloromethane
Concen: 55.782 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Tgt Ion: 129 Resp: 218547
Ion Ratio Lower Upper
129 100
127 77.5 37.9 113.7





#61

1,2-Dibromoethane

Concen: 54.125 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 193508

Ion Ratio Lower Upper

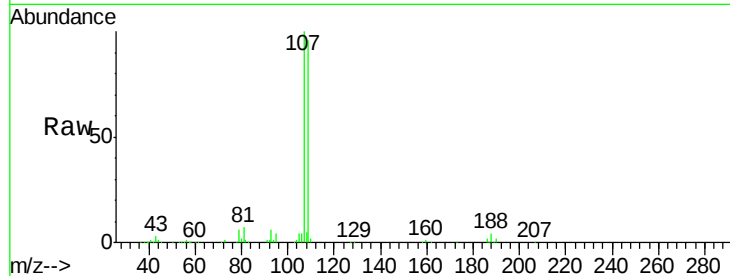
107 100

109 96.1 75.0 112.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

120000

100000

80000

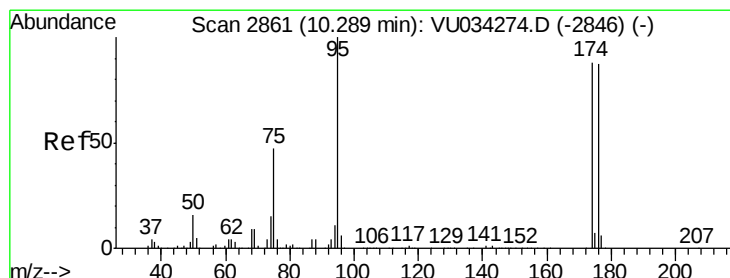
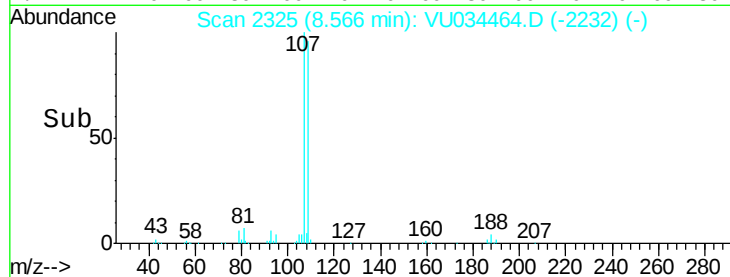
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.303 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

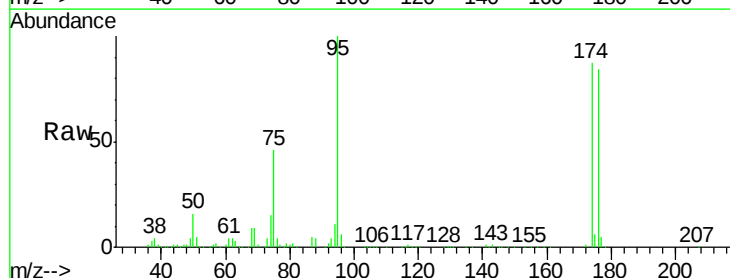
Tgt Ion: 95 Resp: 258699

Ion Ratio Lower Upper

95 100

174 88.1 0.0 175.2

176 84.4 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

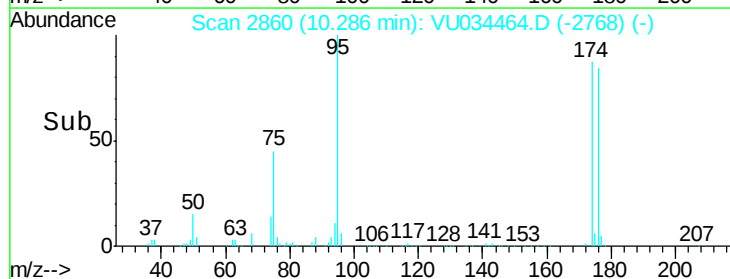
150000

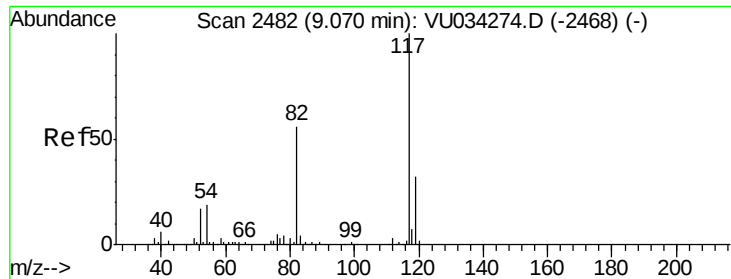
100000

50000

0

Time-->





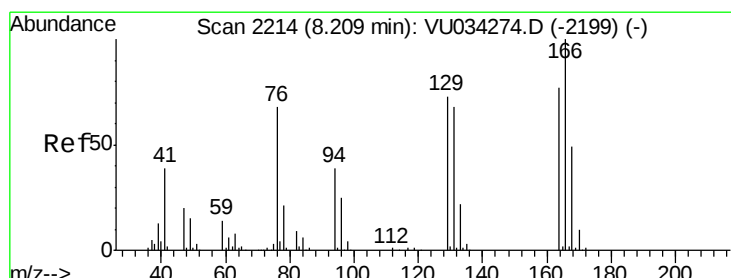
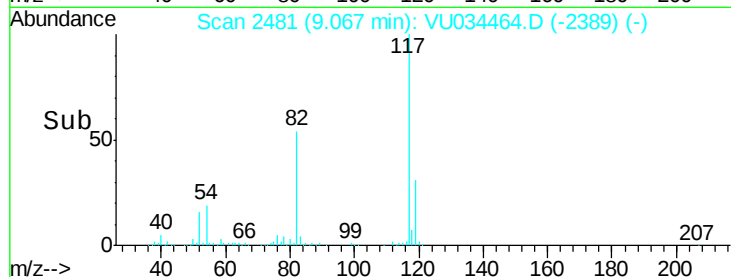
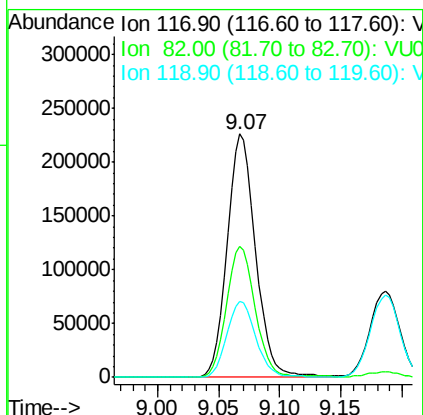
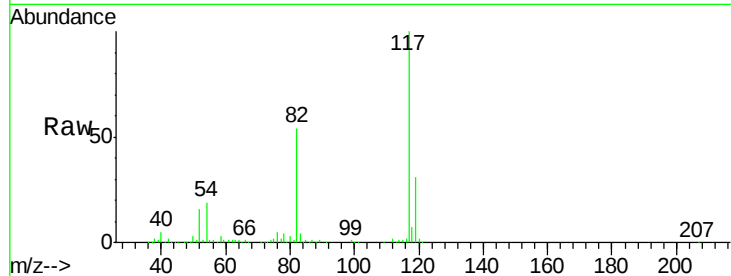
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	369775		
82	53.9		44.6	67.0
119	31.2		25.9	38.9

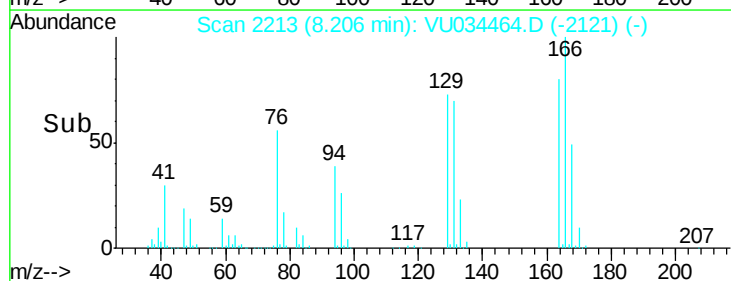
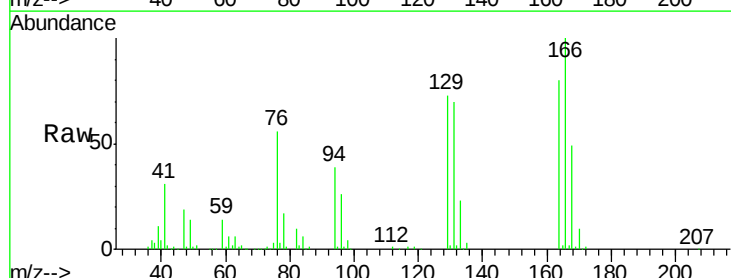
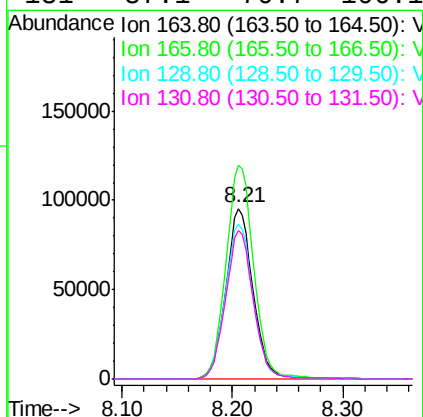
Manual Integrations
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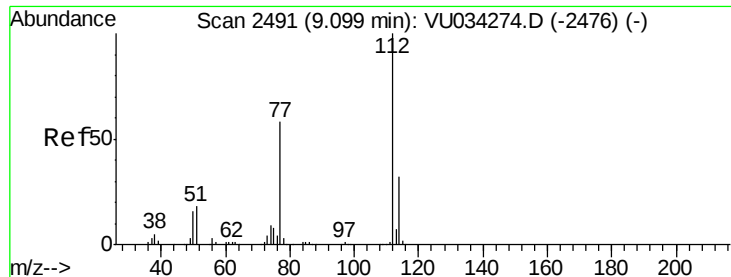
MMDadoda
9/11/2019 1:42:29 PM



#64
Tetrachloroethene
Concen: 51.008 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	163635		
166	125.0		103.7	155.5
129	90.8		75.8	113.8
131	87.1		70.7	106.1





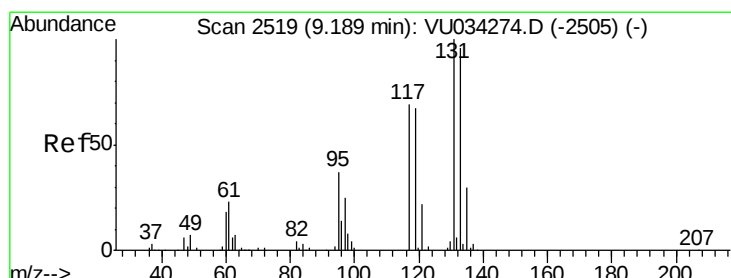
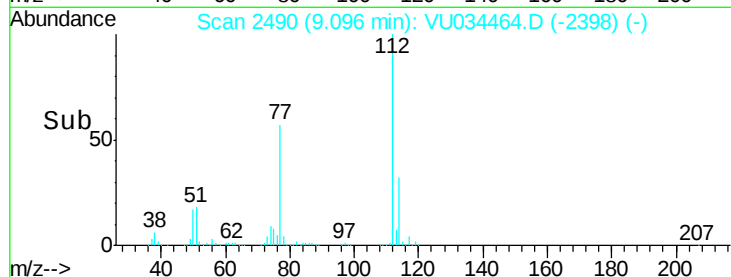
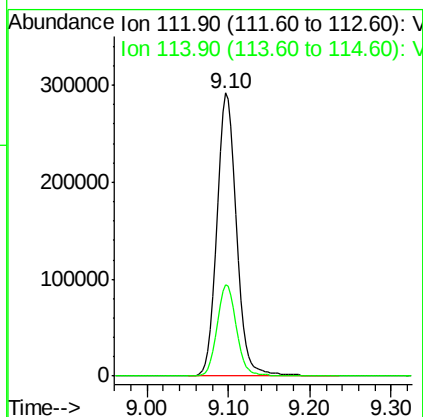
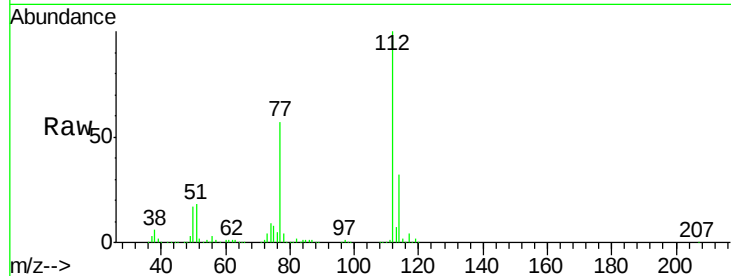
#65
Chlorobenzene
Concen: 53.329 ug/l
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.9	38.9

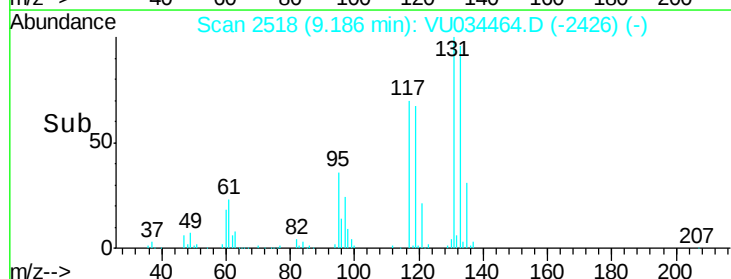
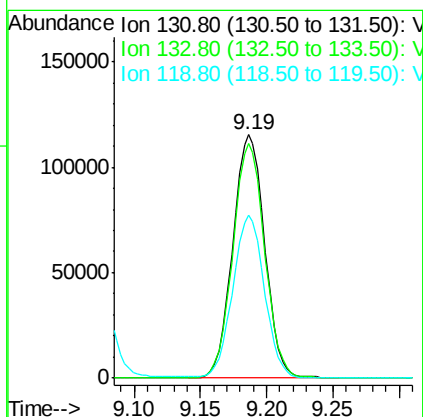
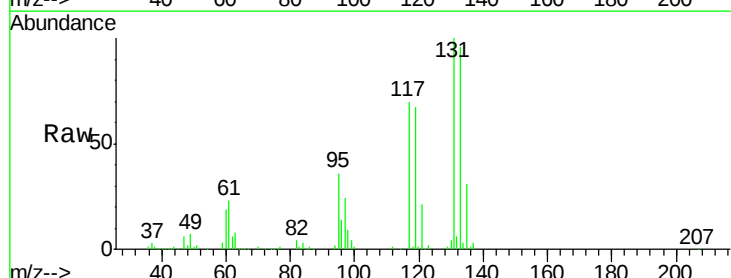
Manual Integrations
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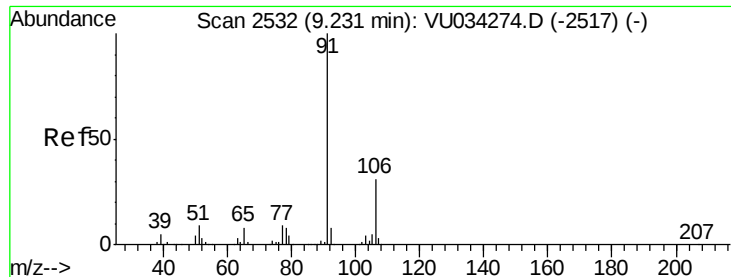
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.817 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.9	143.7
119	66.1	33.1	99.5





#67

Ethyl Benzene

Concen: 54.245 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 832072

Ion Ratio Lower Upper

91 100

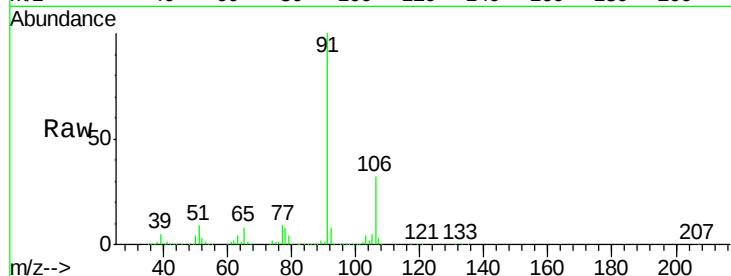
106 31.8 24.8 37.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU034464.D (-2439) (-)

Ion 106.00 (105.70 to 106.70): VU034464.D (-2439) (-)

800000

600000

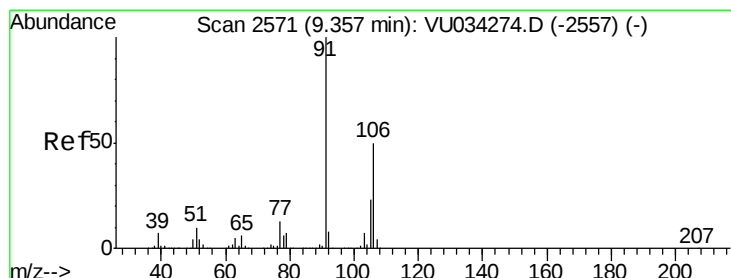
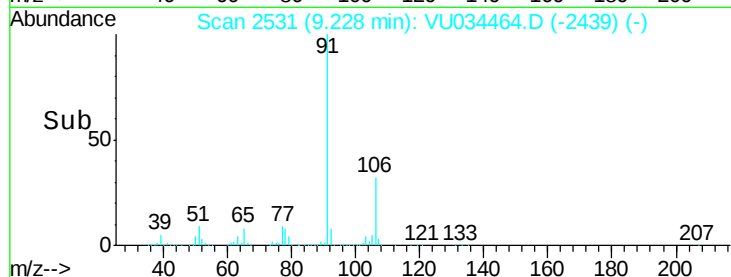
400000

200000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#68

m/p-Xylenes

Concen: 113.673 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034464.D

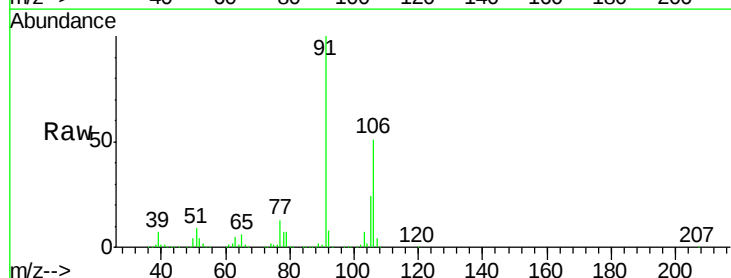
Acq: 10 Sep 2019 20:13

Tgt Ion: 106 Resp: 656587

Ion Ratio Lower Upper

106 100

91 198.5 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): VU034464.D (-2478) (-)

Ion 91.00 (90.70 to 91.70): VU034464.D (-2478) (-)

800000

600000

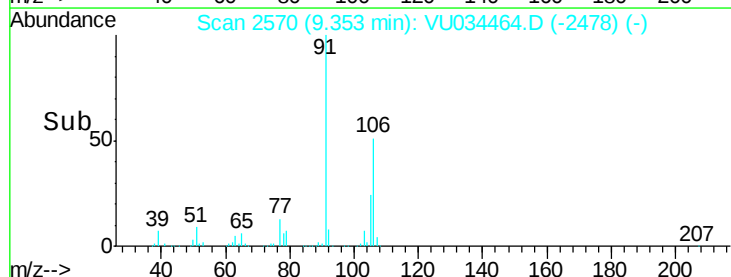
400000

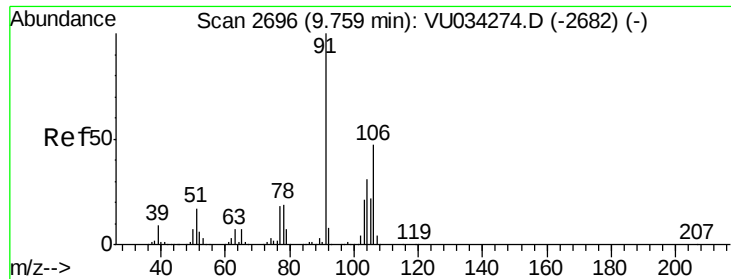
200000

0

9.30 9.40 9.50

Time-->





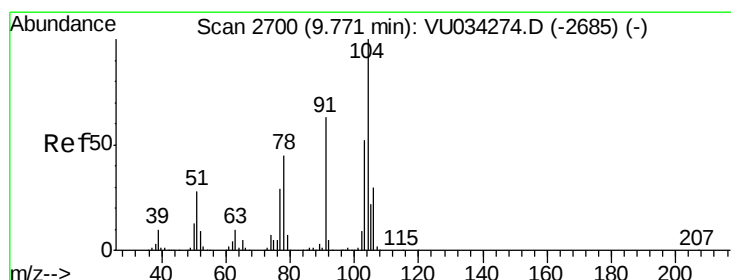
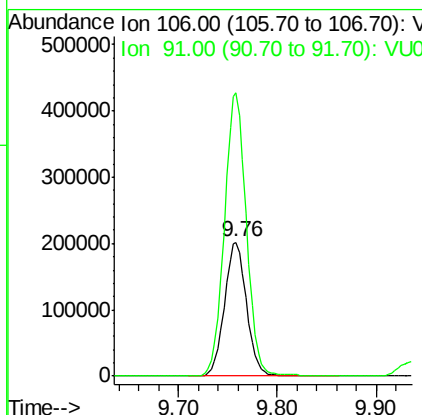
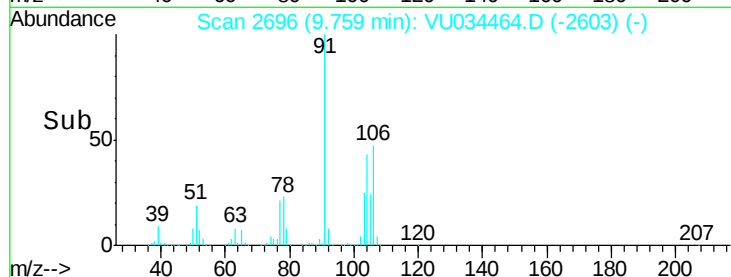
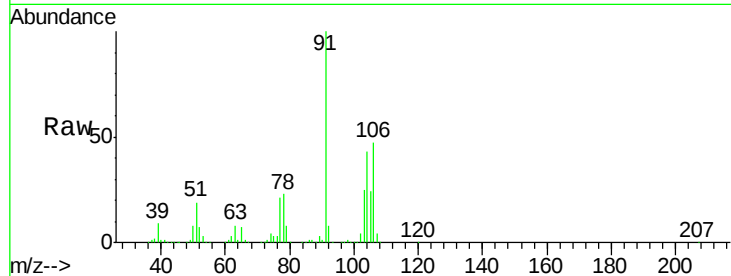
#69
o-Xylene
Concen: 56.325 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
106	100	318168		
91	210.3	105.1	315.3	

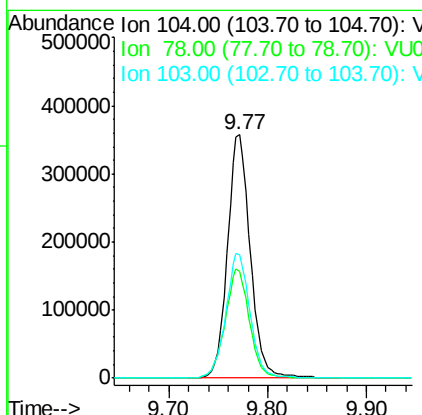
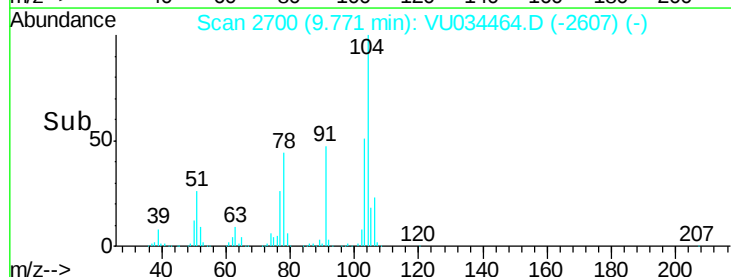
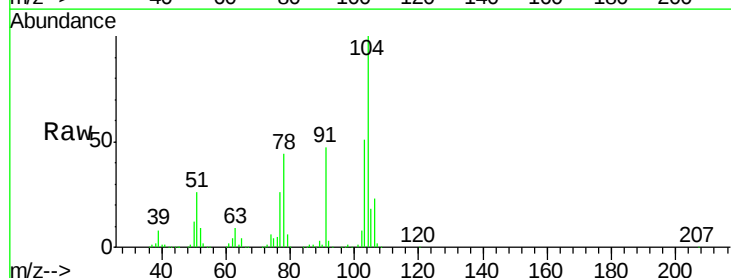
Manual Integrations
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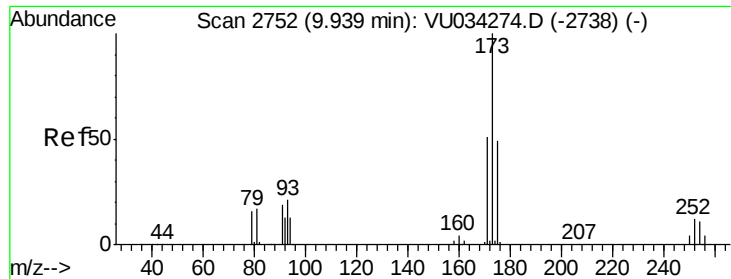
MMDadoda
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#70
Styrene
Concen: 58.722 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	581571		
78	47.9	38.6	57.8	
103	54.4	44.2	66.4	





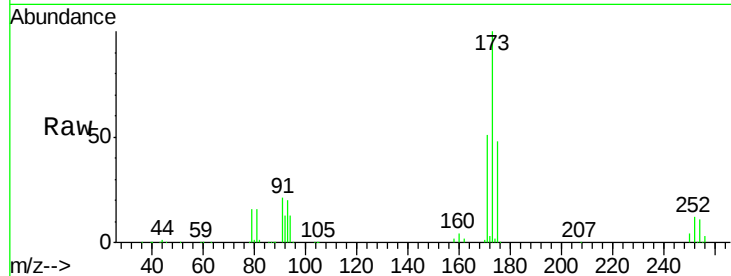
#71
Bromoform
Concen: 55.571 ug/l
RT: 9.94 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

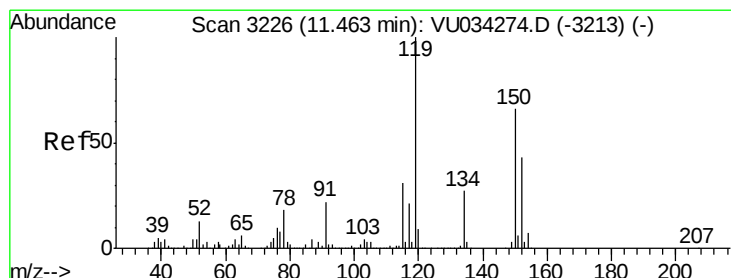
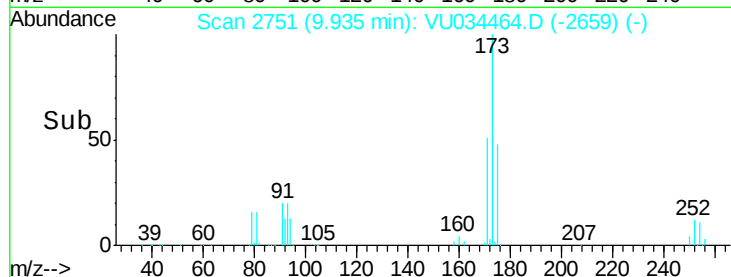
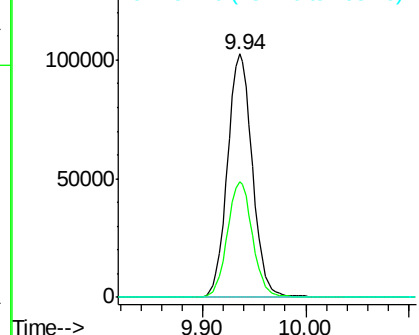
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.4	73.2
254	0.1	0.0	0.0#

Manual Integrations
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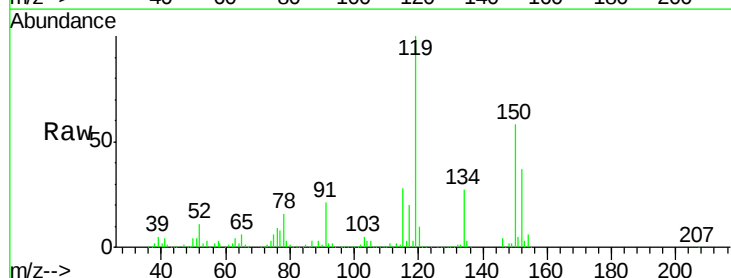


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

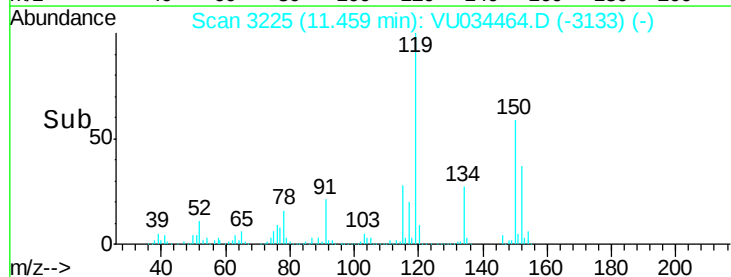
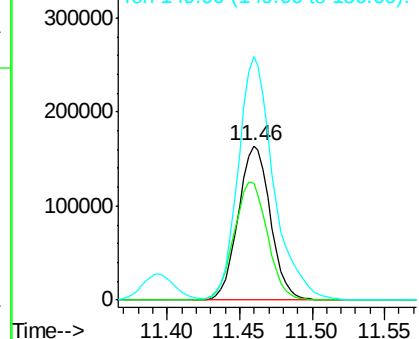


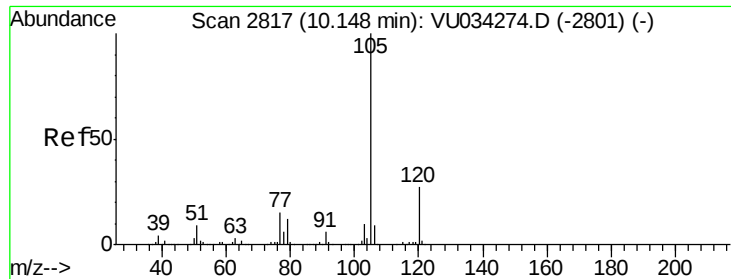
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3225
Delta R.T. -0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.1	39.1	117.3
150	173.3	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: 53.359 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 876546

Ion Ratio Lower Upper

105 100

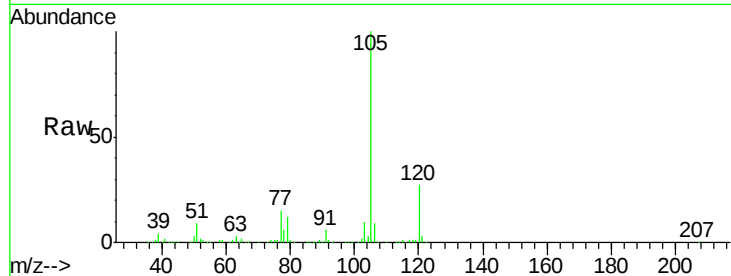
120 26.6 13.4 40.2

Manual Integrations

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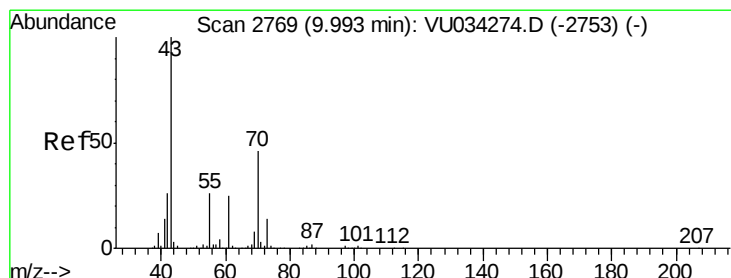
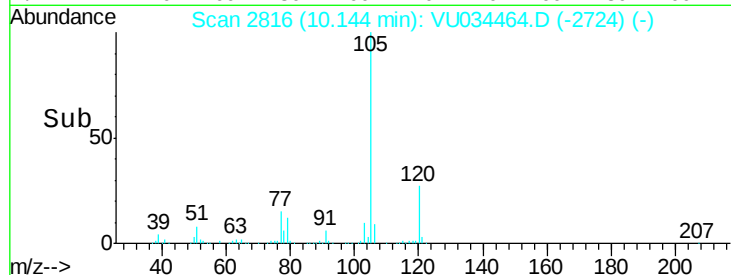
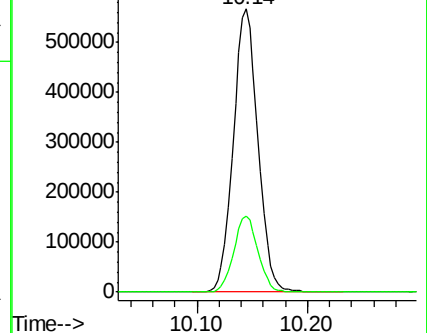
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.257 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Tgt Ion: 43 Resp: 365384

Ion Ratio Lower Upper

43 100

70 45.4 36.4 54.6

55 27.1 21.2 31.8

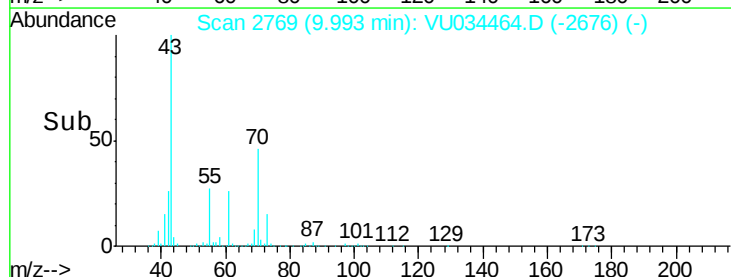
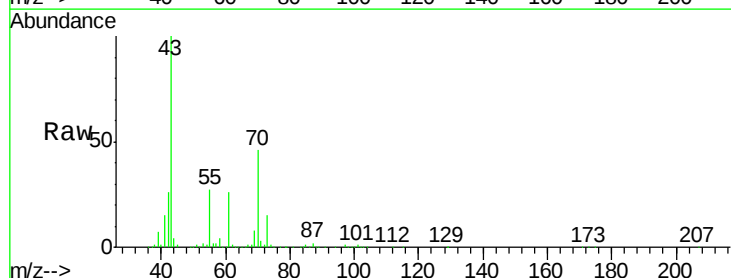
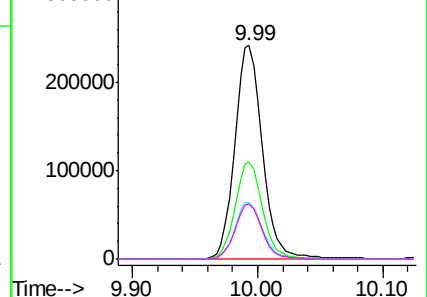
61 25.6 20.4 30.6

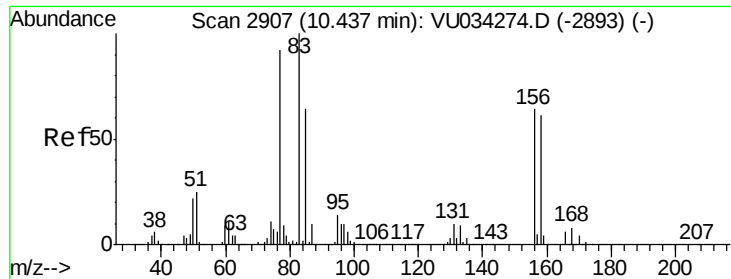
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 50.898 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Instrument :

MSVOA_U

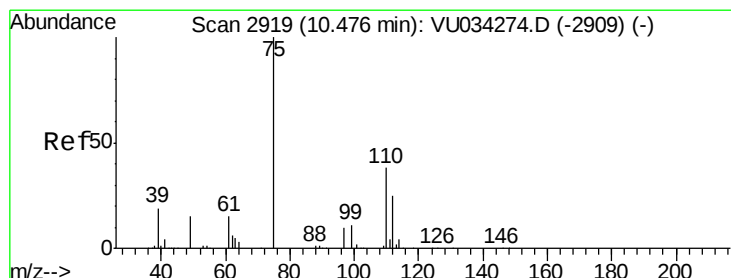
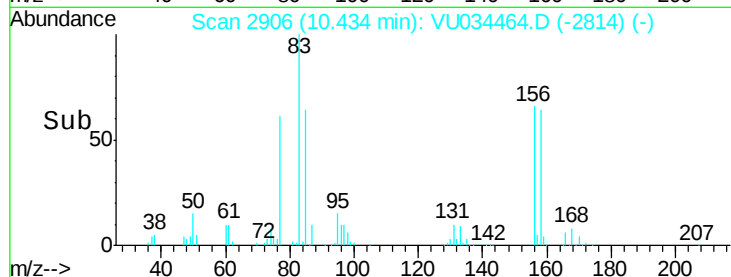
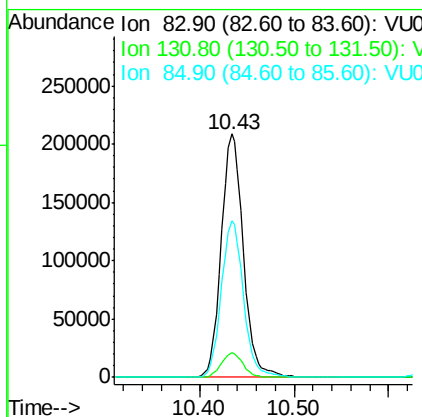
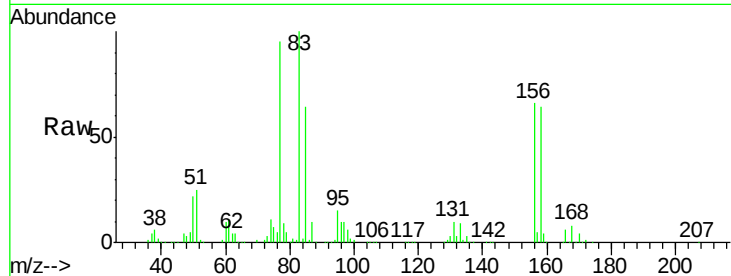
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	338436
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.2
85	64.5	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 50.280 ug/l m

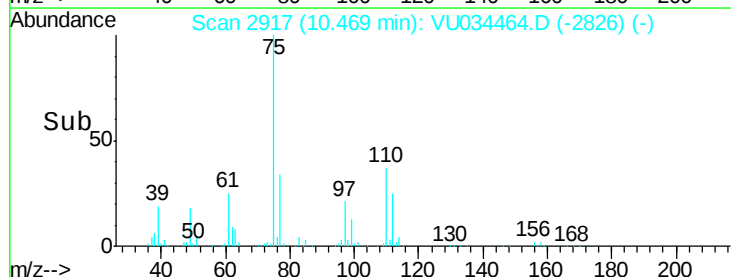
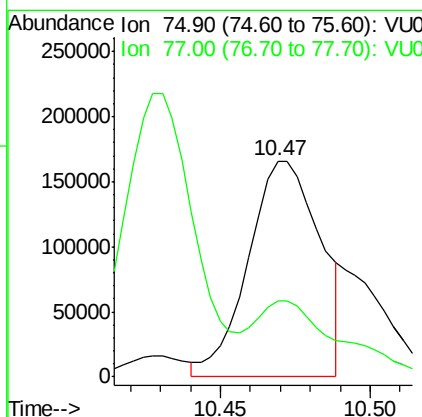
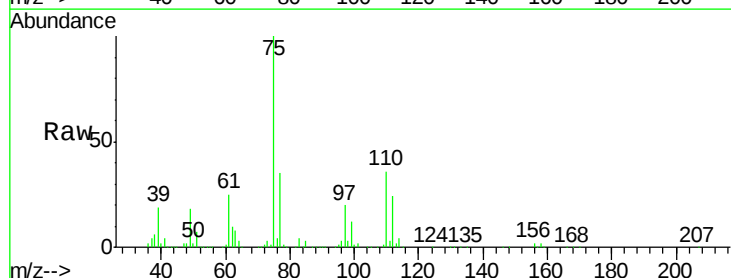
RT: 10.47 min Scan# 2917

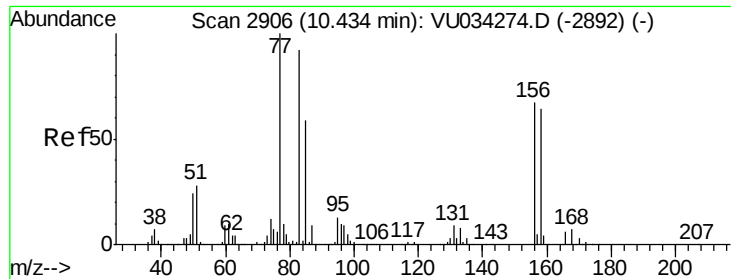
Delta R.T. -0.01 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Tgt Ion:	75	Resp:	277042
Ion Ratio	Lower	Upper	
75	100		
77	41.9	20.8	62.2





#77

Bromobenzene

Concen: 52.571 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Instrument :

MSVOA_U

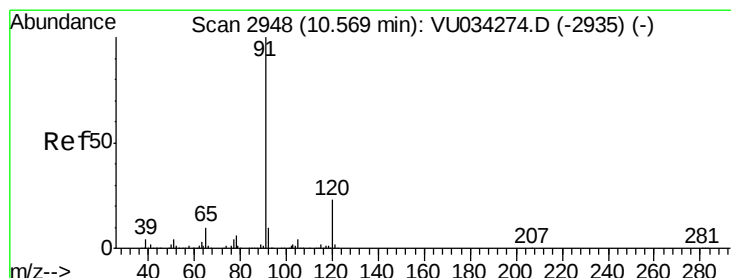
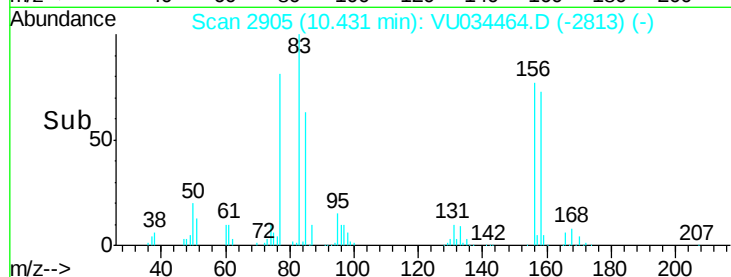
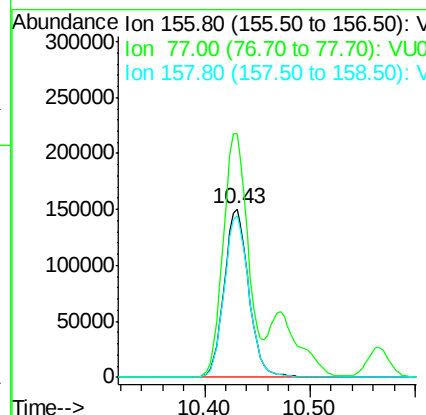
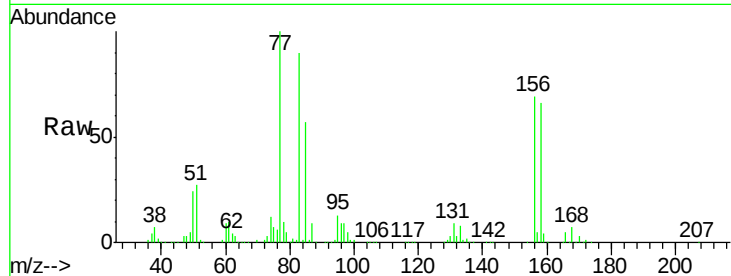
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
241472	156	100		
	77	148.0	75.6	226.9
	158	97.1	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 53.400 ug/l

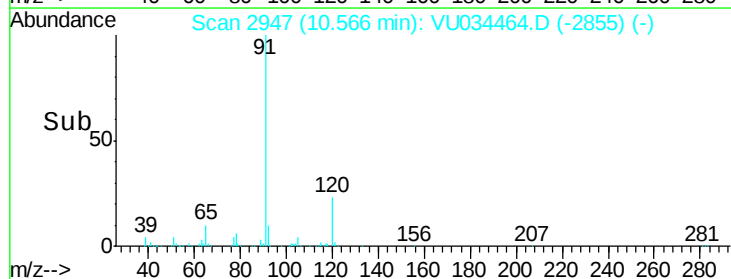
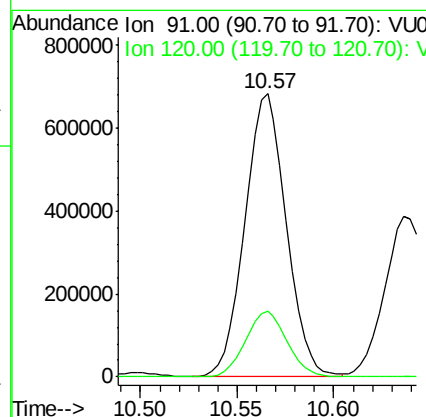
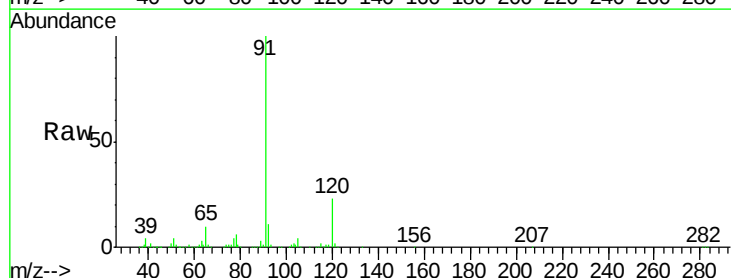
RT: 10.57 min Scan# 2947

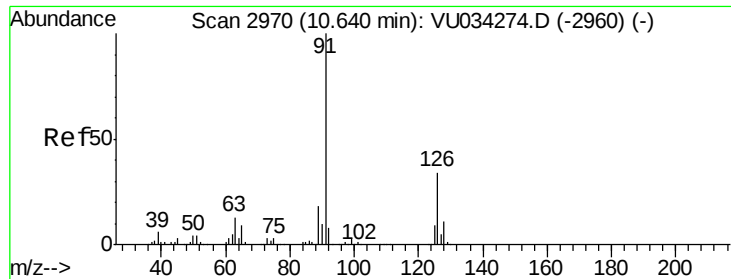
Delta R.T. -0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Tgt Ion	Ion	Ratio	Lower	Upper
1013090	91	100		
	120	23.4	11.7	35.0





#79

2-Chlorotoluene

Concen: 52.903 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. -0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 612403

Ion Ratio Lower Upper

91 100

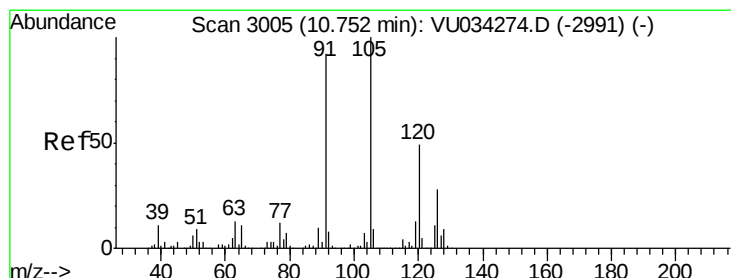
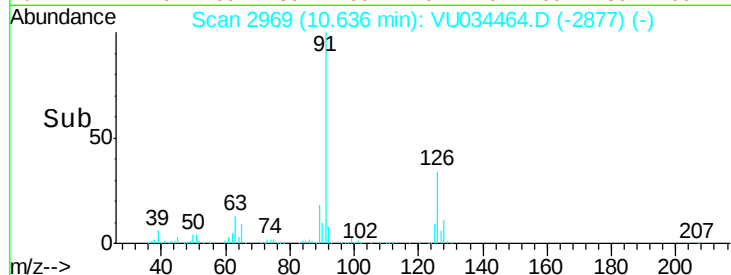
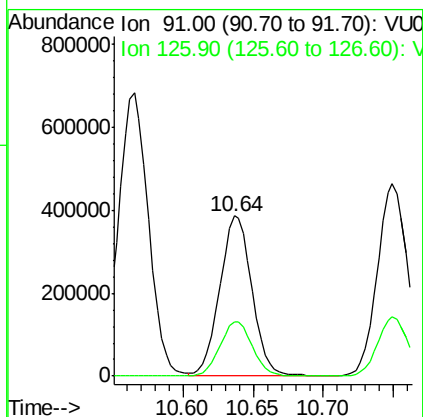
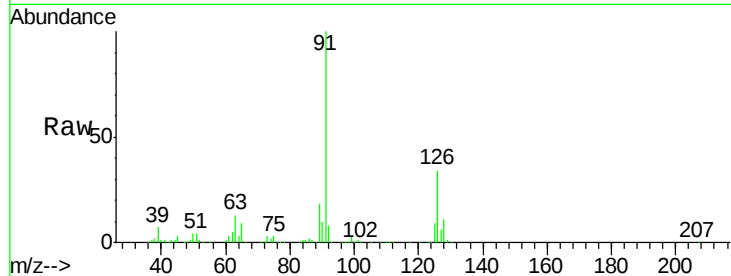
126 34.6 17.3 51.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 55.656 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034464.D

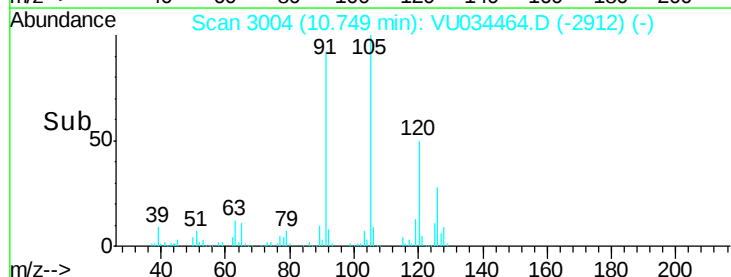
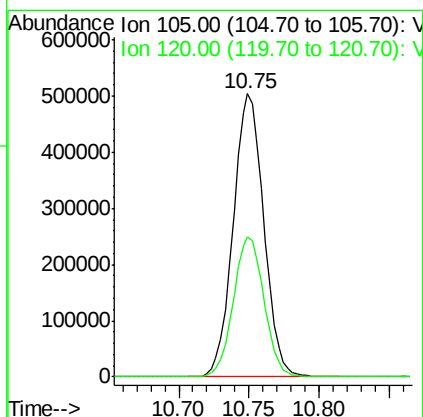
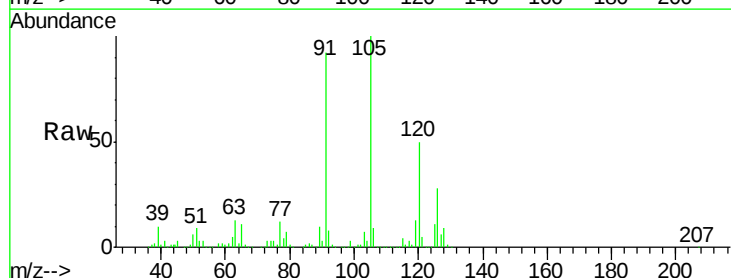
Acq: 10 Sep 2019 20:13

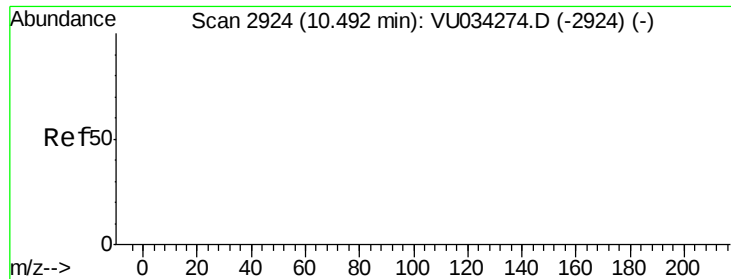
Tgt Ion: 105 Resp: 764637

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 54.508 ug/l

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

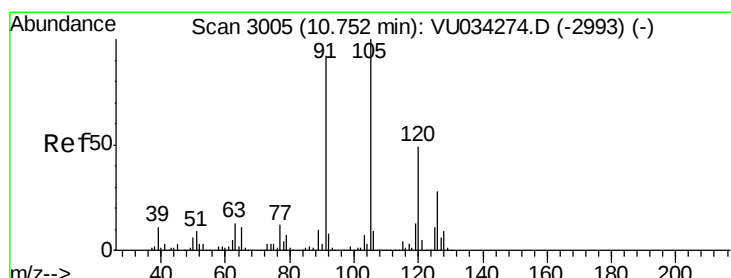
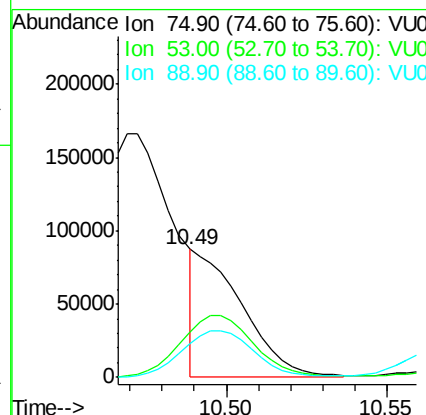
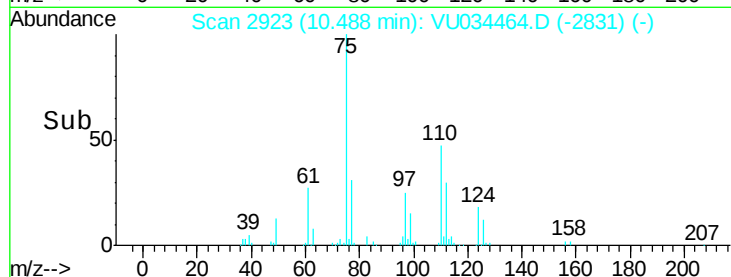
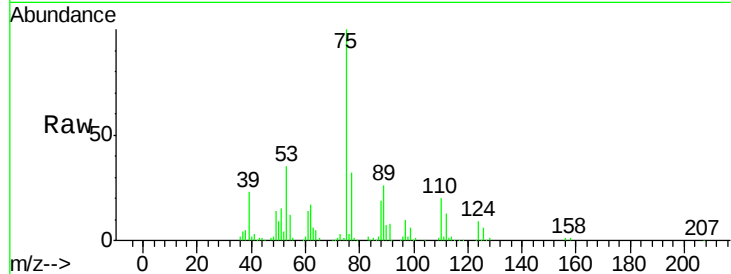
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050EC

Tot 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: 53.789 ug/l

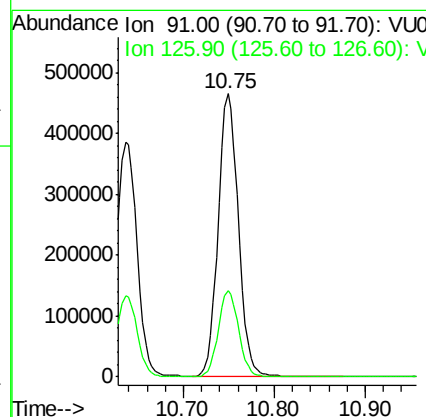
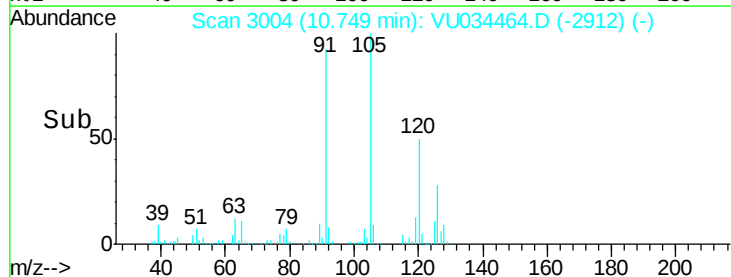
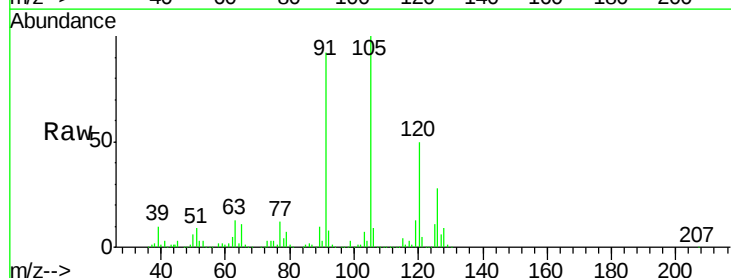
RT: 10.75 min Scan# 3004

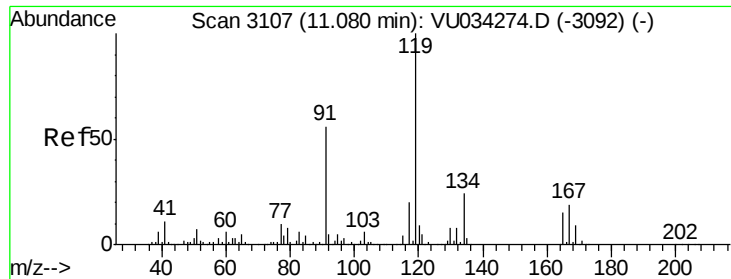
Delta R.T. -0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.3	45.8





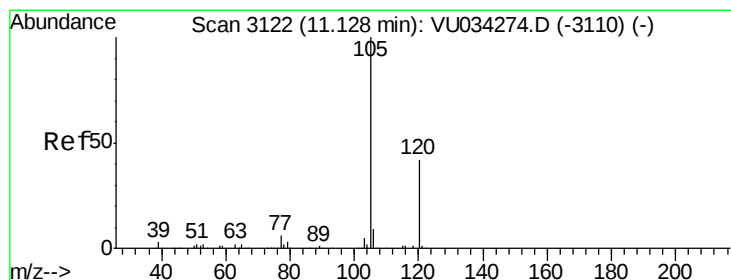
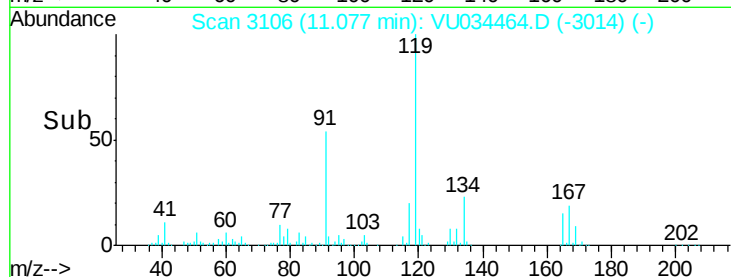
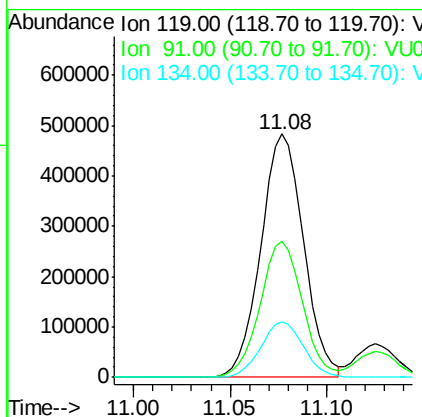
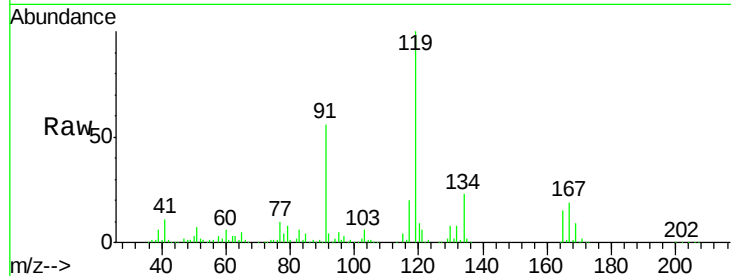
#83
tert-Butylbenzene
Concen: 53.897 ug/l
RT: 11.08 min Scan# 3106
Delta R.T. -0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.3	27.8	83.4
134	22.8	11.7	35.0

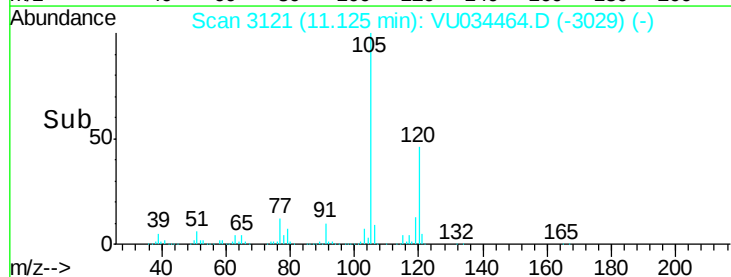
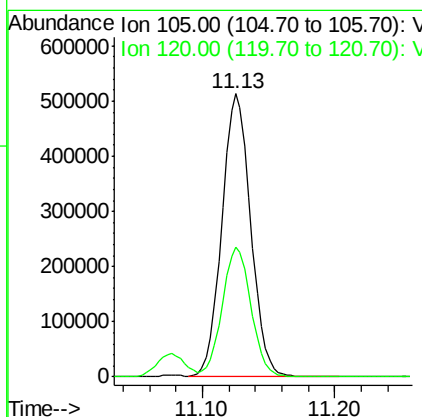
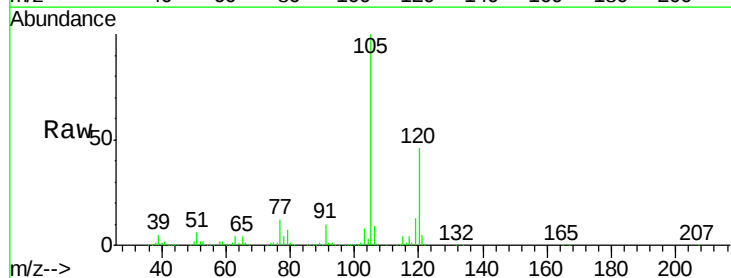
Manual Integrations
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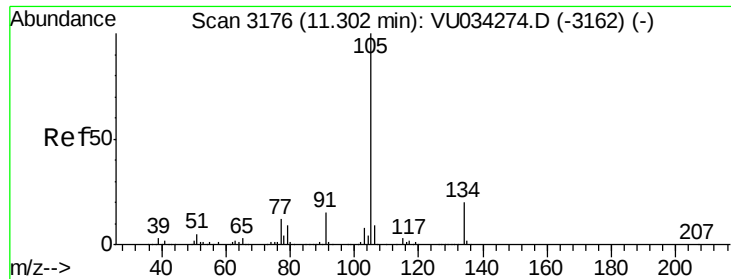
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 55.757 ug/l
RT: 11.13 min Scan# 3121
Delta R.T. -0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.9	68.8





#85

sec-Butylbenzene

Concen: 54.394 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 882575

Ion Ratio Lower Upper

105 100

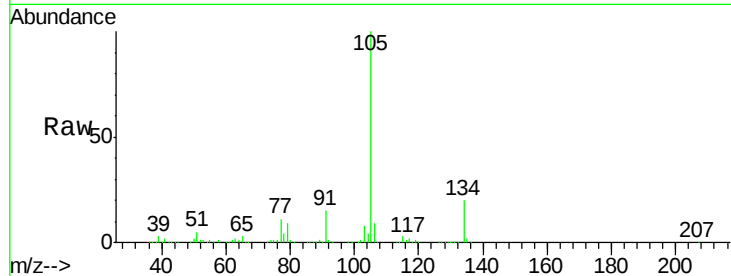
134 20.2 10.1 30.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.30

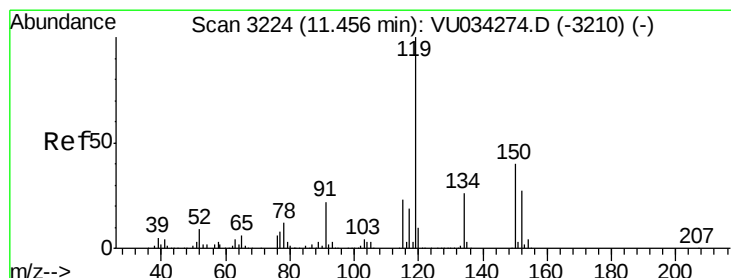
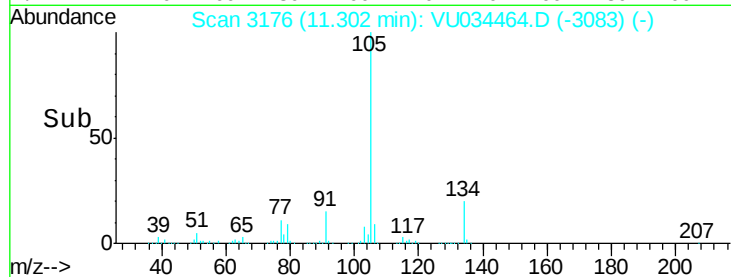
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 55.110 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034464.D

Acq: 10 Sep 2019 20:13

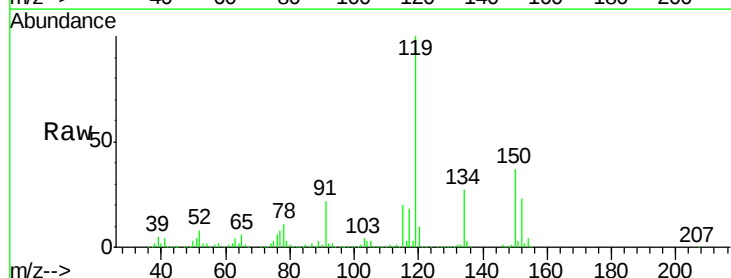
Tgt Ion:119 Resp: 825328

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 22.2 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU

11.45

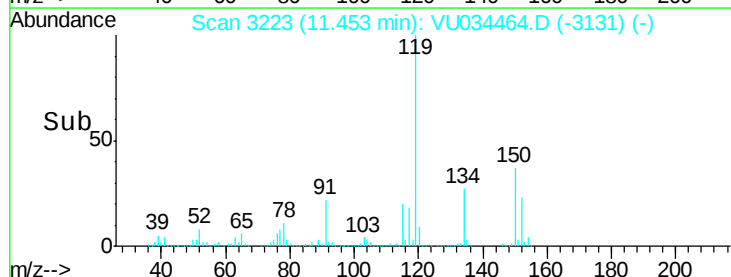
600000

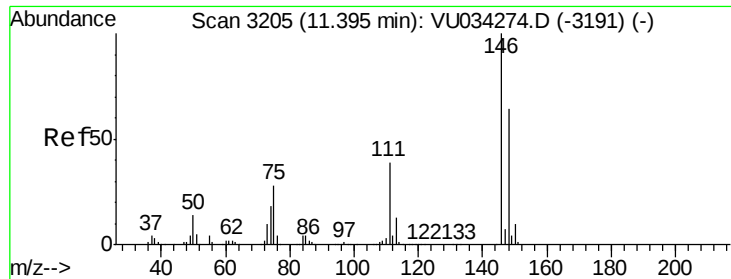
400000

200000

0

Time-->





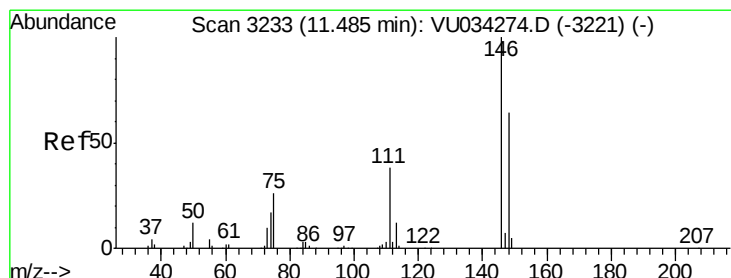
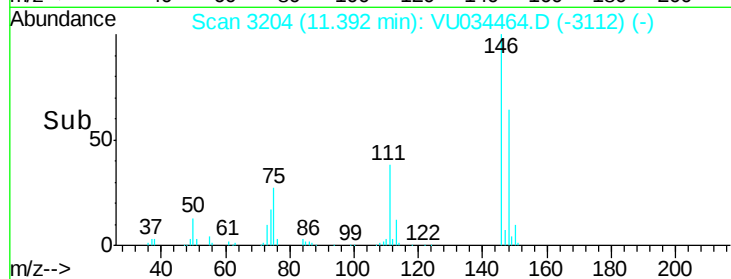
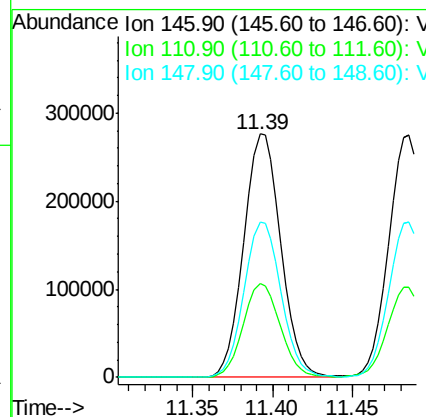
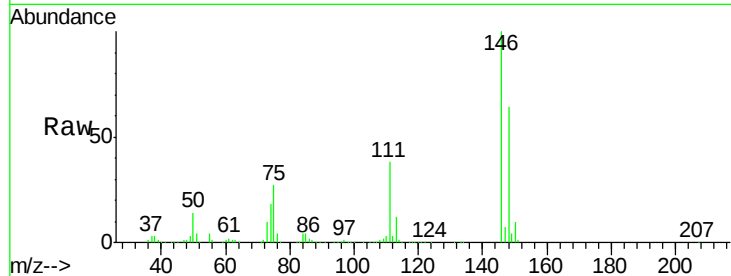
#87
 1,3-Dichlorobenzene
 Concen: 52.091 ug/l
 RT: 11.39 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.5	58.5
148	63.8	32.1	96.3

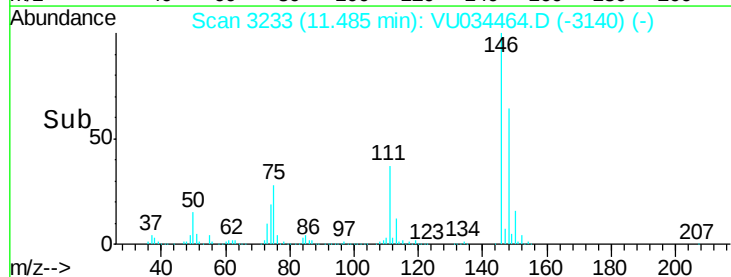
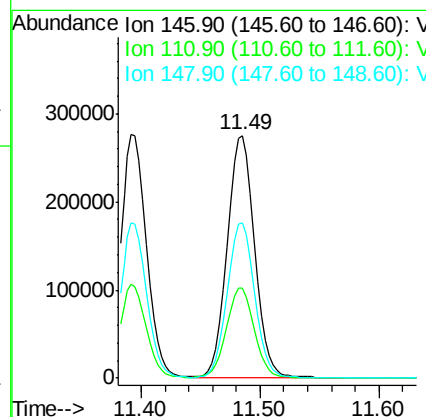
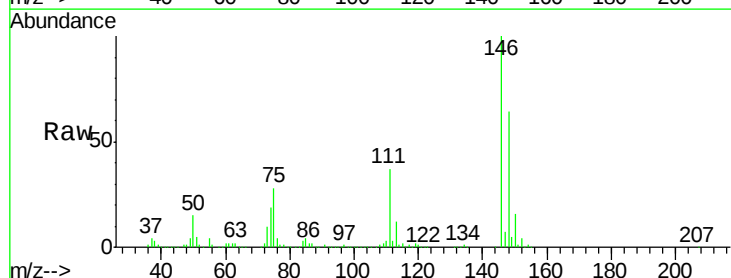
Manual Integrations
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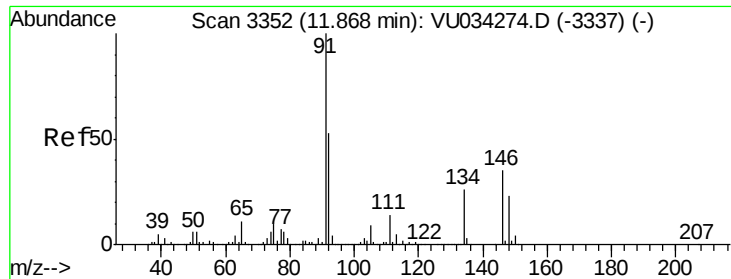
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 50.209 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.3
148	64.1	32.0	96.0





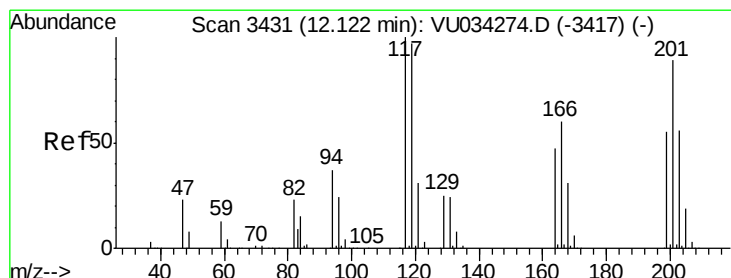
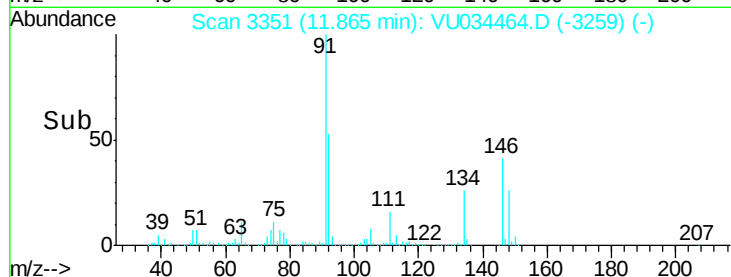
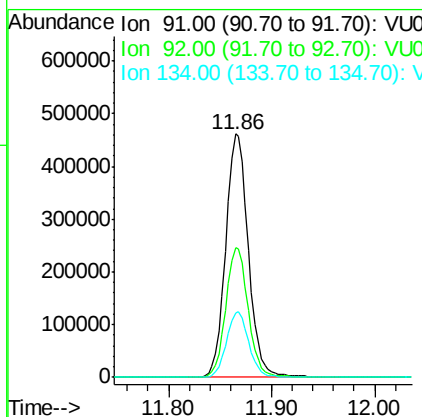
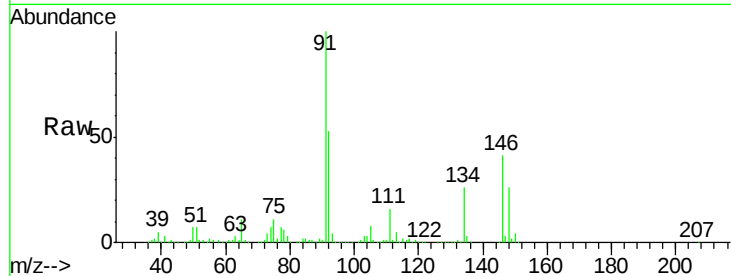
#89
n-Butylbenzene
Concen: 54.371 ug/l
RT: 11.86 min Scan# 3351
Delta R.T. -0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.4
134	26.6	13.2	39.6

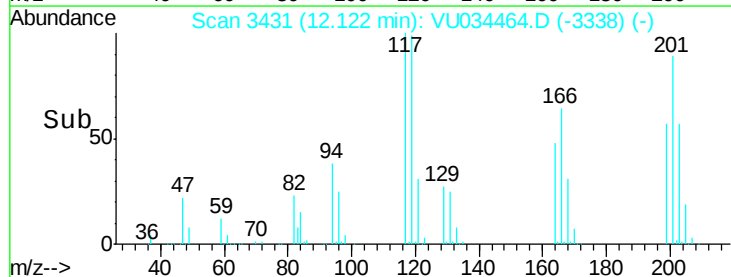
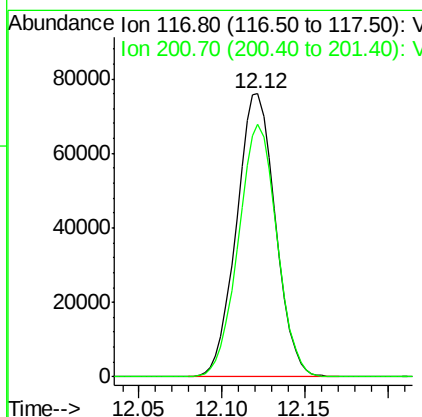
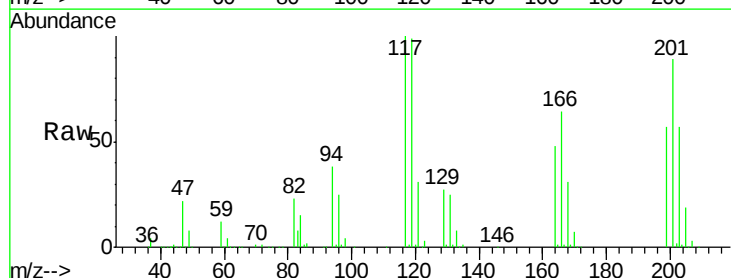
Manual Integrations
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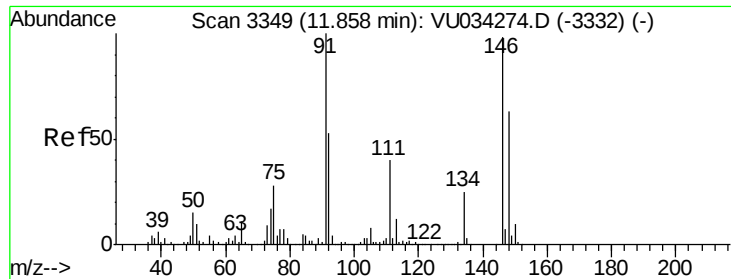
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#90
Hexachloroethane
Concen: 51.777 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. 0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	44.1	132.4





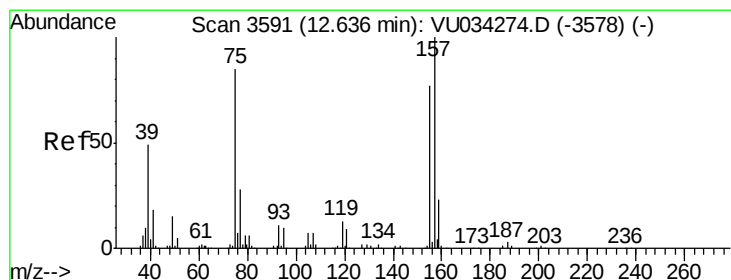
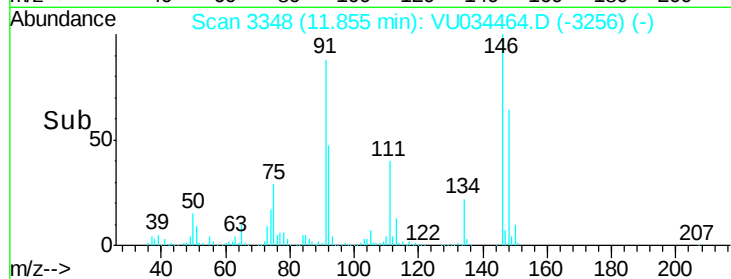
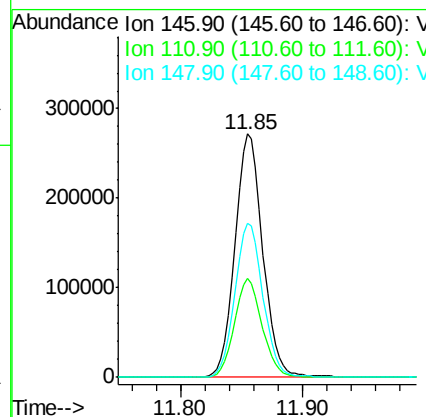
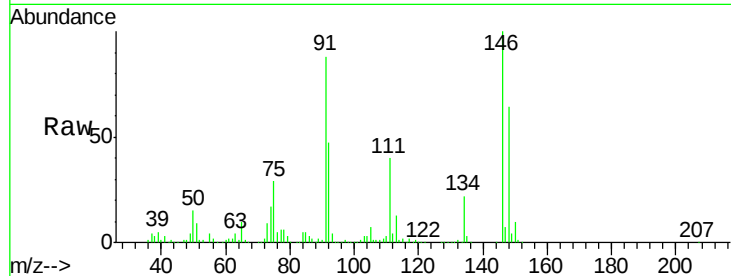
#91
 1,2-Dichlorobenzene
 Concen: 52.357 ug/l
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	60.0
148	64.1	31.6	94.8

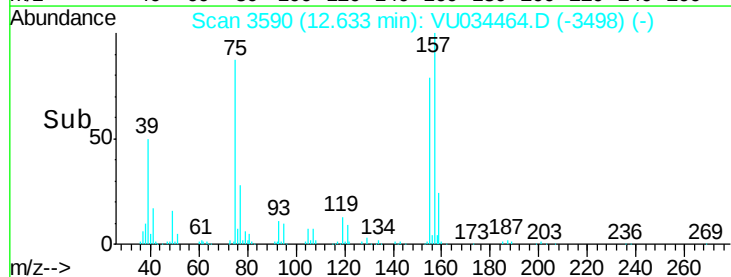
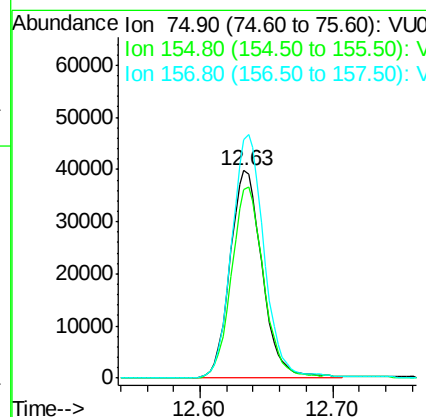
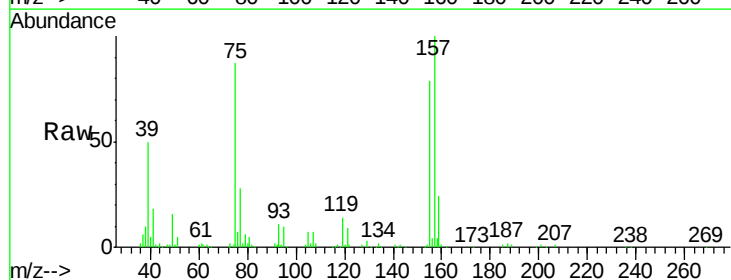
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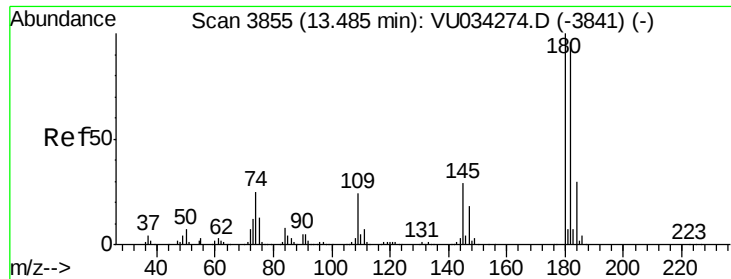
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.020 ug/l
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.8	44.6	134.0
157	118.4	58.2	174.6





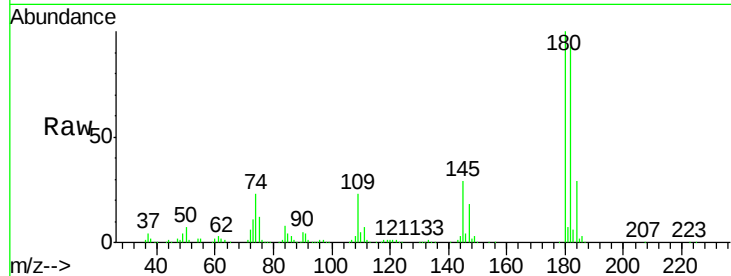
#93
 1,2,4-Trichlorobenzene
 Concen: 49.538 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

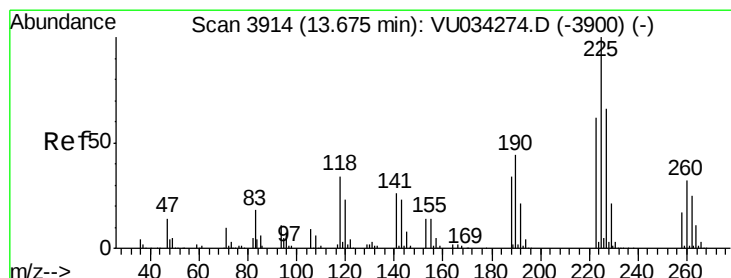
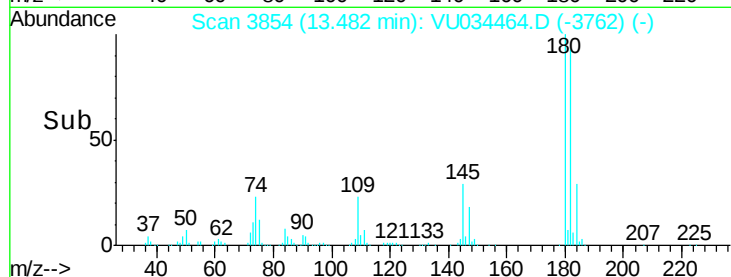
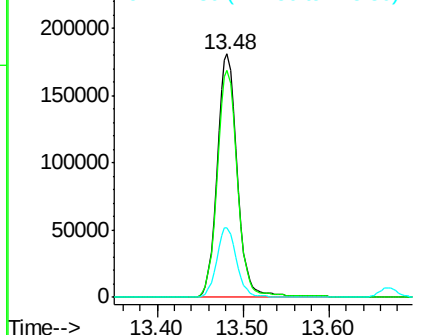
Tot Ion	Ratio	Resp	Lower	Upper
180	100	295743		
182	94.2	47.9	143.8	
145	28.7	14.4	43.0	

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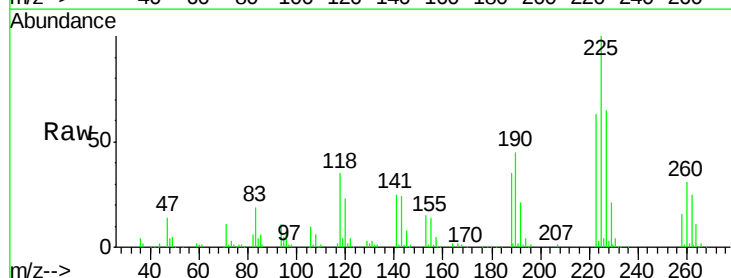


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

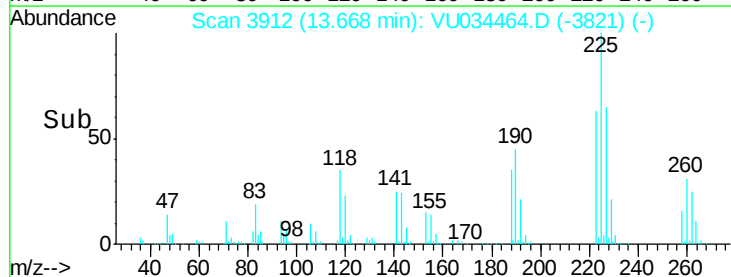
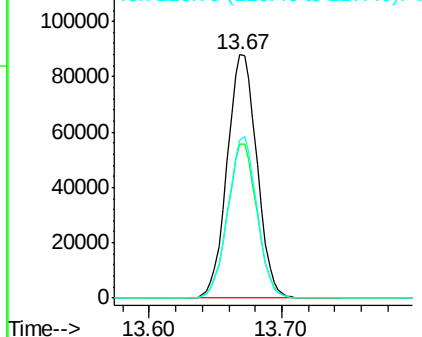


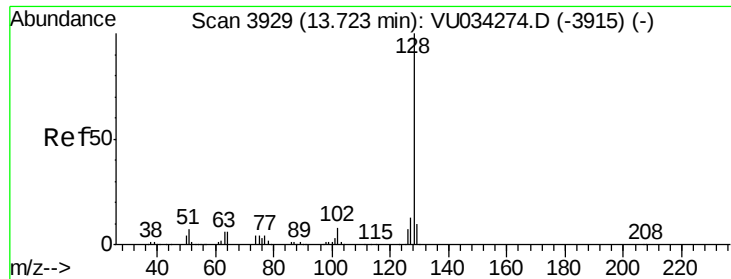
#94
 Hexachlorobutadiene
 Concen: 47.649 ug/l
 RT: 13.67 min Scan# 3912
 Delta R.T. -0.01 min
 Lab File: VU034464.D
 Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	137297		
223	62.6	31.6	94.7	
227	64.6	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





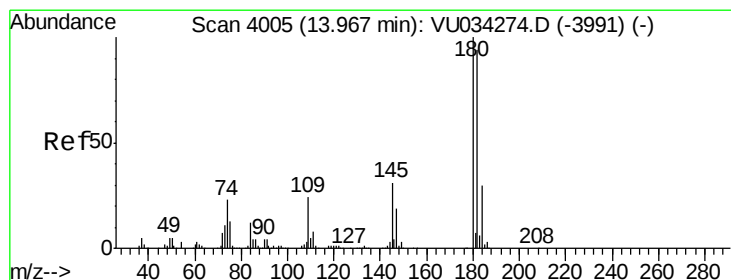
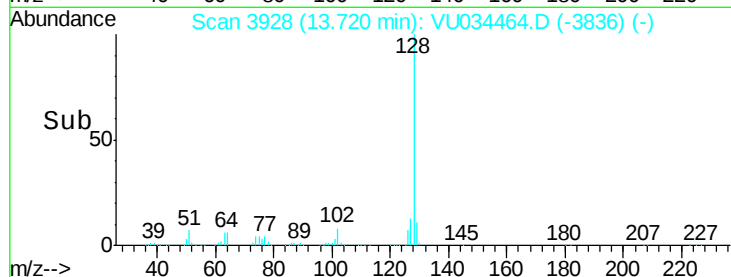
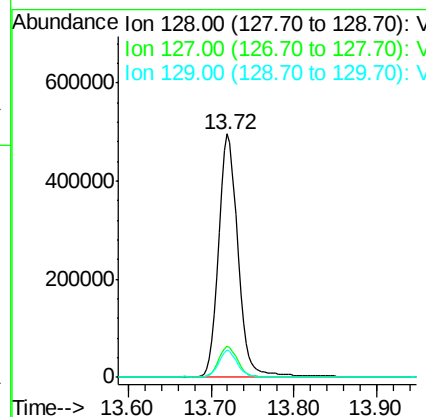
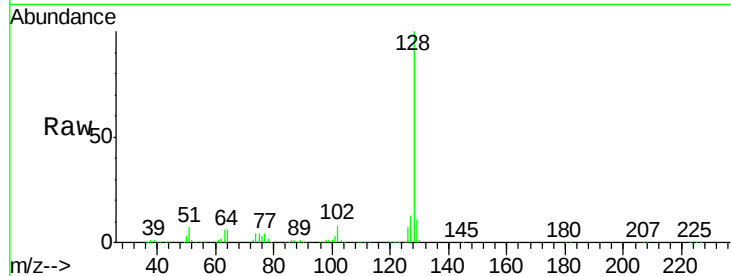
#95
Naphthalene
Concen: 48.348 ug/l
RT: 13.72 min Scan# 3928
Delta R.T. -0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	10.6	8.4	12.6

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#96
1,2,3-Trichlorobenzene
Concen: 50.601 ug/l
RT: 13.96 min Scan# 4004
Delta R.T. -0.00 min
Lab File: VU034464.D
Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.4	145.0
145	30.2	15.4	46.4

