

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U090719\
 Data File : VU034366.D
 Acq On : 07 Sep 2019 05:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:31:44 PM

Quant Time: Sep 07 06:34:30 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	305616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	463773	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	455776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	296031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	207741	44.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.86%	
35) Dibromofluoromethane	4.86	113	188823	43.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.52%	
50) Toluene-d8	7.54	98	743897	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
62) 4-Bromofluorobenzene	10.29	95	280413	44.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	140983	44.108	ug/l	100
3) Chloromethane	1.32	50	165231	47.845	ug/l	100
4) Vinyl Chloride	1.40	62	177992	44.688	ug/l	98
5) Bromomethane	1.61	94	114577	57.302	ug/l	98
6) Chloroethane	1.69	64	115173	49.746	ug/l	98
7) Trichlorofluoromethane	1.88	101	248058	46.449	ug/l	97
8) Diethyl Ether	2.10	74	115786	49.289	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	163185	46.135	ug/l	99
10) Methyl Iodide	2.40	142	163830	50.577	ug/l	100
11) Tert butyl alcohol	2.81	59	249057	254.947	ug/l	100
12) 1,1-Dichloroethene	2.27	96	158179	47.571	ug/l	97
13) Acrolein	2.18	56	128523	156.531	ug/l	98
14) Allyl chloride	2.58	41	286906m	45.132	ug/l	
15) Acrylonitrile	2.92	53	618591	254.282	ug/l	99
16) Acetone	2.31	43	478787	200.084	ug/l	98
17) Carbon Disulfide	2.47	76	318803	42.659	ug/l	99
18) Methyl Acetate	2.60	43	274439	47.133	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	629666	51.953	ug/l	99
20) Methylene Chloride	2.69	84	198922	50.759	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	169093	48.257	ug/l	97
22) Diisopropyl ether	3.55	45	624031	50.337	ug/l	98
23) Vinyl Acetate	3.50	43	2584547	255.942	ug/l	98
24) 1,1-Dichloroethane	3.43	63	353125	47.697	ug/l	99
25) 2-Butanone	4.24	43	794456	248.715	ug/l	98
26) 2,2-Dichloropropane	4.20	77	214937	36.097	ug/l	97
27) cis-1,2-Dichloroethene	4.20	96	219495	51.576	ug/l	94
28) Bromochloromethane	4.52	49	171035	50.226	ug/l	96
29) Tetrahydrofuran	4.61	42	501932	258.233	ug/l	98
30) Chloroform	4.65	83	352979	46.906	ug/l	98
31) Cyclohexane	4.97	56	256151	47.293	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	290722	48.319	ug/l	98
36) 1,1-Dichloropropene	5.12	75	235459	46.814	ug/l	99
37) Ethyl Acetate	4.36	43	286354	48.153	ug/l	99
38) Carbon Tetrachloride	5.11	117	248593	46.290	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	254428	47.320	ug/l	99
40) Benzene	5.37	78	757383	46.667	ug/l	100
41) Methacrylonitrile	4.52	41	159405	50.324	ug/l	98
42) 1,2-Dichloroethane	5.38	62	255628	45.366	ug/l	98
43) Isopropyl Acetate	5.53	43	458151	49.387	ug/l	98
44) Trichloroethene	6.16	130	219799	48.942	ug/l	99
45) 1,2-Dichloropropane	6.41	63	223225	47.049	ug/l	99
46) Dibromomethane	6.54	93	141475	47.504	ug/l	98
47) Bromodichloromethane	6.74	83	289202	47.176	ug/l	99
48) Methyl methacrylate	6.60	41	214713	48.731	ug/l	97
49) 1,4-Dioxane	6.59	88	101065	1050.428	ug/l	97
51) 4-Methyl-2-Pentanone	7.44	43	1571975	244.804	ug/l	98
52) Toluene	7.62	92	495777	48.697	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	293842	46.239	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	328586	47.111	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	219294	47.437	ug/l	99
56) Ethyl methacrylate	8.00	69	336327	48.016	ug/l	98
57) 1,3-Dichloropropane	8.22	76	359028	47.695	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	504159	214.685	ug/l	99
59) 2-Hexanone	8.34	43	1192080	248.500	ug/l	98
60) Dibromochloromethane	8.46	129	245385	49.488	ug/l	98
61) 1,2-Dibromoethane	8.57	107	218738	48.343	ug/l	99
64) Tetrachloroethene	8.21	164	195410	49.419	ug/l	98
65) Chlorobenzene	9.10	112	582597	50.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	213440	48.367	ug/l	99
67) Ethyl Benzene	9.23	91	975988	51.622	ug/l	98
68) m/p-Xylenes	9.35	106	752157	105.648	ug/l	99
69) o-Xylene	9.76	106	372982	53.570	ug/l	100
70) Styrene	9.77	104	666592	54.606	ug/l	98
71) Bromoform	9.94	173	192680	50.380	ug/l	# 100
73) Isopropylbenzene	10.14	105	1014500	52.660	ug/l	100
74) N-amyl acetate	9.99	43	424740	54.772	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	377336	48.389	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	318423m	49.278	ug/l	
77) Bromobenzene	10.43	156	279115	51.815	ug/l	97
78) n-propylbenzene	10.57	91	1151385	51.750	ug/l	99
79) 2-Chlorotoluene	10.64	91	691263	50.920	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	867219	53.824	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	81661m	42.499	ug/l	
82) 4-Chlorotoluene	10.75	91	810206	51.861	ug/l	99
83) tert-Butylbenzene	11.08	119	864414	53.630	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	874177	53.900	ug/l	99
85) sec-Butylbenzene	11.30	105	1020734	53.642	ug/l	100
86) p-Isopropyltoluene	11.45	119	937008	53.351	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	502210	51.092	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	508878	49.634	ug/l	100
89) n-Butylbenzene	11.87	91	800959	52.478	ug/l	99
90) Hexachloroethane	12.12	117	137502	48.935	ug/l	99
91) 1,2-Dichlorobenzene	11.85	146	499125	51.667	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	76923	53.682	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	356779	50.859	ug/l	100
94) Hexachlorobutadiene	13.67	225	154106	45.605	ug/l	99
95) Naphthalene	13.72	128	1077502	54.247	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	349280	51.528	ug/l	99

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

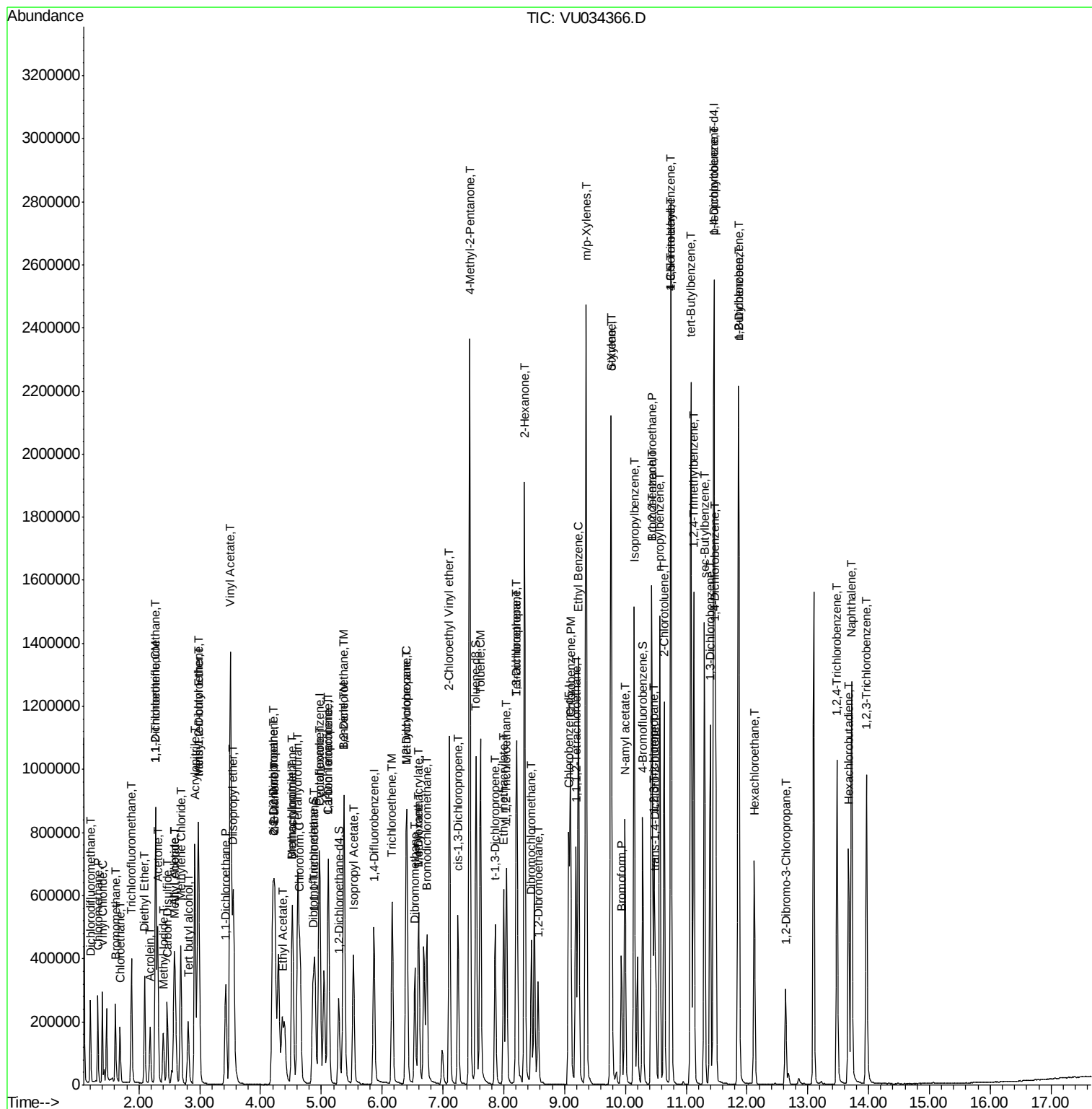
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090719\
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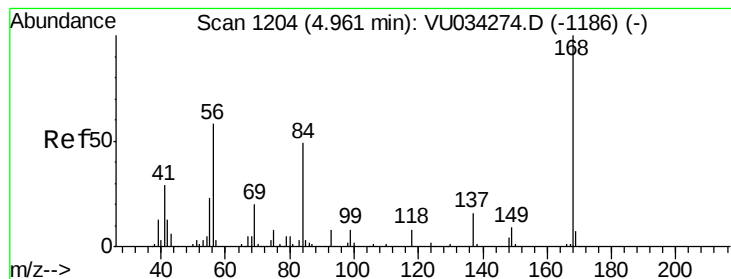
Instrument :
MSVOA_U
ClientSampleID :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 305616

Ion Ratio Lower Upper

168 100

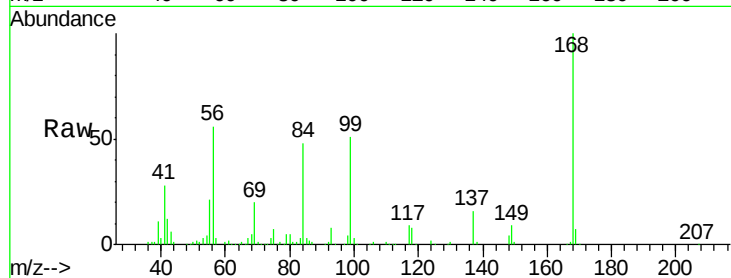
99 50.4 41.6 62.4

Manual Integrations

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

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

4.96

150000

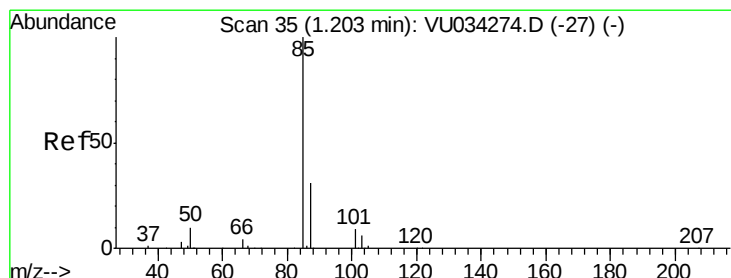
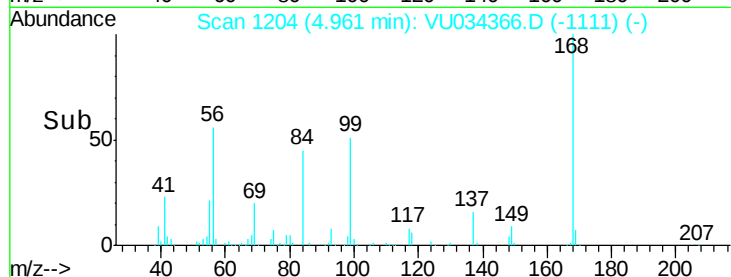
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.108 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034366.D

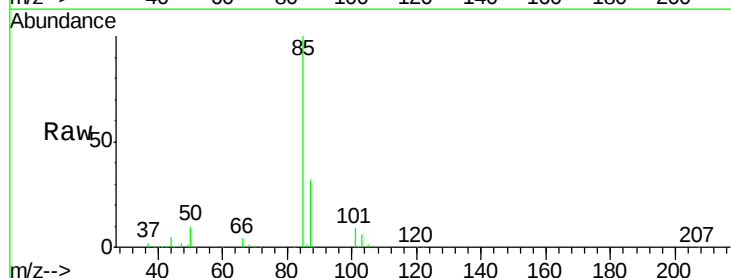
Acq: 07 Sep 2019 05:41

Tgt Ion: 85 Resp: 140983

Ion Ratio Lower Upper

85 100

87 31.5 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

150000

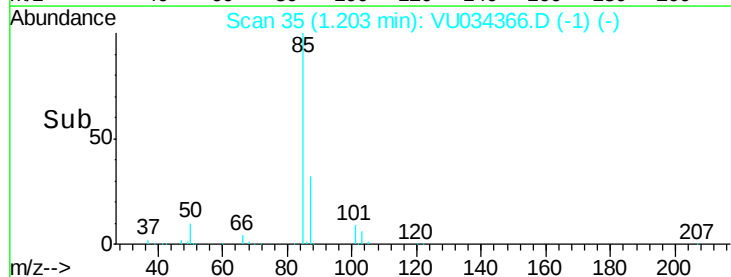
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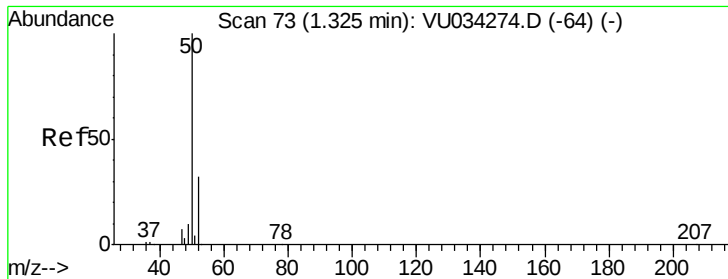
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 47.845 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 165231

Ion Ratio Lower Upper

50 100

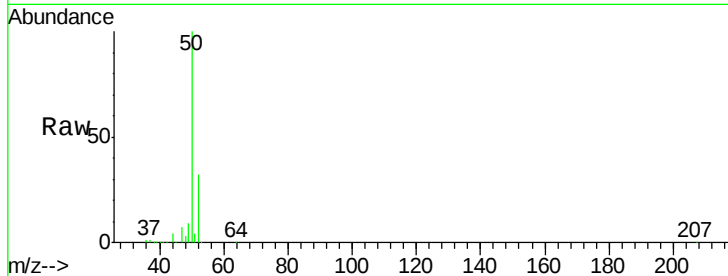
52 32.3 25.8 38.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.32

200000

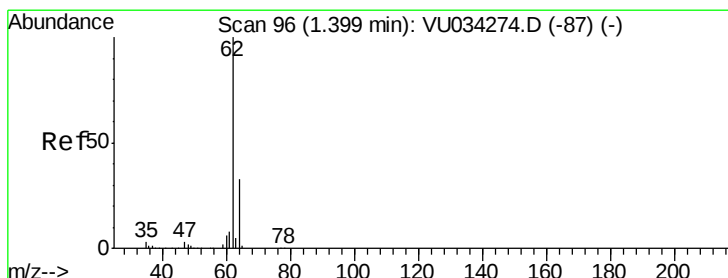
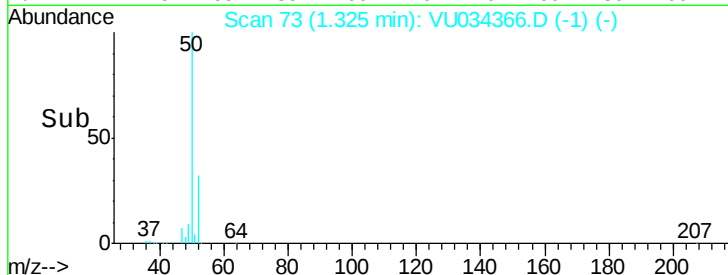
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 44.688 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034366.D

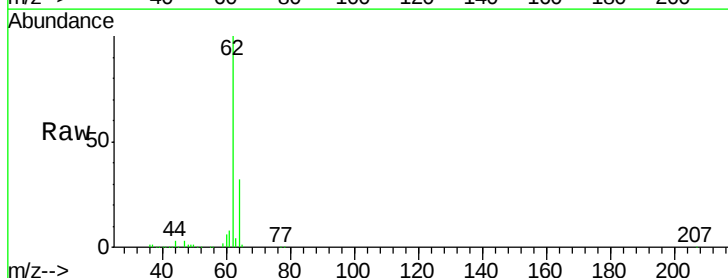
Acq: 07 Sep 2019 05:41

Tgt Ion: 62 Resp: 177992

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

200000

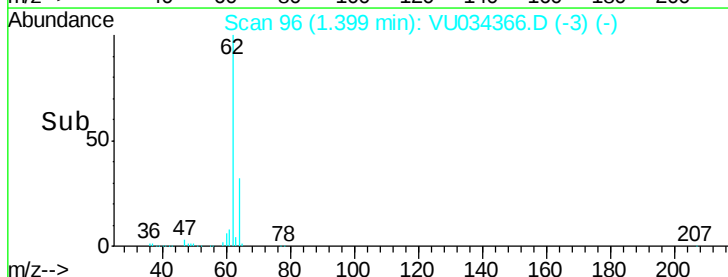
150000

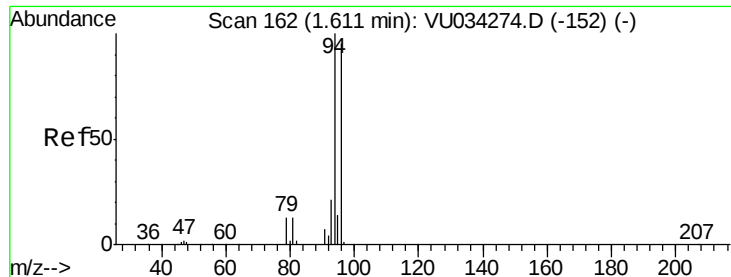
100000

50000

0

Time-->





#5

Bromomethane

Concen: 57.302 ug/l

RT: 1.61 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 114577

Ion Ratio Lower Upper

94 100

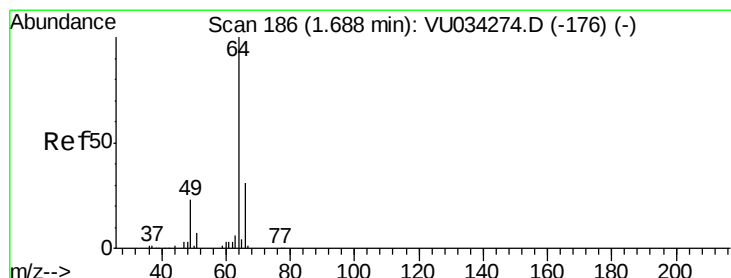
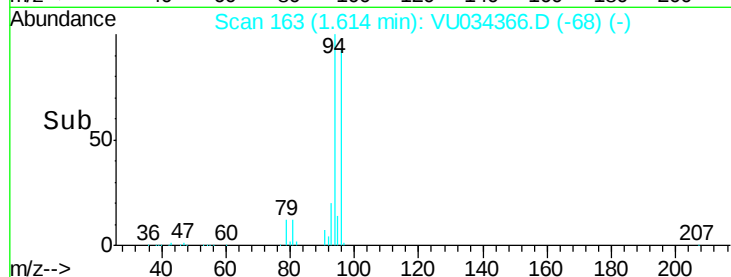
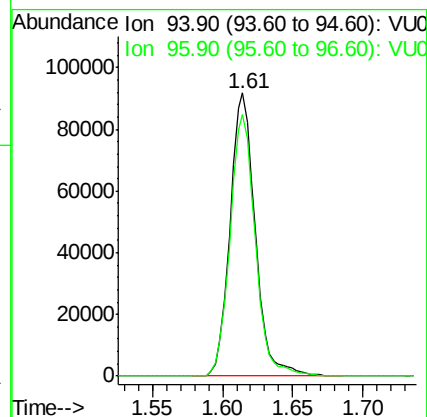
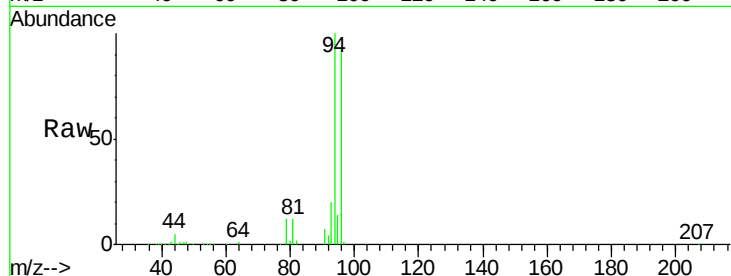
96 92.6 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 49.746 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034366.D

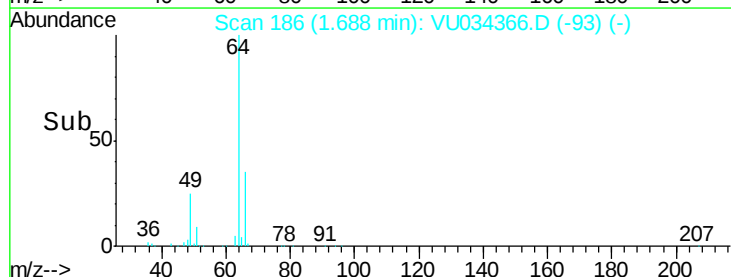
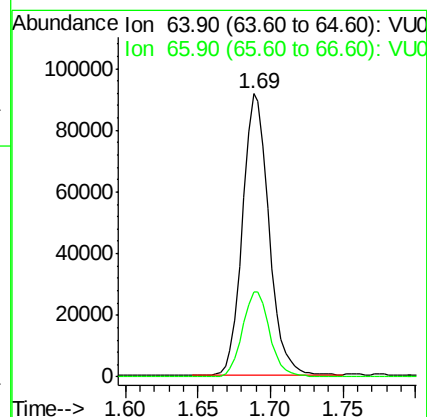
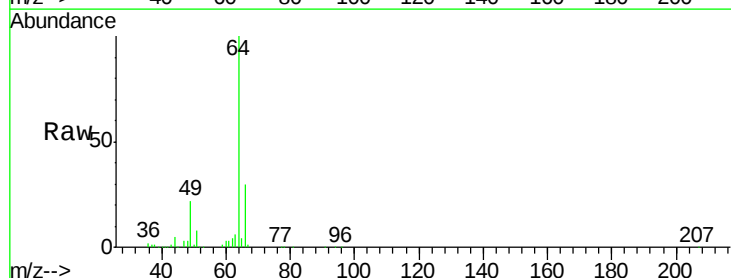
Acq: 07 Sep 2019 05:41

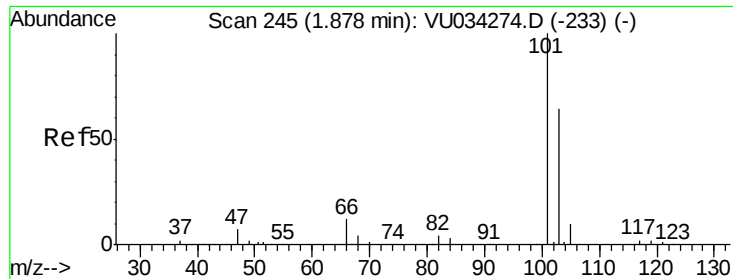
Tgt Ion: 64 Resp: 115173

Ion Ratio Lower Upper

64 100

66 30.1 25.0 37.6





#7

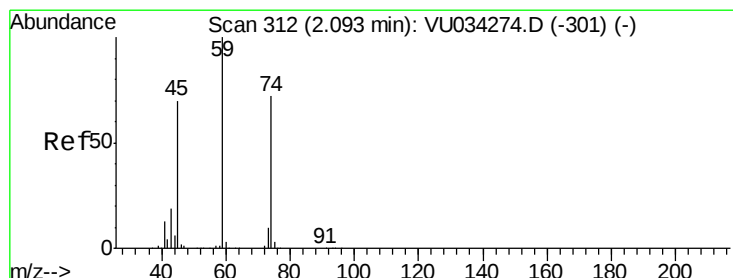
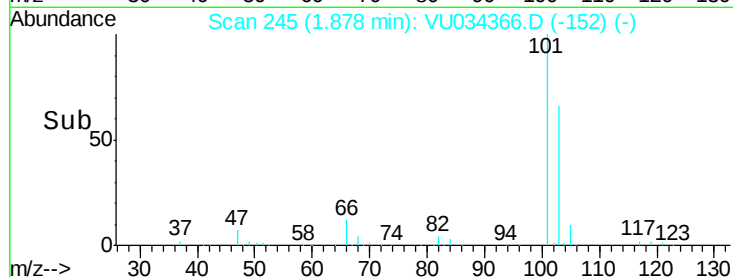
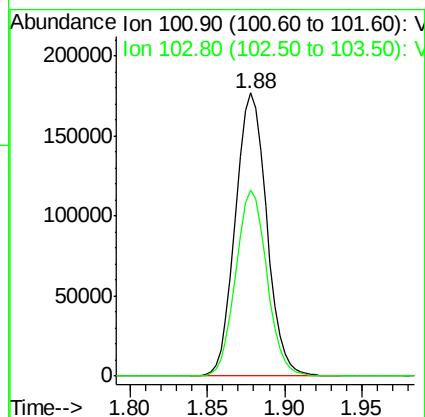
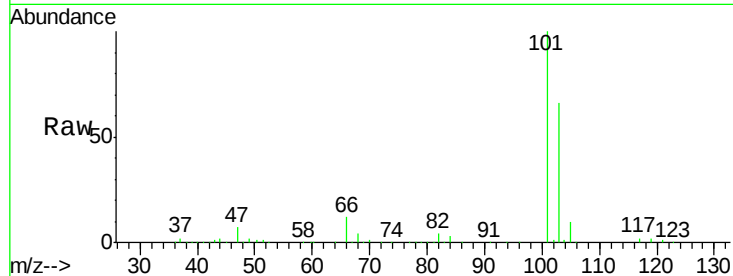
Trichlorofluoromethane
Concen: 46.449 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

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ClientSampleId :
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Tot Ion:101 Resp: 248058
Ion Ratio Lower Upper
101 100
103 65.9 51.0 76.6

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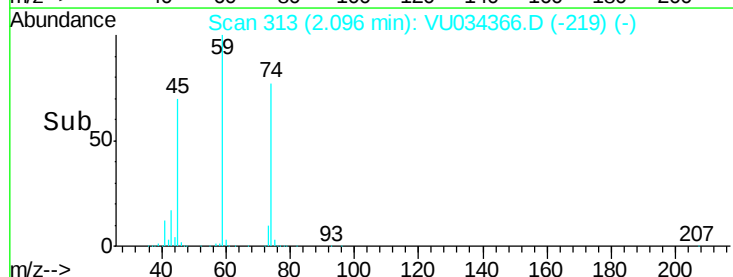
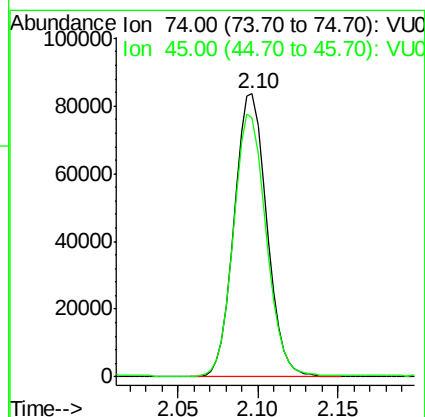
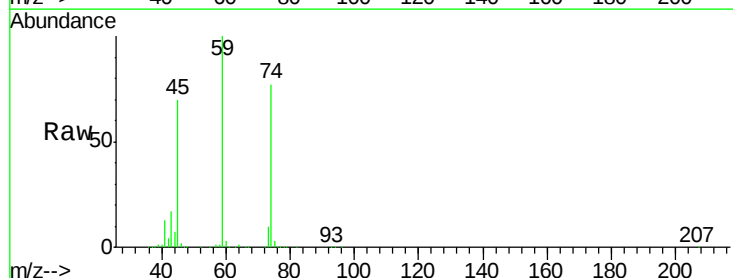
MMDadoda
9/10/2019 1:31:44 PM



#8

Diethyl Ether
Concen: 49.289 ug/l
RT: 2.10 min Scan# 313
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Tgt Ion: 74 Resp: 115786
Ion Ratio Lower Upper
74 100
45 92.9 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.135 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

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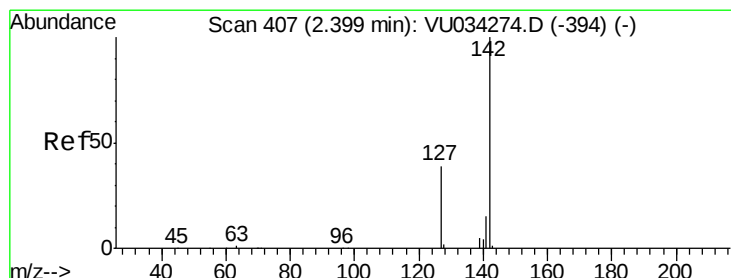
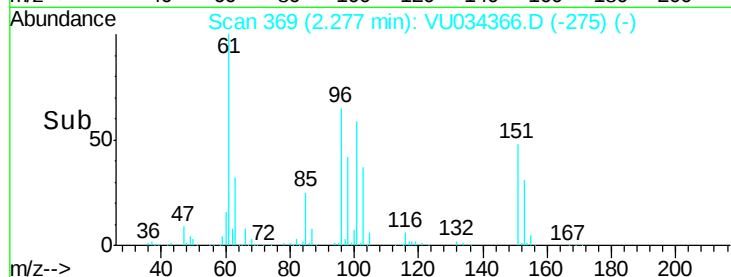
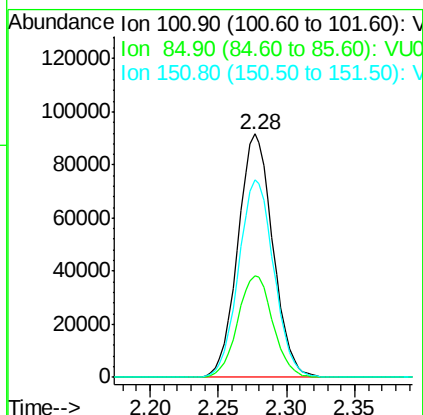
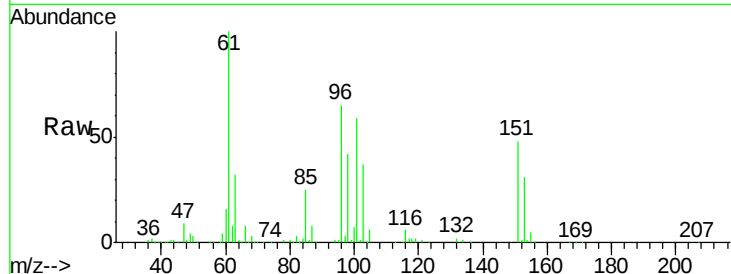
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	163185
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.4	51.6
151	81.8	64.4	96.6

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#10

Methyl Iodide

Concen: 50.577 ug/l

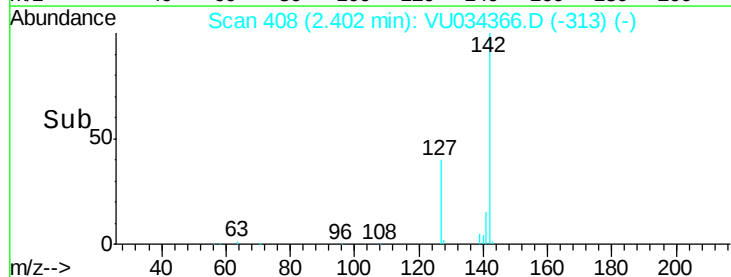
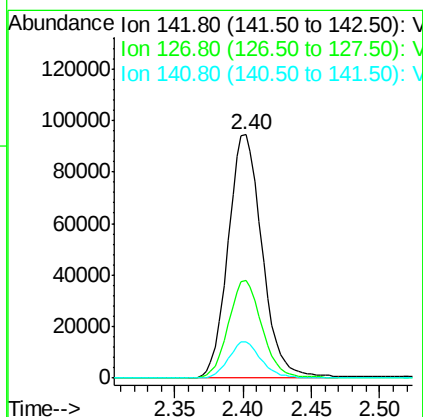
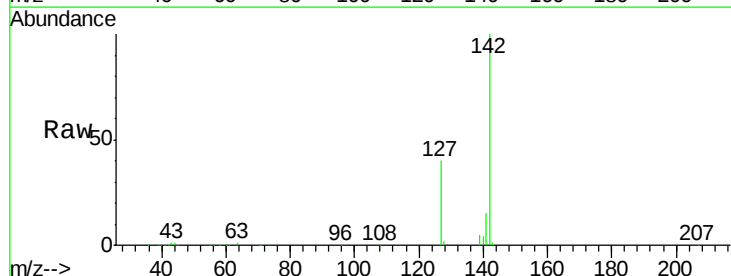
RT: 2.40 min Scan# 408

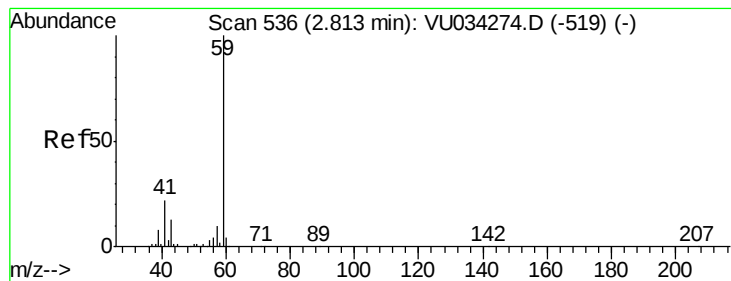
Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Tgt Ion:	142	Resp:	163830
Ion Ratio	Lower	Upper	
142	100		
127	39.8	32.1	48.1
141	14.3	11.5	17.3





#11

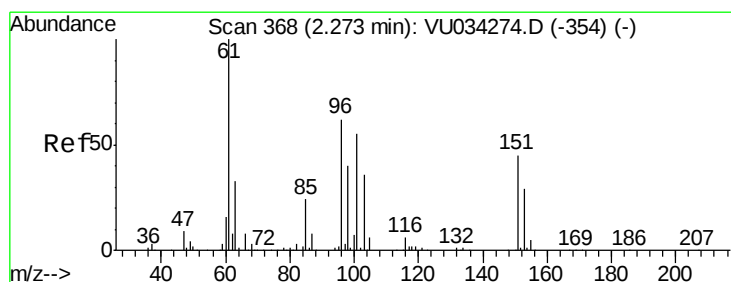
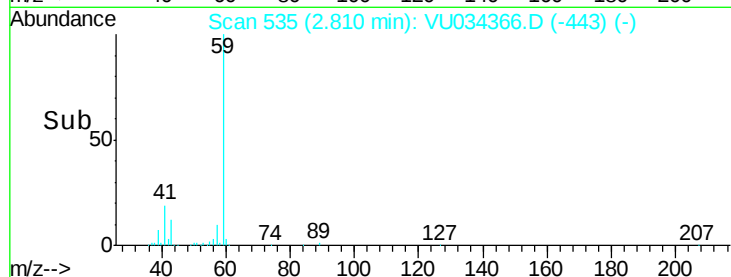
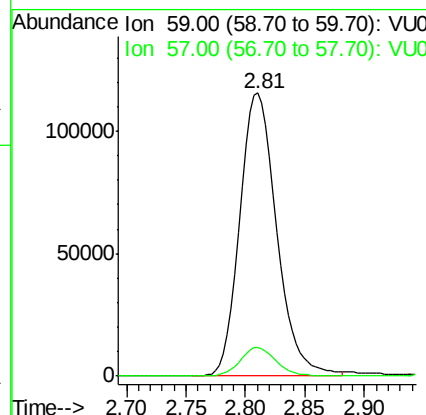
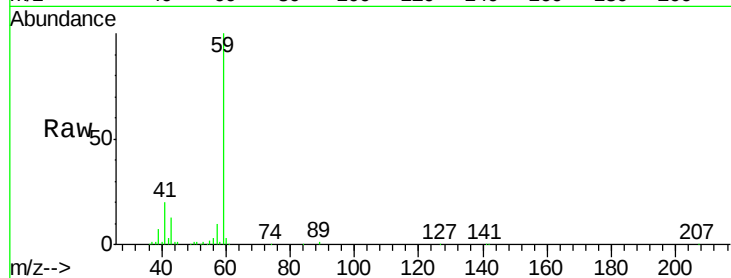
Tert butyl alcohol
 Concen: 254.947 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.9	11.9

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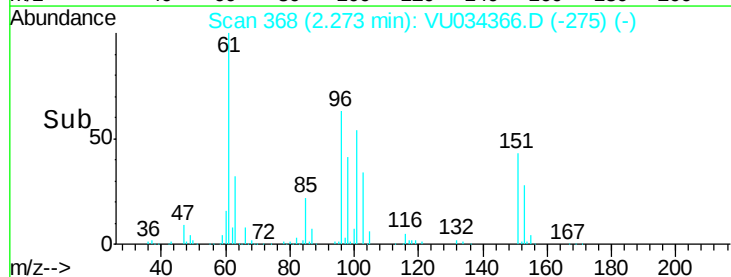
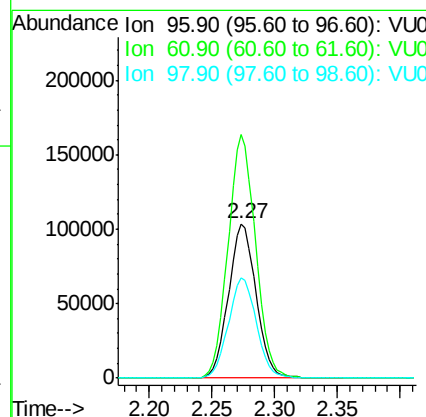
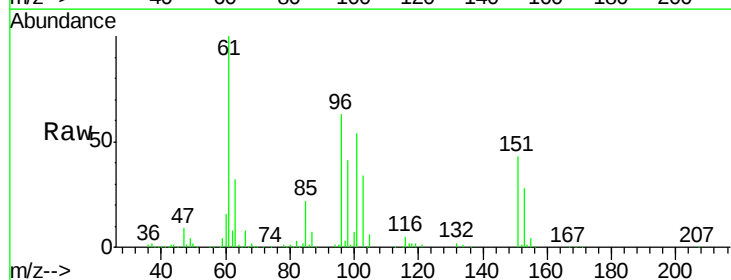
MMDadoda
 9/10/2019 1:31:44 PM

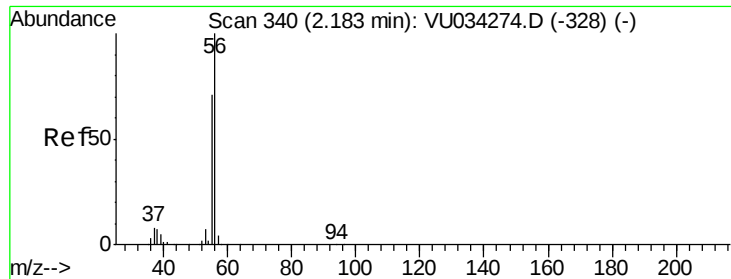


#12

1,1-Dichloroethene
 Concen: 47.571 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.7	130.0	195.0
98	65.1	52.2	78.4





#13

Acrolein

Concen: 156.531 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 128523

Ion Ratio Lower Upper

56 100

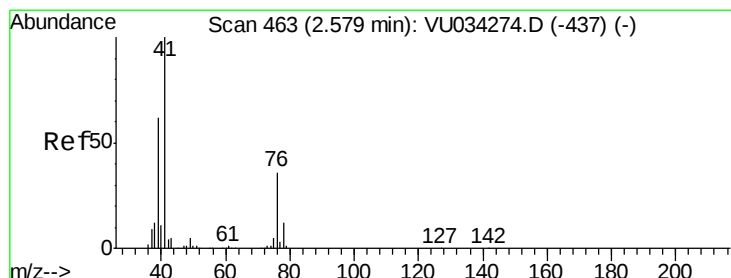
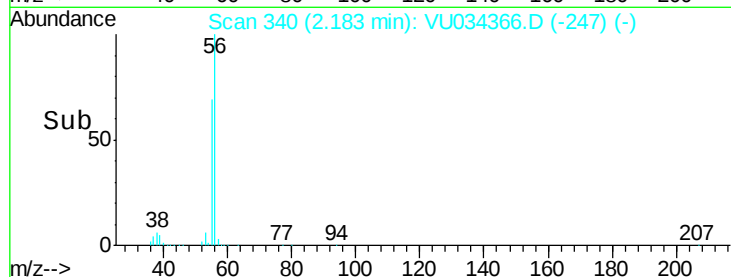
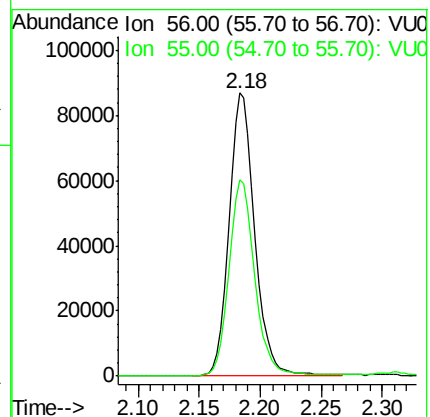
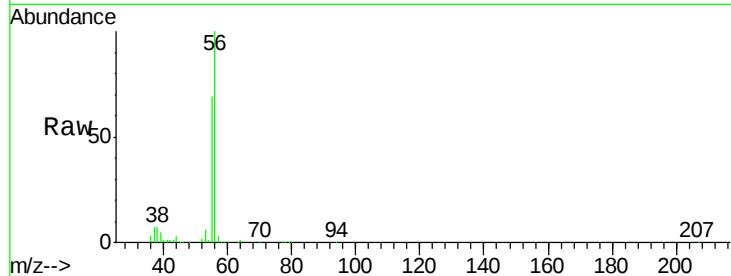
55 70.3 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 45.132 ug/l m

RT: 2.58 min Scan# 464

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

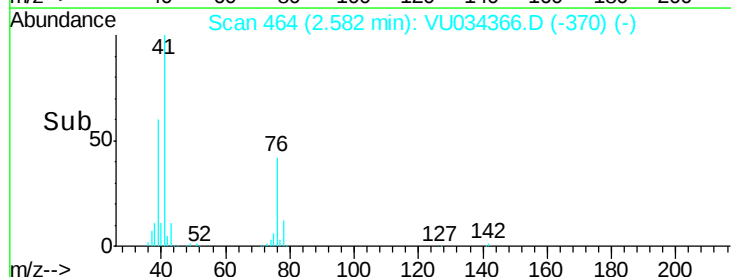
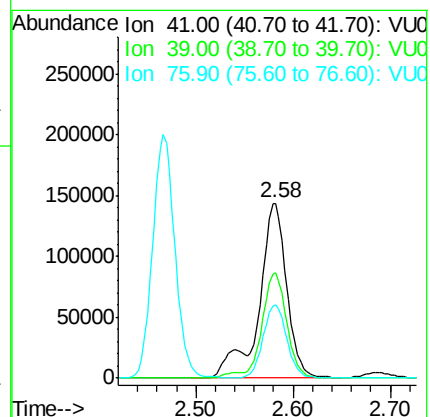
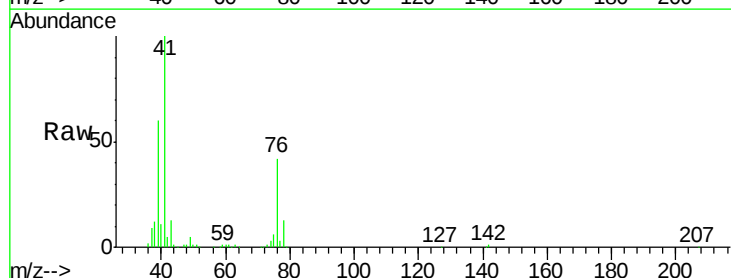
Tgt Ion: 41 Resp: 286906

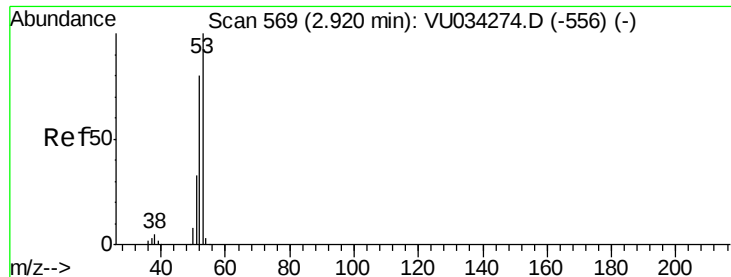
Ion Ratio Lower Upper

41 100

39 51.3 43.5 65.3

76 35.5 27.0 40.6





#15

Acrylonitrile

Concen: 254.282 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

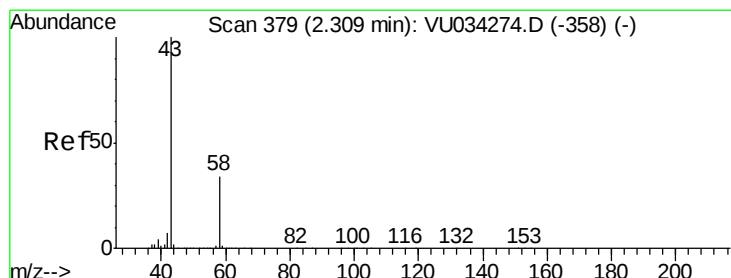
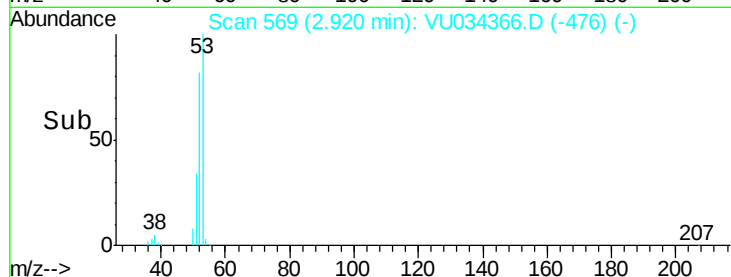
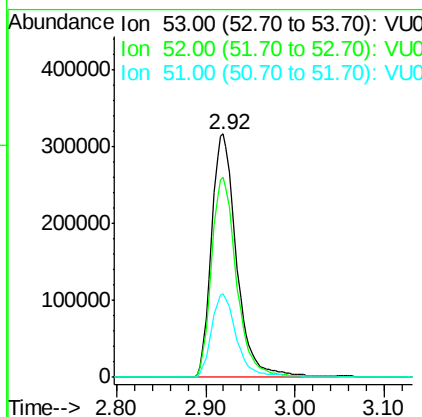
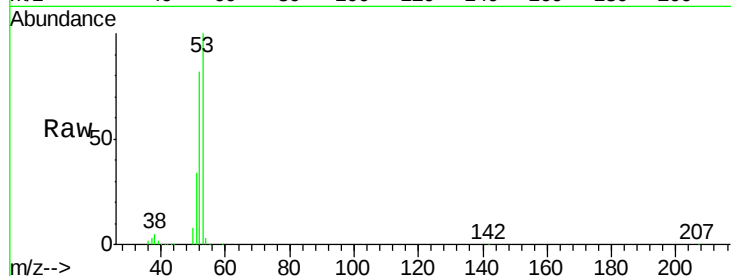
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	618591
Ion	Ratio	Lower	Upper
53	100		
52	81.7	64.1	96.1
51	34.6	27.4	41.0

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#16

Acetone

Concen: 200.084 ug/l

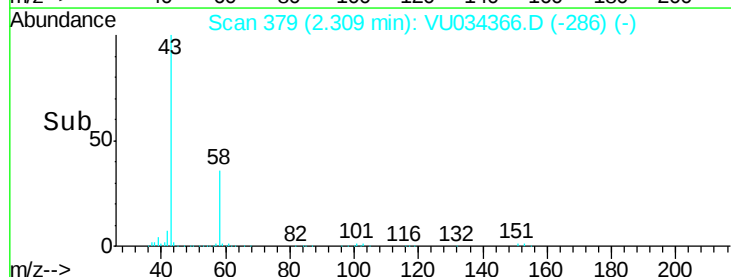
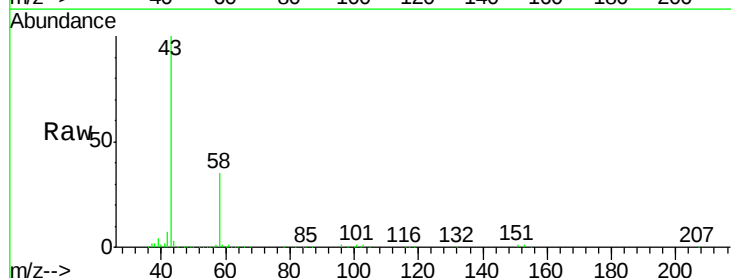
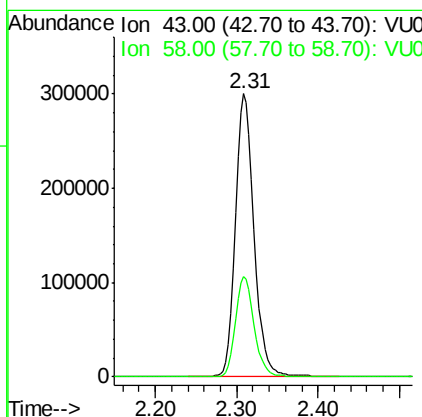
RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Tgt Ion:	43	Resp:	478787
Ion	Ratio	Lower	Upper
43	100		
58	35.4	27.6	41.4





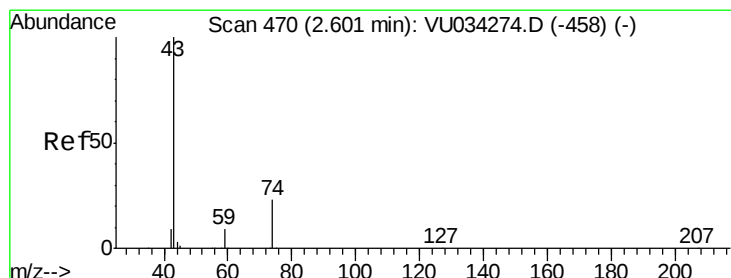
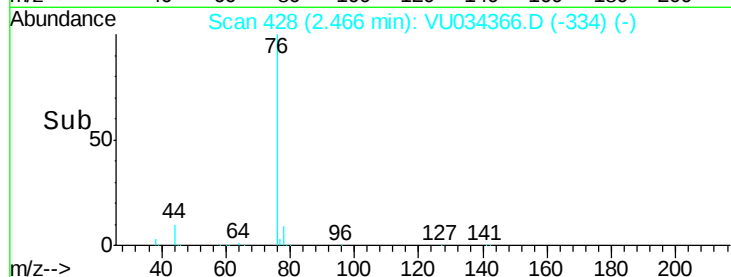
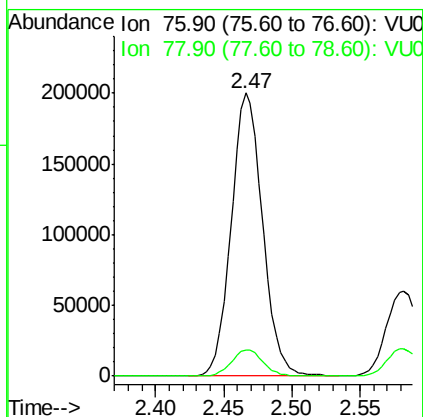
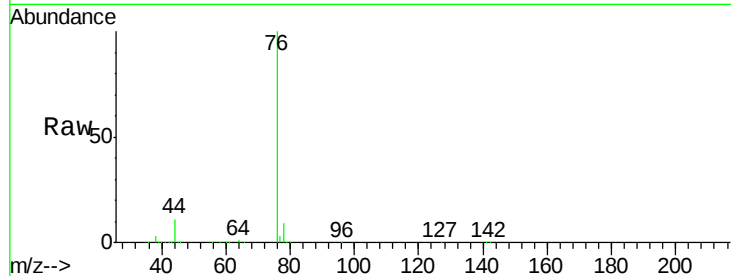
#17
Carbon Disulfide
Concen: 42.659 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

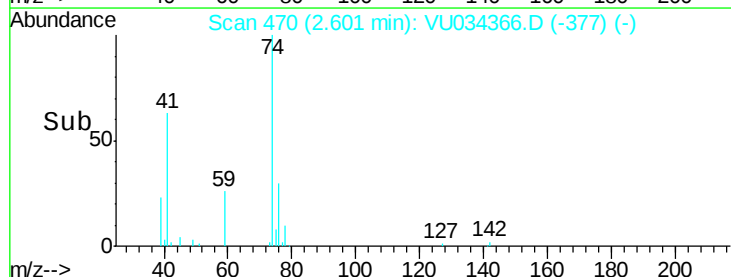
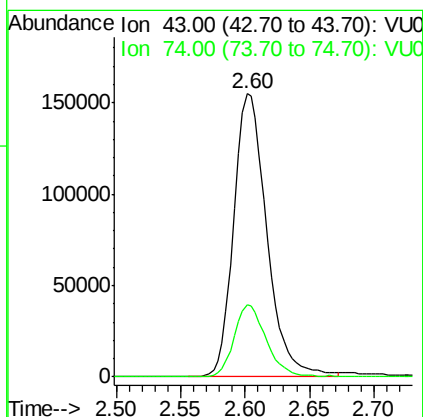
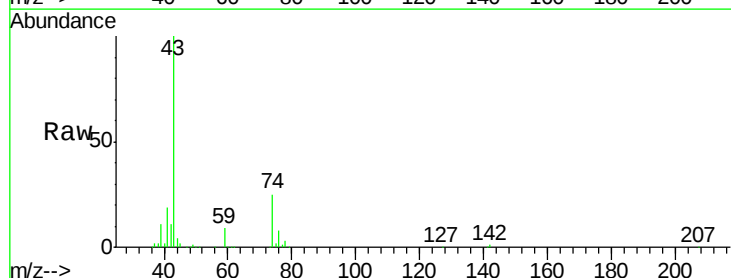
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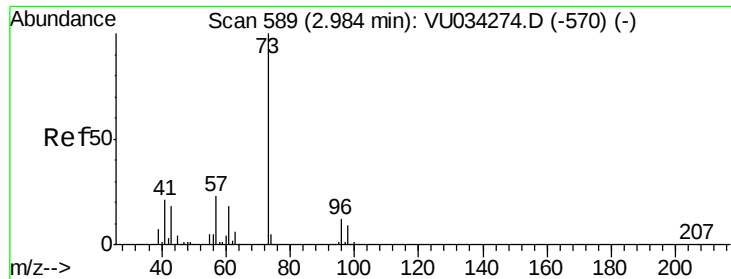
MMDadoda
9/10/2019 1:31:44 PM



#18
Methyl Acetate
Concen: 47.133 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	18.9	28.3





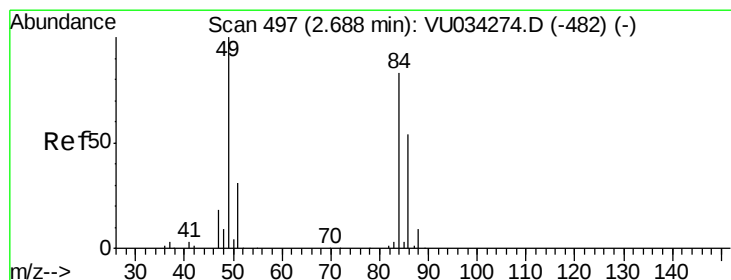
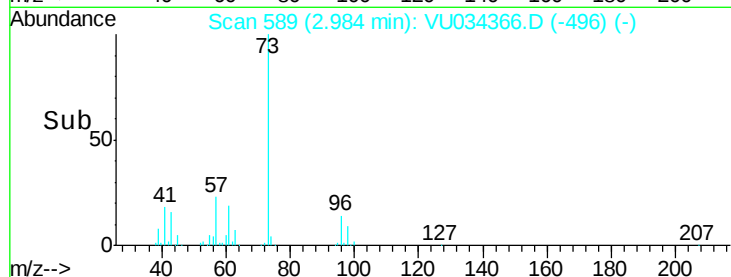
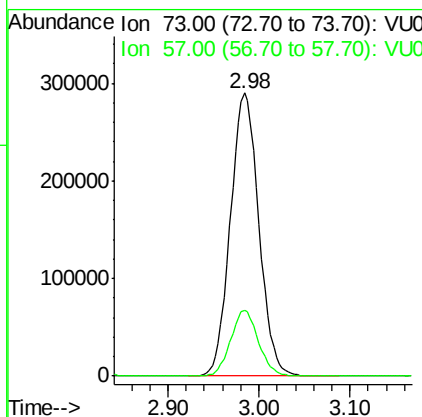
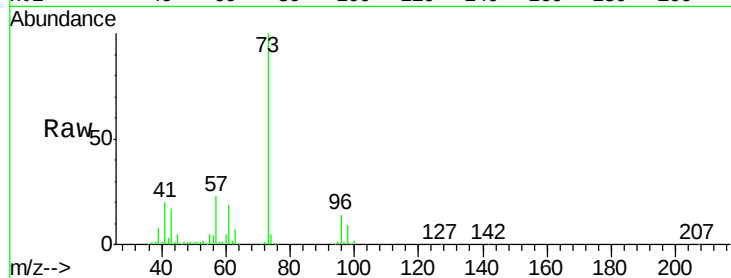
#19
Methvl tert-butvl Ether
Concen: 51.953 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 629666
Ion Ratio Lower Upper
73 100
57 23.4 18.2 27.4

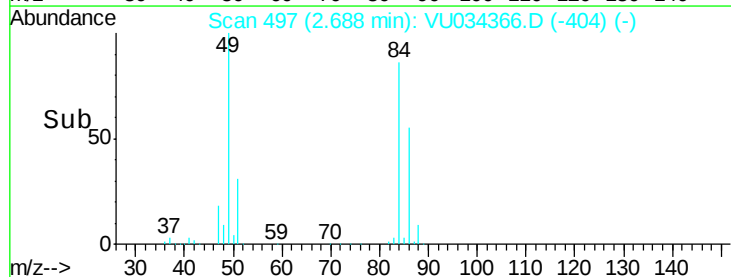
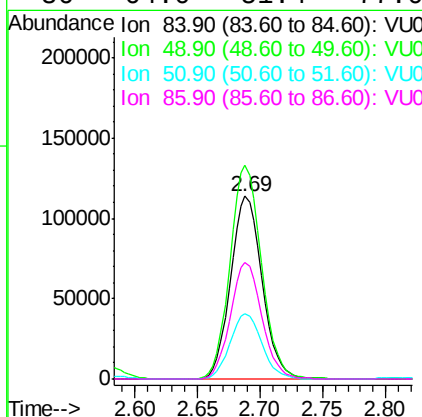
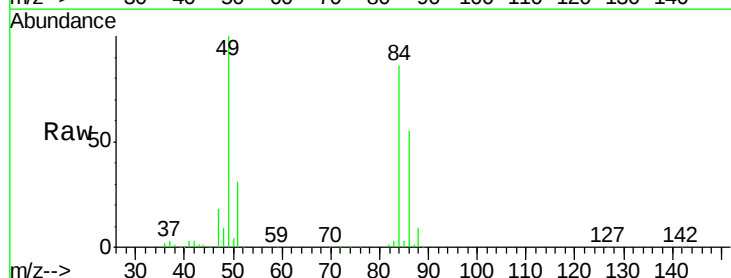
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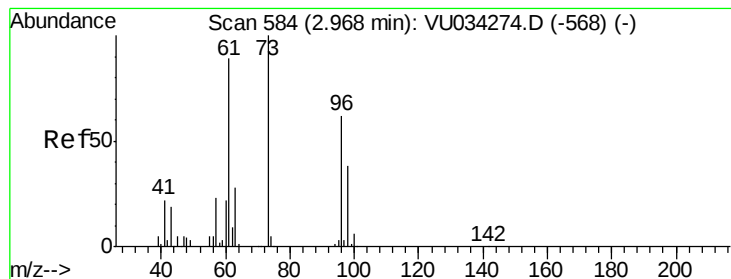
MMDadoda
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#20
Methylene Chloride
Concen: 50.759 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Tgt Ion: 84 Resp: 198922
Ion Ratio Lower Upper
84 100
49 116.9 96.0 144.0
51 35.8 30.0 45.0
86 64.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 48.257 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 169093

Ion Ratio Lower Upper

96 100

61 140.4 114.8 172.2

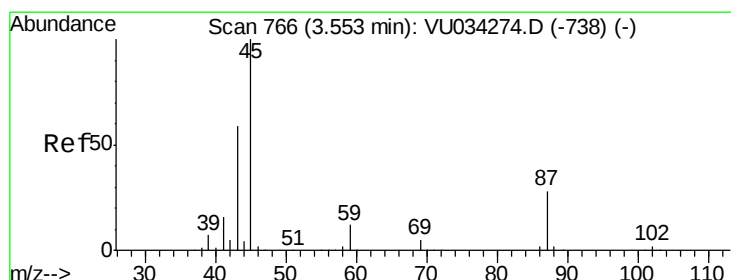
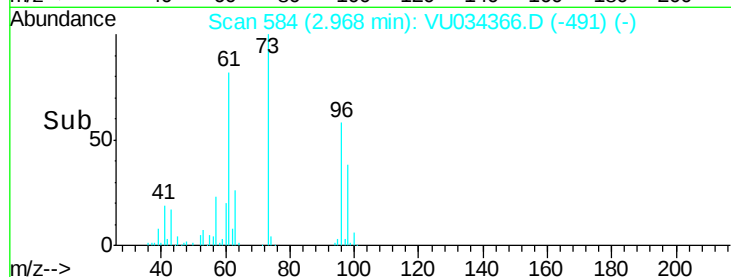
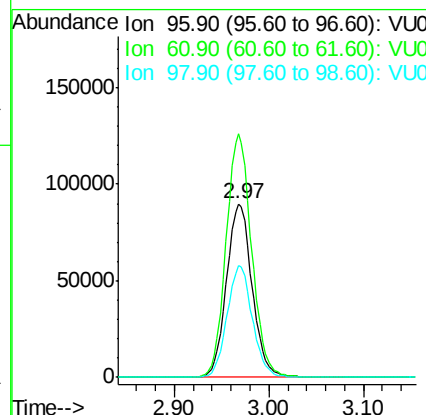
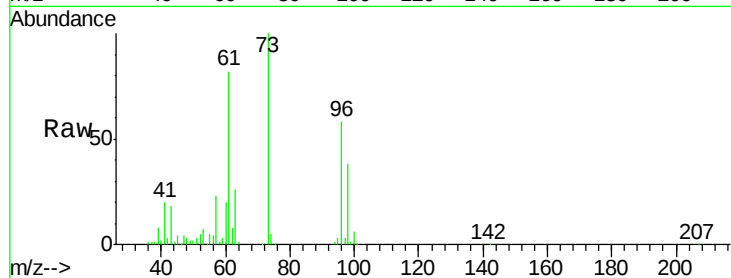
98 64.2 49.8 74.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 50.337 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Tgt Ion: 45 Resp: 624031

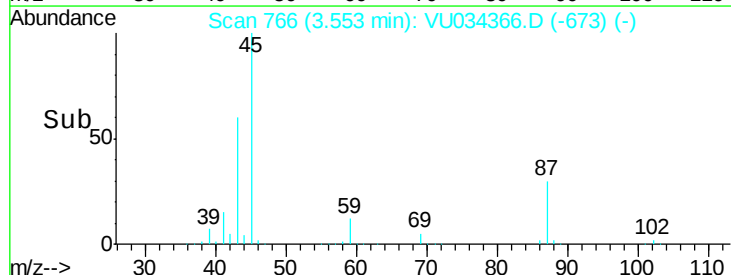
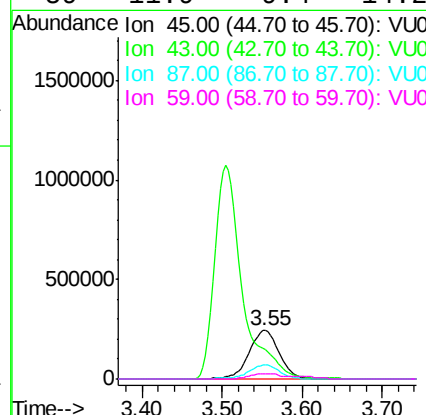
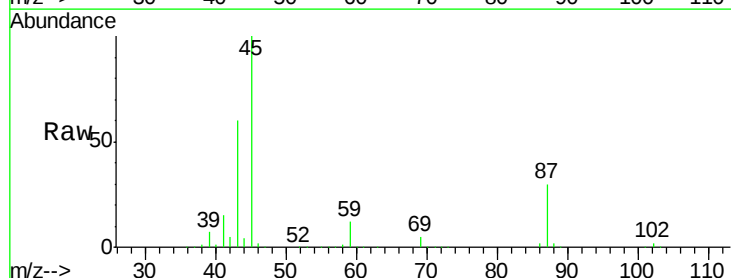
Ion Ratio Lower Upper

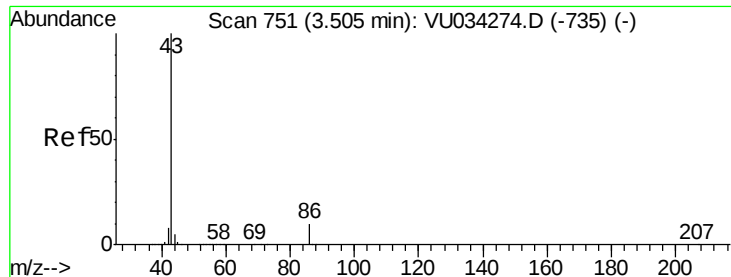
45 100

43 60.0 47.5 71.3

87 29.9 22.2 33.4

59 11.9 9.4 14.2





#23

Vinyl Acetate

Concen: 255.942 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2584547

Ion Ratio Lower Upper

43 100

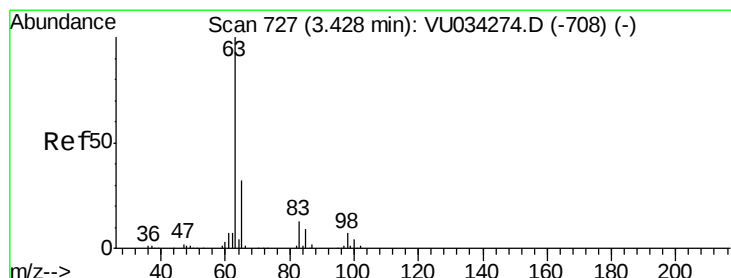
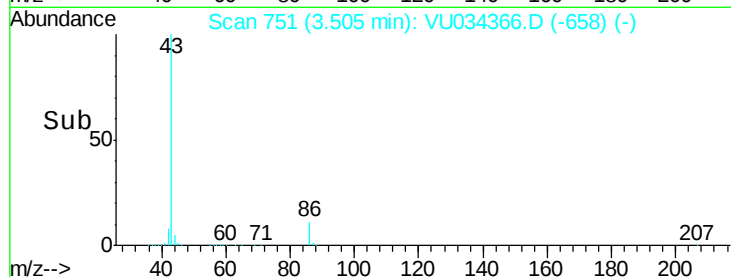
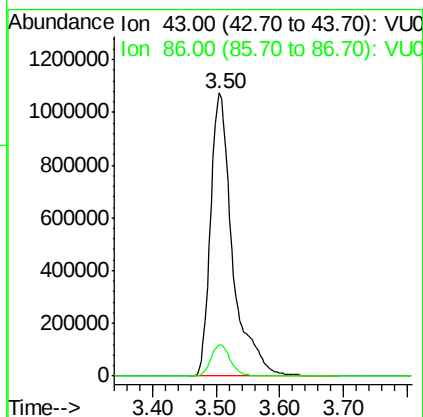
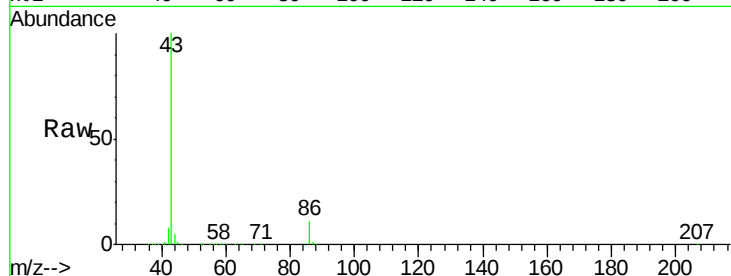
86 11.2 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.697 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

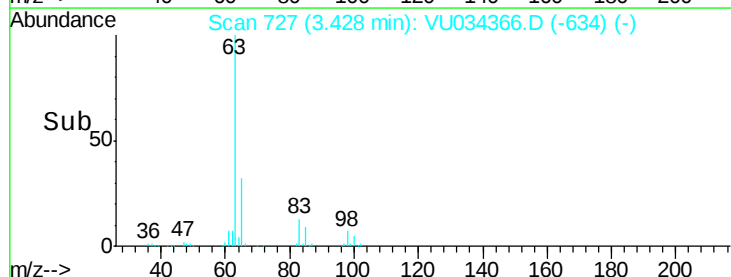
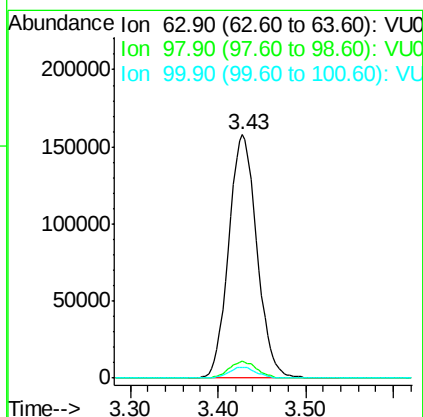
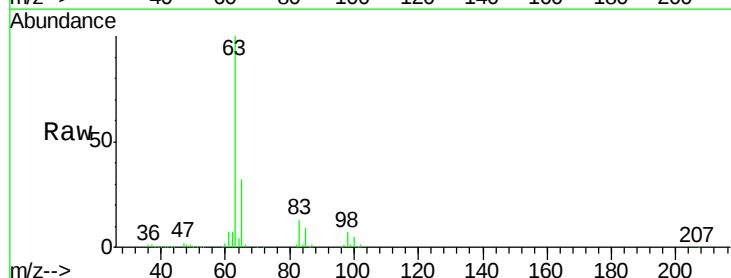
Tgt Ion: 63 Resp: 353125

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.6 2.1 6.5





#25

2-Butanone

Concen: 248.715 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 794456

Ion Ratio Lower Upper

43 100

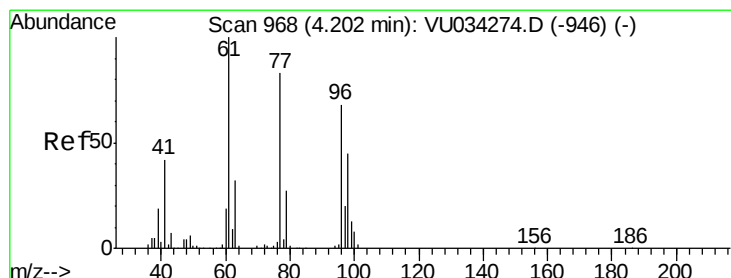
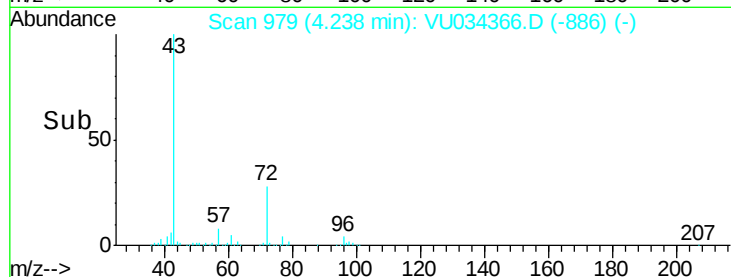
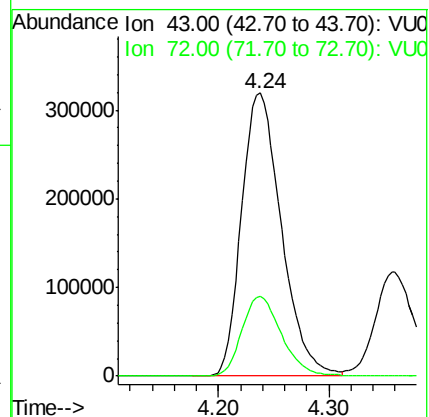
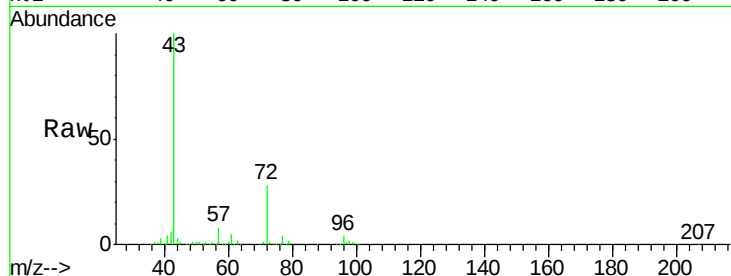
72 28.0 21.8 32.6

Manual Integrations

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MMDadoda

9/10/2019 1:31:44 PM



#26

2,2-Dichloropropane

Concen: 36.097 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034366.D

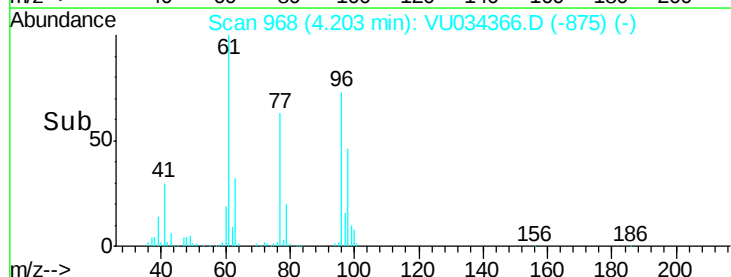
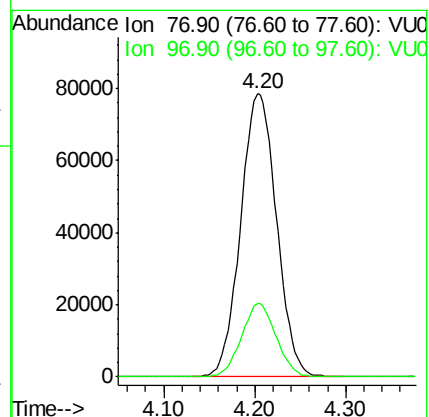
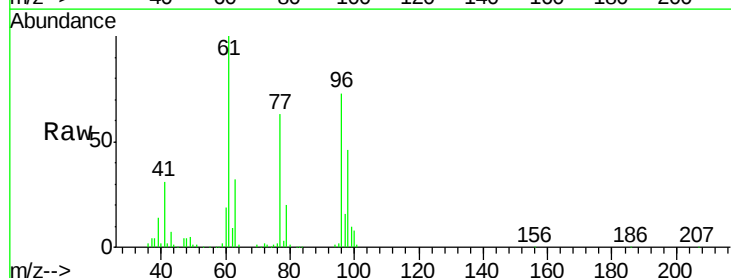
Acq: 07 Sep 2019 05:41

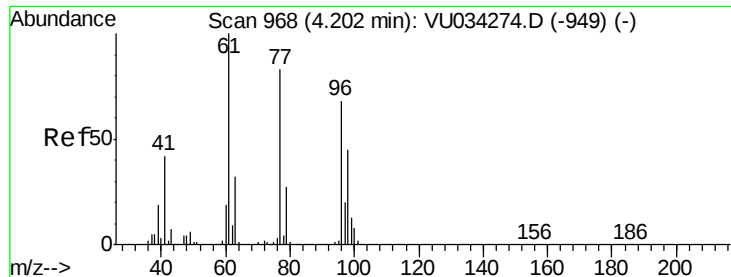
Tgt Ion: 77 Resp: 214937

Ion Ratio Lower Upper

77 100

97 25.0 11.8 35.3





#27

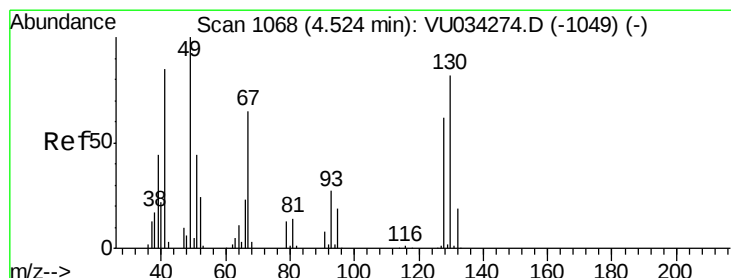
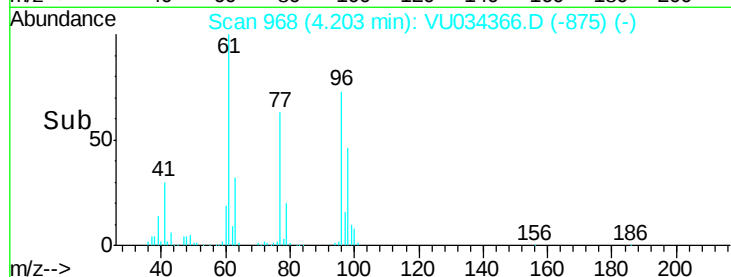
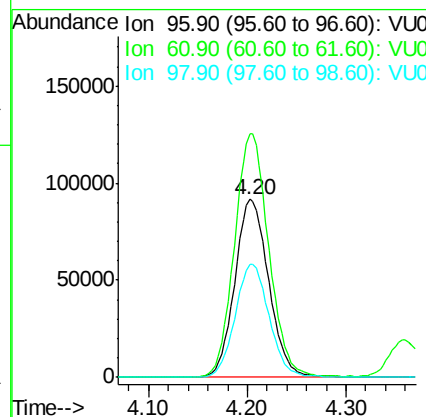
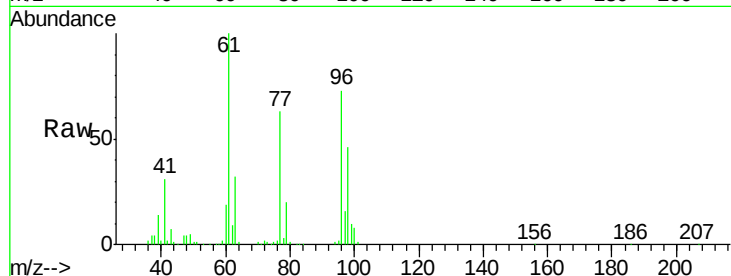
cis-1,2-Dichloroethene
Concen: 51.576 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	219495		
61	138.1	0.0	297.4	
98	63.8	0.0	130.0	

Manual Integrations
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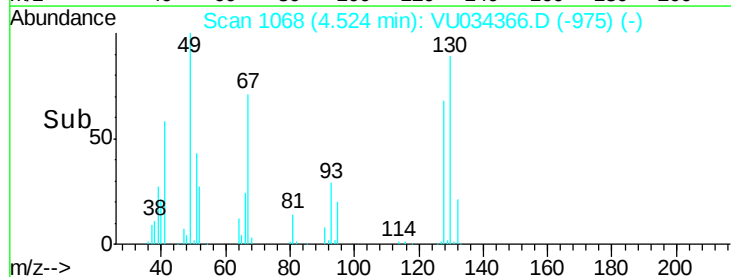
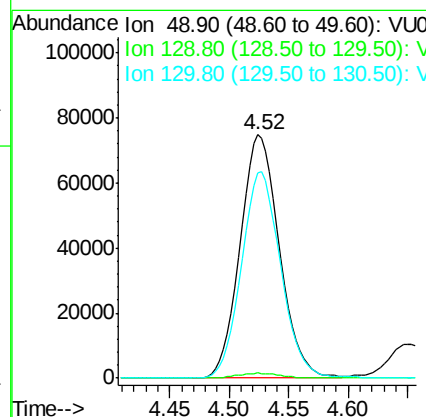
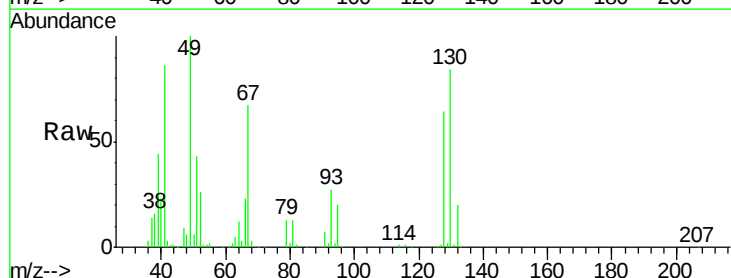
MMDadoda
9/10/2019 1:31:44 PM

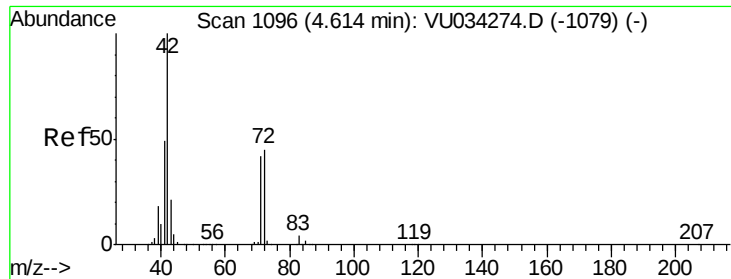


#28

Bromochloromethane
Concen: 50.226 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	171035		
129	2.1	0.0	3.8	
130	85.0	65.2	97.8	





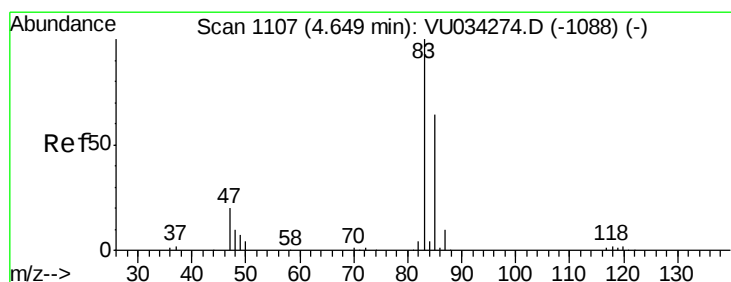
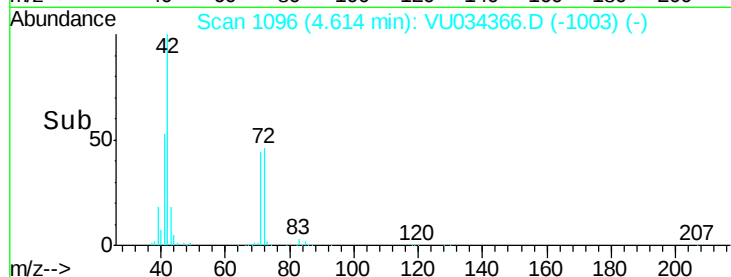
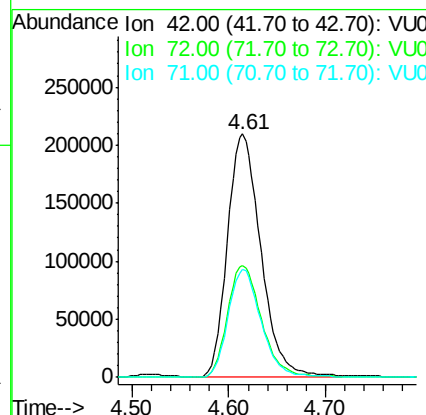
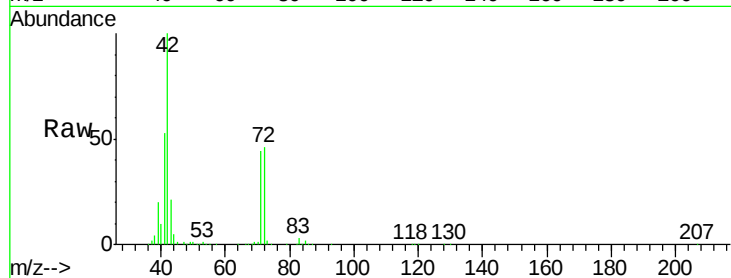
#29
Tetrahydrofuran
Concen: 258.233 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	36.6	54.8
71	44.5	34.3	51.5

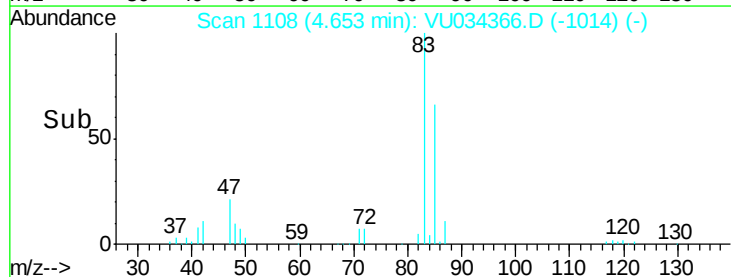
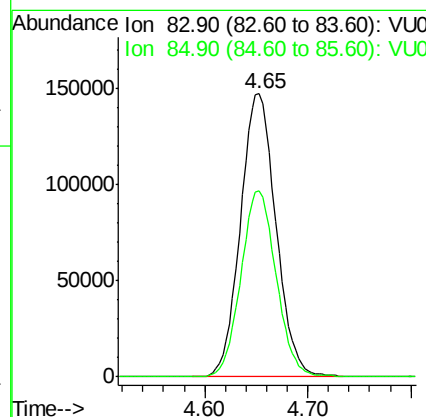
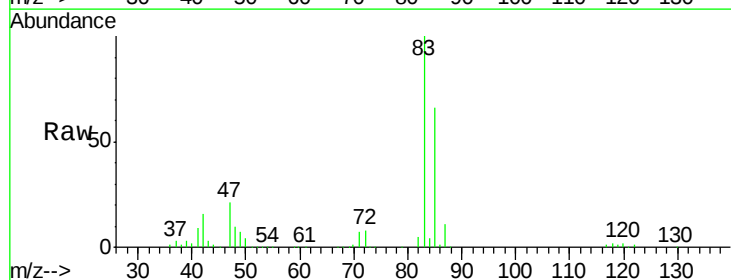
Manual Integrations
APPROVED

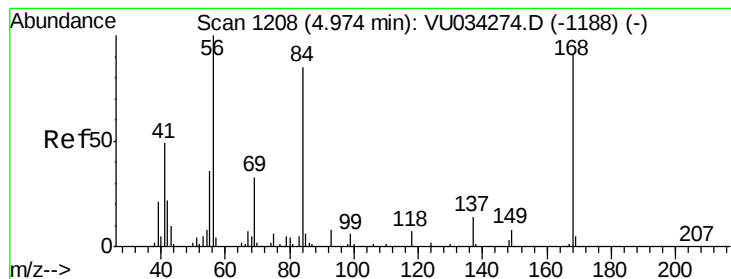
MMDadoda
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#30
Chloroform
Concen: 46.906 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.5	77.3





#31

Cyclohexane

Concen: 47.293 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

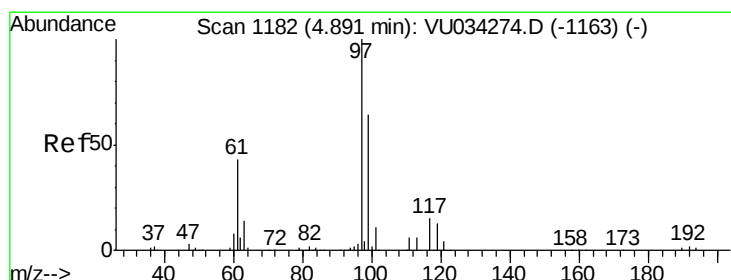
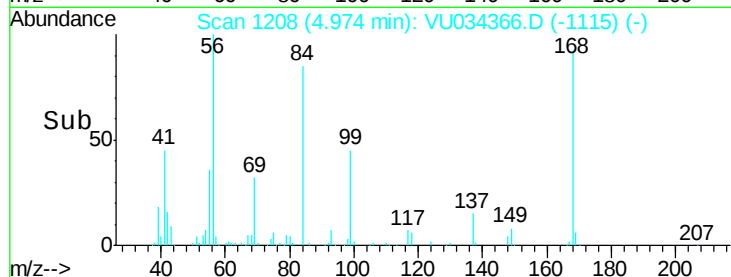
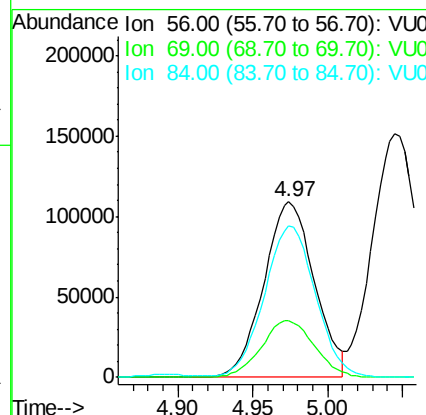
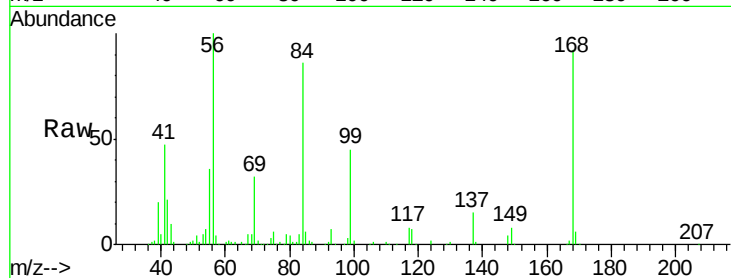
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	256151
Ion	Ratio	Lower	Upper
56	100		
69	32.2	26.7	40.1
84	85.5	68.2	102.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.319 ug/l

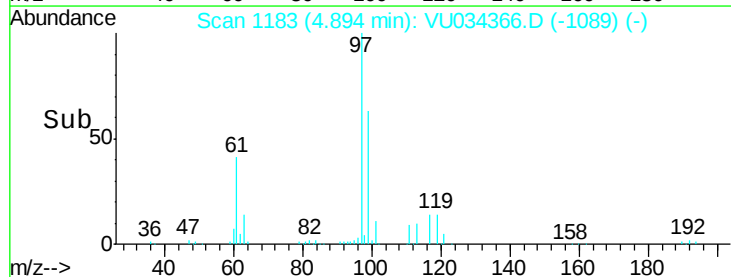
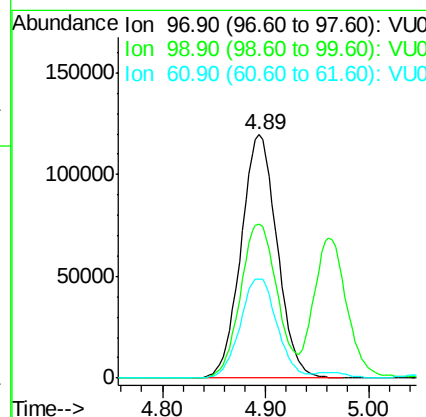
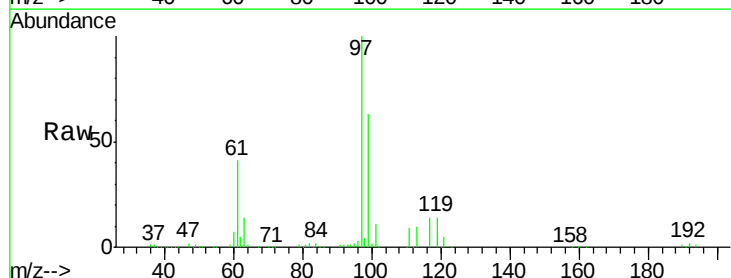
RT: 4.89 min Scan# 1183

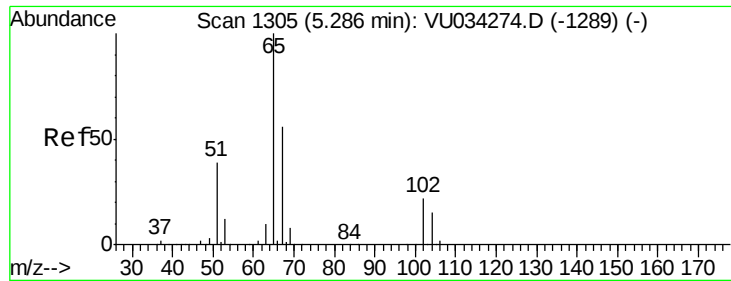
Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Tgt Ion:	97	Resp:	290722
Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.9	76.3
61	41.8	34.7	52.1





#33

1,2-Dichloroethane-d4

Concen: 44.926 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 207741

Ion Ratio Lower Upper

65 100

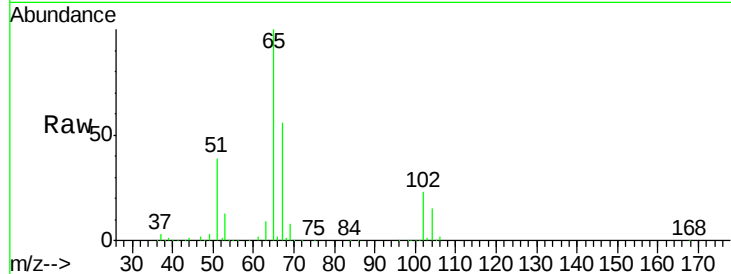
67 55.7 0.0 112.4

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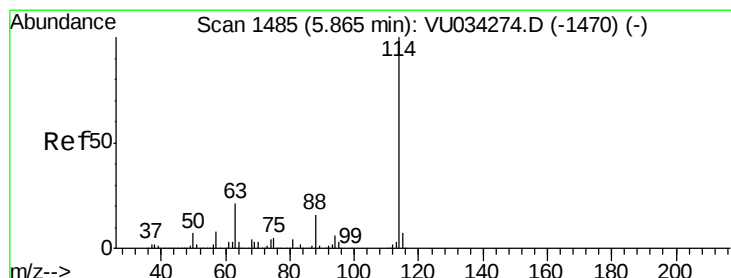
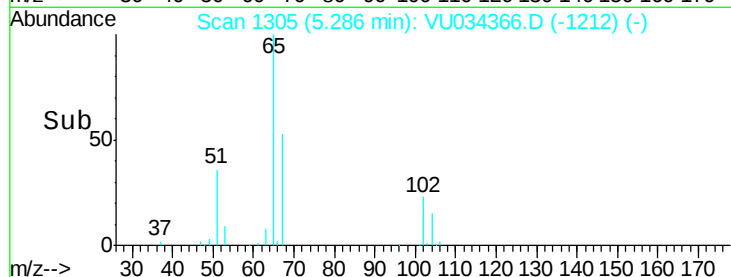
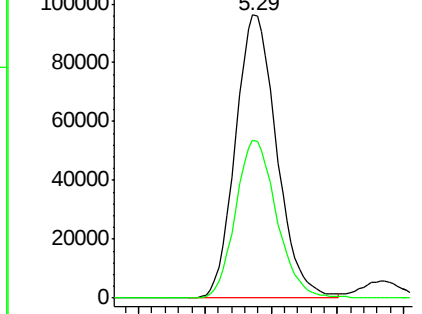
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Abundance Ion 64.90 (64.60 to 65.60): VU034274.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034274.D (-1289) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

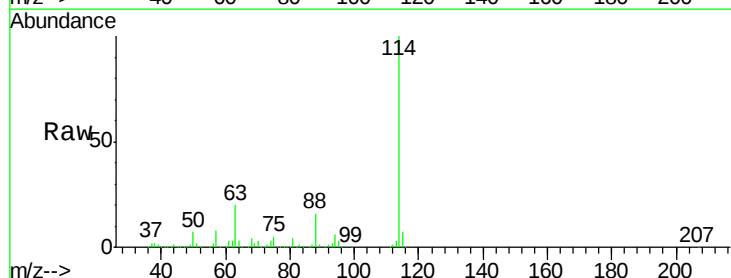
Tgt Ion: 114 Resp: 463773

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

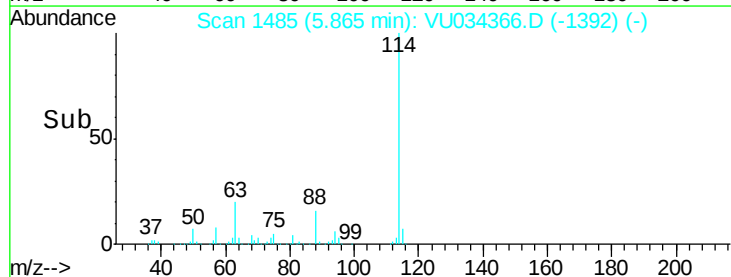
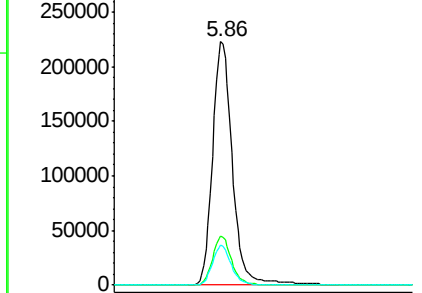
88 16.4 0.0 32.4

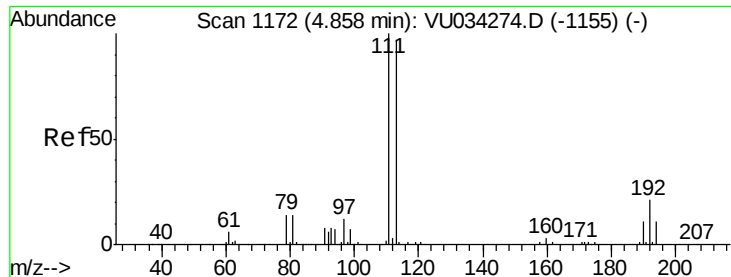


Abundance Ion 113.90 (113.60 to 114.60): VU034274.D (-1470) (-)

Ion 63.00 (62.70 to 63.70): VU034274.D (-1470) (-)

Ion 87.90 (87.60 to 88.60): VU034274.D (-1470) (-)





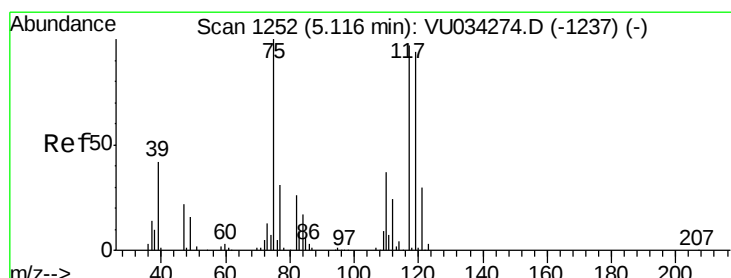
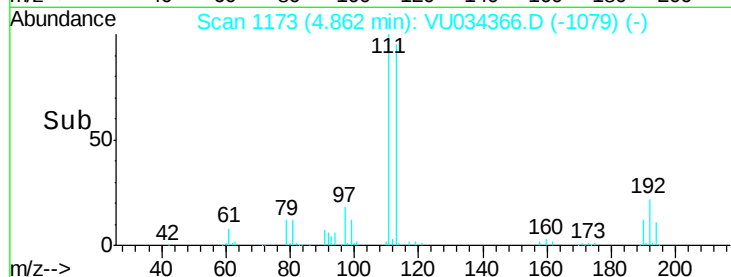
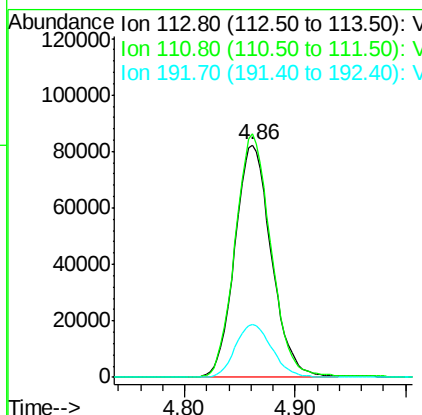
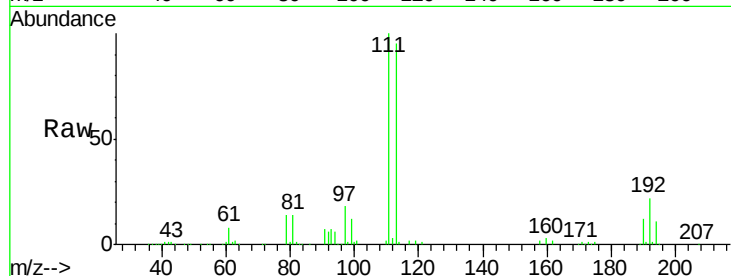
#35
 Dibromofluoromethane
 Concen: 43.755 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	188823		
111	103.1	81.5	122.3	
192	23.0	17.8	26.8	

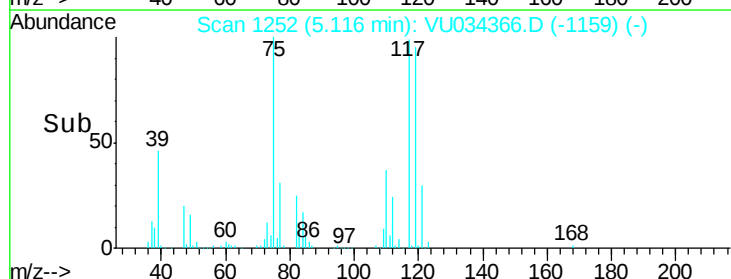
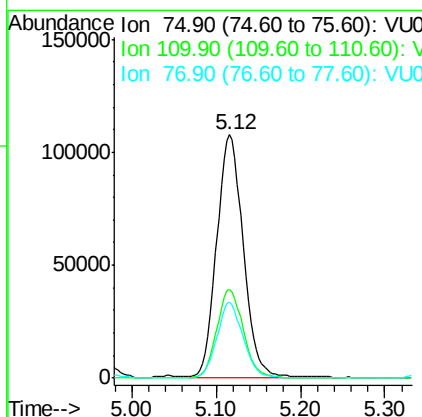
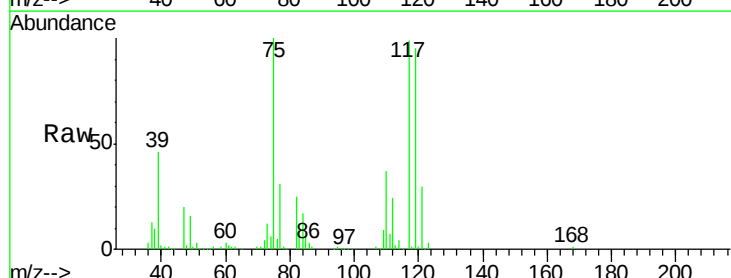
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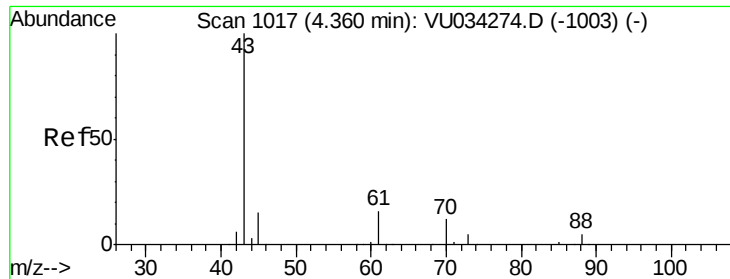
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 9/10/2019 1:31:44 PM



#36
 1,1-Dichloropropene
 Concen: 46.814 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	235459		
110	36.4	18.3	54.9	
77	30.2	24.9	37.3	





#37

Ethyl Acetate

Concen: 48.153 ug/l

RT: 4.36 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

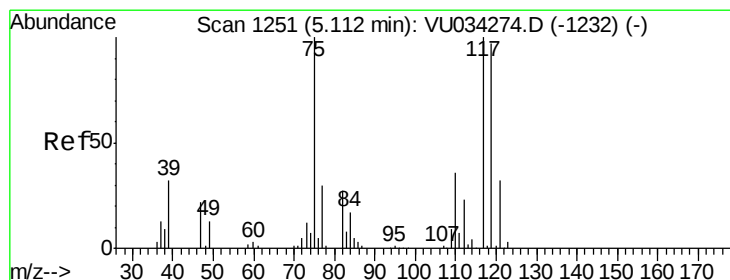
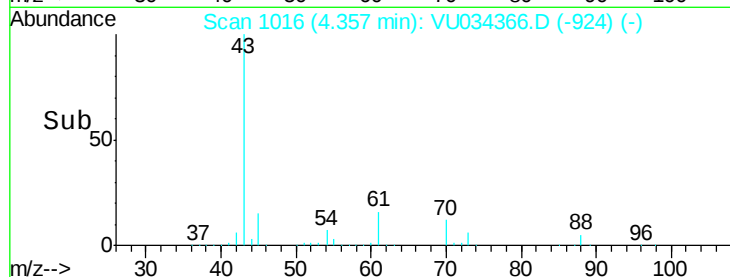
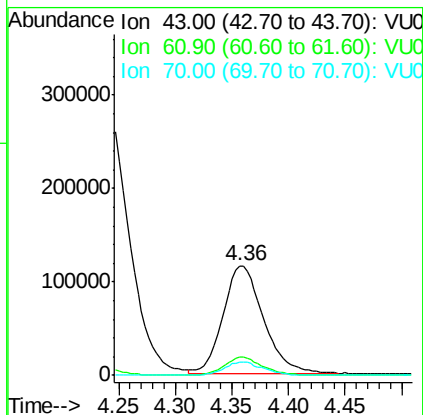
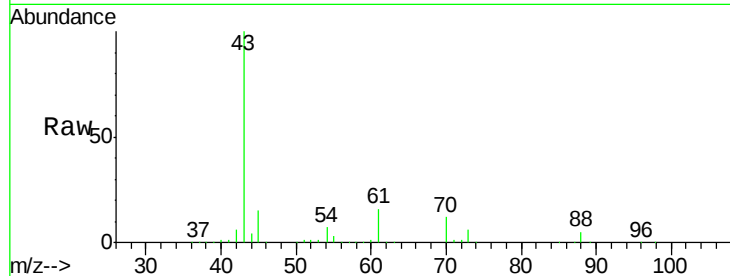
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	286354
Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.3	18.5
70	11.9	9.1	13.7

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 46.290 ug/l

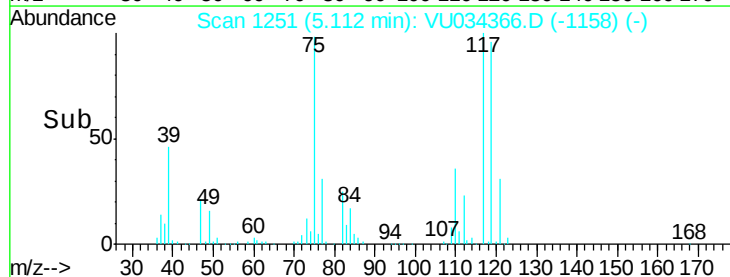
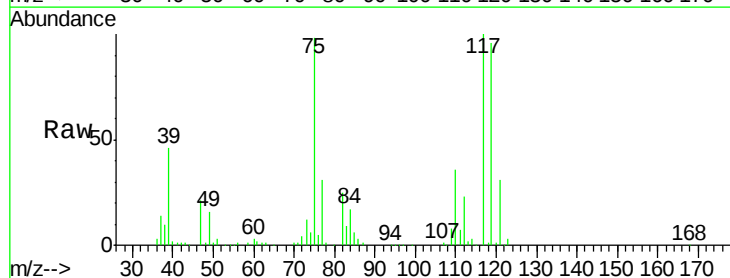
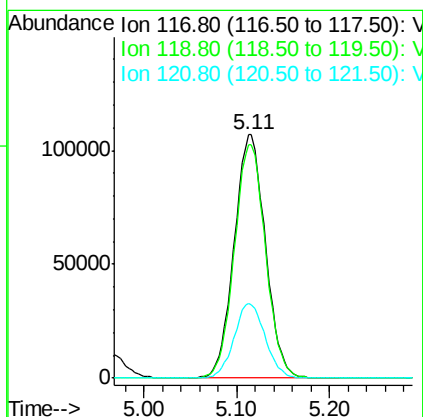
RT: 5.11 min Scan# 1251

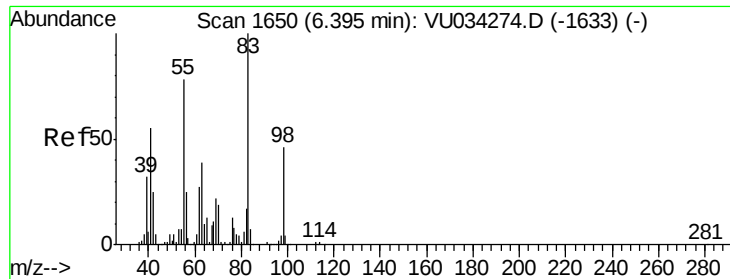
Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Tgt Ion:	117	Resp:	248593
Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.8	116.6
121	30.7	25.2	37.8





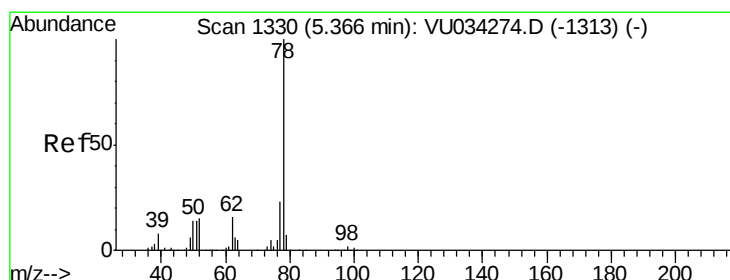
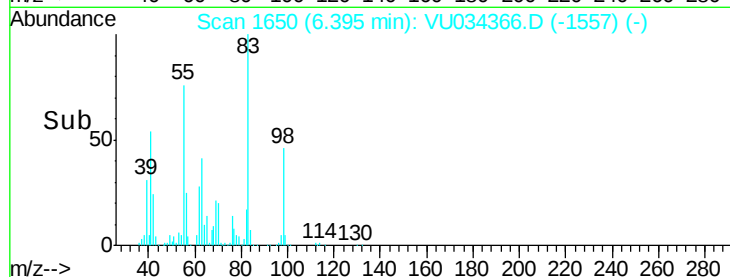
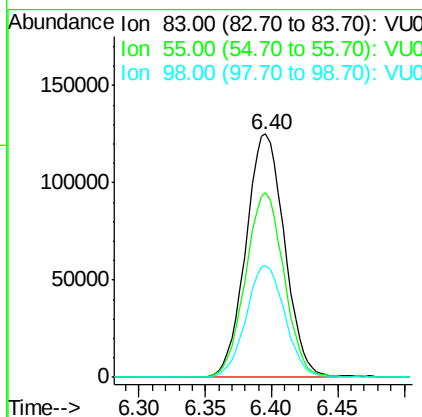
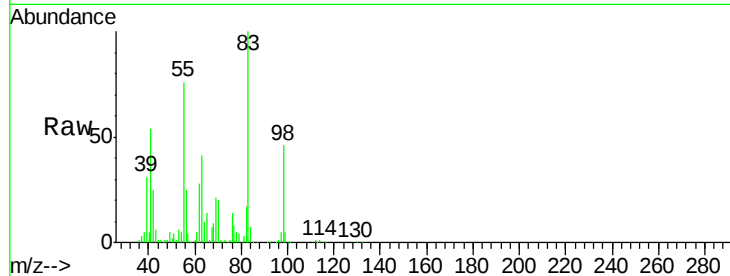
#39
Methvlcvclohexane
Concen: 47.320 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	62.1	93.1
98	45.9	37.0	55.6

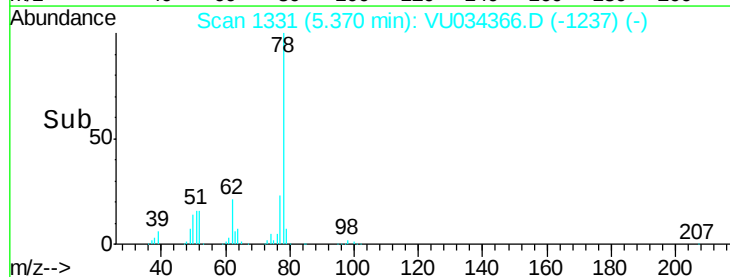
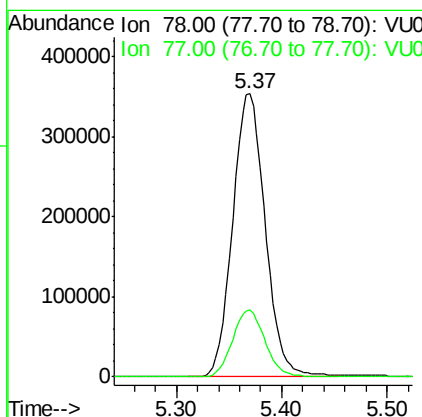
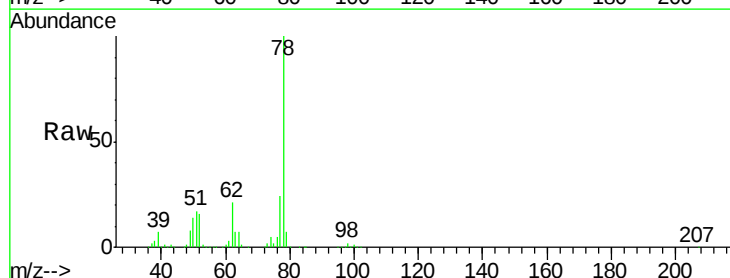
Manual Integrations
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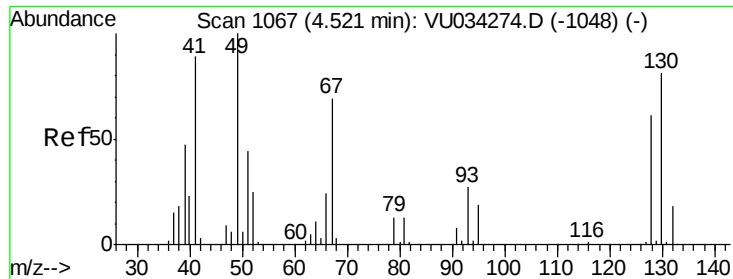
MMDadoda
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#40
Benzene
Concen: 46.667 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1





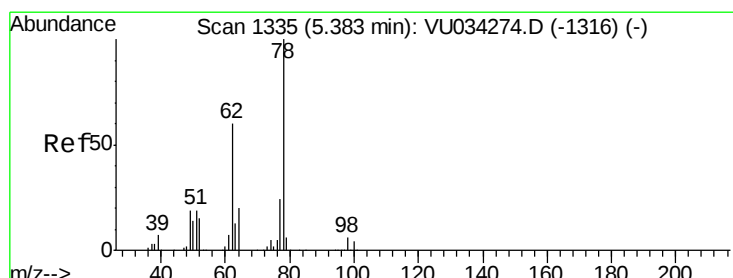
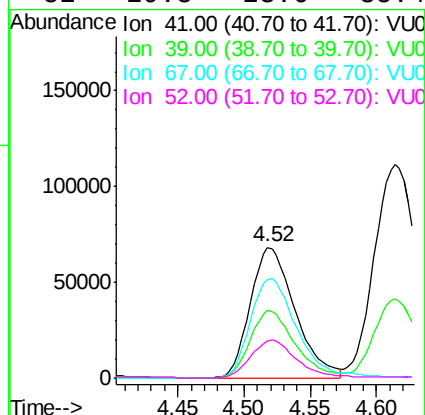
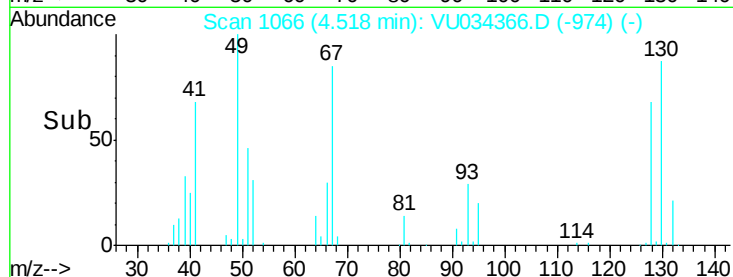
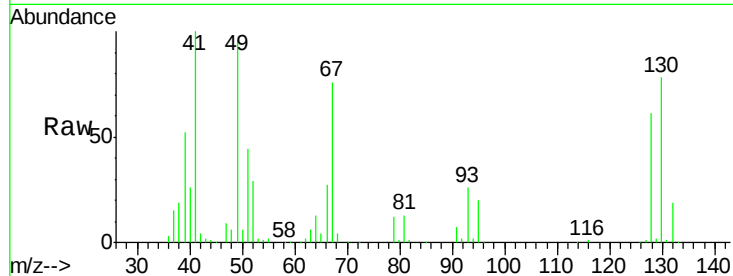
#41
Methacrylonitrile
Concen: 50.324 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	51.9	41.0	61.4		
67	80.2	62.4	93.6		
52	29.8	23.6	35.4		

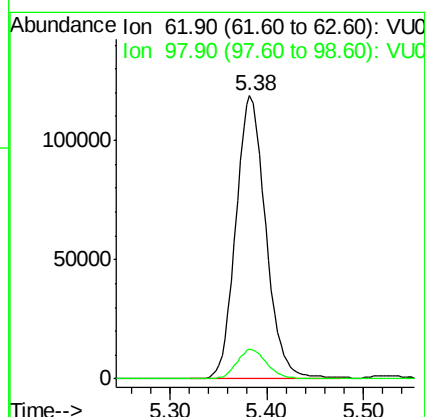
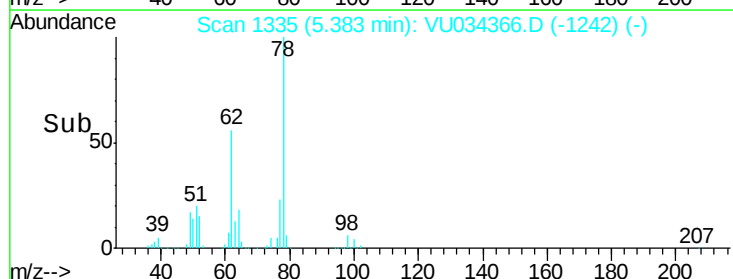
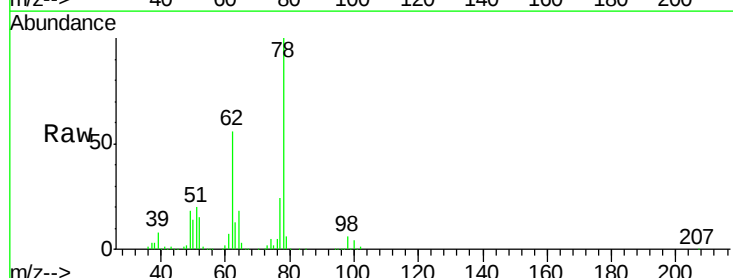
Manual Integrations
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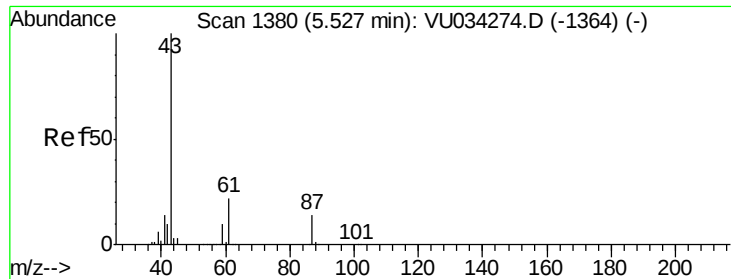
MMDadoda
9/10/2019 1:31:44 PM



#42
1,2-Dichloroethane
Concen: 45.366 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.6	0.0	20.0		





#43

Isopropyl Acetate

Concen: 49.387 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

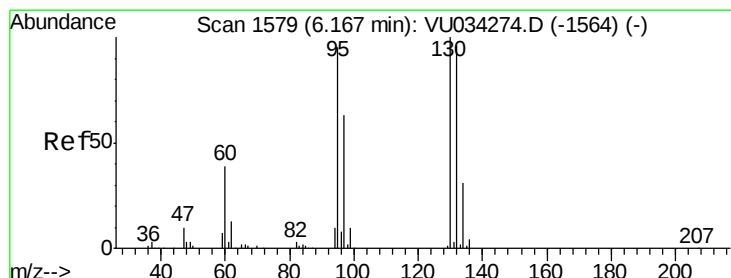
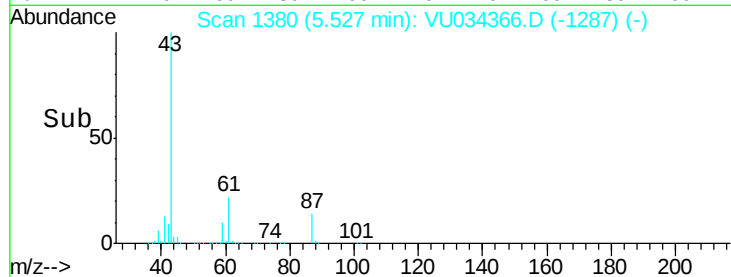
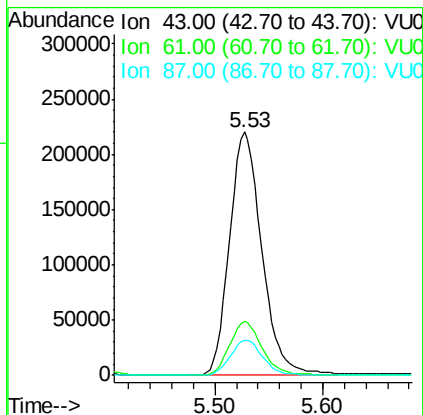
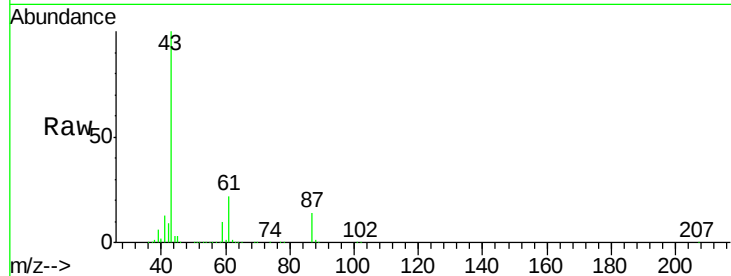
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	458151
Ion	Ratio	Lower	Upper
43	100		
61	22.4	17.1	25.7
87	14.6	11.1	16.7

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#44

Trichloroethene

Concen: 48.942 ug/l

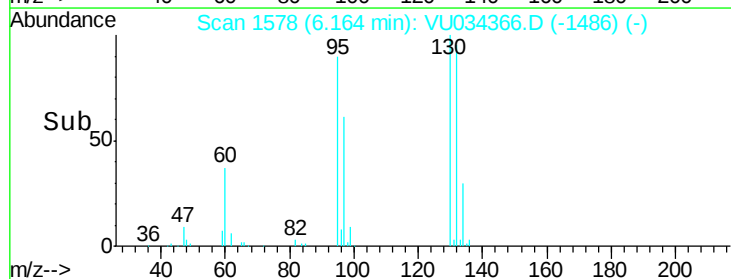
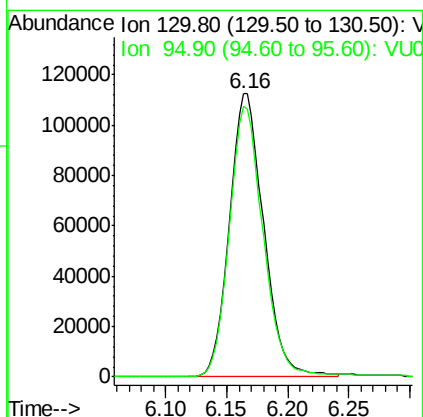
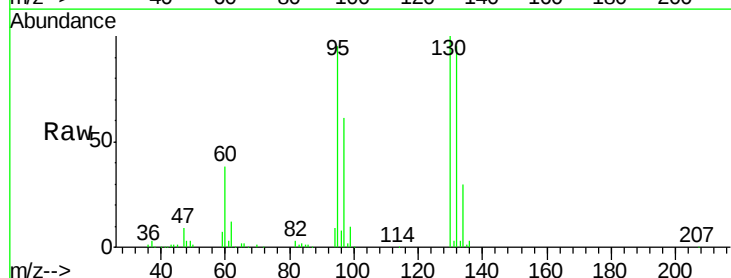
RT: 6.16 min Scan# 1578

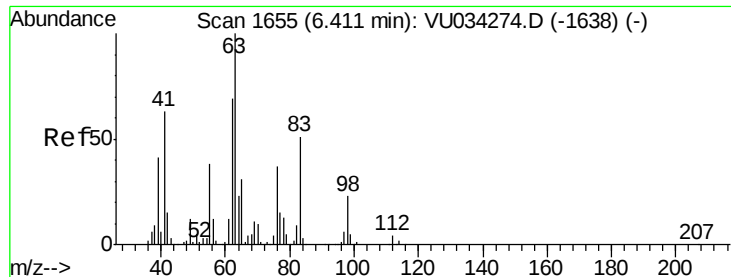
Delta R.T. -0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Tgt Ion:	130	Resp:	219799
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	189.2





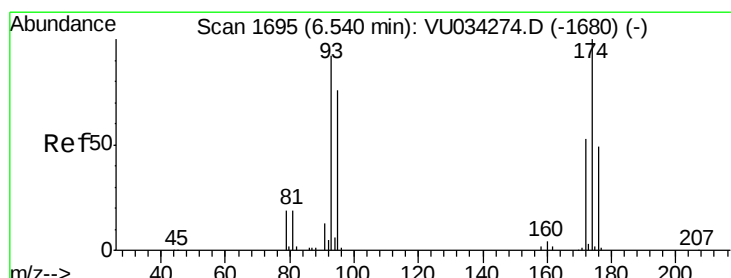
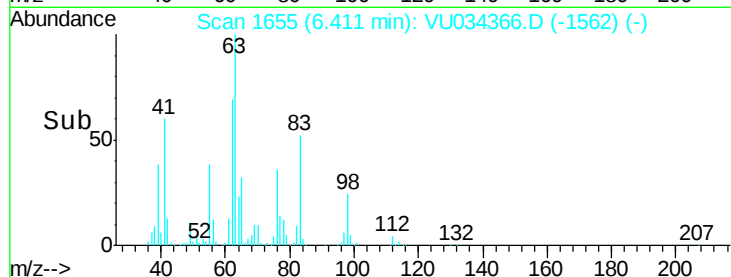
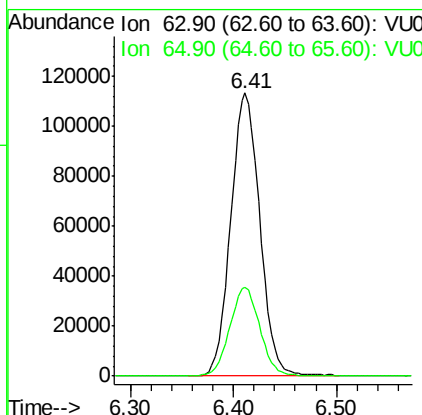
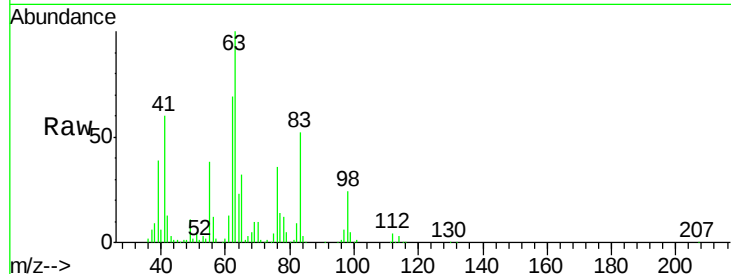
#45
 1,2-Dichloropropane
 Concen: 47.049 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 223225
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.6 37.0

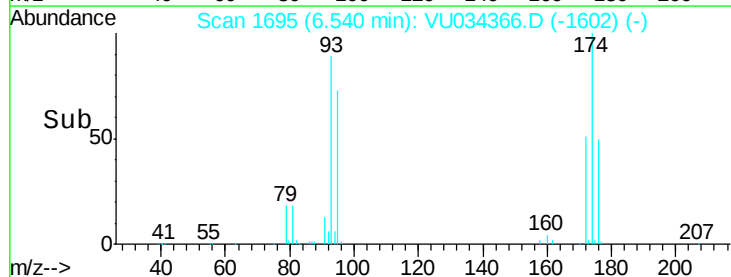
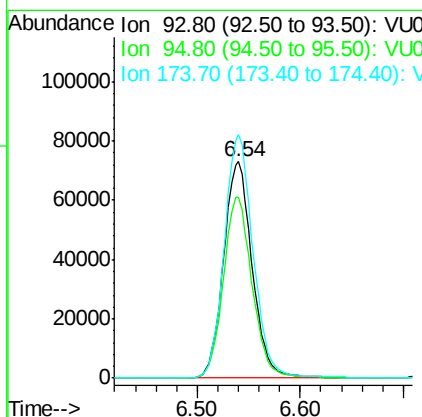
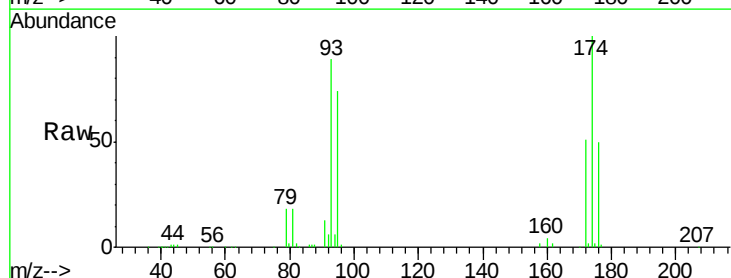
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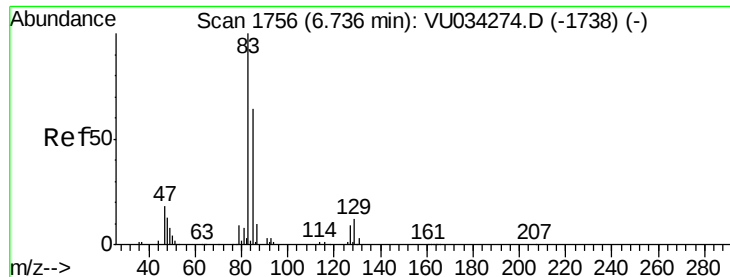
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 9/10/2019 1:31:44 PM



#46
 Dibromomethane
 Concen: 47.504 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Tgt Ion: 93 Resp: 141475
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.5 99.7
 174 112.7 87.8 131.6





#47

Bromodichloromethane

Concen: 47.176 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

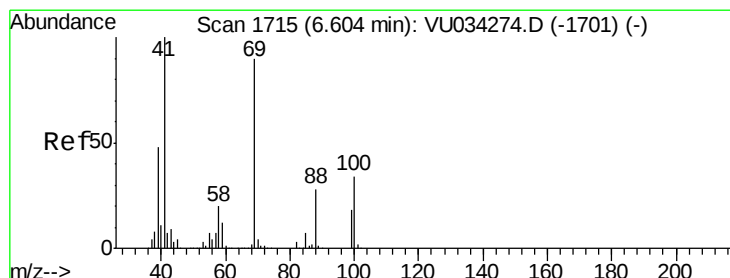
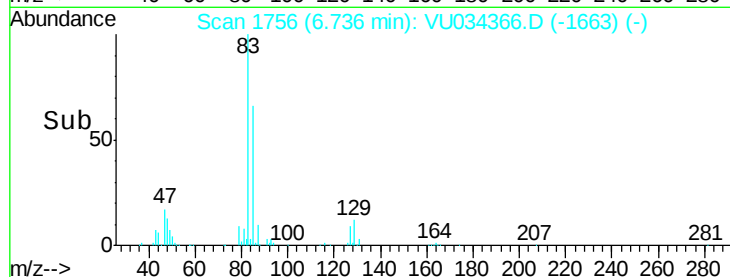
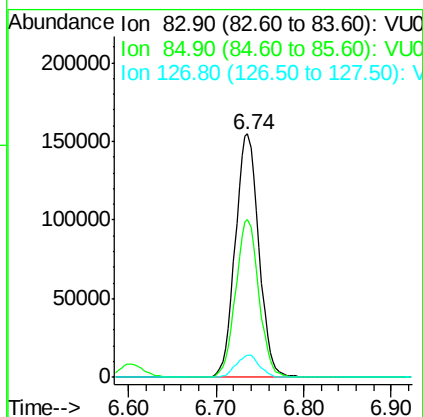
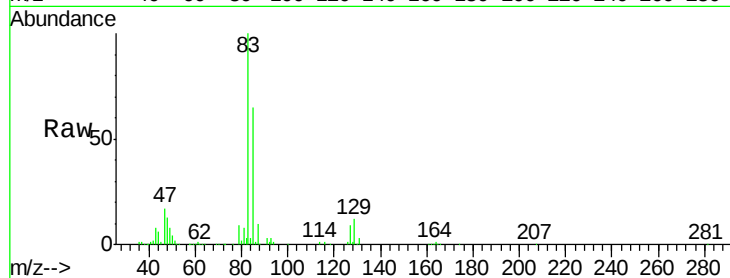
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	289202
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	9.0	7.2	10.8

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#48

Methyl methacrylate

Concen: 48.731 ug/l

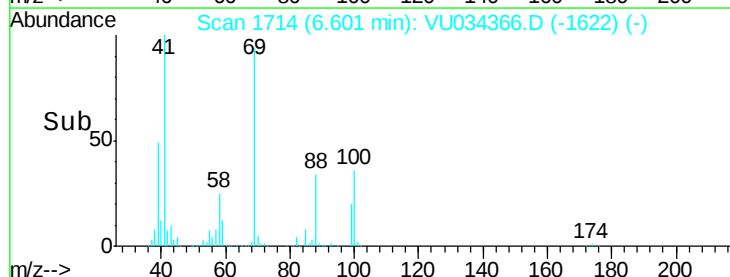
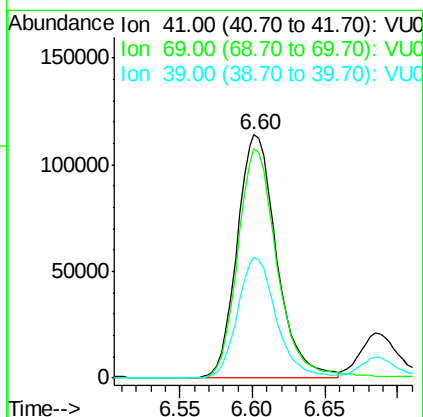
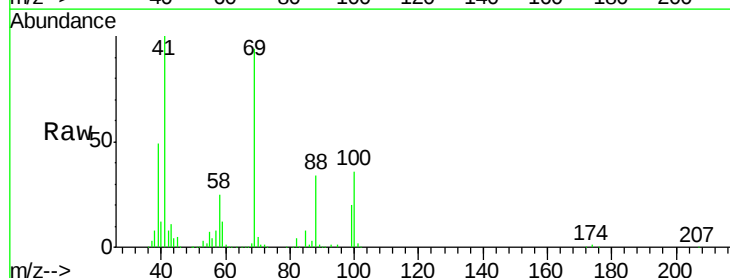
RT: 6.60 min Scan# 1714

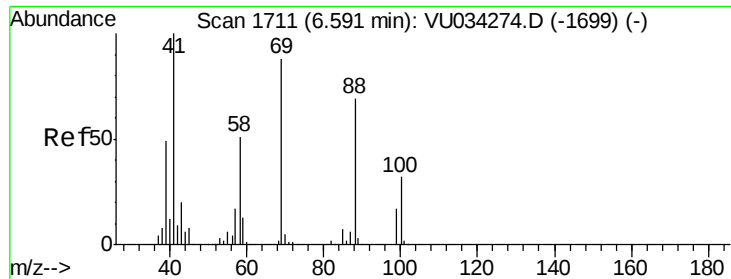
Delta R.T. -0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Tgt Ion:	41	Resp:	214713
Ion	Ratio	Lower	Upper
41	100		
69	95.0	72.8	109.2
39	48.6	38.6	58.0





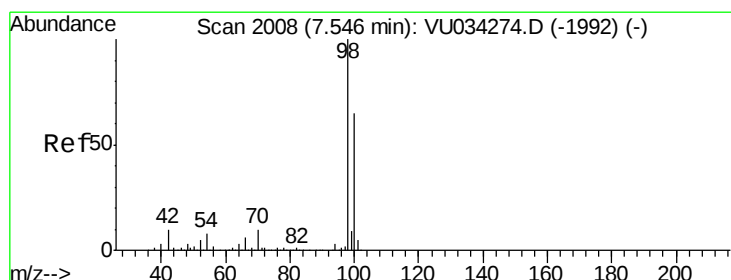
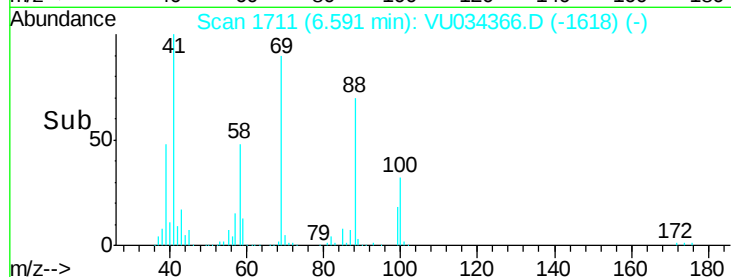
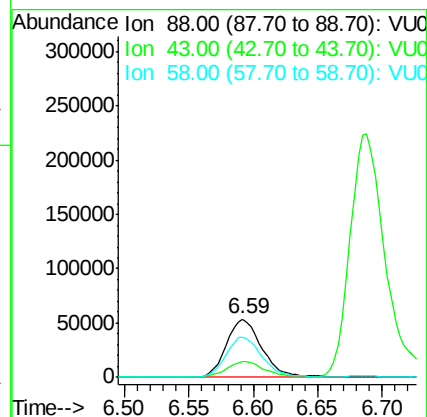
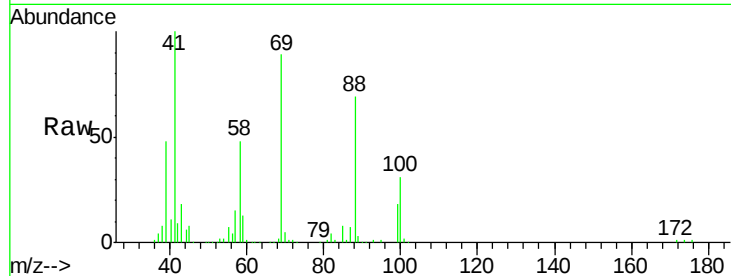
#49
1,4-Dioxane
Concen: 1050.428 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	27.2	23.8	35.6	
58	71.1	58.4	87.6	

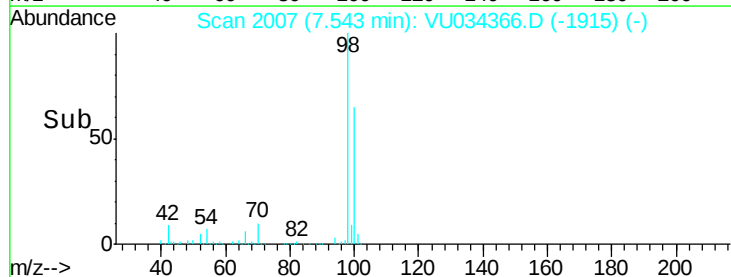
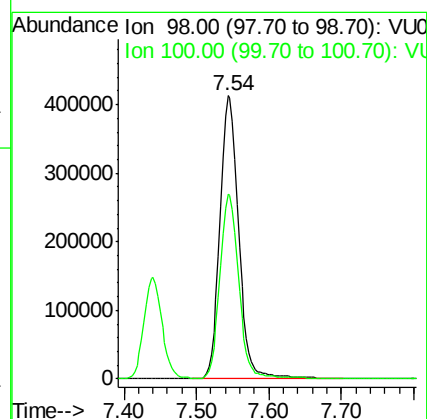
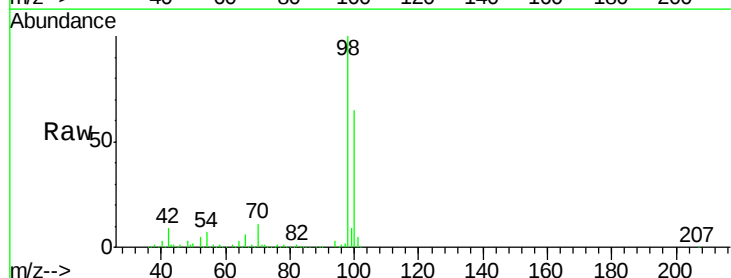
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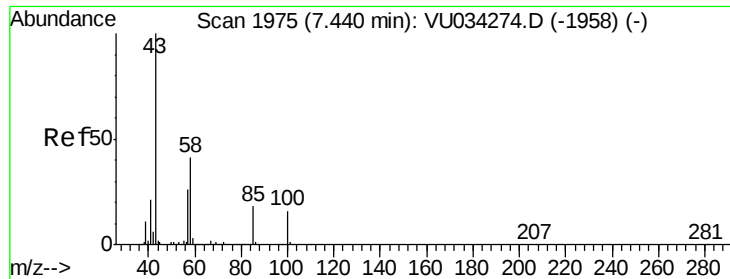
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9/10/2019 1:31:44 PM



#50
Toluene-d8
Concen: 45.882 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.4	51.7	77.5	





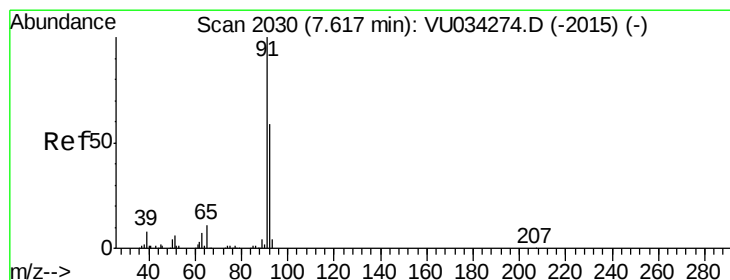
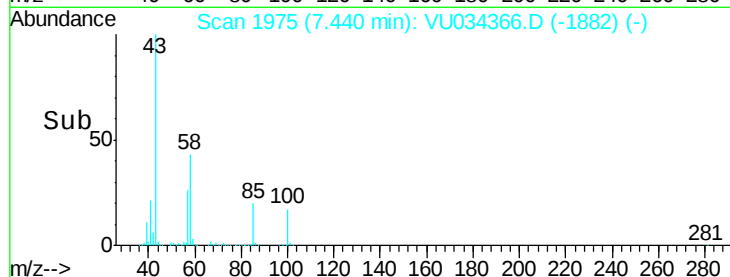
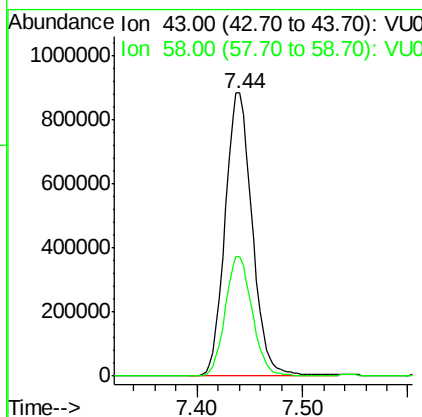
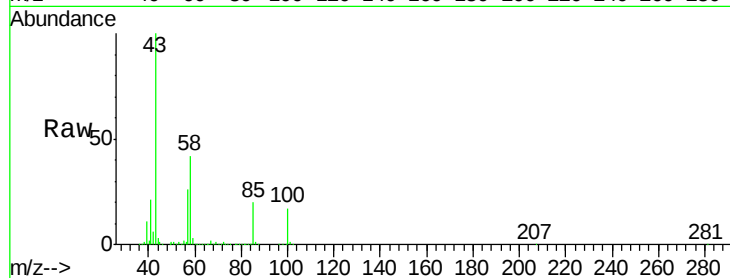
#51
 4-Methyl-2-Pentanone
 Concen: 244.804 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1571975
 Ion Ratio Lower Upper
 43 100
 58 42.2 33.0 49.4

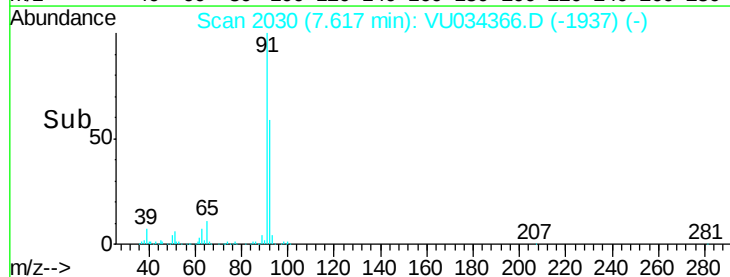
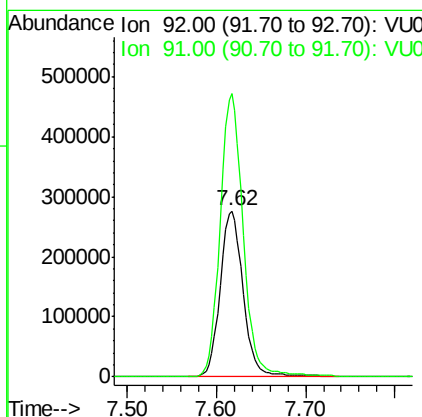
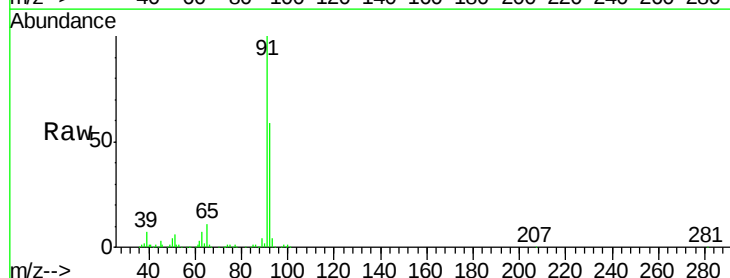
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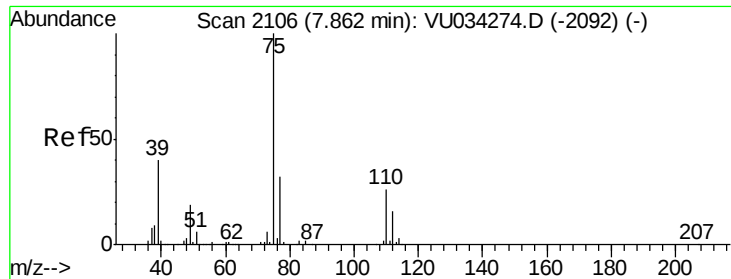
MMDadoda
 9/10/2019 1:31:44 PM



#52
 Toluene
 Concen: 48.697 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Tgt Ion: 92 Resp: 495777
 Ion Ratio Lower Upper
 92 100
 91 170.8 136.6 205.0





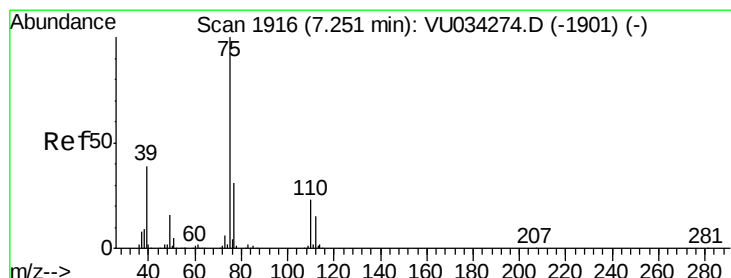
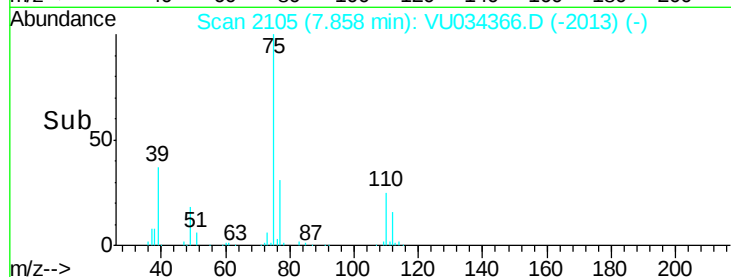
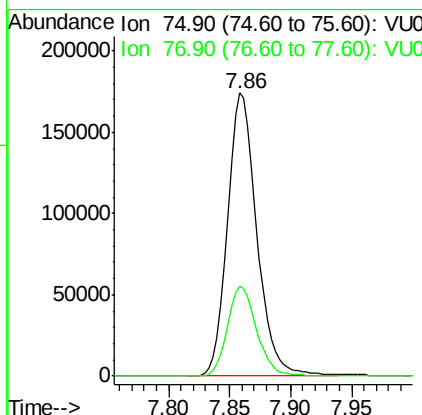
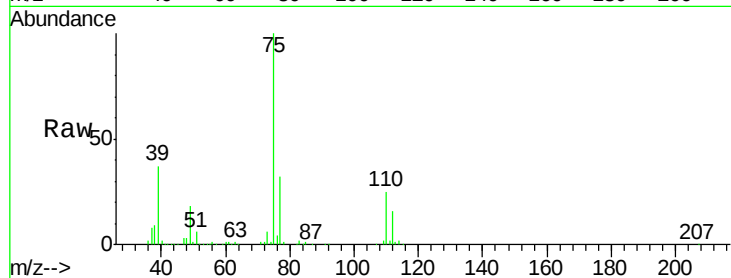
#53
 t-1,3-Dichloropropene
 Concen: 46.239 ug/l
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.7	38.5

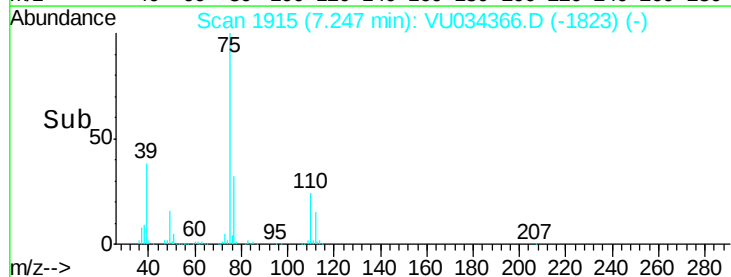
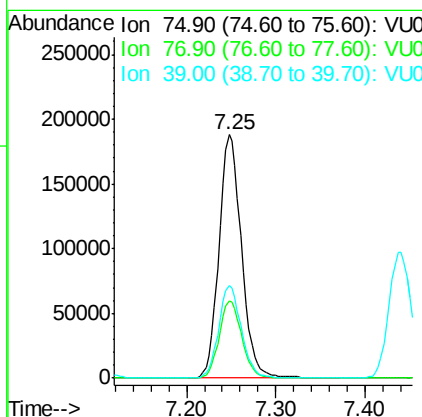
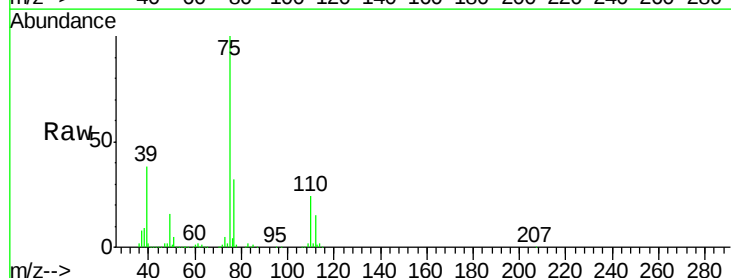
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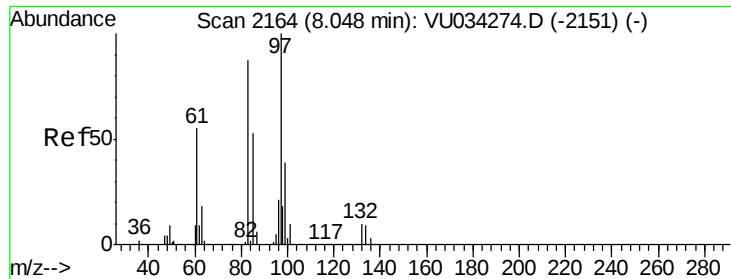
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#54
 cis-1,3-Dichloropropene
 Concen: 47.111 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.1	37.7
39	37.8	31.2	46.8





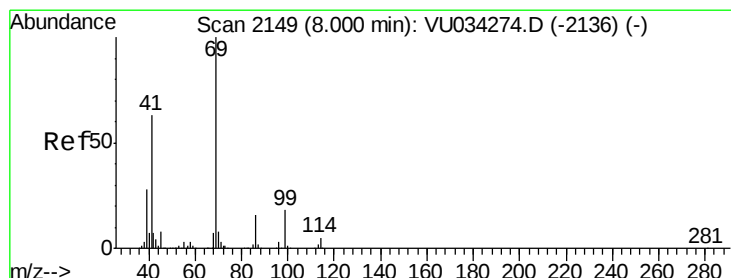
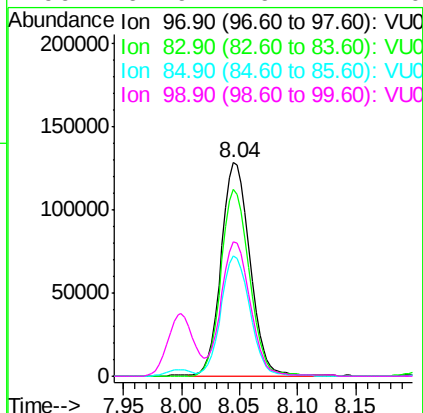
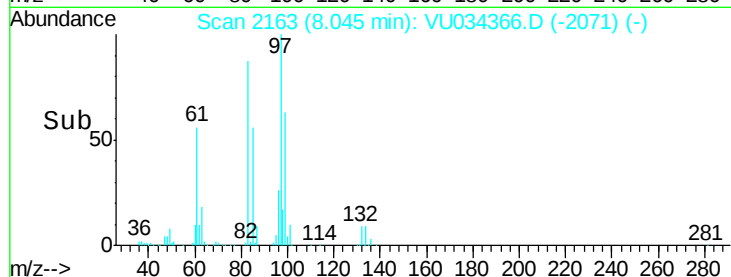
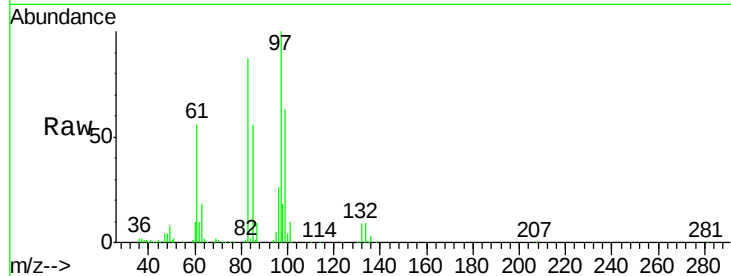
#55
 1,1,2-Trichloroethane
 Concen: 47.437 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		219294		
83	87.5	69.0	103.6		
85	56.1	44.2	66.2		
99	62.9	49.4	74.0		

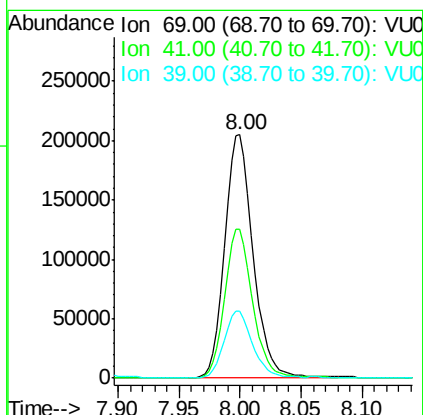
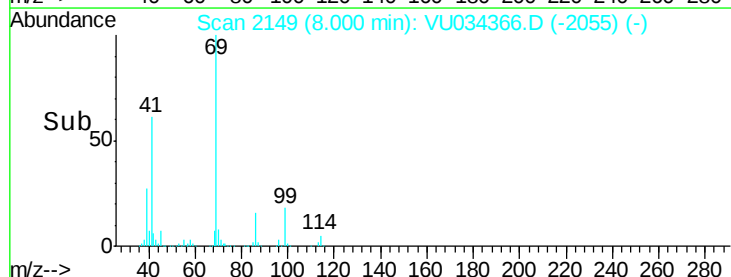
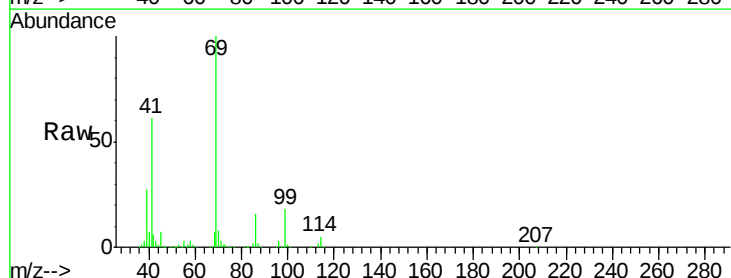
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#56
 Ethyl methacrylate
 Concen: 48.016 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		336327		
41	60.4	49.5	74.3		
39	27.1	22.5	33.7		





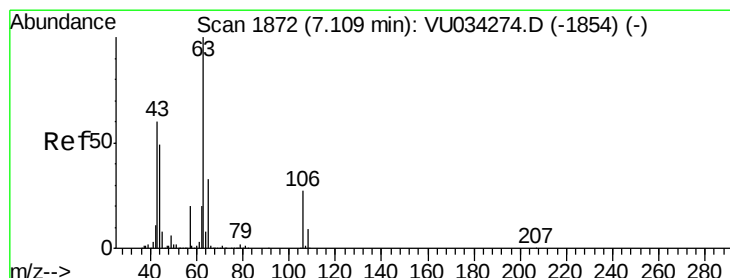
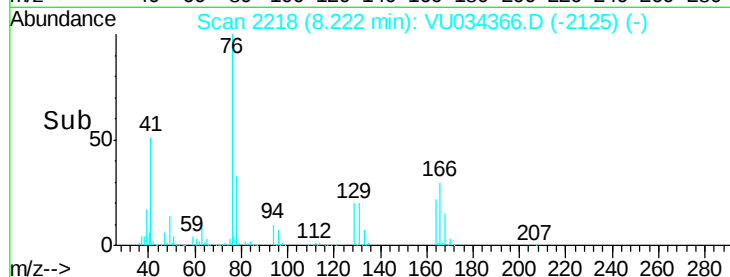
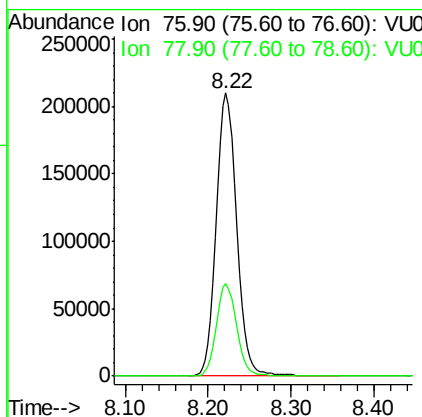
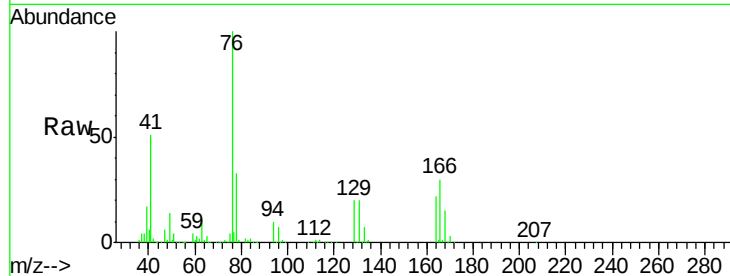
#57
 1,3-Dichloropropane
 Concen: 47.695 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 359028
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.4 38.2

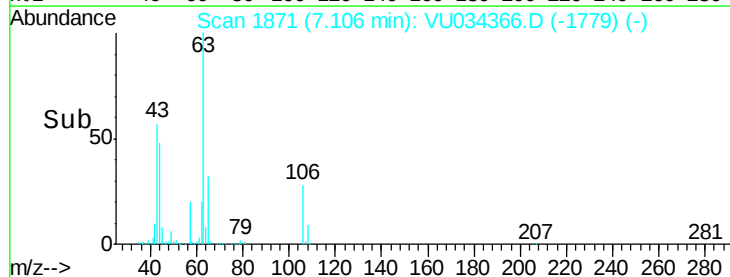
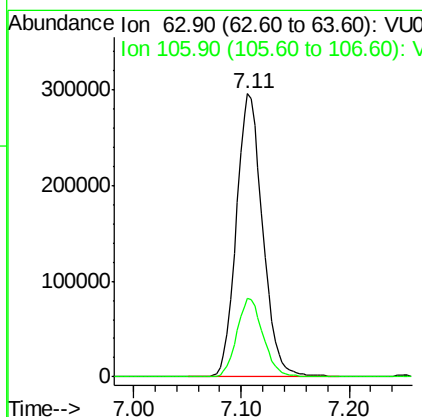
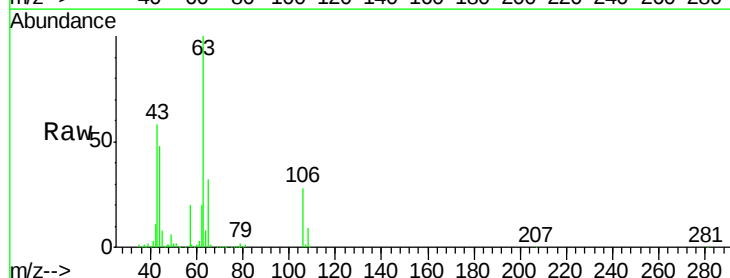
Manual Integrations
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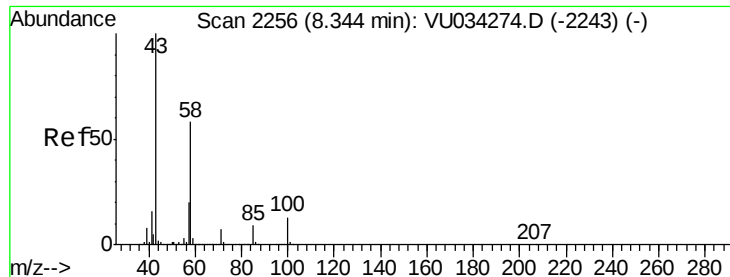
MMDadoda
 9/10/2019 1:31:44 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 214.685 ug/l
 RT: 7.11 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Tgt Ion: 63 Resp: 504159
 Ion Ratio Lower Upper
 63 100
 106 27.6 21.6 32.4





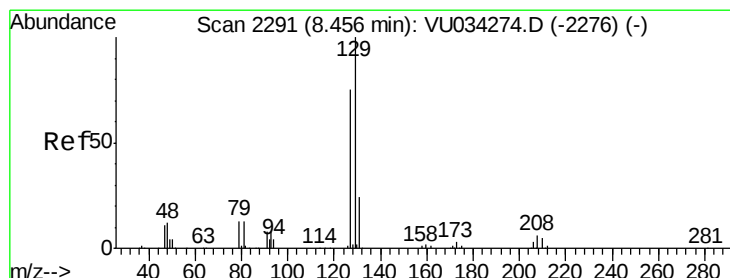
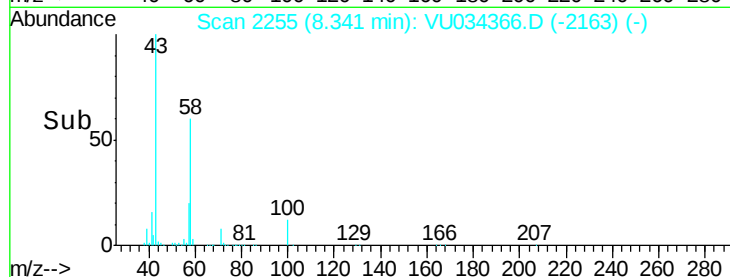
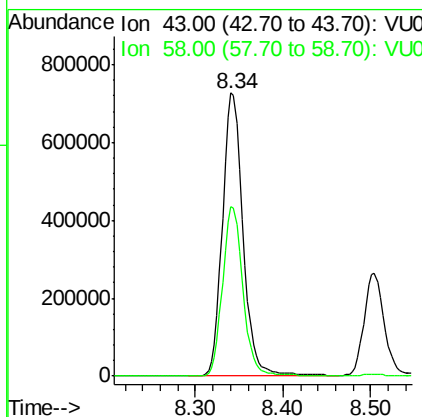
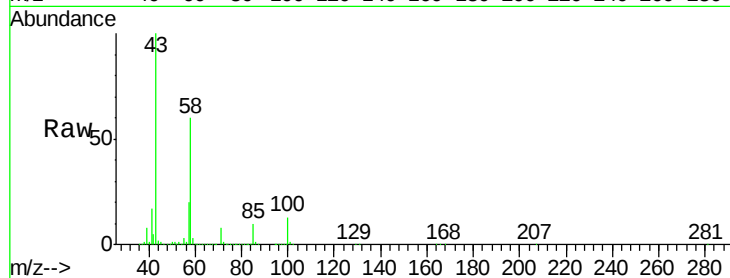
#59
2-Hexanone
Concen: 248.500 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1192080
Ion Ratio Lower Upper
43 100
58 59.5 28.8 86.5

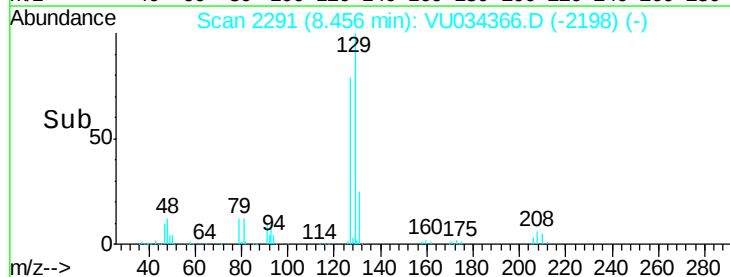
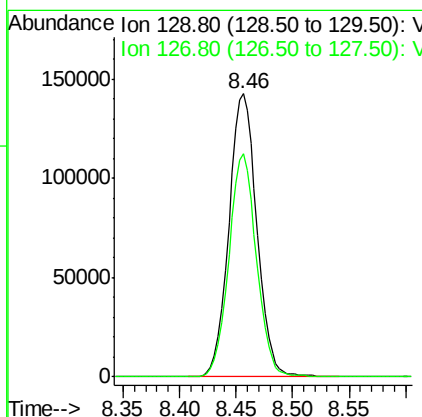
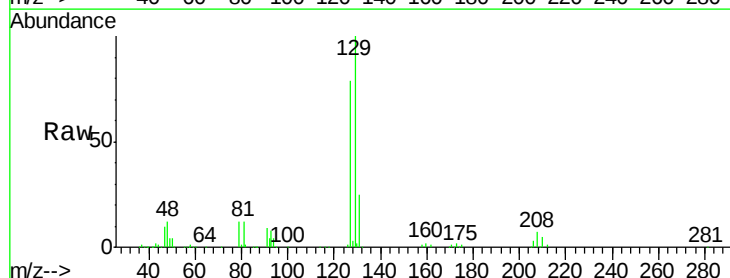
Manual Integrations
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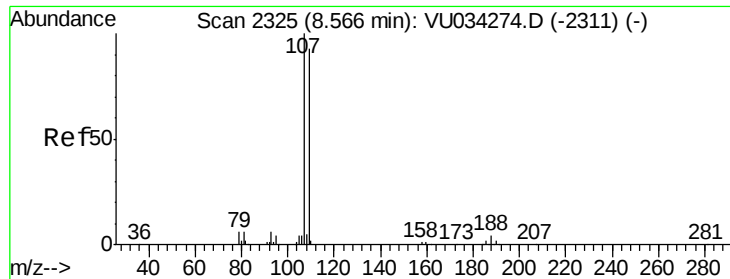
MMDadoda
9/10/2019 1:31:44 PM



#60
Dibromochloromethane
Concen: 49.488 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Tgt Ion: 129 Resp: 245385
Ion Ratio Lower Upper
129 100
127 77.9 37.9 113.7





#61

1,2-Dibromoethane

Concen: 48.343 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 218738

Ion Ratio Lower Upper

107 100

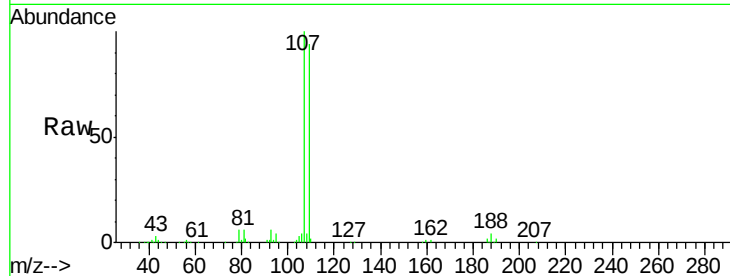
109 95.1 75.0 112.6

Manual Integrations

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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

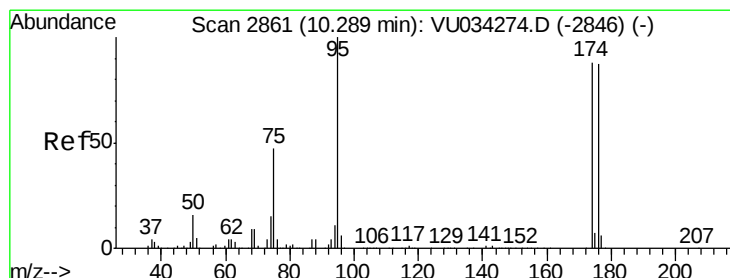
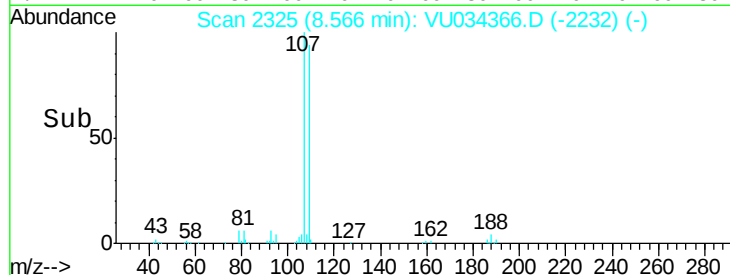
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.796 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

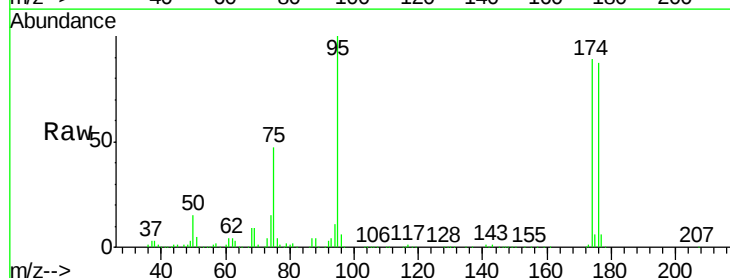
Tgt Ion: 95 Resp: 280413

Ion Ratio Lower Upper

95 100

174 90.0 0.0 175.2

176 87.0 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

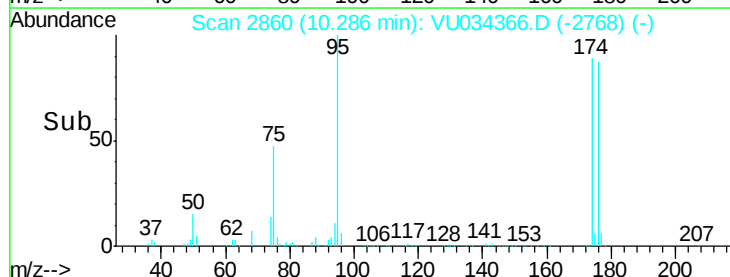
150000

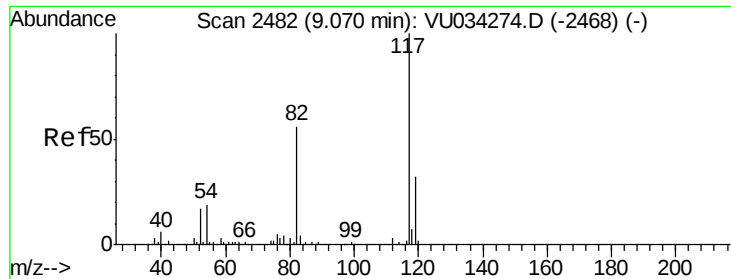
100000

50000

0

Time-->





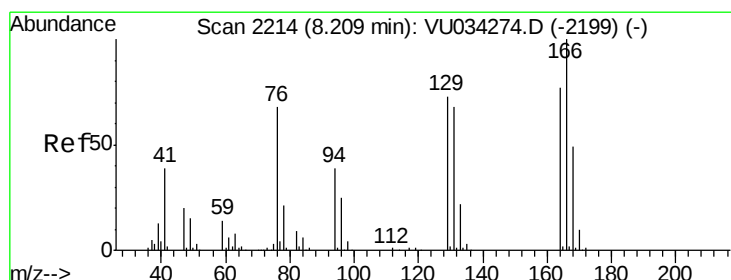
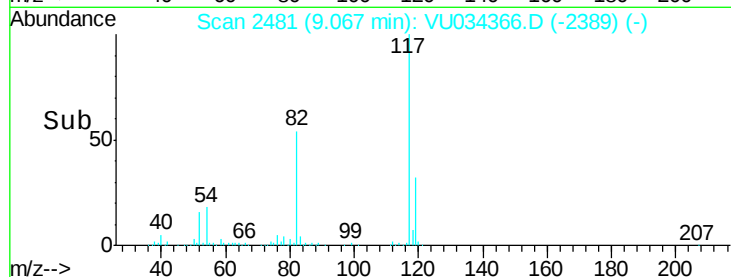
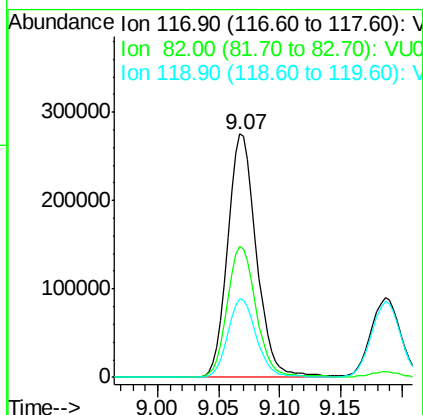
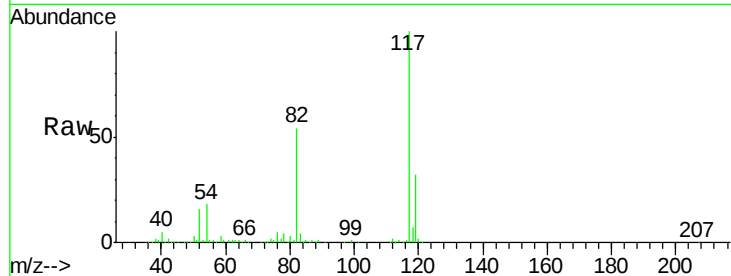
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	455776		
82	53.9		44.6	67.0
119	32.1		25.9	38.9

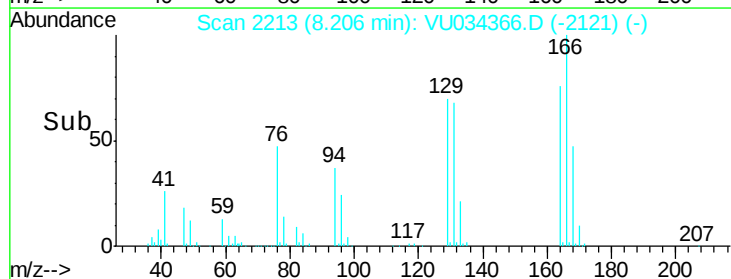
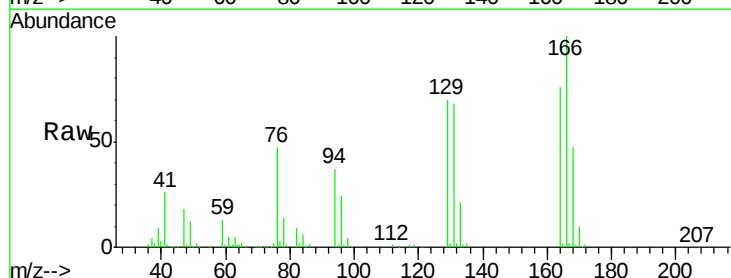
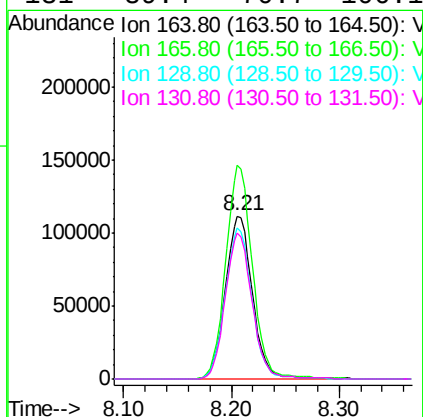
Manual Integrations
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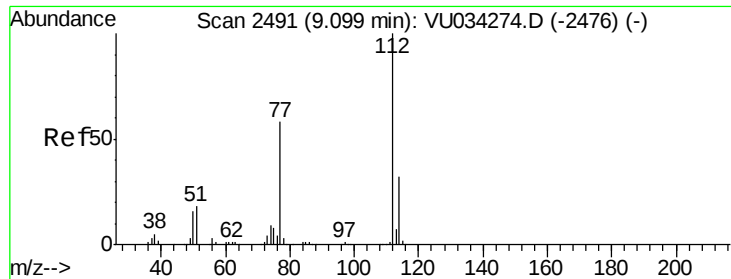
MMDadoda
9/10/2019 1:31:44 PM



#64
Tetrachloroethene
Concen: 49.419 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	195410		
166	131.0		103.7	155.5
129	92.3		75.8	113.8
131	89.4		70.7	106.1





#65

Chlorobenzene

Concen: 50.384 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 582597

Ion Ratio Lower Upper

112 100

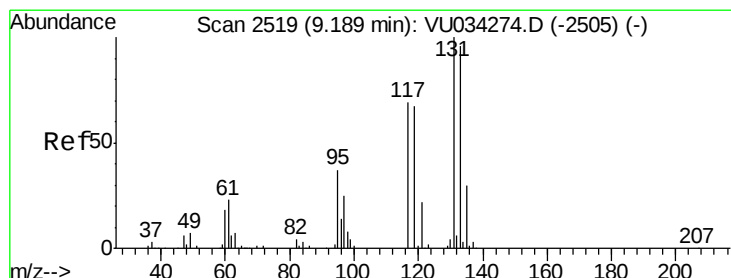
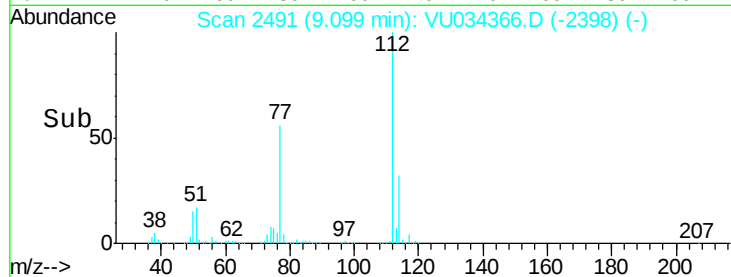
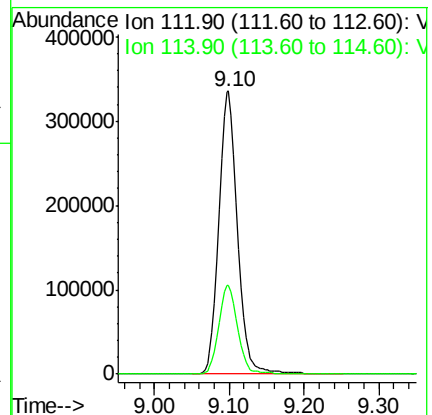
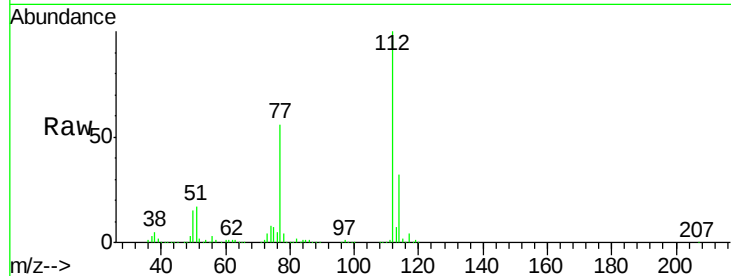
114 31.6 25.9 38.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 48.367 ug/l

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

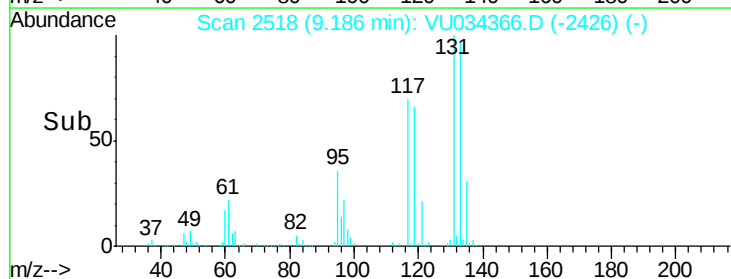
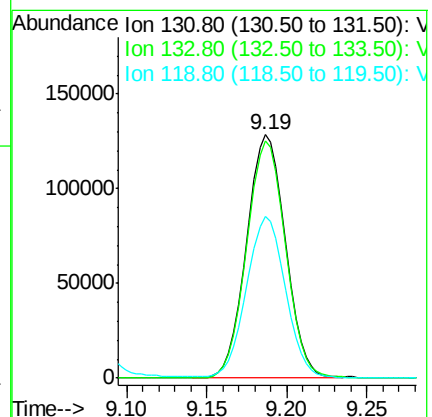
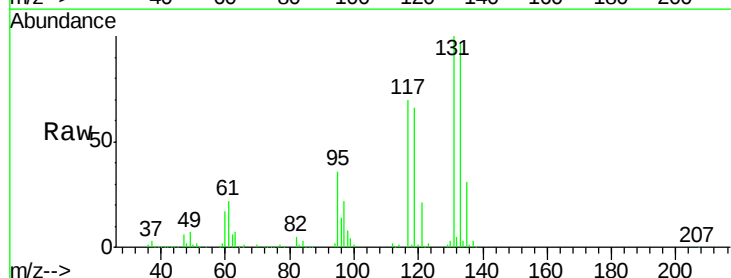
Tgt Ion:131 Resp: 213440

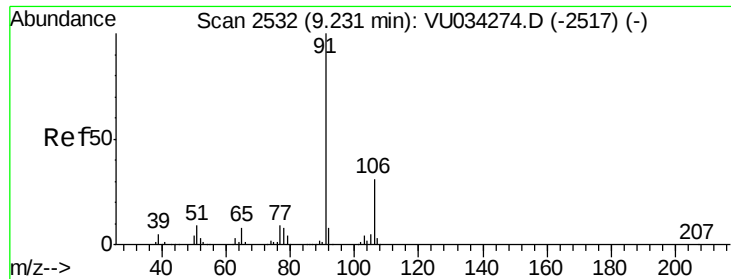
Ion Ratio Lower Upper

131 100

133 97.5 47.9 143.7

119 66.4 33.1 99.5





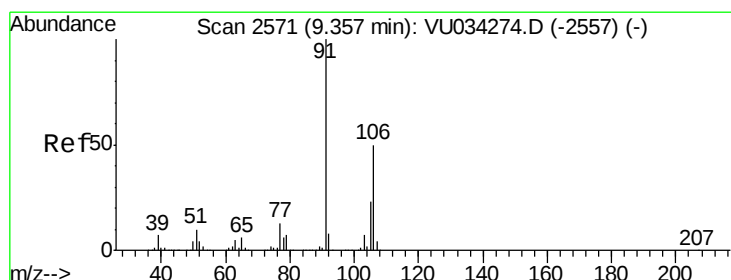
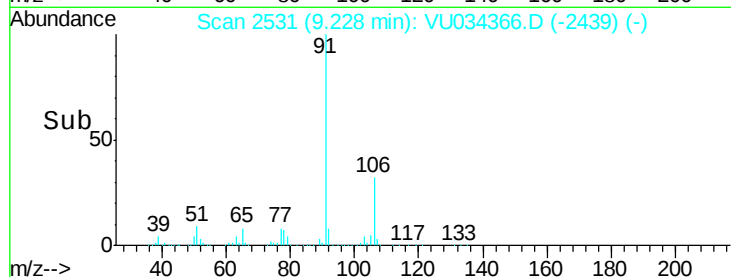
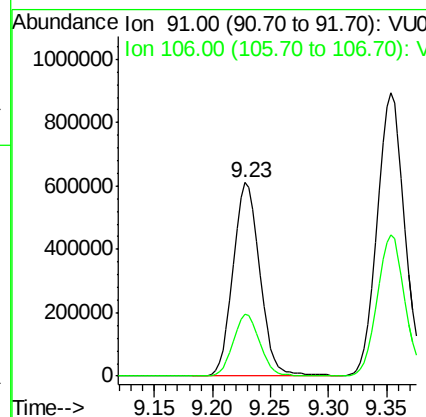
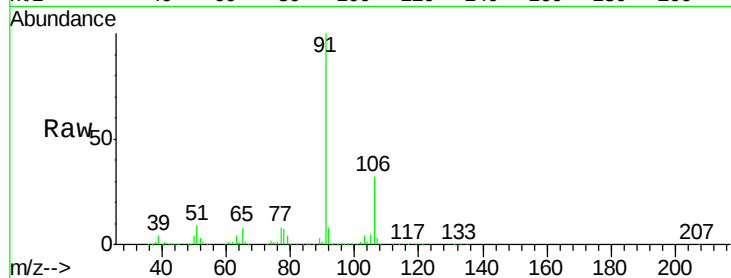
#67
Ethyl Benzene
Concen: 51.622 ug/l
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 975988
Ion Ratio Lower Upper
91 100
106 32.1 24.8 37.2

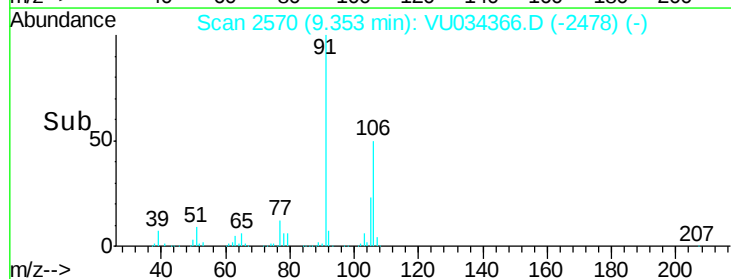
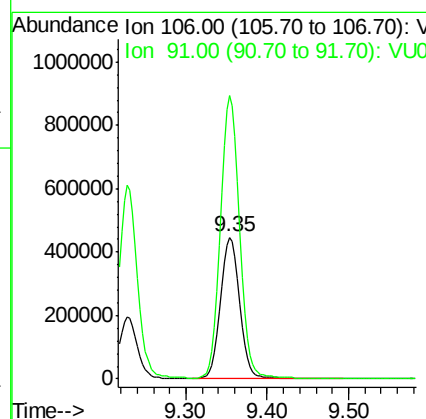
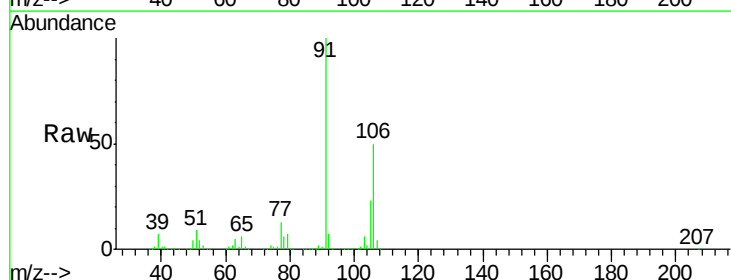
Manual Integrations
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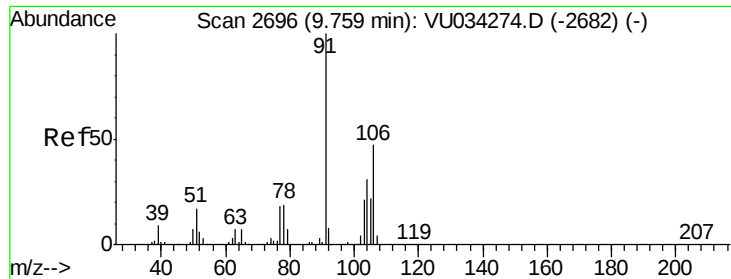
MMDadoda
9/10/2019 1:31:44 PM



#68
m/p-Xylenes
Concen: 105.648 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Tgt Ion: 106 Resp: 752157
Ion Ratio Lower Upper
106 100
91 198.3 160.1 240.1





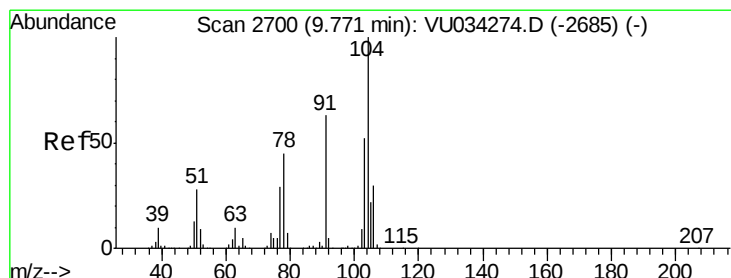
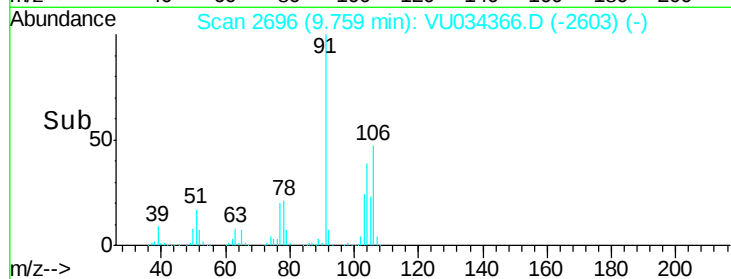
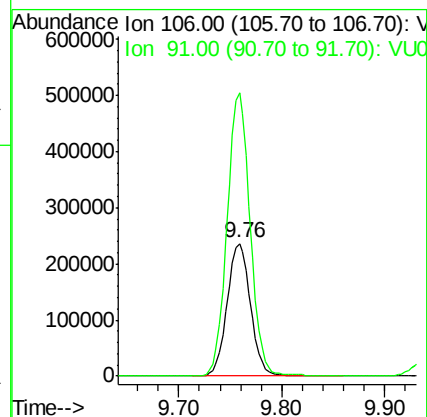
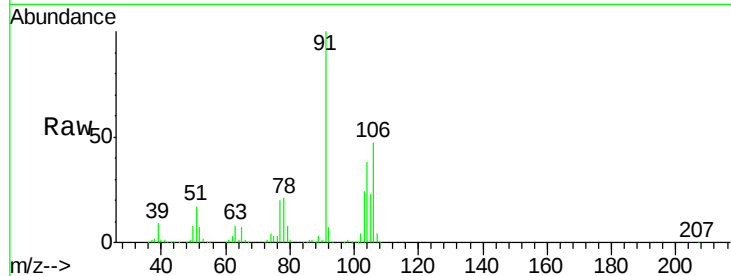
#69
o-Xylene
Concen: 53.570 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		372982		
91	210.0	105.1	315.3		

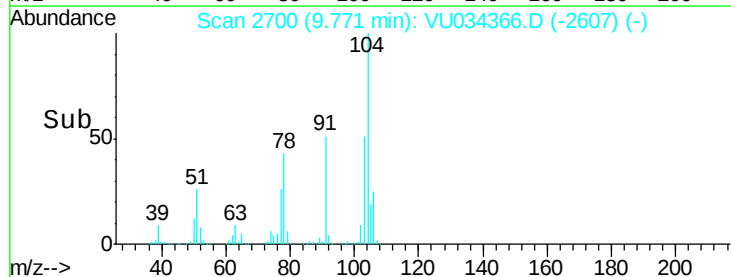
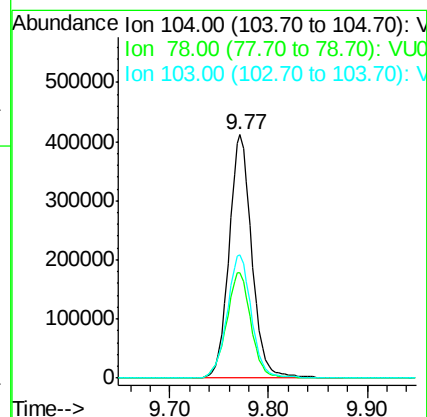
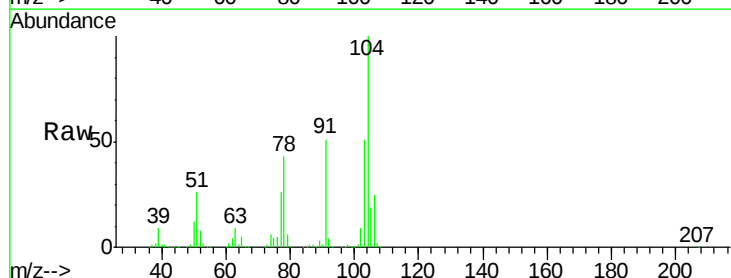
Manual Integrations
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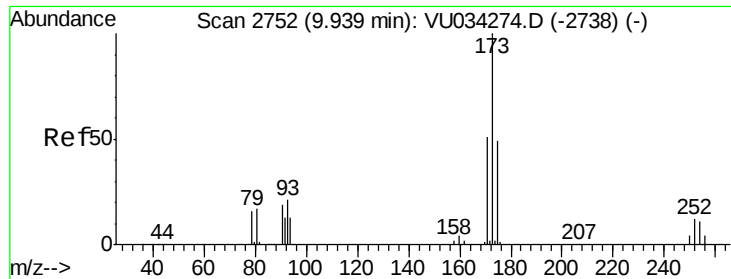
MMDadoda
9/10/2019 1:31:44 PM



#70
Styrene
Concen: 54.606 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		666592		
78	46.8	38.6	57.8		
103	54.2	44.2	66.4		





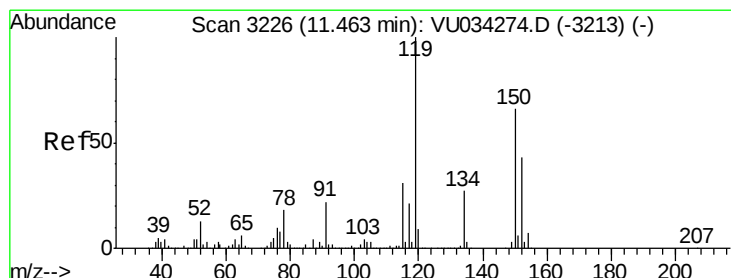
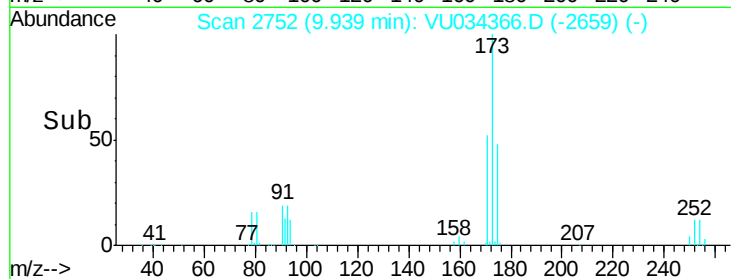
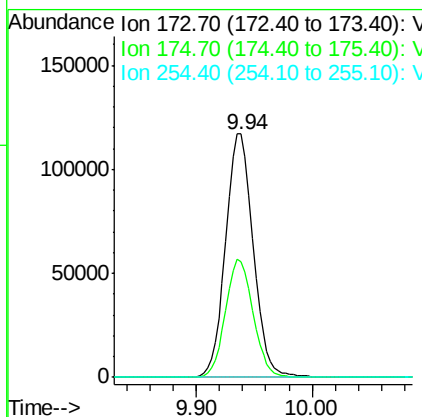
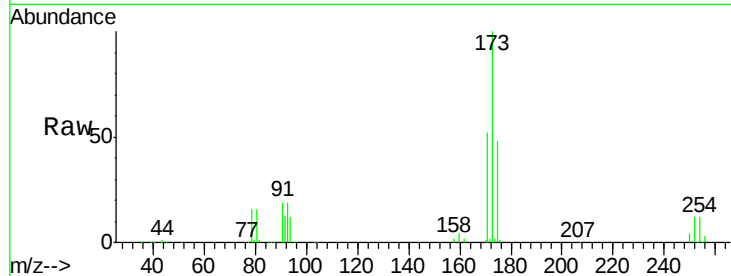
#71
Bromoform
Concen: 50.380 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.4	73.2
254	0.1	0.0	0.0#

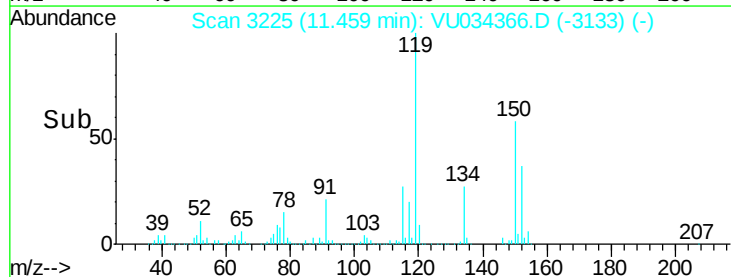
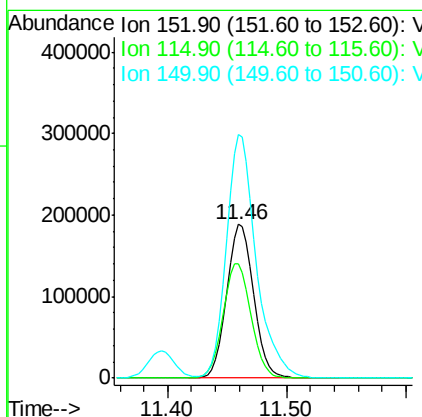
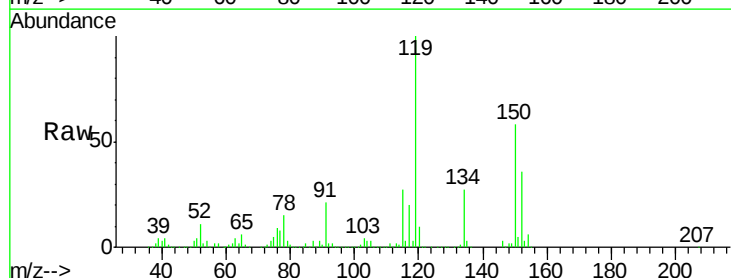
Manual Integrations
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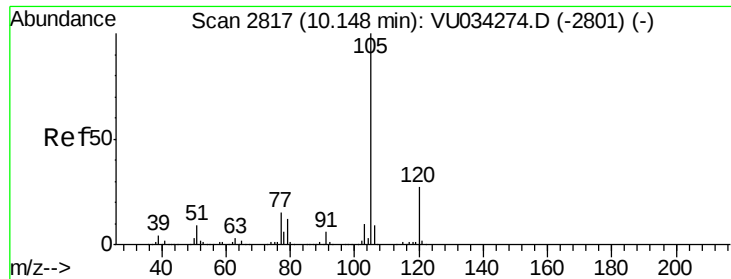
MMDadoda
9/10/2019 1:31:44 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3225
Delta R.T. -0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.0	39.1	117.3
150	174.0	0.0	345.4





#73

Isopropylbenzene

Concen: 52.660 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1014500

Ion Ratio Lower Upper

105 100

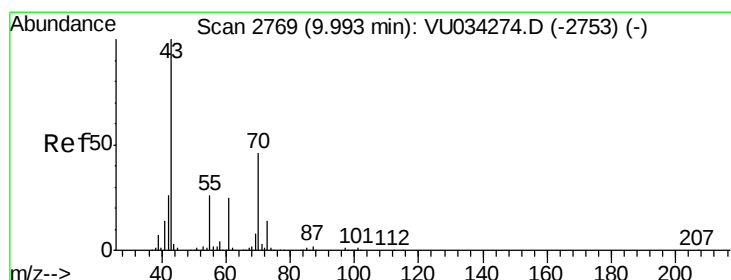
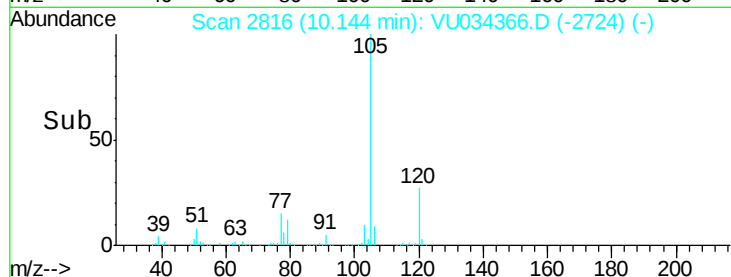
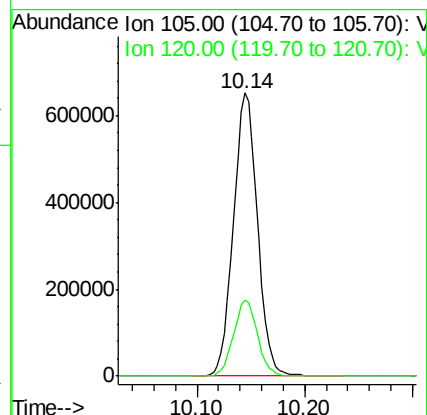
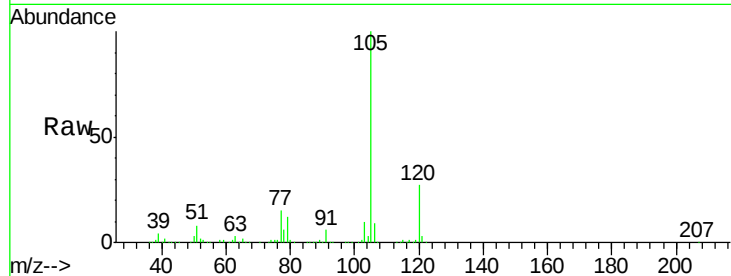
120 26.9 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 54.772 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Tgt Ion: 43 Resp: 424740

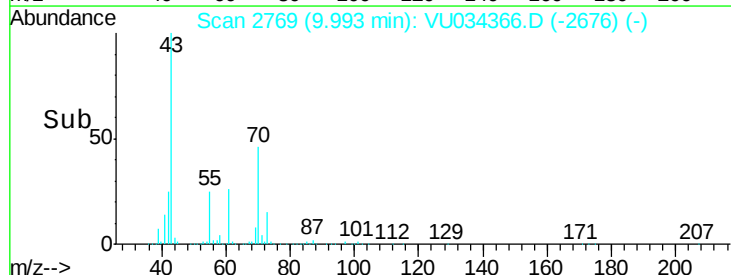
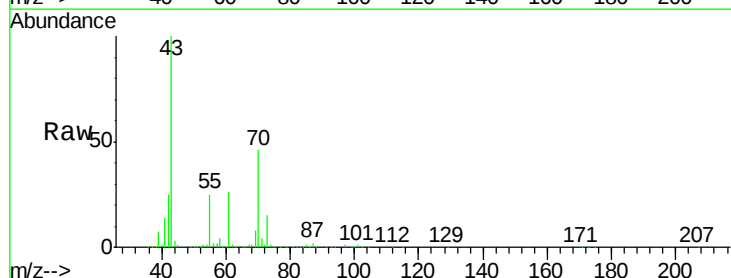
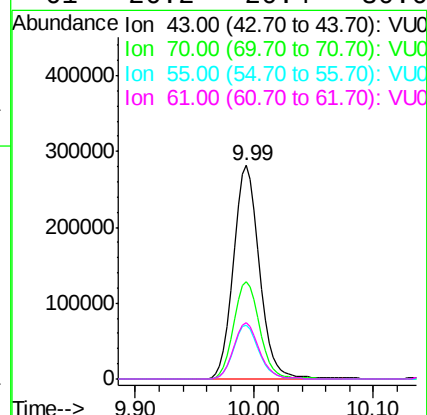
Ion Ratio Lower Upper

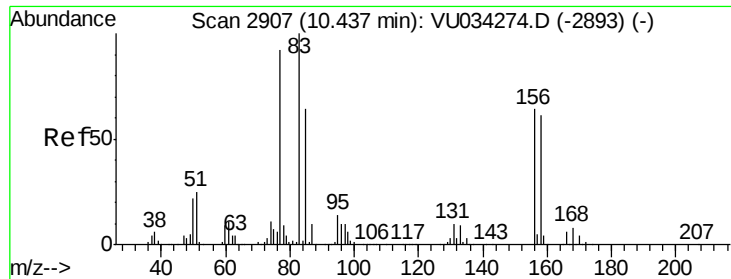
43 100

70 46.2 36.4 54.6

55 25.4 21.2 31.8

61 26.2 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.389 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 377336

Ion Ratio Lower Upper

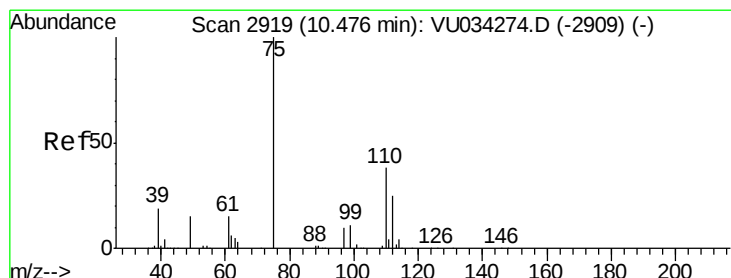
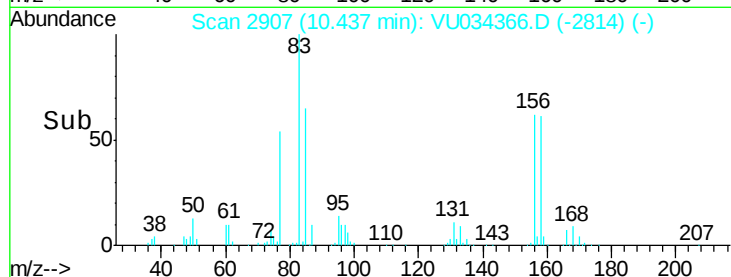
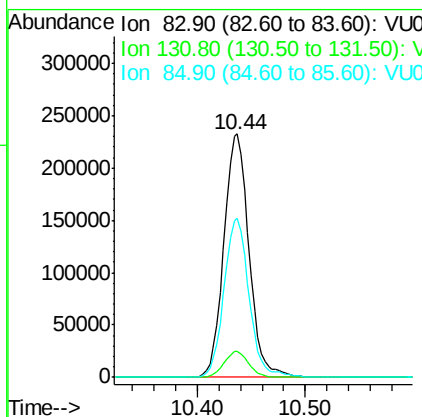
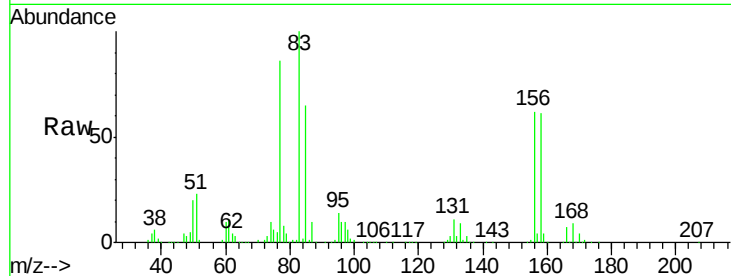
83 100

131 10.4 5.1 15.2

85 65.3 32.0 96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.278 ug/l m

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034366.D

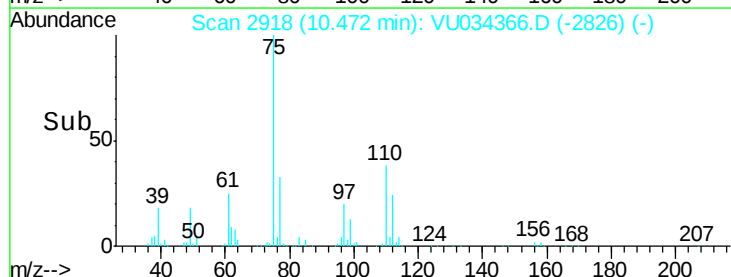
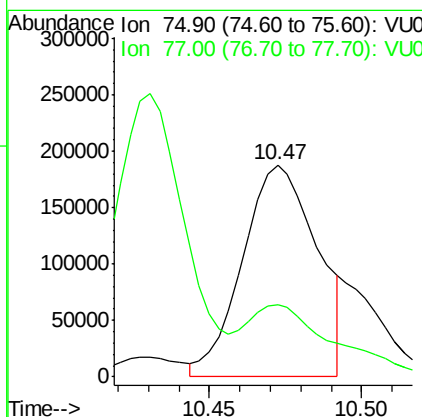
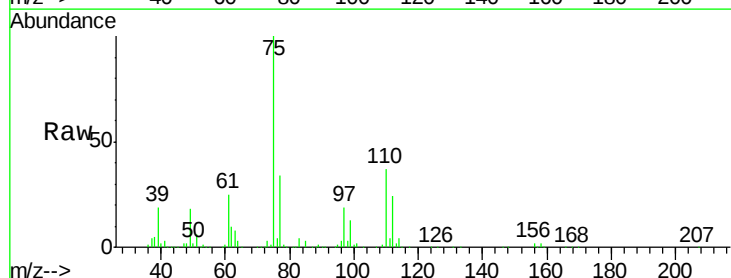
Acq: 07 Sep 2019 05:41

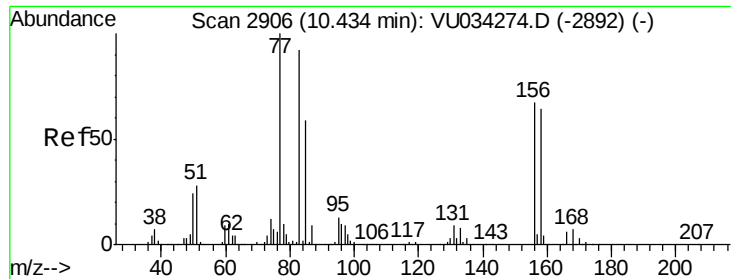
Tgt Ion: 75 Resp: 318423

Ion Ratio Lower Upper

75 100

77 41.1 20.8 62.2





#77

Bromobenzene

Concen: 51.815 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 279115

Ion Ratio Lower Upper

156 100

77 145.6 75.6 226.9

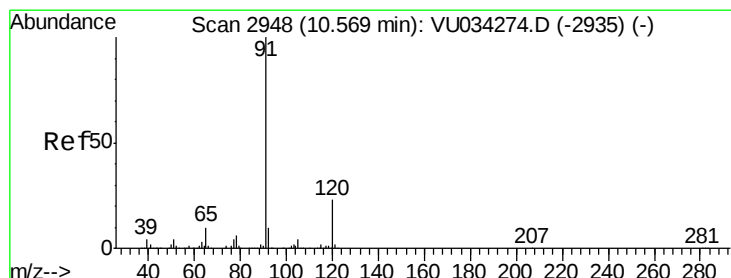
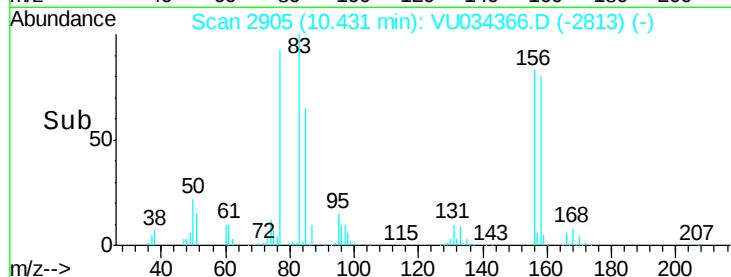
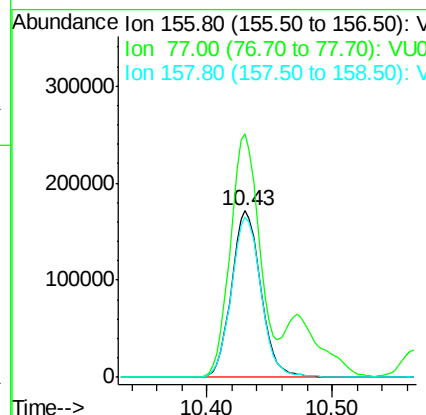
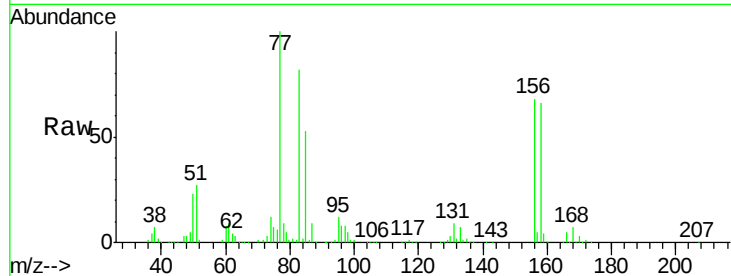
158 97.3 48.2 144.6

Manual Integrations

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#78

n-propylbenzene

Concen: 51.750 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034366.D

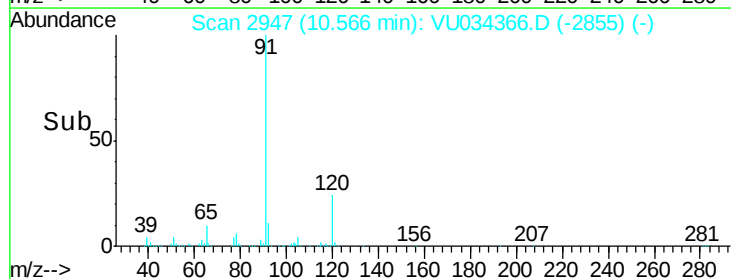
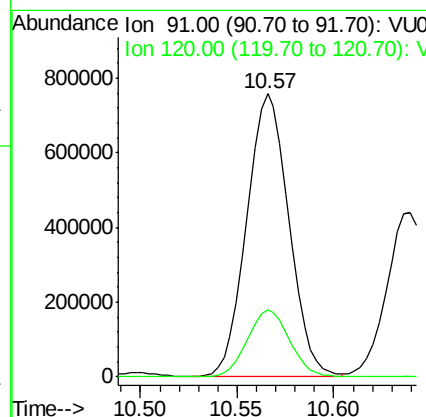
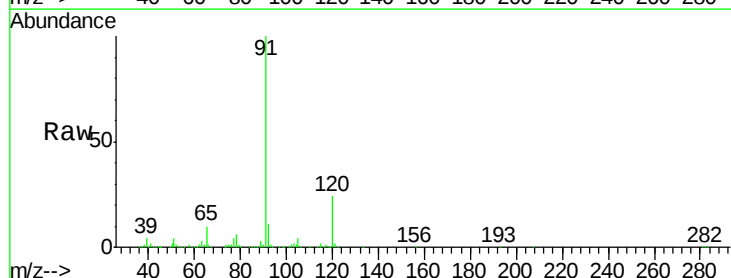
Acq: 07 Sep 2019 05:41

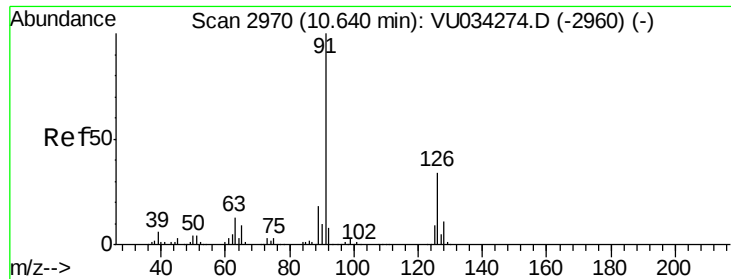
Tgt Ion: 91 Resp: 1151385

Ion Ratio Lower Upper

91 100

120 23.8 11.7 35.0





#79

2-Chlorotoluene

Concen: 50.920 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 691263

Ion Ratio Lower Upper

91 100

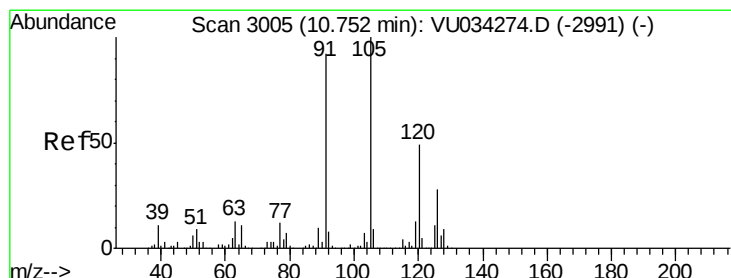
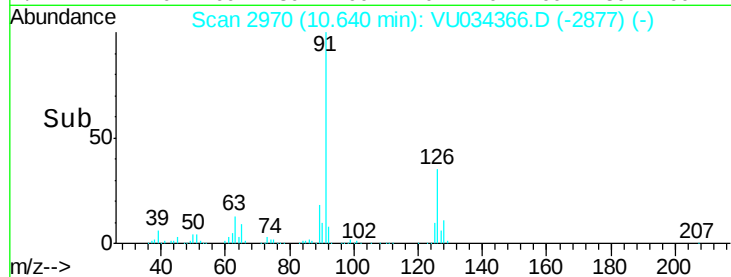
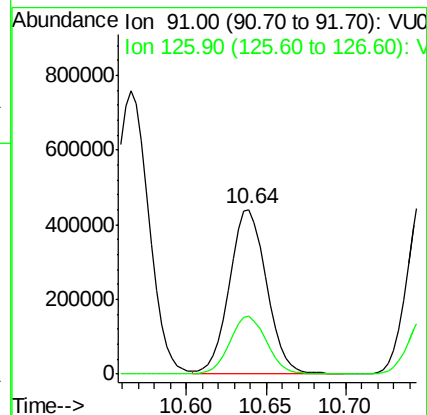
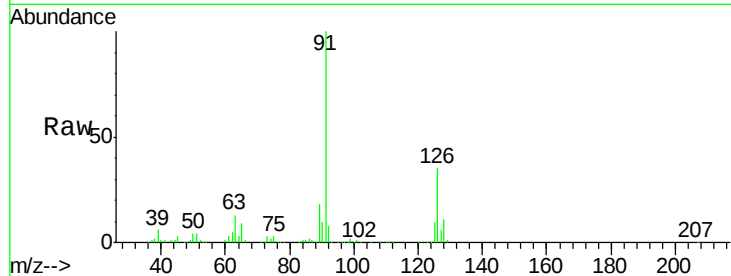
126 35.2 17.3 51.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.824 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034366.D

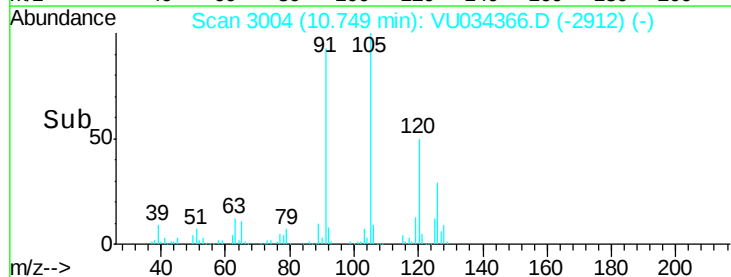
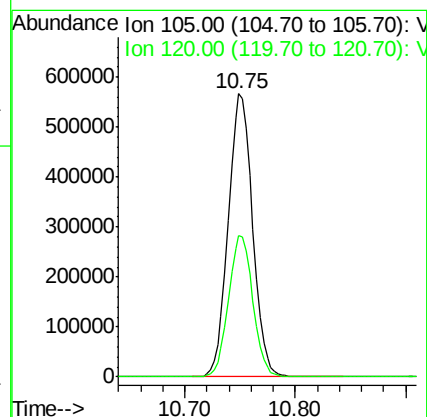
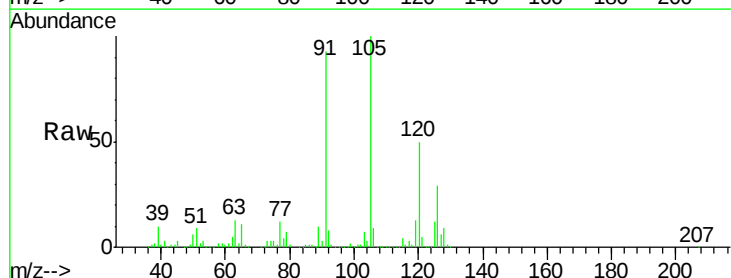
Acq: 07 Sep 2019 05:41

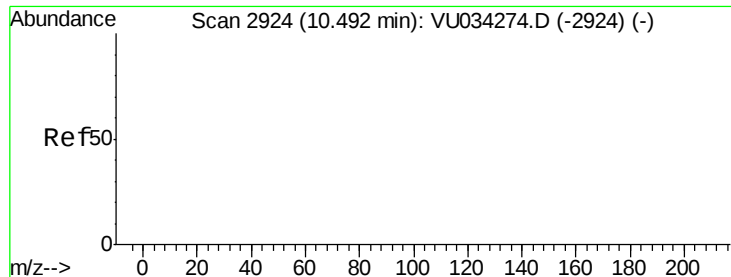
Tgt Ion: 105 Resp: 867219

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 42.499 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

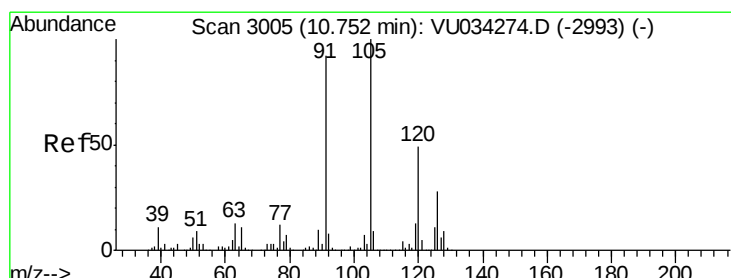
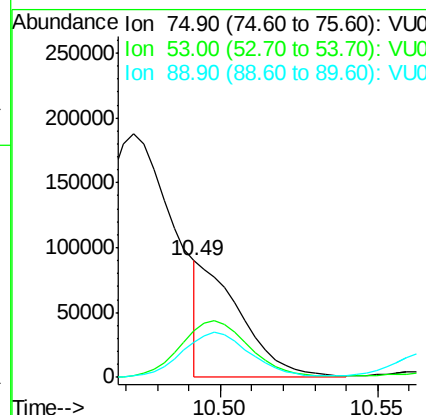
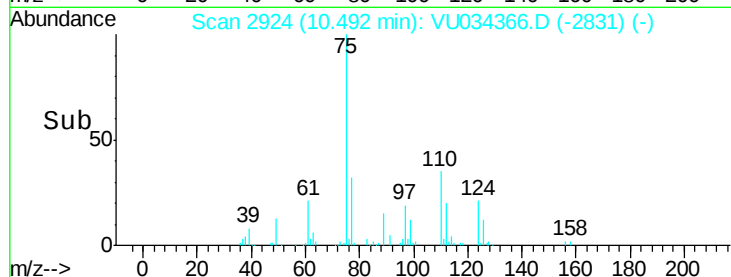
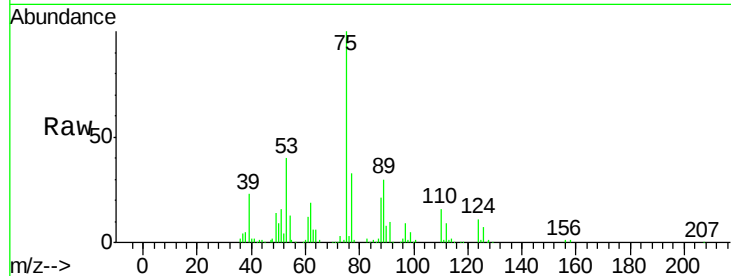
Instrument :
MSVOA_U

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: 51.861 ug/l

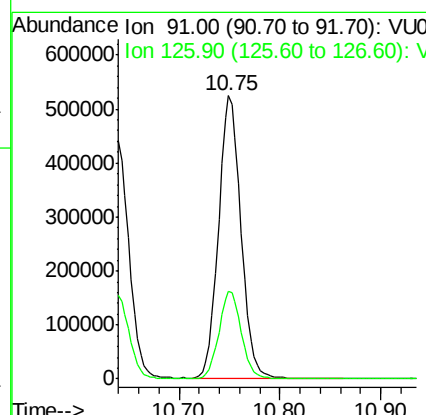
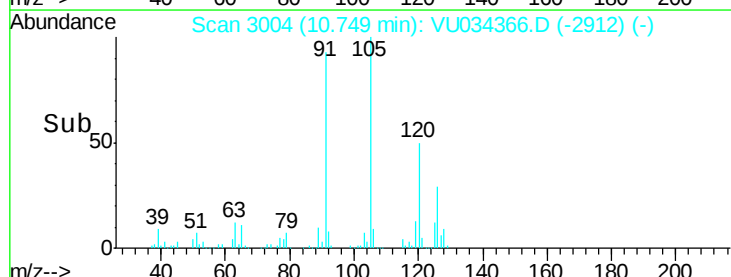
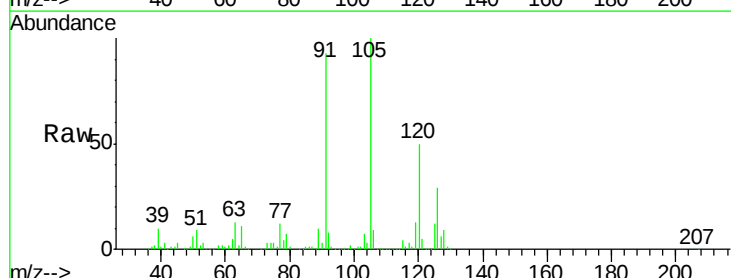
RT: 10.75 min Scan# 3004

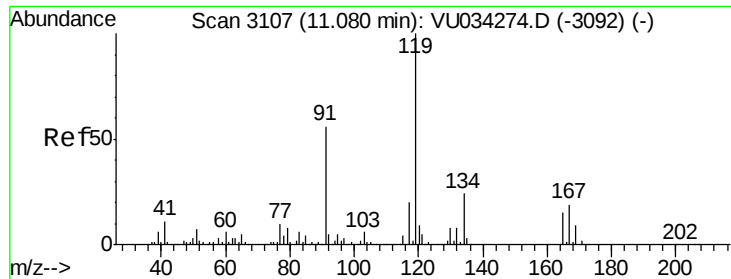
Delta R.T. -0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.3	45.8





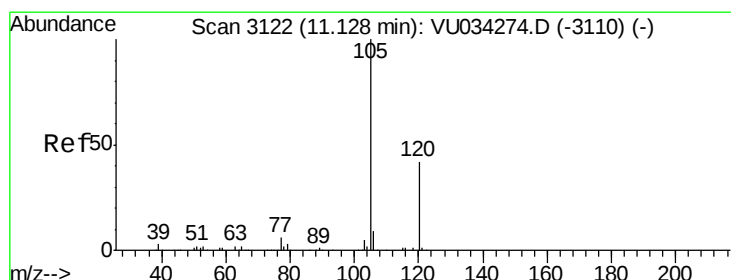
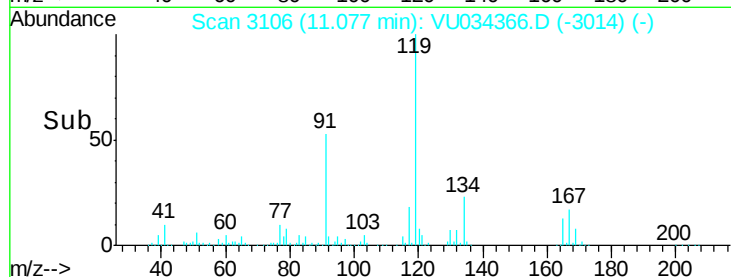
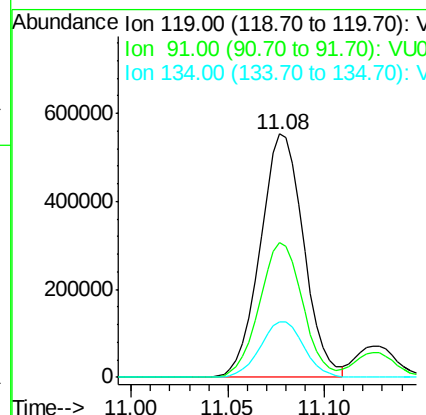
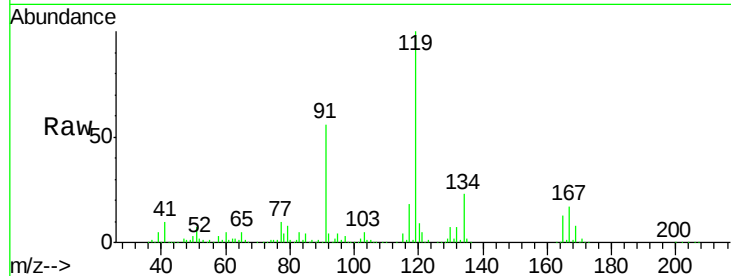
#83
tert-Butylbenzene
Concen: 53.630 ug/l
RT: 11.08 min Scan# 3106
Delta R.T. -0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.1	27.8	83.4
134	23.1	11.7	35.0

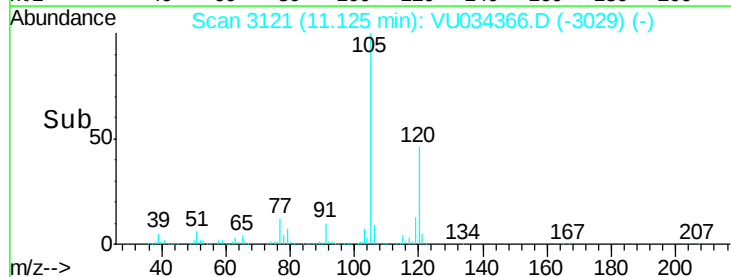
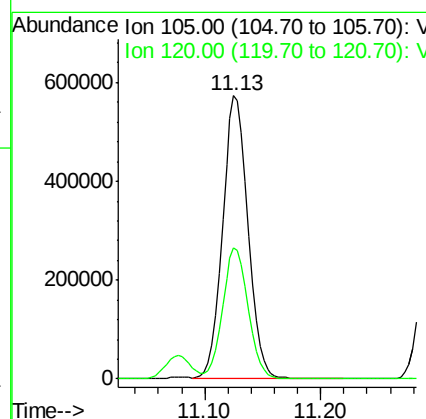
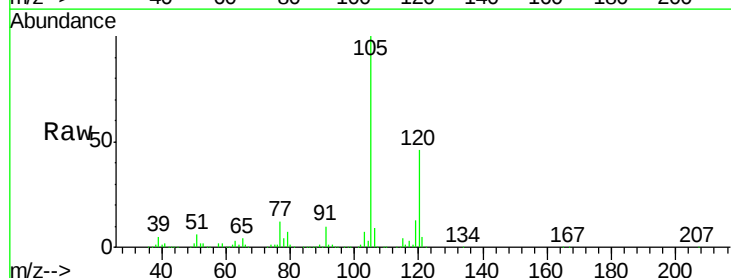
Manual Integrations
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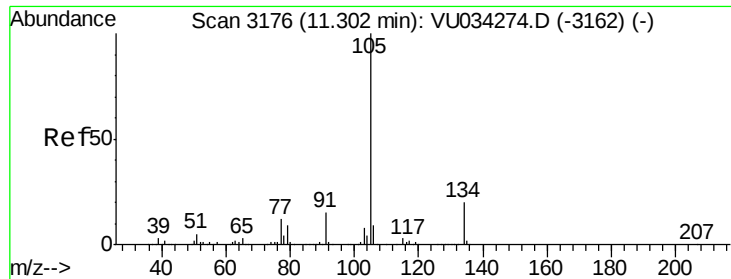
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 53.900 ug/l
RT: 11.13 min Scan# 3121
Delta R.T. -0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.9	68.8





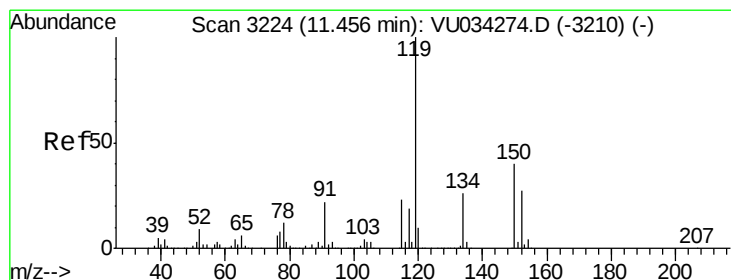
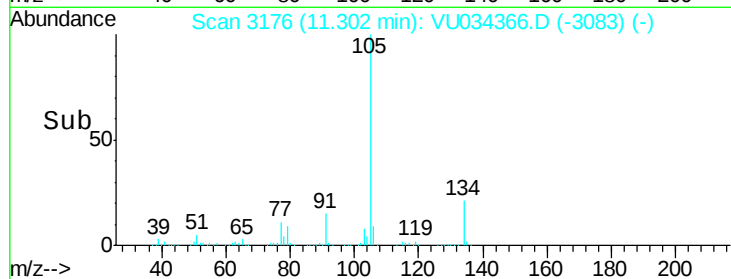
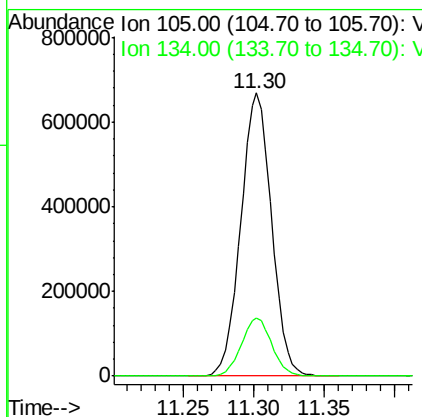
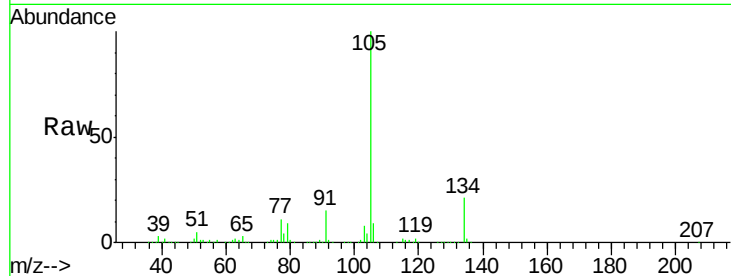
#85
 sec-Butylbenzene
 Concen: 53.642 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. 0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1020734
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.3

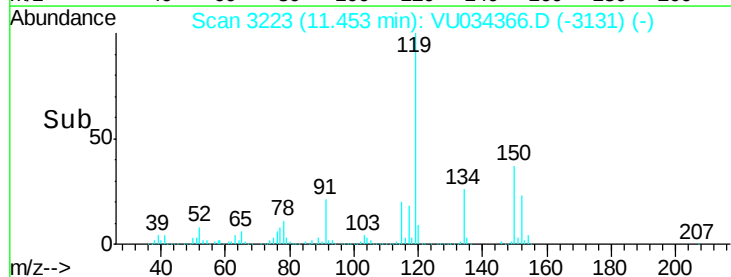
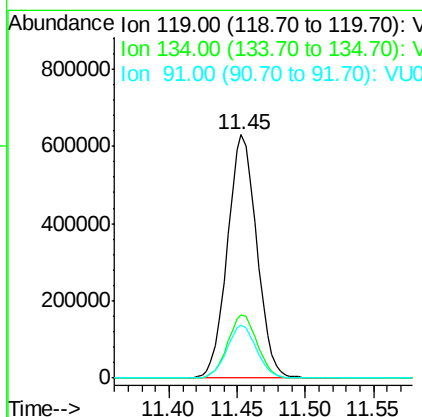
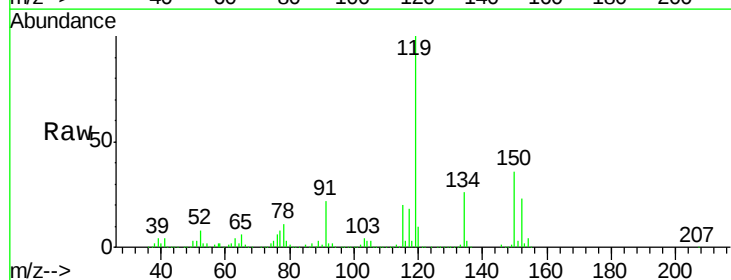
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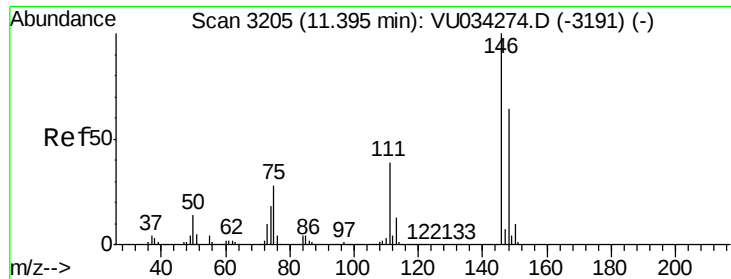
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#86
 p-Isopropyltoluene
 Concen: 53.351 ug/l
 RT: 11.45 min Scan# 3223
 Delta R.T. -0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Tgt Ion:119 Resp: 937008
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 21.8 11.2 33.6





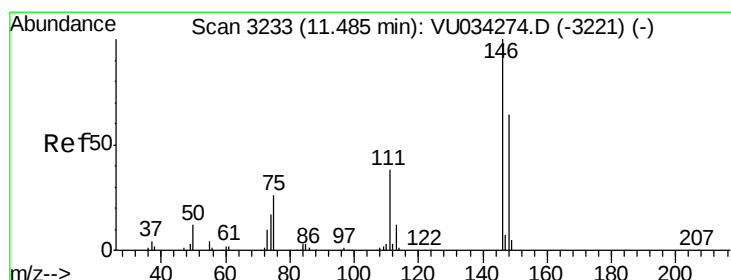
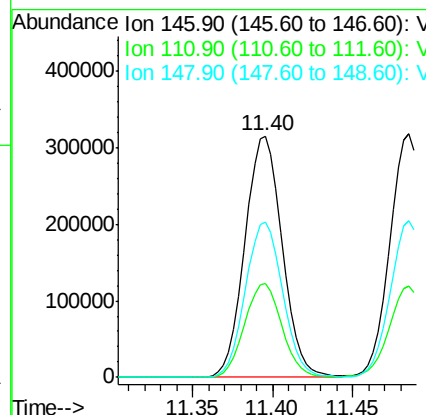
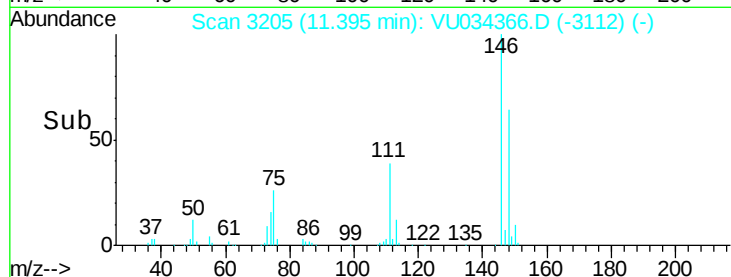
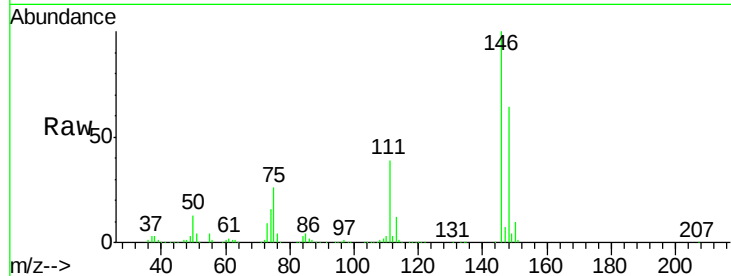
#87
 1,3-Dichlorobenzene
 Concen: 51.092 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	64.4	32.1	96.3

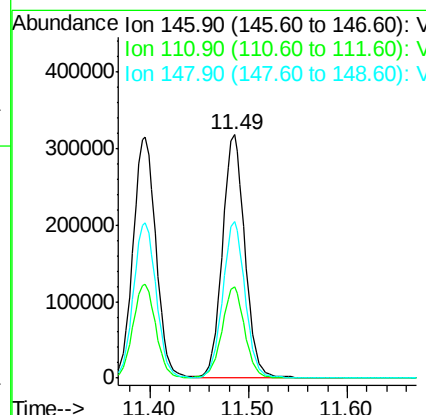
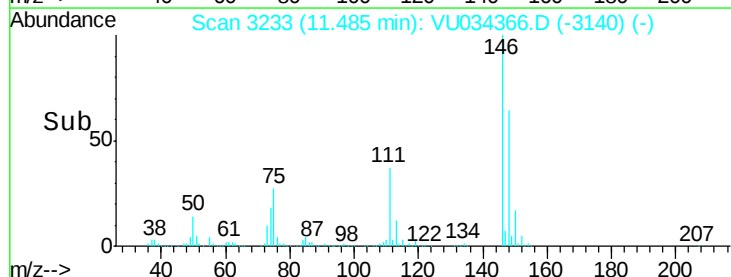
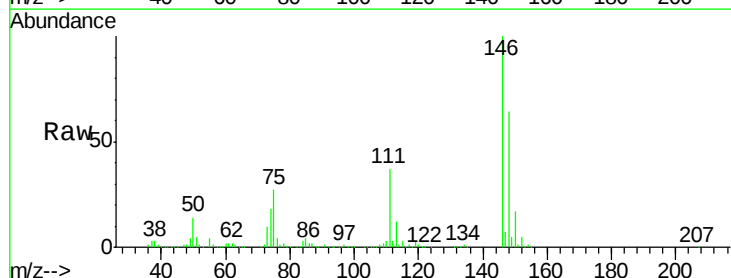
Manual Integrations
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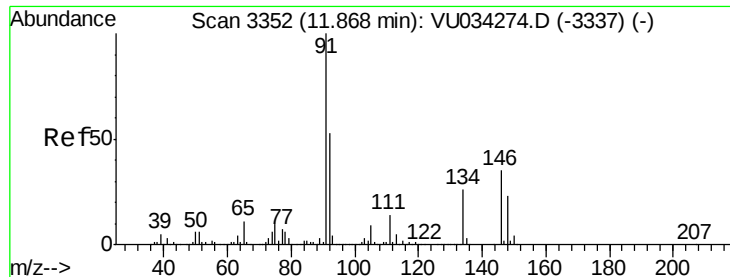
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#88
 1,4-Dichlorobenzene
 Concen: 49.634 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.3
148	63.9	32.0	96.0





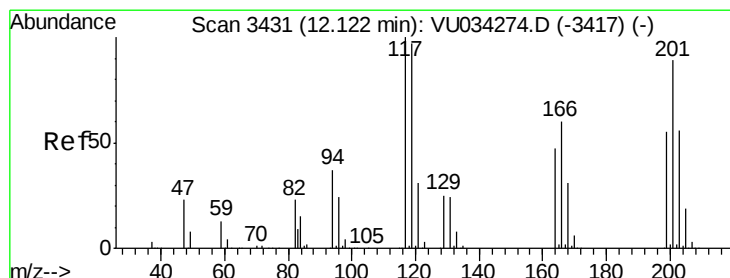
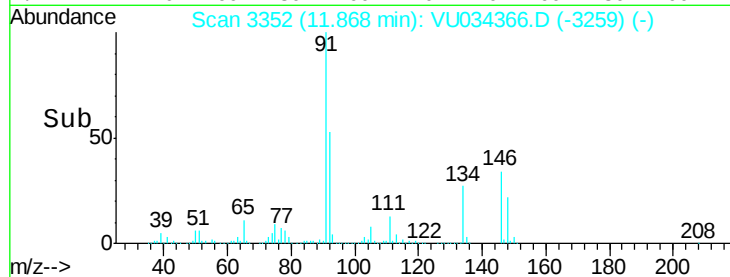
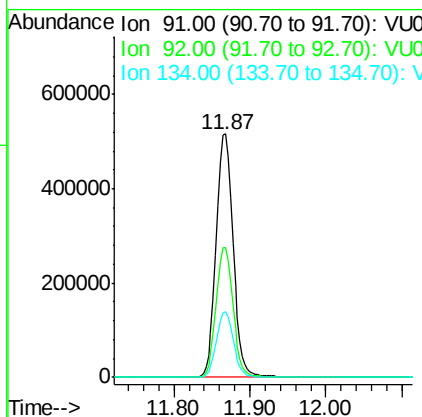
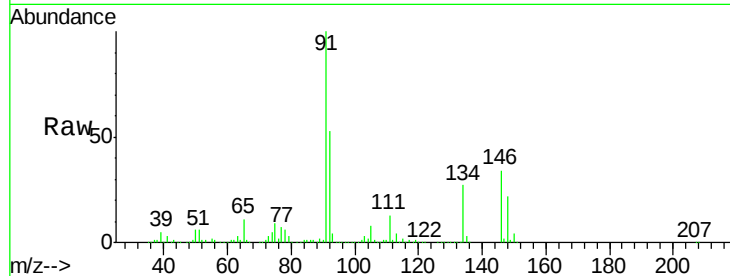
#89
n-Butylbenzene
Concen: 52.478 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.5	79.4
134	26.9	13.2	39.6

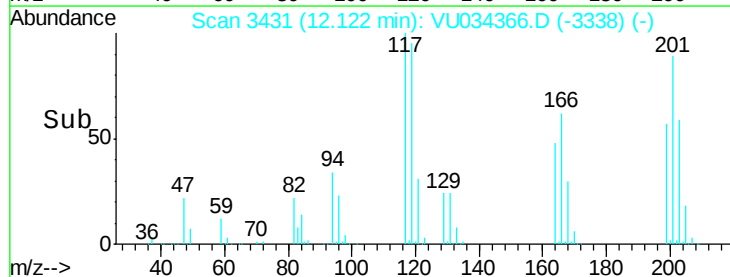
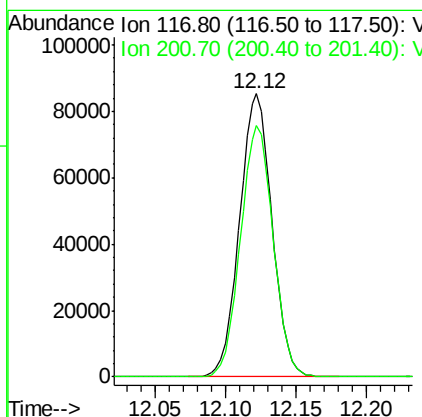
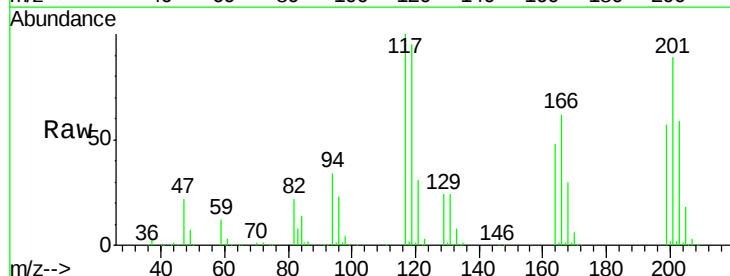
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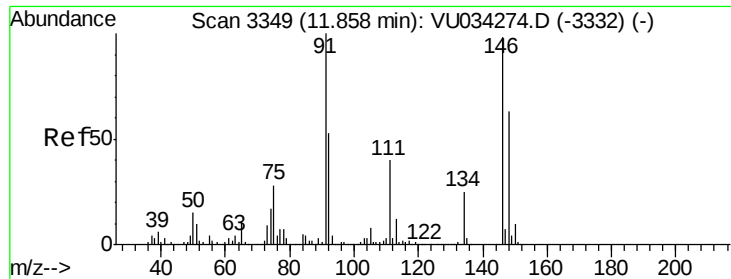
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#90
Hexachloroethane
Concen: 48.935 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.3	44.1	132.4





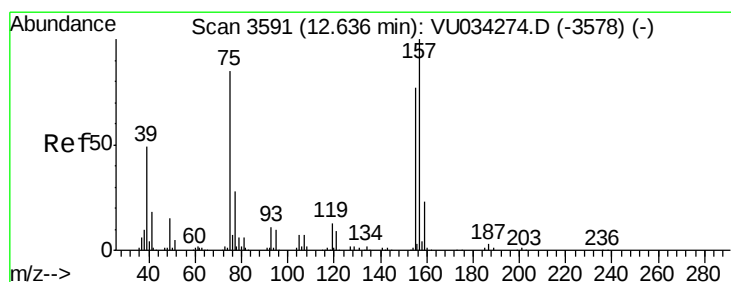
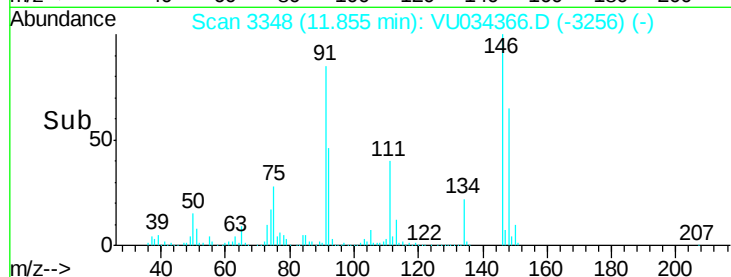
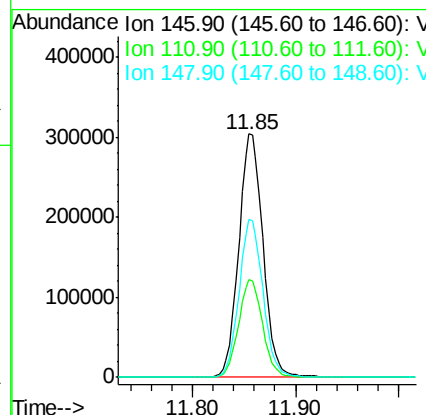
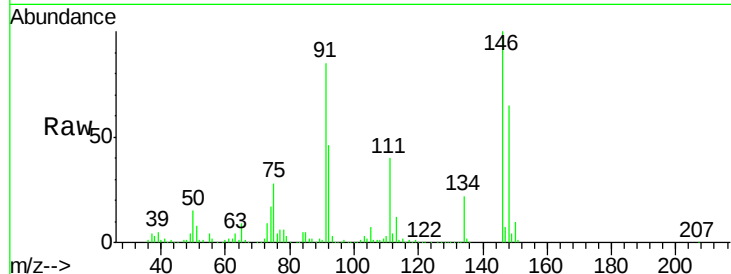
#91
 1,2-Dichlorobenzene
 Concen: 51.667 ug/l
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	60.0
148	64.4	31.6	94.8

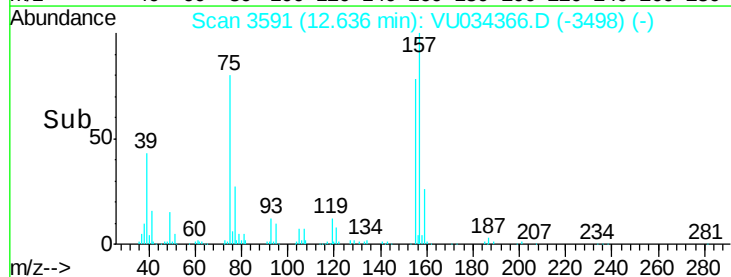
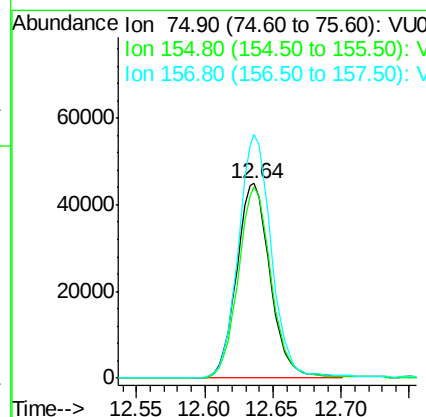
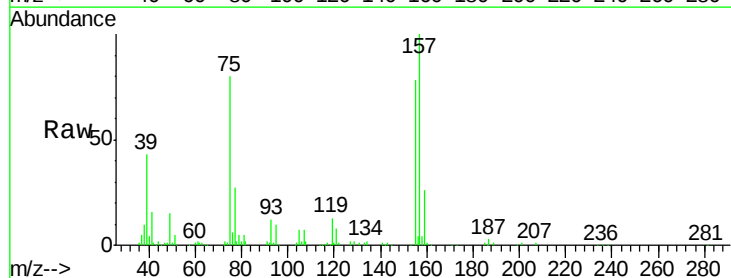
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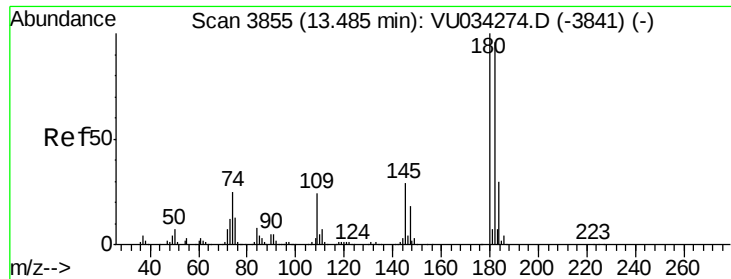
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.682 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034366.D
 Acq: 07 Sep 2019 05:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.8	44.6	134.0
157	123.7	58.2	174.6





#93

1,2,4-Trichlorobenzene

Concen: 50.859 ug/l

RT: 13.48 min Scan# 3854

Delta R.T. -0.00 min

Lab File: VU034366.D

Acq: 07 Sep 2019 05:41

Instrument :

MSVOA_U

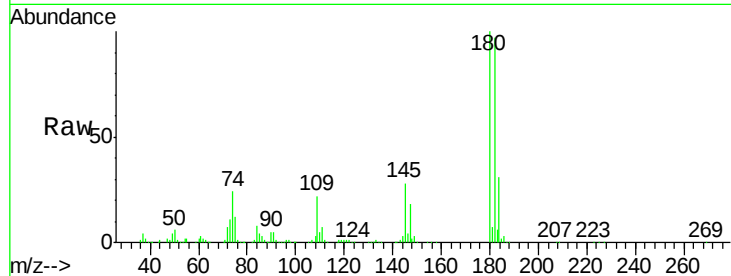
ClientSampleId :

VSTDCCC050EC

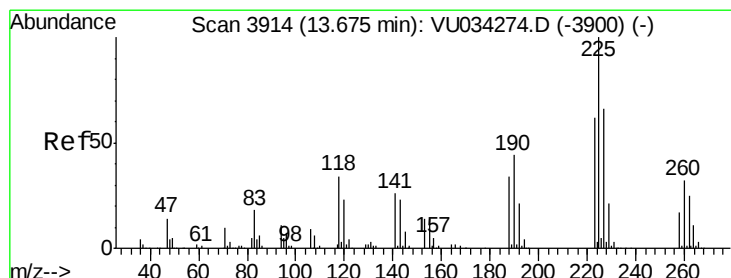
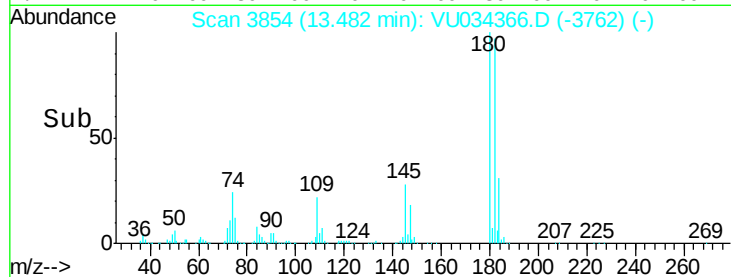
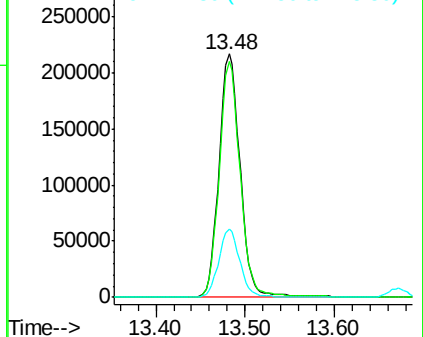
Tot Ion:	180	Resp:	356779
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.8
145	28.2	14.4	43.0

Manual Integrations
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MMDadoda
9/10/2019 1:31:44 PM



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: 45.605 ug/l

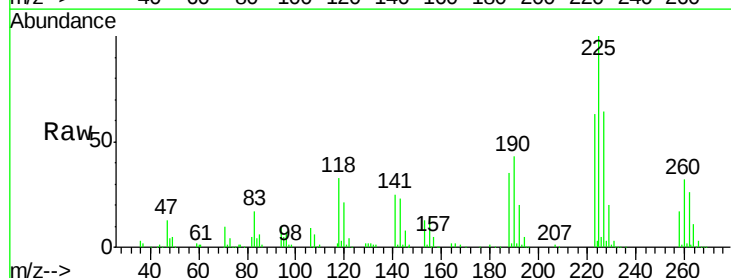
RT: 13.67 min Scan# 3913

Delta R.T. -0.00 min

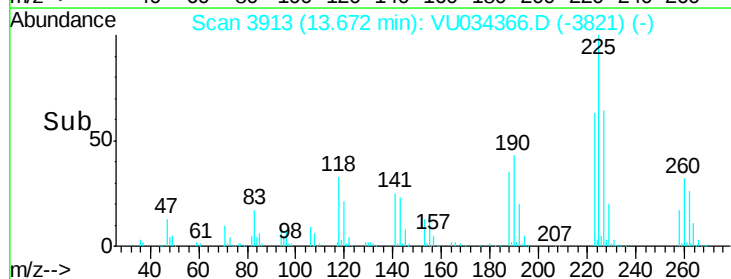
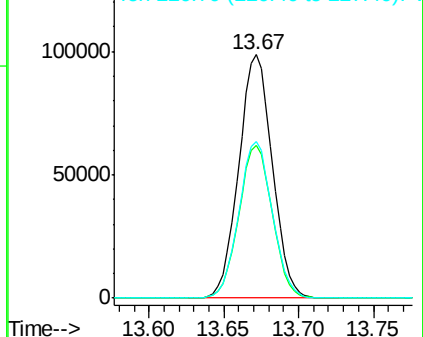
Lab File: VU034366.D

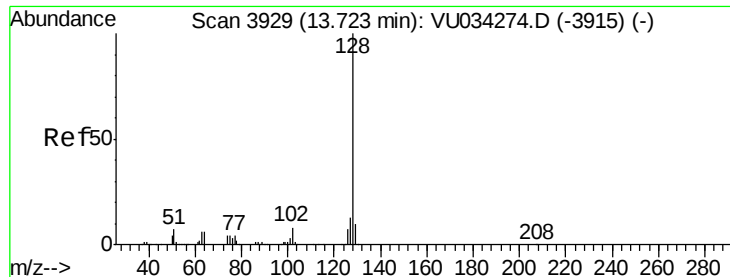
Acq: 07 Sep 2019 05:41

Tgt Ion:	225	Resp:	154106
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.6	94.7
227	64.1	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





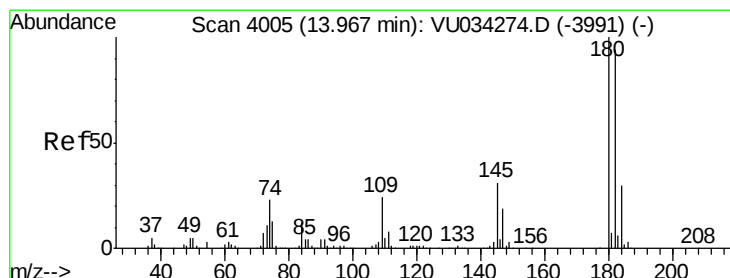
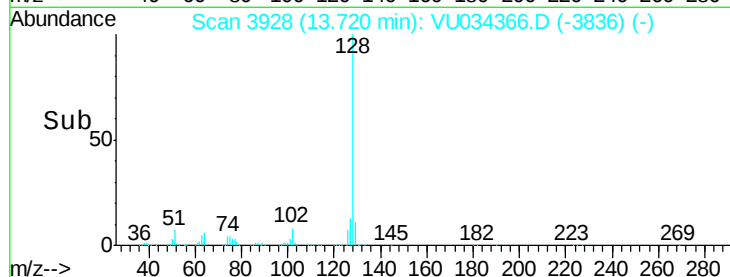
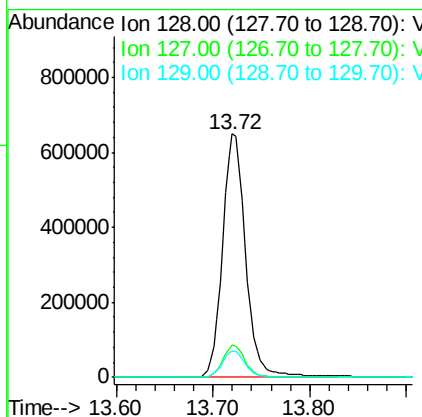
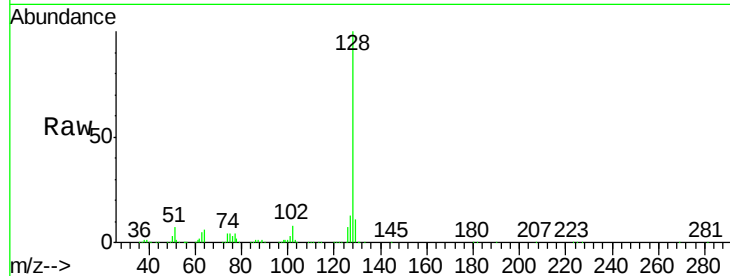
#95
Naphthalene
Concen: 54.247 ug/l
RT: 13.72 min Scan# 3928
Delta R.T. -0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 1077502
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.8 8.4 12.6

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 51.528 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034366.D
Acq: 07 Sep 2019 05:41

Tgt Ion:180 Resp: 349280
Ion Ratio Lower Upper
180 100
182 97.7 48.4 145.0
145 30.4 15.4 46.4

