

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032120\
 Data File : VU037360.D
 Acq On : 21 Mar 2020 17:49
 Operator : JC/MD
 Sample : VSTD00534
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 23 04:02:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 23 04:00:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	273419	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	269763	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	120564	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	14319	6.53	ug/L	0.00
7) Chloroethane-d5	1.93	69	11666	6.68	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	22639	5.78	ug/L	0.00
21) 2-Butanone-d5	4.67	46	18675	11.13	ug/L	0.00
24) Chloroform-d	5.11	84	23044	5.66	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	17345	5.87	ug/L	0.00
32) Benzene-d6	5.76	84	43757	5.86	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	13710	5.64	ug/L	0.00
41) Toluene-d8	7.92	98	40505	5.66	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	7280	5.45	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	12775	10.03	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	21047	5.57	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	15578	6.21	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	16908	5.960	ug/L 96
3) Chloromethane	1.54	50	15269	6.401	ug/L 98
5) Vinyl chloride	1.62	62	14248	5.627	ug/L 95
6) Bromomethane	1.87	94	6104	6.035	ug/L 94
8) Chloroethane	1.95	64	8042	5.478	ug/L 96
9) Trichlorofluoromethane	2.16	101	21380	5.590	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	10554	5.939	ug/L 96
12) 1,1-Dichloroethene	2.60	96	9085	5.586	ug/L 88
13) Acetone	2.66	43	12114	8.098	ug/L 99
14) Carbon disulfide	2.82	76	29575	6.228	ug/L 98
15) Methyl Acetate	2.98	43	12597	5.114	ug/L 97
16) Methylene chloride	3.08	84	10815	5.399	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	9442	5.553	ug/L 98
18) Methyl tert-butyl Ether	3.41	73	31639	4.911	ug/L 99
19) 1,1-Dichloroethane	3.91	63	19256	5.178	ug/L 97
20) cis-1,2-Dichloroethene	4.71	96	10192	5.021	ug/L 93
22) 2-Butanone	4.75	43	16900	8.697	ug/L 96
23) Bromochloromethane	5.02	128	5829	5.591	ug/L 90
25) Chloroform	5.13	83	22019	5.448	ug/L 97
27) 1,2-Dichloroethane	5.83	62	18241	5.123	ug/L 99
29) Cyclohexane	5.43	56	15913	5.041	ug/L 98
30) 1,1,1-Trichloroethane	5.35	97	18920	5.292	ug/L 96
31) Carbon tetrachloride	5.56	117	17153	5.438	ug/L 97
33) Benzene	5.81	78	40786	5.173	ug/L 100
34) Trichloroethene	6.57	95	10944	5.303	ug/L 99
35) Methylcyclohexane	6.79	83	15371	4.925	ug/L 95
37) 1,2-Dichloropropane	6.82	63	11181	5.027	ug/L 99
38) Bromodichloromethane	7.13	83	15629	5.019	ug/L 88
39) cis-1,3-Dichloropropene	7.64	75	15673	4.558	ug/L 96
40) 4-Methyl-2-pentanone	7.82	43	32122	8.909	ug/L 98

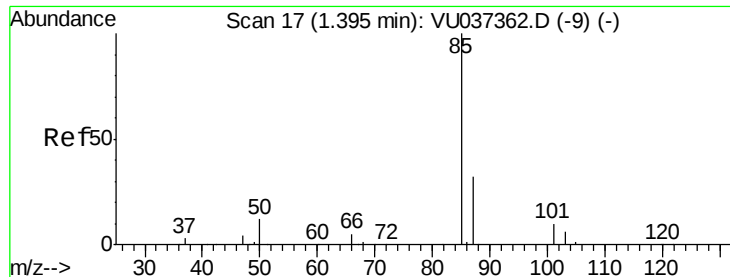
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032120\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	42099	4.871	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	15949	4.814	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	10800	5.271	ug/L	91
46) Tetrachloroethene	8.58	164	8698	5.614	ug/L	98
48) 2-Hexanone	8.72	43	26366	9.307	ug/L #	92
49) Dibromochloromethane	8.83	129	12793	5.294	ug/L	99
50) 1,2-Dibromoethane	8.94	107	10980	4.951	ug/L	97
51) Chlorobenzene	9.47	112	27955	5.129	ug/L	98
52) Ethylbenzene	9.59	91	47294	4.763	ug/L	100
53) m,p-Xylene	9.71	106	16674	4.724	ug/L	86
54) o-xylene	10.12	106	16490	4.717	ug/L	95
55) Styrene	10.13	104	25823	4.355	ug/L	99
56) Isopropylbenzene	10.50	105	44354	4.583	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	18048	4.856	ug/L	95
59) 1,2,3-Trichloropropane	10.84	75	15462	4.999	ug/L	98
61) Bromoform	10.31	173	10055	5.998	ug/L	94
62) 1,3-Dichlorobenzene	11.76	146	20706	5.458	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	20621	5.402	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	21255	5.491	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	4233	4.991	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	13358	4.876	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	8335	3.911	ug/L	98
69) Naphthalene	14.12	128	16517	4.367	ug/L #	91
70) 1,2,3-Trichlorobenzene	14.36	180	8718	3.876	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.960 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

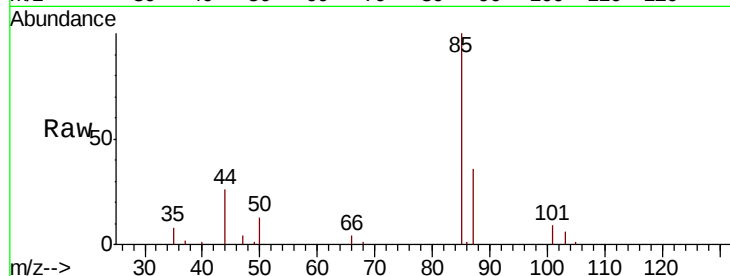
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 16908

Ion Ratio Lower Upper

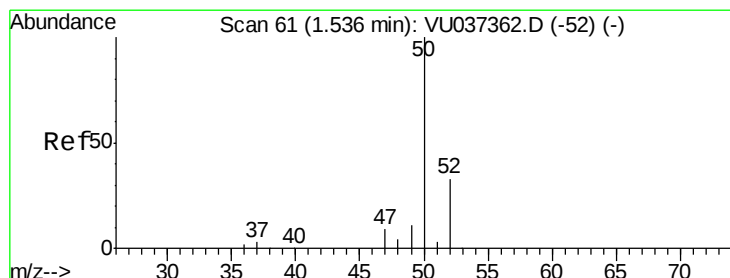
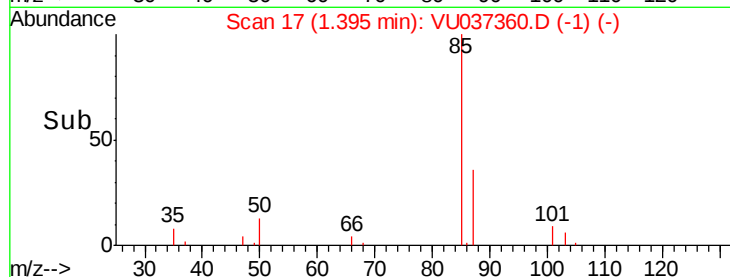
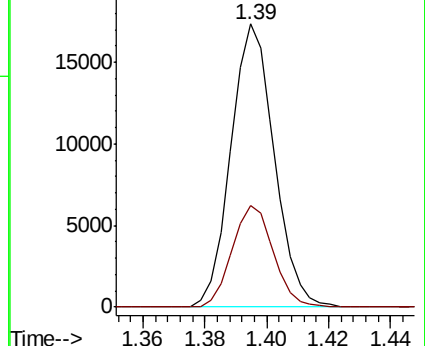
85 100

87 34.1 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU037362.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037362.D (-9) (-)



#3

Chloromethane

Concen: 6.401 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037360.D

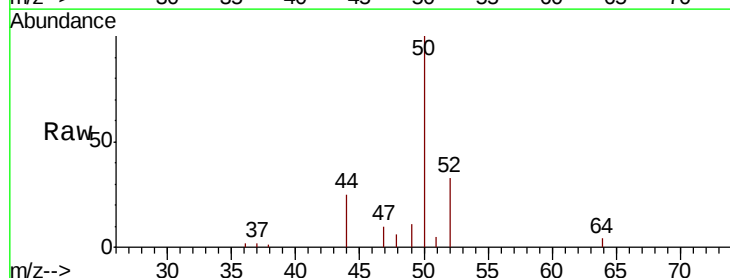
Acq: 21 Mar 2020 17:49

Tgt Ion: 50 Resp: 15269

Ion Ratio Lower Upper

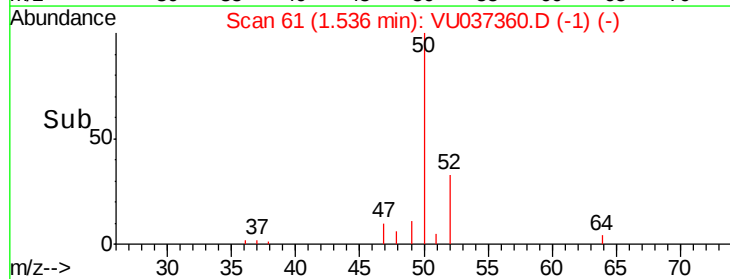
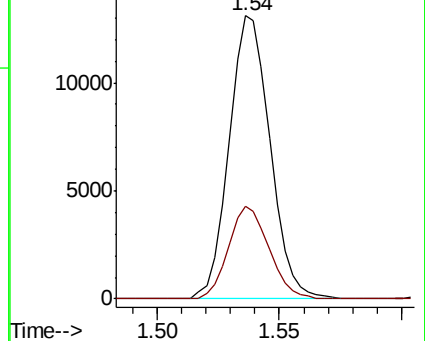
50 100

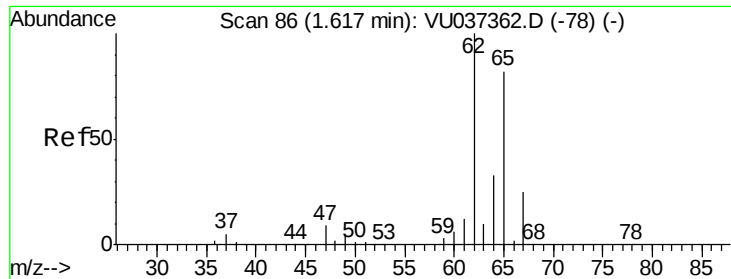
52 32.5 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VU037362.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037362.D (-52) (-)





#5

Vinyl chloride

Concen: 5.627 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

Instrument :

MSVOA_U

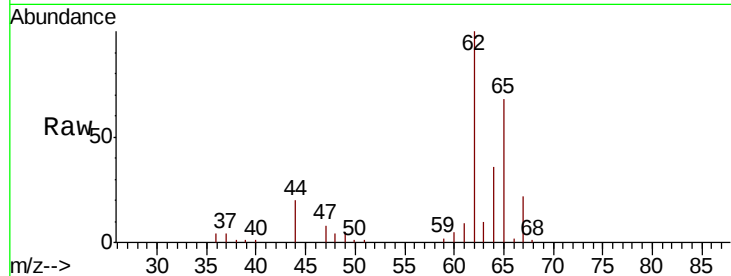
ClientSampled :

Tot Ion: 62 Resp: 14248

Ion Ratio Lower Upper

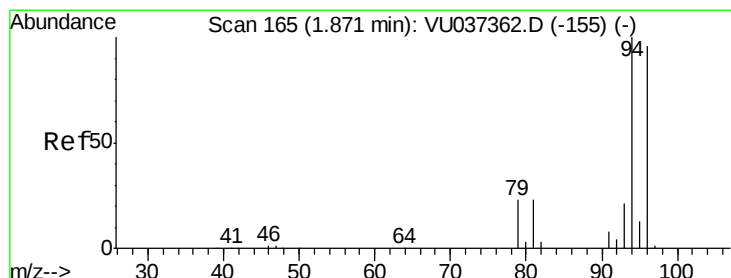
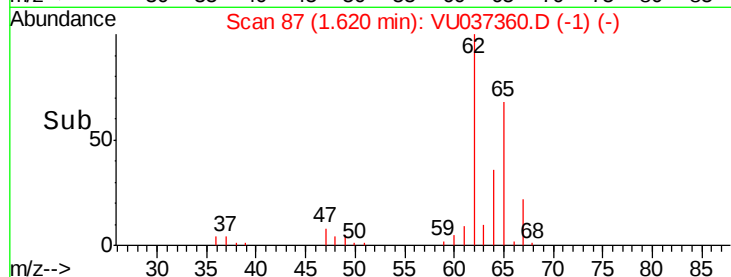
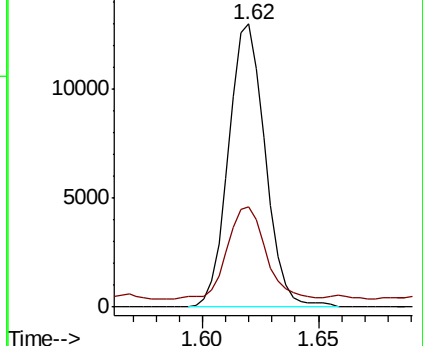
62 100

64 35.6 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU037360.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU037360.D (-1) (-)



#6

Bromomethane

Concen: 6.035 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037360.D

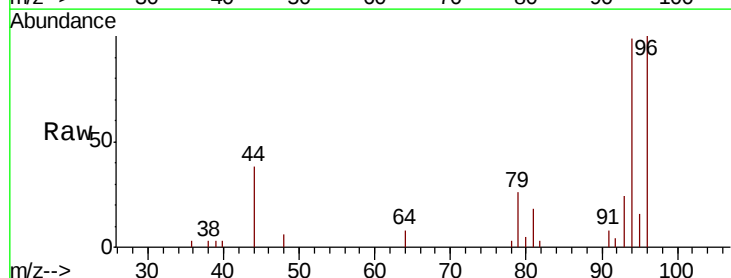
Acq: 21 Mar 2020 17:49

Tgt Ion: 94 Resp: 6104

Ion Ratio Lower Upper

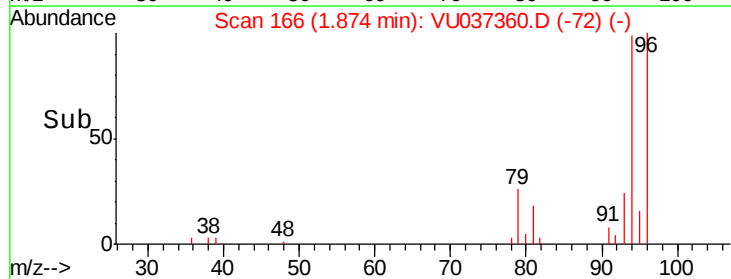
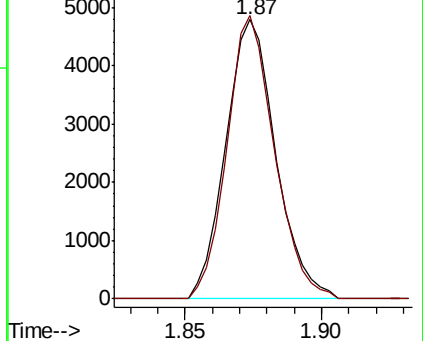
94 100

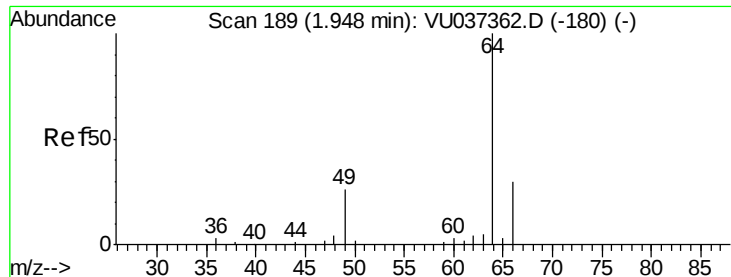
96 101.4 67.1 124.7



Abundance Ion 94.00 (93.70 to 94.70): VU037360.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU037360.D (-72) (-)

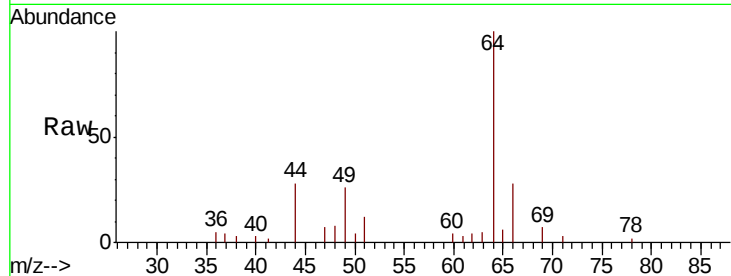




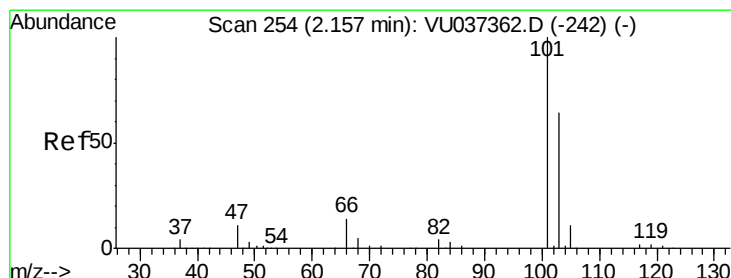
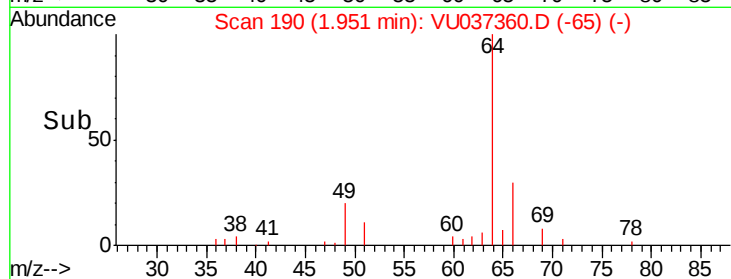
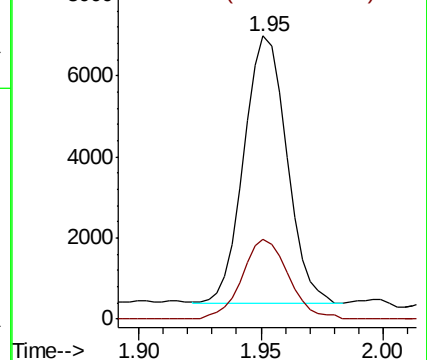
#8
Chloroethane
Concen: 5.478 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037360.D
Acq: 21 Mar 2020 17:49

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 8042
Ion Ratio Lower Upper
64 100
66 28.3 21.1 39.3

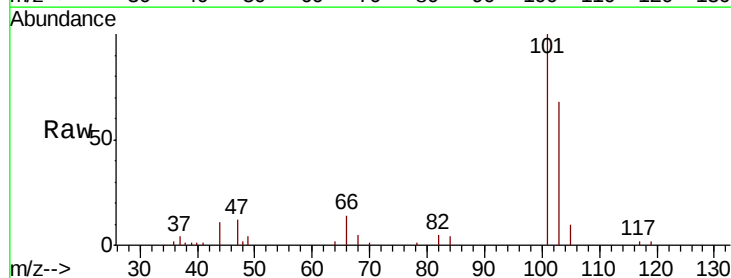


Abundance Ion 64.00 (63.70 to 64.70): VU037360.D (-180) (-)
Ion 66.00 (65.70 to 66.70): VU037360.D (-180) (-)

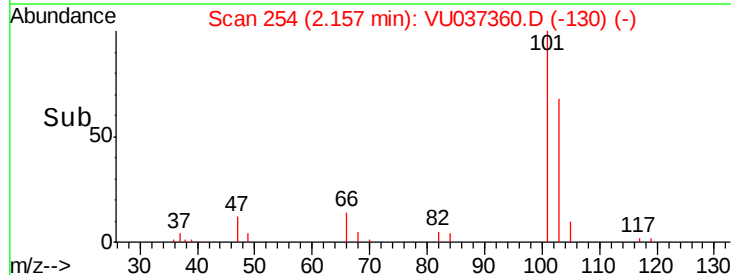
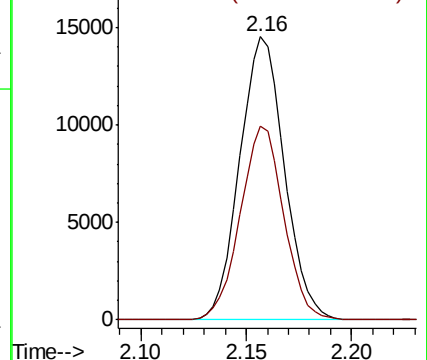


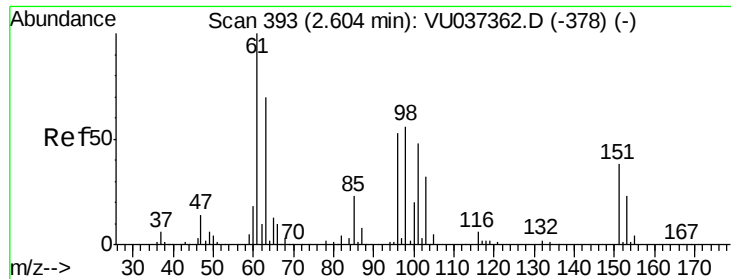
#9
Trichlorofluoromethane
Concen: 5.590 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037360.D
Acq: 21 Mar 2020 17:49

Tgt Ion:101 Resp: 21380
Ion Ratio Lower Upper
101 100
103 66.6 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU037360.D (-242) (-)
Ion 103.00 (102.70 to 103.70): VU037360.D (-242) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.939 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

Instrument :

MSVOA_U

ClientSampleId :

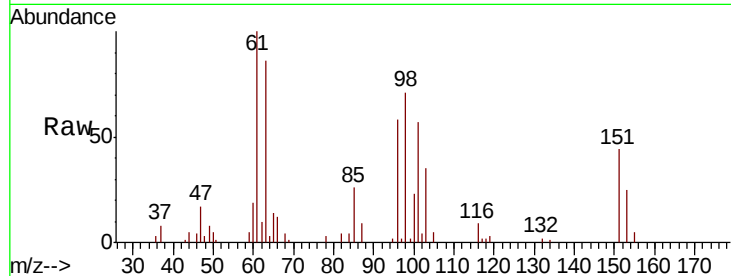
Tot Ion:101 Resp: 10554

Ion Ratio Lower Upper

101 100

85 43.7 37.6 56.4

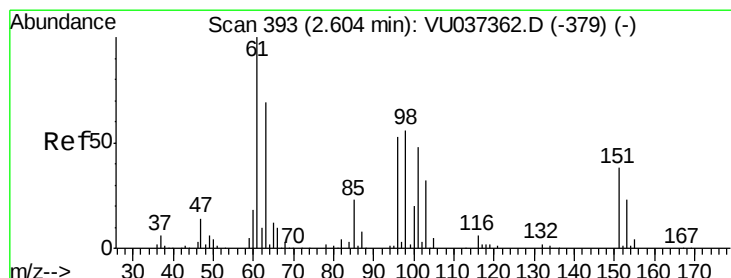
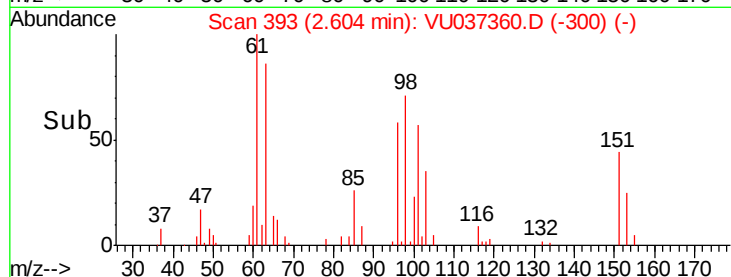
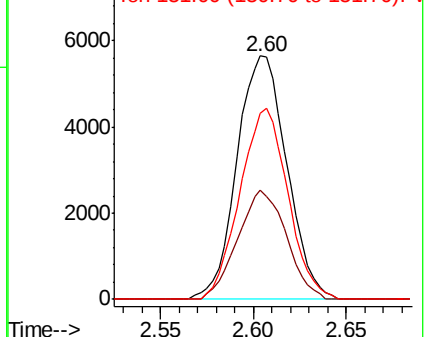
151 75.4 62.2 93.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.586 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

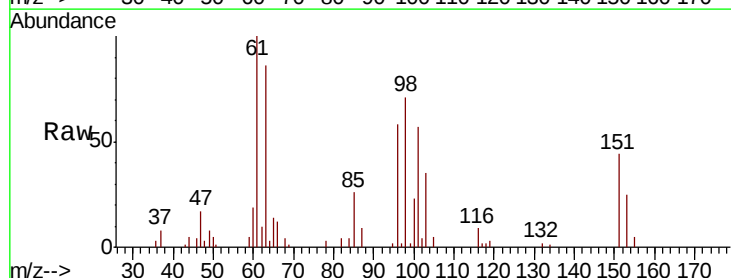
Tgt Ion: 96 Resp: 9085

Ion Ratio Lower Upper

96 100

61 173.8 133.4 247.8

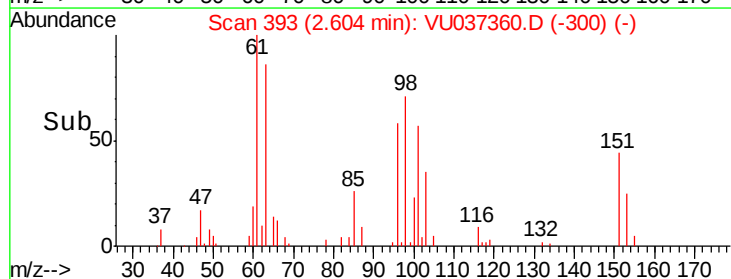
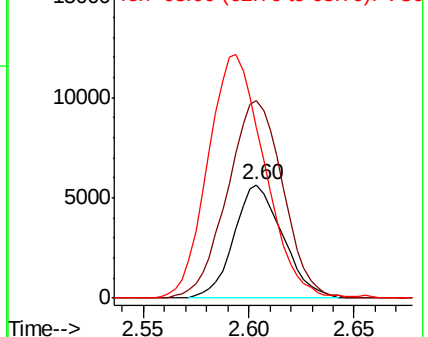
63 150.1 94.4 175.2

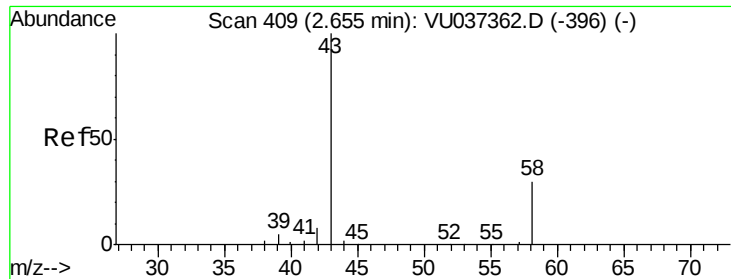


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.098 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

Instrument :

MSVOA_U

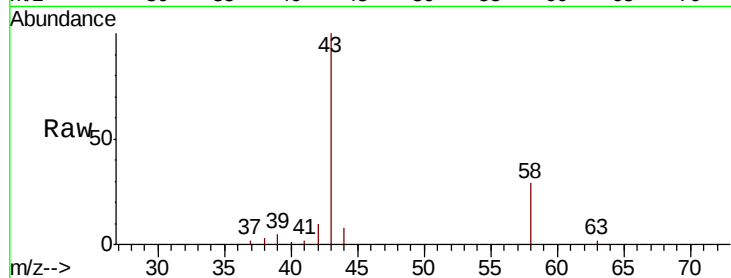
ClientSampleId :

Tot Ion: 43 Resp: 12114

Ion Ratio Lower Upper

43 100

58 28.6 0.0 58.0



Abundance Ion 43.00 (42.70 to 43.70): VU037360.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VU037360.D (-316) (-)

2.66

8000

6000

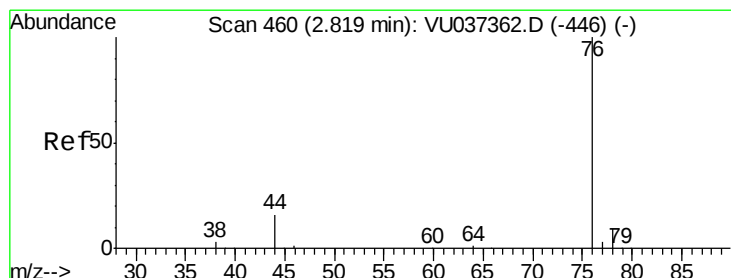
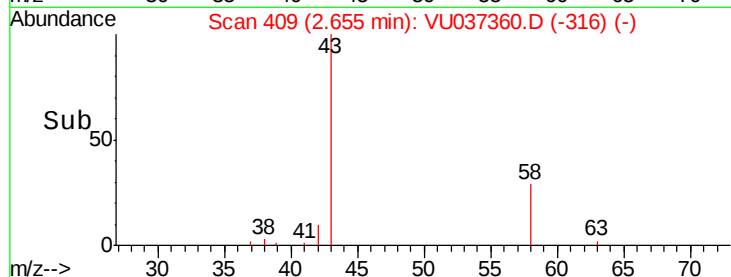
4000

2000

0

Time-->

2.60 2.65 2.70



#14

Carbon disulfide

Concen: 6.228 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037360.D

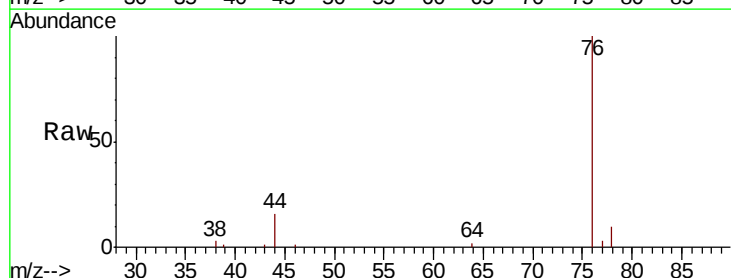
Acq: 21 Mar 2020 17:49

Tgt Ion: 76 Resp: 29575

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU037360.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037360.D (-367) (-)

2.82

20000

15000

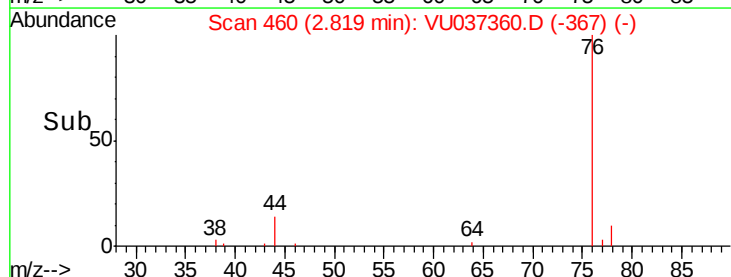
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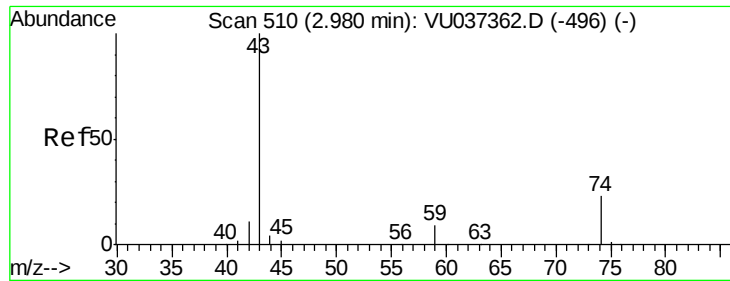
5000

0

Time-->

2.75 2.80 2.85

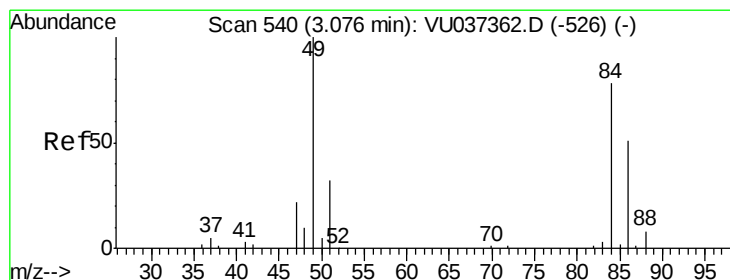
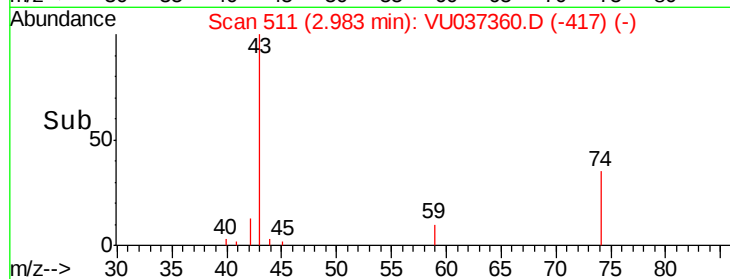
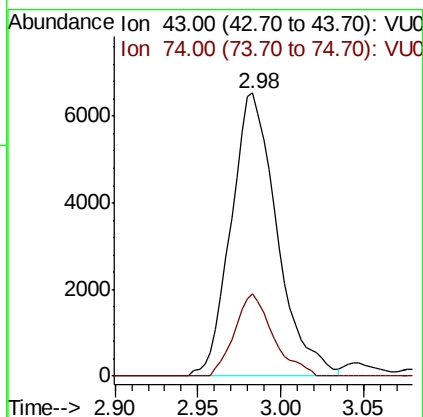
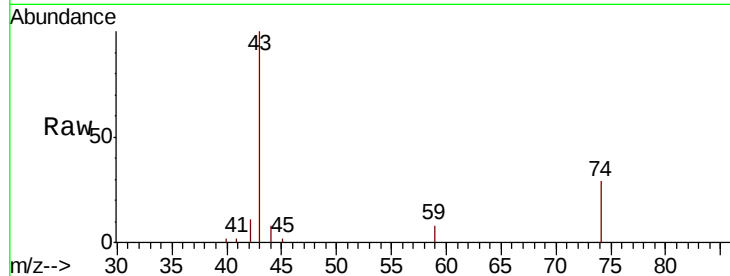




#15
Methvl Acetate
Concen: 5.114 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: VU037360.D
Acq: 21 Mar 2020 17:49

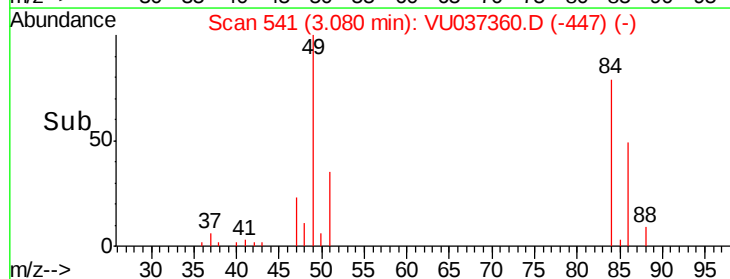
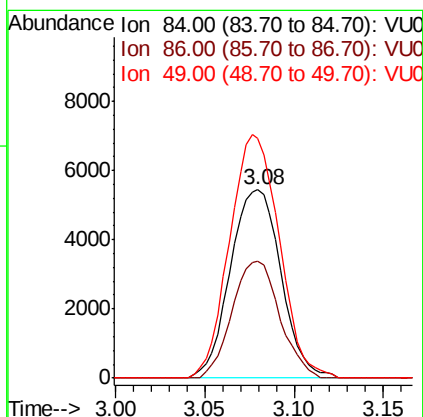
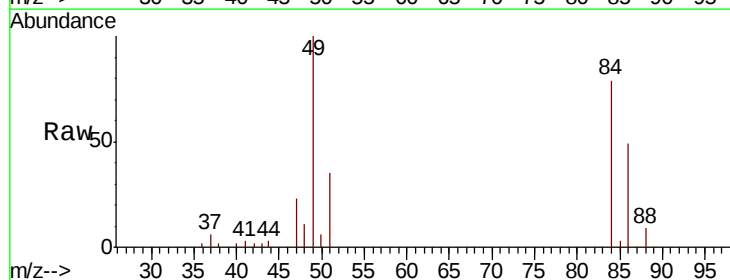
Instrument :
MSVOA_U
ClientSampleId :

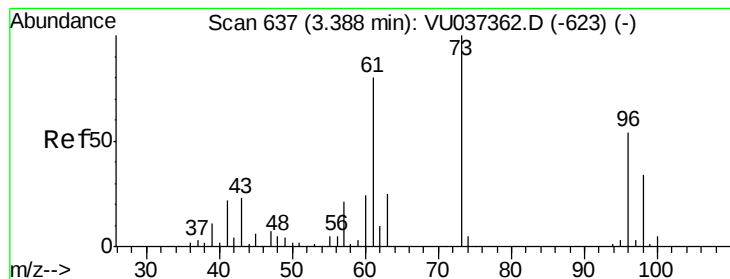
Tot Ion: 43 Resp: 12597
Ion Ratio Lower Upper
43 100
74 24.3 18.2 27.2



#16
Methylene chloride
Concen: 5.399 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU037360.D
Acq: 21 Mar 2020 17:49

Tgt Ion: 84 Resp: 10815
Ion Ratio Lower Upper
84 100
86 62.3 45.7 84.9
49 127.1 90.0 167.2





#17

trans-1,2-Dichloroethene

Concen: 5.553 ug/L

RT: 3.39 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

Instrument :
MSVOA_U
ClientSampleId :

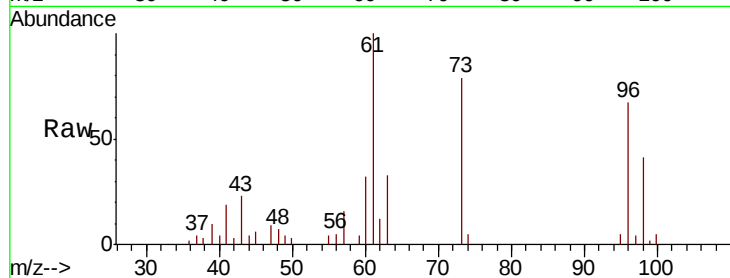
Tot Ion: 96 Resp: 9442

Ion Ratio Lower Upper

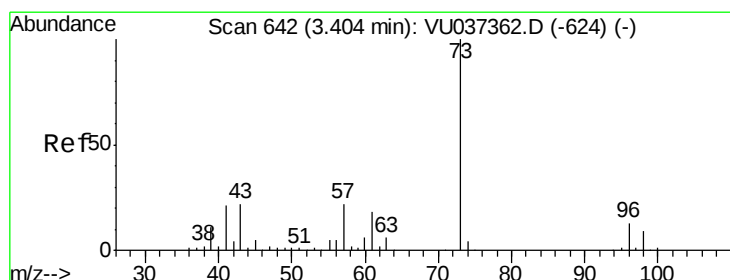
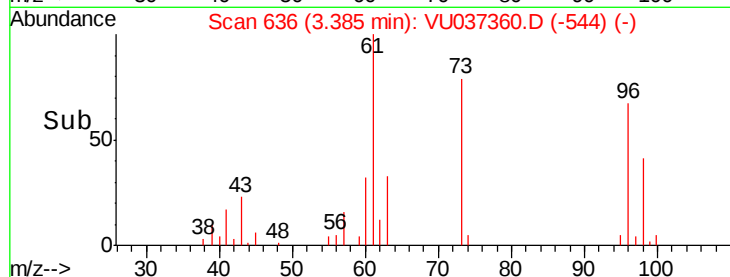
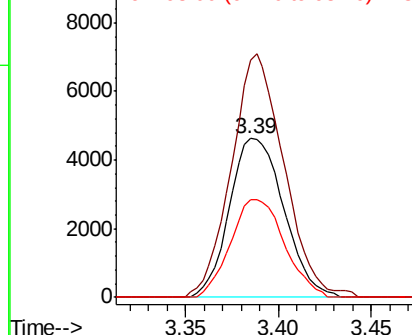
96 100

61 149.3 103.3 191.9

98 61.6 44.5 82.7



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 4.911 ug/L

RT: 3.41 min Scan# 643

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

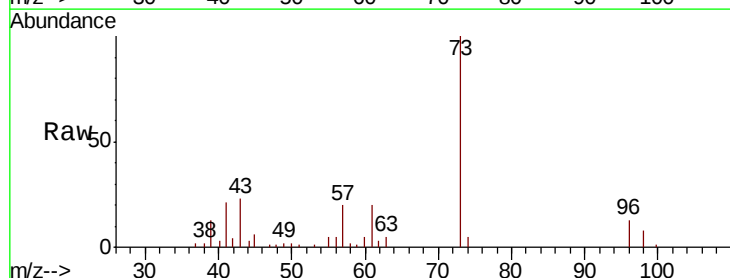
Tgt Ion: 73 Resp: 31639

Ion Ratio Lower Upper

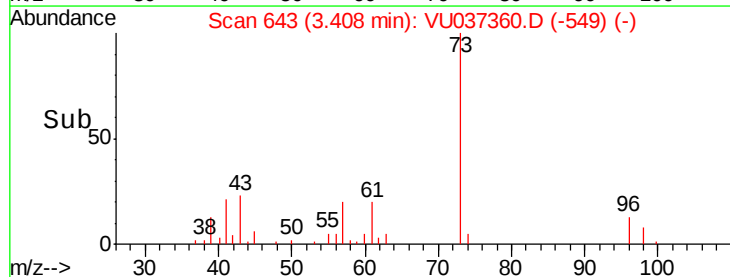
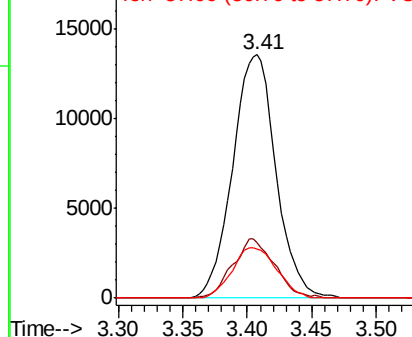
73 100

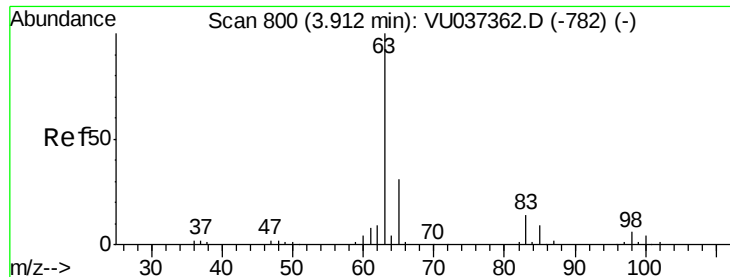
43 23.4 18.2 27.2

57 21.3 17.4 26.0



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

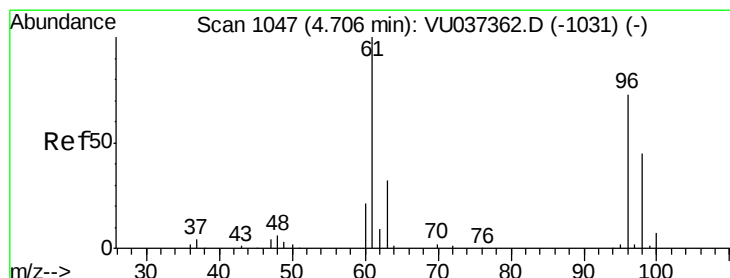
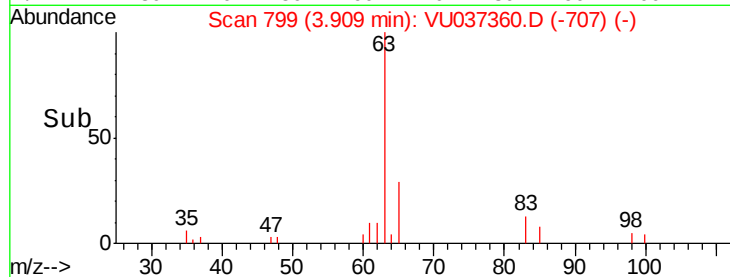
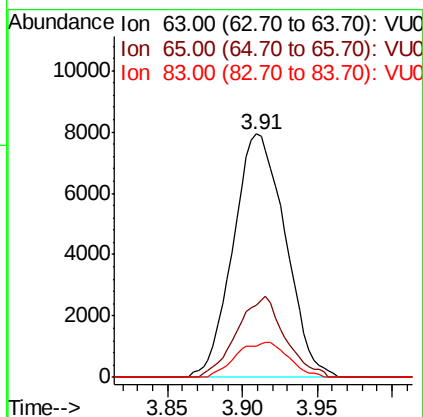
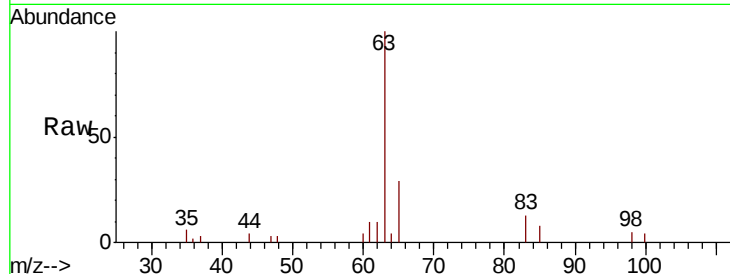




#19
 1,1-Dichloroethane
 Concen: 5.178 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037360.D
 Acq: 21 Mar 2020 17:49

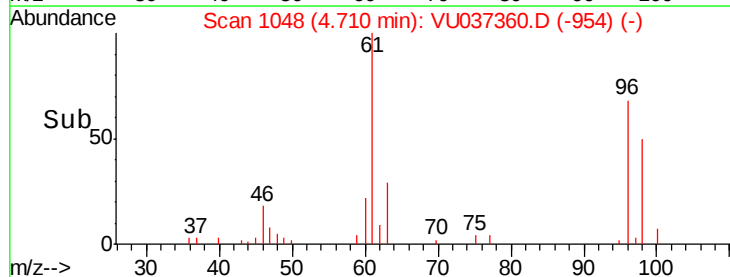
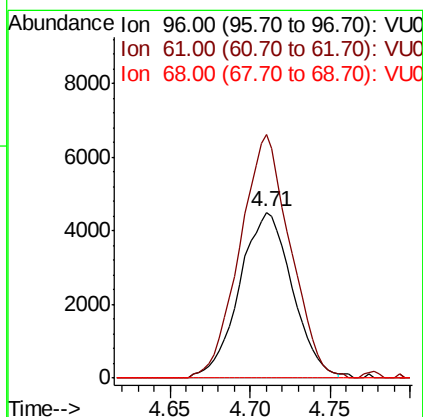
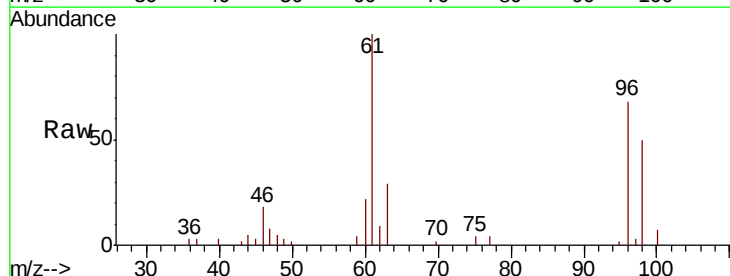
Instrument :
 MSVOA_U
 ClientSampleId :

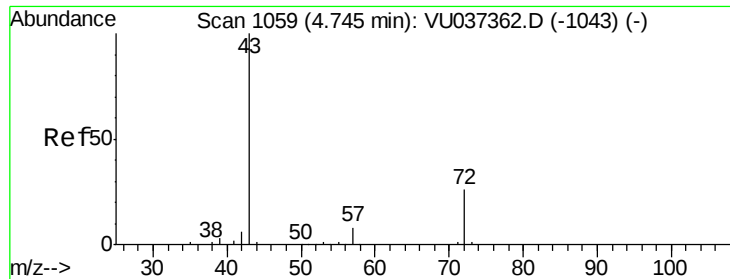
Tot Ion: 63 Resp: 19256
 Ion Ratio Lower Upper
 63 100
 65 29.5 21.6 40.0
 83 12.7 9.8 18.2



#20
 cis-1,2-Dichloroethene
 Concen: 5.021 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU037360.D
 Acq: 21 Mar 2020 17:49

Tgt Ion: 96 Resp: 10192
 Ion Ratio Lower Upper
 96 100
 61 146.5 96.2 178.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 8.697 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

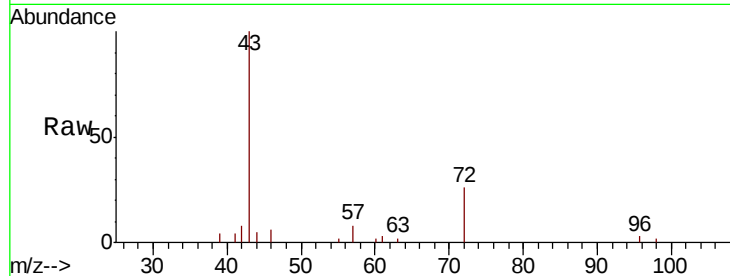
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 16900

Ion Ratio Lower Upper

43 100

72 28.5 13.2 39.5



Abundance Ion 43.00 (42.70 to 43.70): VU037360.D (-1043) (-)

Ion 72.00 (71.70 to 72.70): VU037360.D (-1043) (-)

4.75

6000

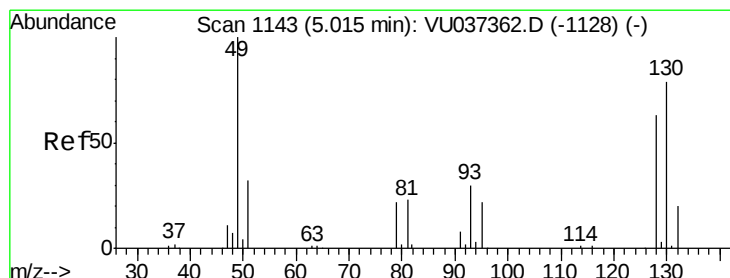
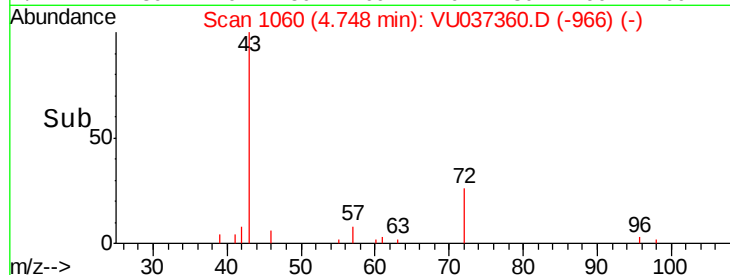
4000

2000

0

Time-->

4.70 4.75 4.80



#23

Bromochloromethane

Concen: 5.591 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

Tgt Ion: 128 Resp: 5829

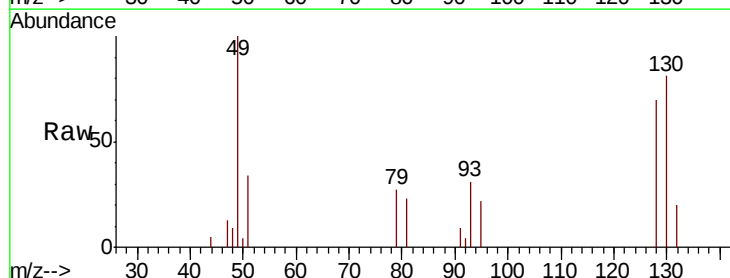
Ion Ratio Lower Upper

128 100

49 143.3 112.1 208.1

130 116.2 88.0 163.4

51 48.4 40.3 60.5



Abundance Ion 128.00 (127.70 to 128.70): VU037360.D (-1050) (-)

Ion 49.00 (48.70 to 49.70): VU037360.D (-1050) (-)

Ion 130.00 (129.70 to 130.70): VU037360.D (-1050) (-)

Ion 51.00 (50.70 to 51.70): VU037360.D (-1050) (-)

5.02

6000

5000

4000

3000

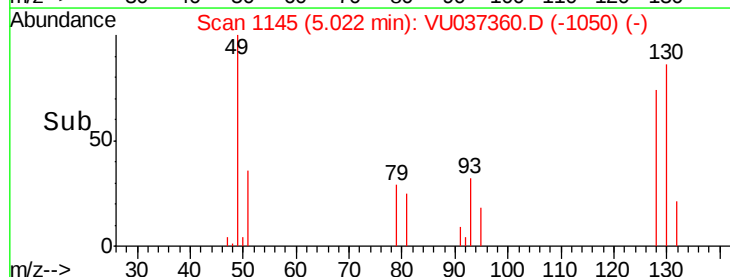
2000

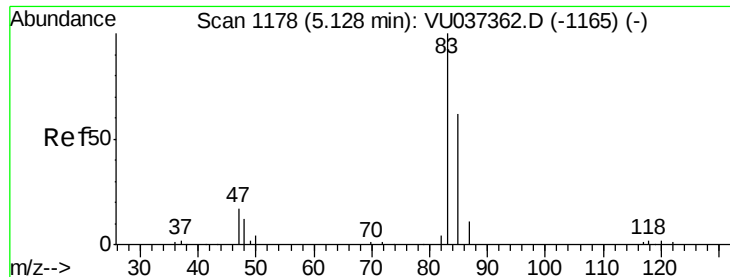
1000

0

Time-->

4.95 5.00 5.05

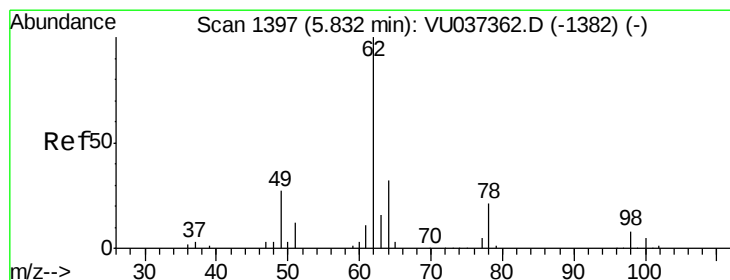
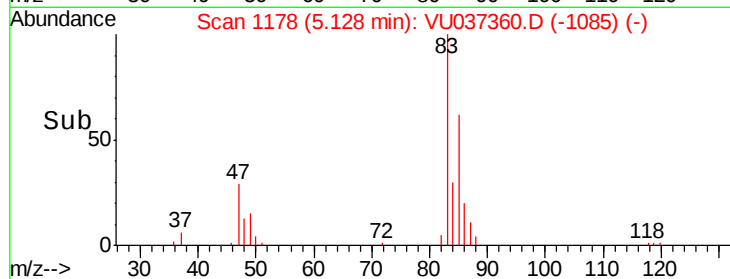
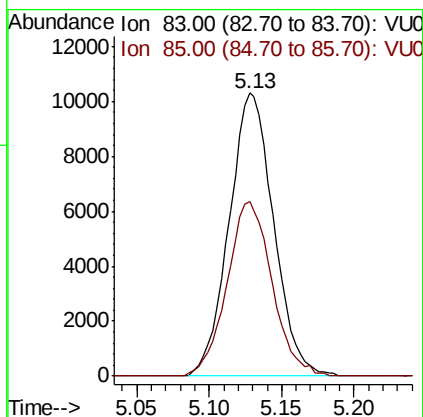
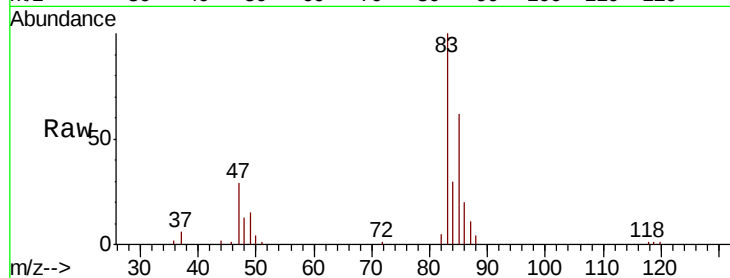




#25
Chloroform
Concen: 5.448 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037360.D
Acq: 21 Mar 2020 17:49

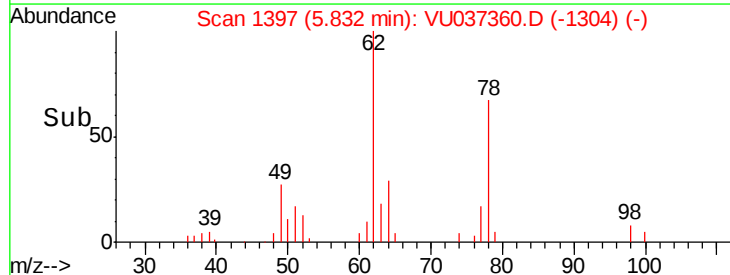
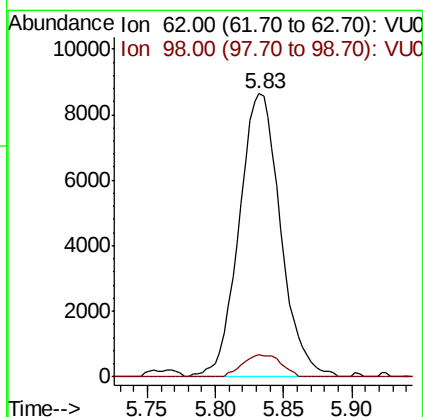
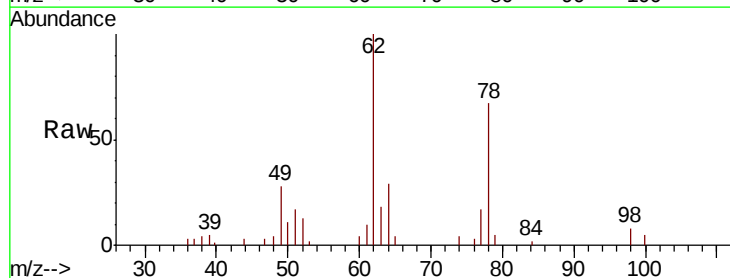
Instrument :
MSVOA_U
ClientSampled :

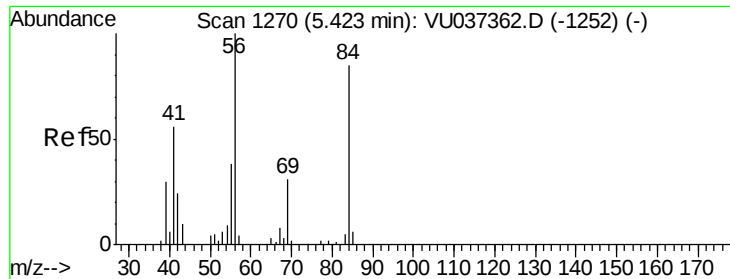
Tot Ion: 83 Resp: 22019
Ion Ratio Lower Upper
83 100
85 61.6 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.123 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037360.D
Acq: 21 Mar 2020 17:49

Tgt Ion: 62 Resp: 18241
Ion Ratio Lower Upper
62 100
98 8.0 6.6 10.0

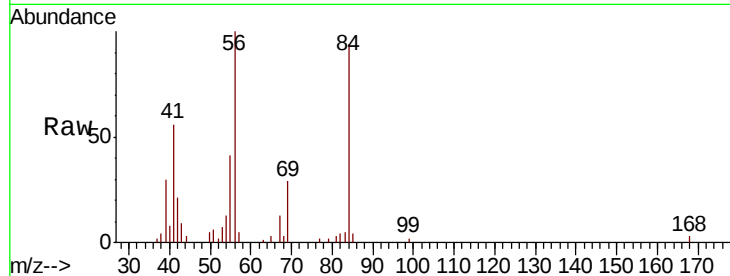




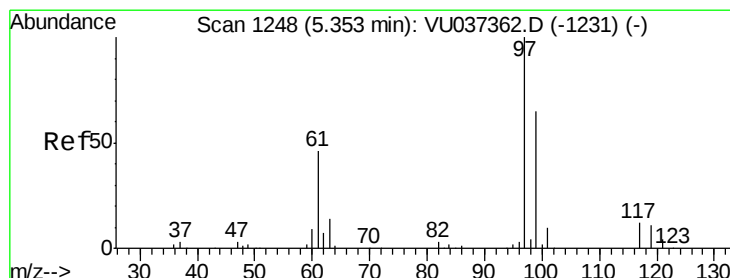
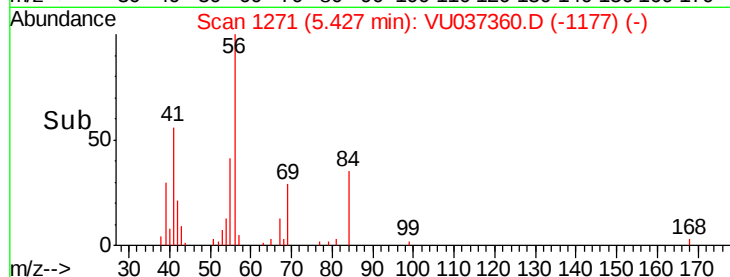
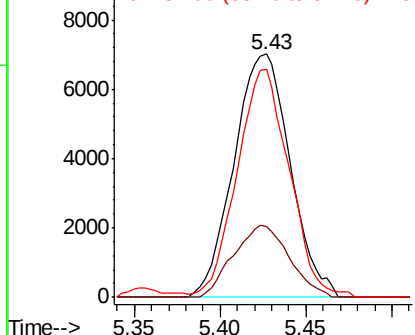
#29
Cyclohexane
Concen: 5.041 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU037360.D
Acq: 21 Mar 2020 17:49

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 15913
Ion Ratio Lower Upper
56 100
69 29.2 24.8 37.2
84 84.1 68.2 102.4

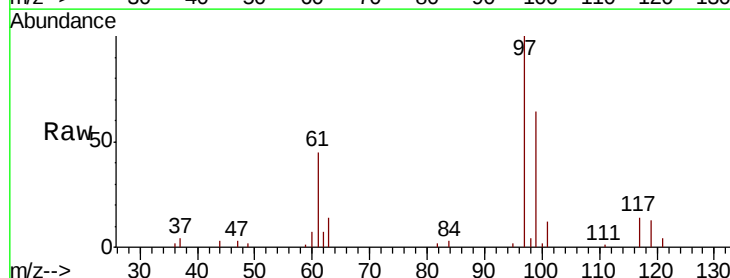


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

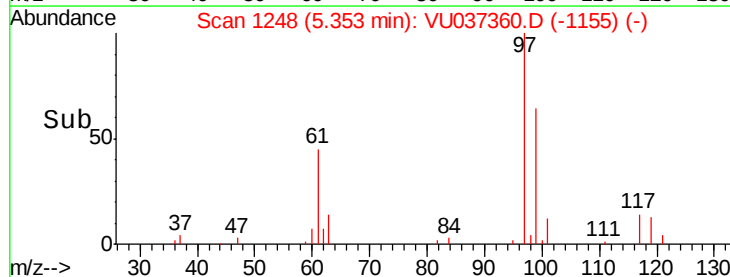
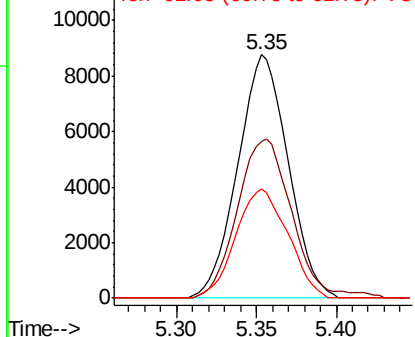


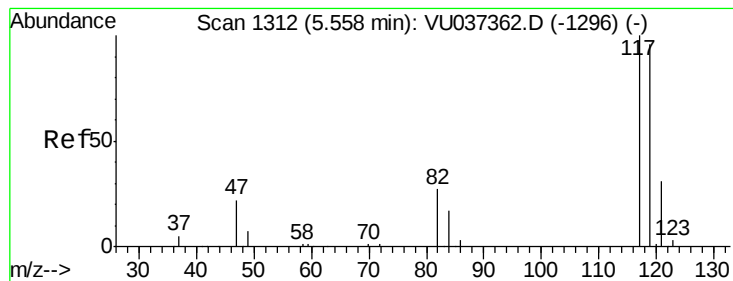
#30
1,1,1-Trichloroethane
Concen: 5.292 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037360.D
Acq: 21 Mar 2020 17:49

Tgt Ion: 97 Resp: 18920
Ion Ratio Lower Upper
97 100
99 69.0 51.7 77.5
61 46.5 36.6 54.8



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 5.438 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

Instrument :

MSVOA_U

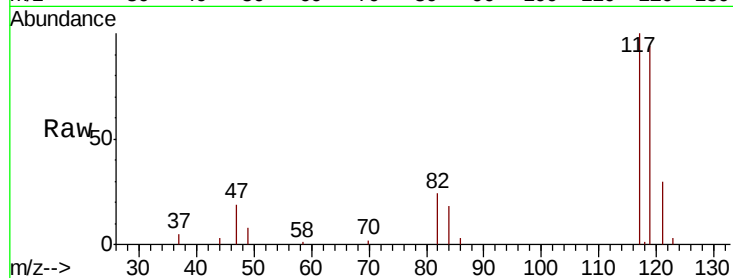
ClientSampleId :

Tot Ion:117 Resp: 17153

Ion Ratio Lower Upper

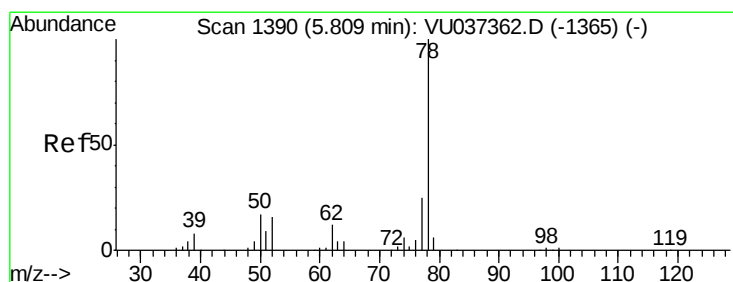
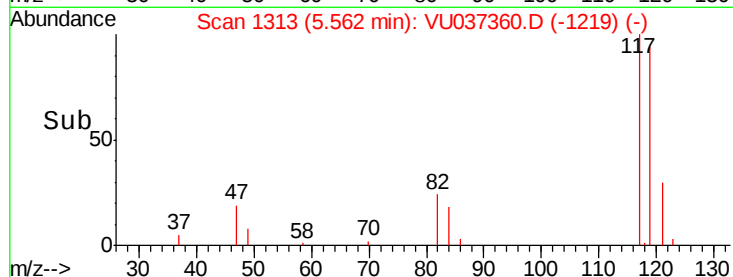
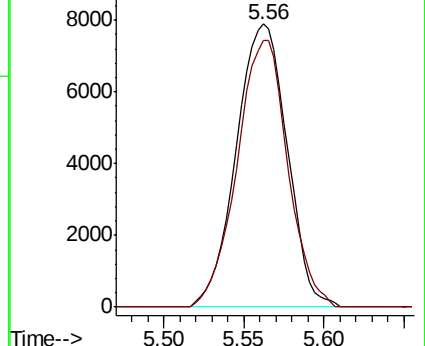
117 100

119 93.8 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.173 ug/L

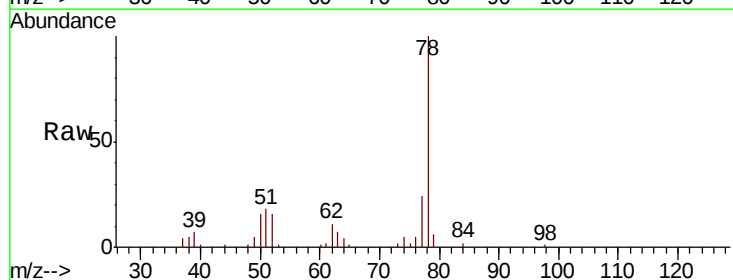
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037360.D

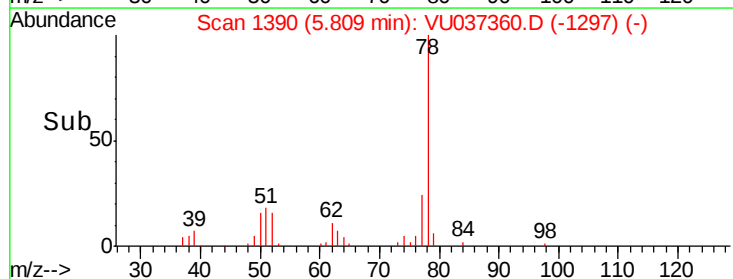
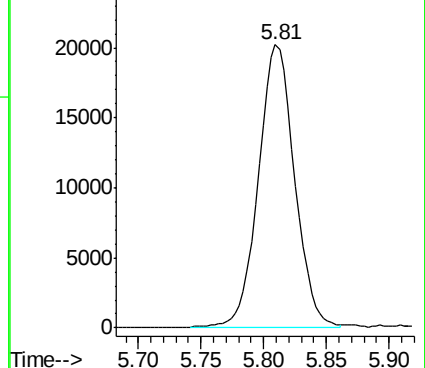
Acq: 21 Mar 2020 17:49

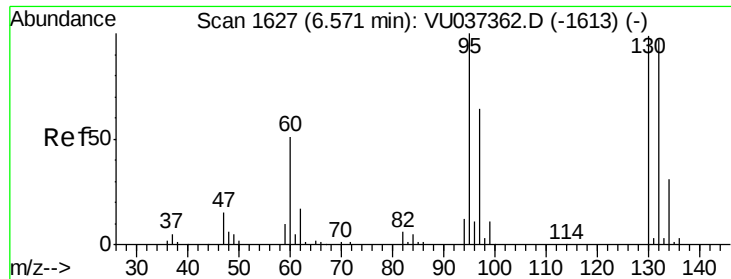
Tgt Ion: 78 Resp: 40786



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

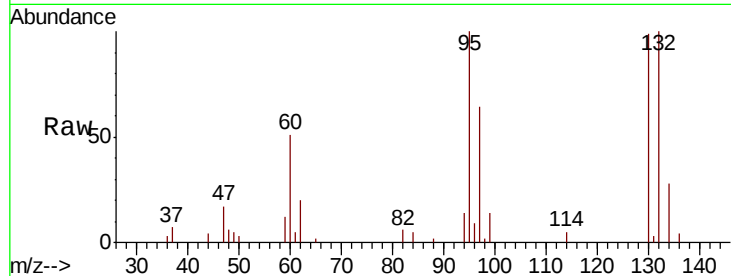




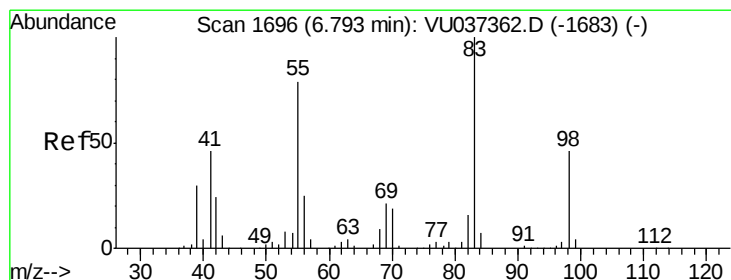
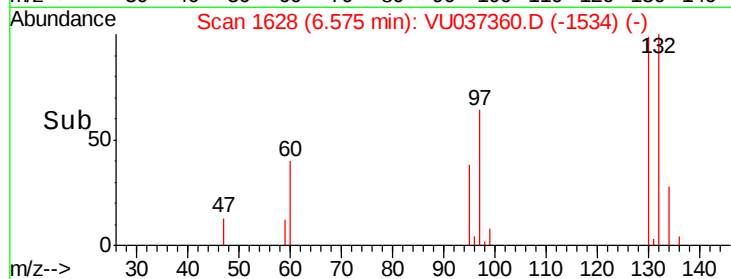
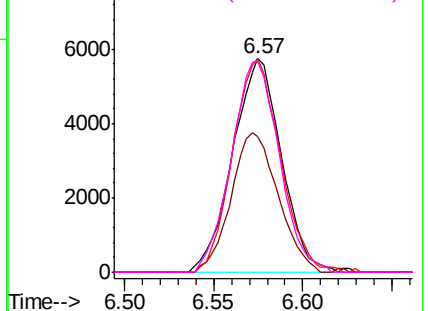
#34
 Trichloroethene
 Concen: 5.303 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037360.D
 Acq: 21 Mar 2020 17:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 10944
 Ion Ratio Lower Upper
 95 100
 97 63.8 44.9 83.5
 132 99.9 68.0 126.2
 130 98.7 69.6 129.2

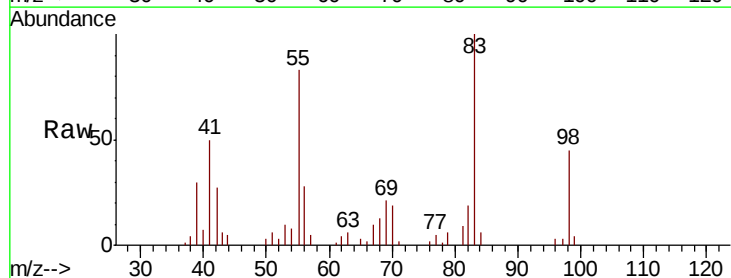


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

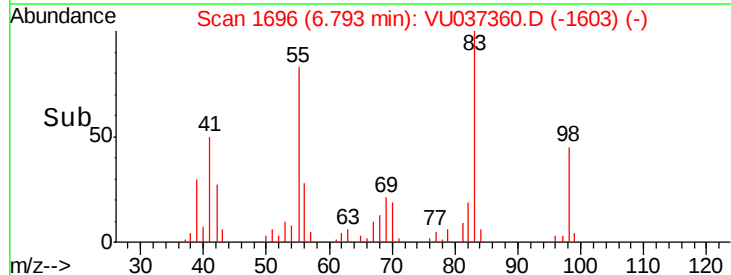
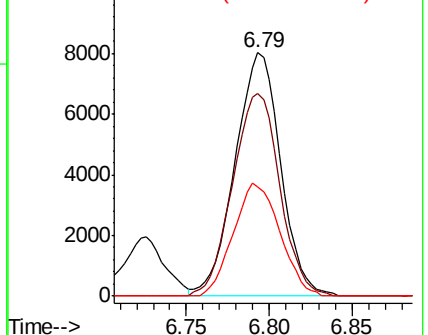


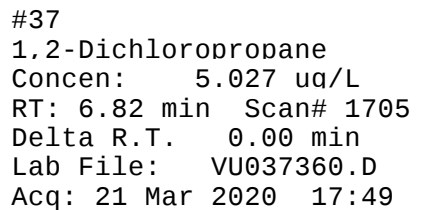
#35
 Methylcyclohexane
 Concen: 4.925 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037360.D
 Acq: 21 Mar 2020 17:49

Tgt Ion: 83 Resp: 15371
 Ion Ratio Lower Upper
 83 100
 55 85.7 64.3 96.5
 98 47.2 36.5 54.7



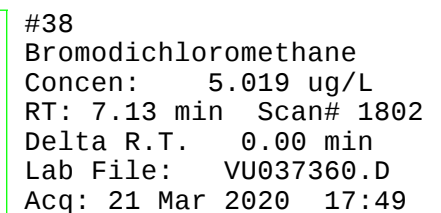
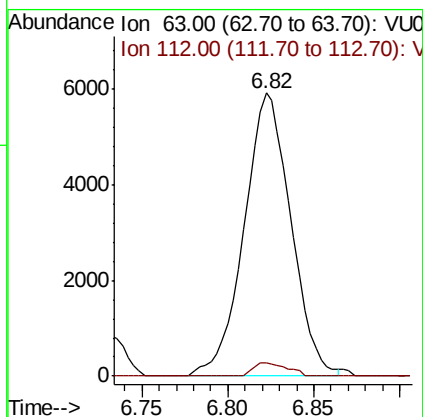
Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0



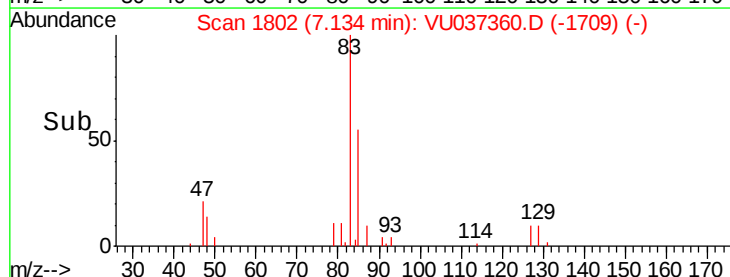
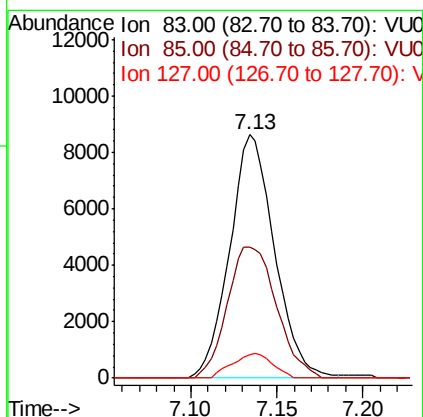


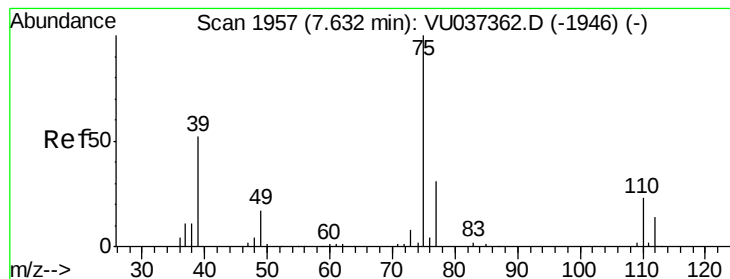
Instrument :
MSVOA_U
ClientSampleId :

Tot	Ion: 63	Resp:	11181
Ion	Ratio	Lower	Upper
63	100		
112	3.3	3.0	4.4



Tgt	Ion: 83	Resp:	15629
Ion	Ratio	Lower	Upper
83	100		
85	54.0	45.0	83.6
127	9.7	7.0	10.4



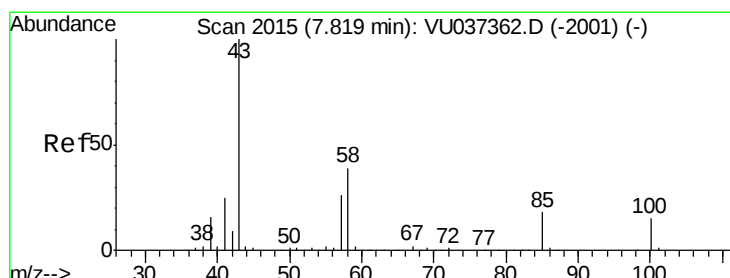
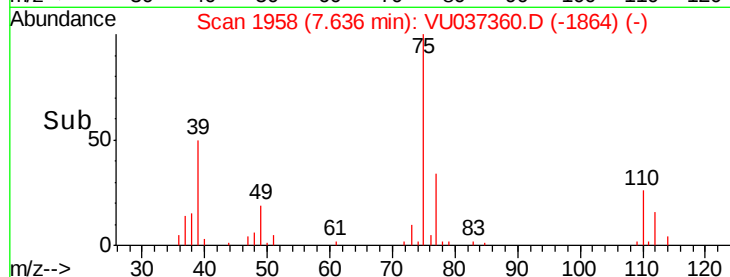
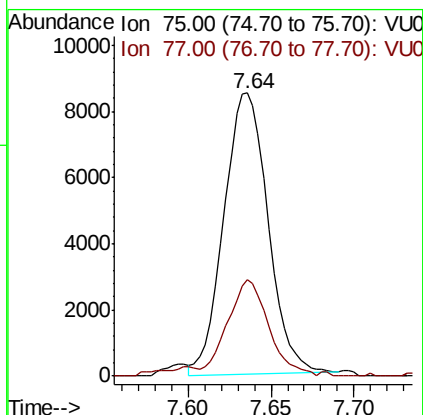
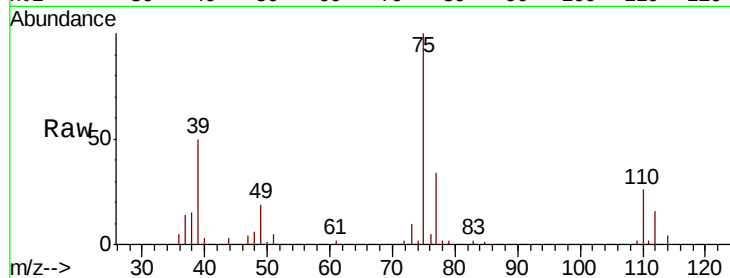


#39

cis-1,3-Dichloropropene
 Concen: 4.558 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037360.D
 Acq: 21 Mar 2020 17:49

Instrument :
 MSVOA_U
 ClientSampleId :

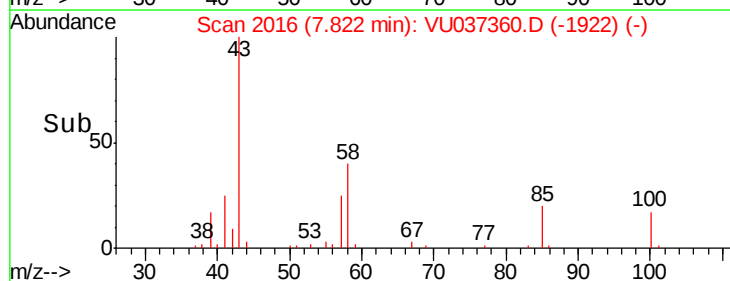
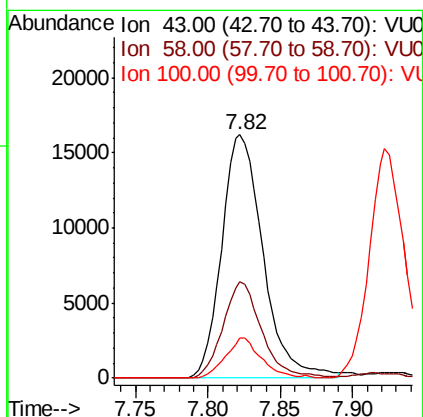
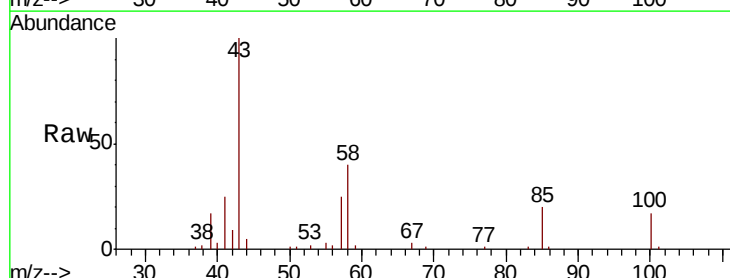
Tot Ion: 75 Resp: 15673
 Ion Ratio Lower Upper
 75 100
 77 34.1 22.3 41.3

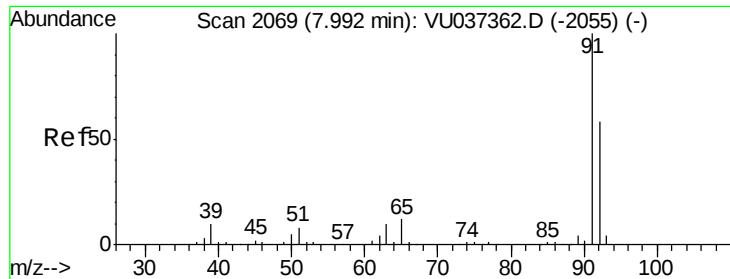


#40

4-Methyl-2-pentanone
 Concen: 8.909 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU037360.D
 Acq: 21 Mar 2020 17:49

Tgt Ion: 43 Resp: 32122
 Ion Ratio Lower Upper
 43 100
 58 36.8 30.7 46.1
 100 14.0 11.8 17.6





#42

Toluene

Concen: 4.871 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

Instrument :

MSVOA_U

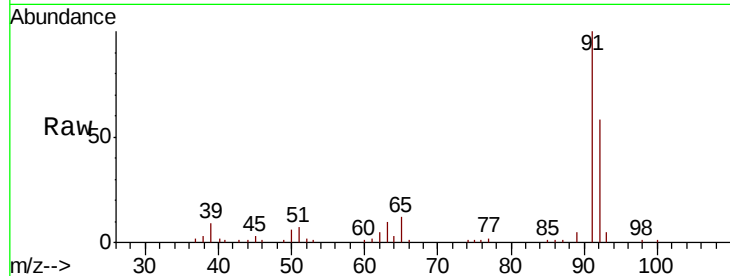
ClientSampled :

Tot Ion: 91 Resp: 42099

Ion Ratio Lower Upper

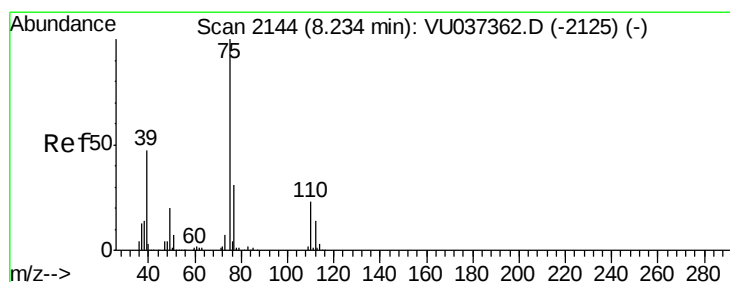
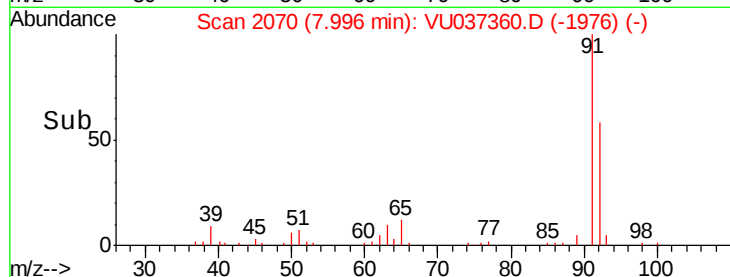
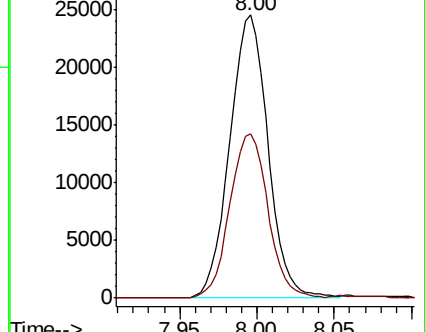
91 100

92 57.9 40.5 75.3



Abundance Ion 91.00 (90.70 to 91.70): VU037362.D (-2055) (-)

Ion 92.00 (91.70 to 92.70): VU037360.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.814 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037360.D

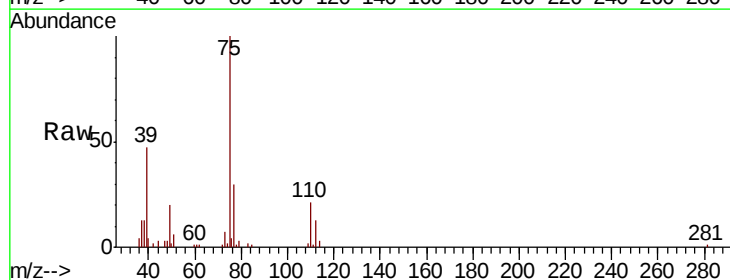
Acq: 21 Mar 2020 17:49

Tgt Ion: 75 Resp: 15949

Ion Ratio Lower Upper

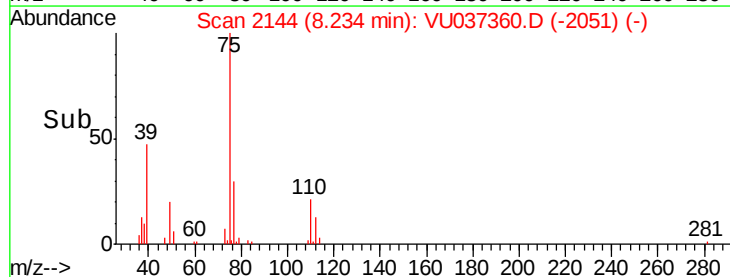
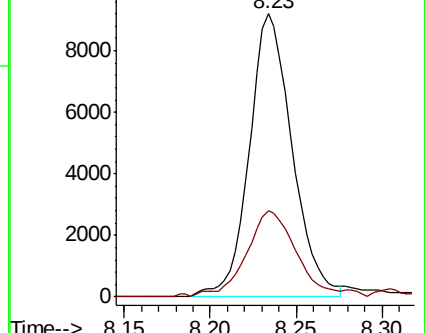
75 100

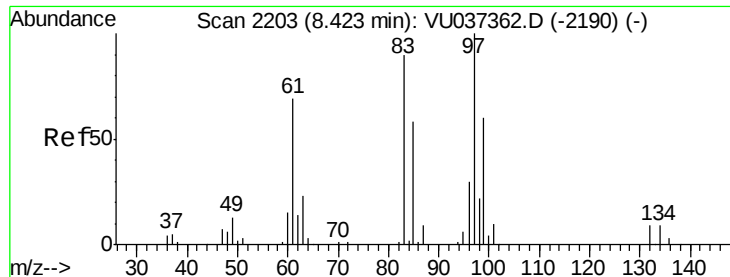
77 30.3 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU037362.D (-2125) (-)

Ion 77.00 (76.70 to 77.70): VU037360.D (-2051) (-)

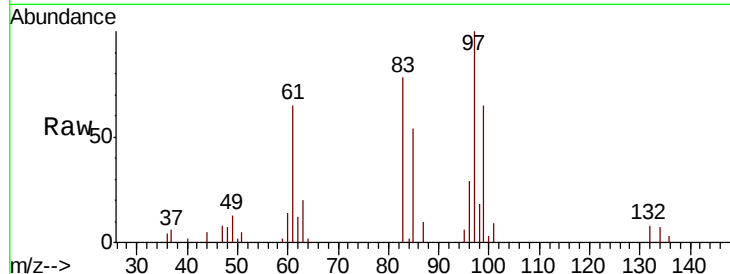




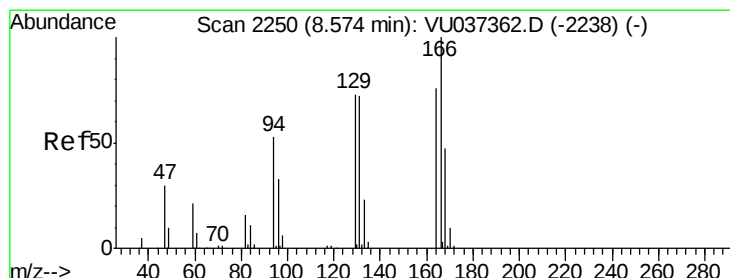
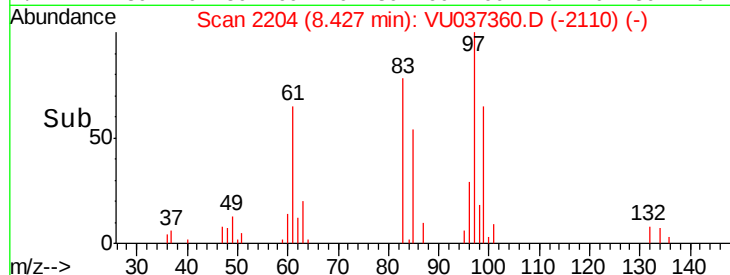
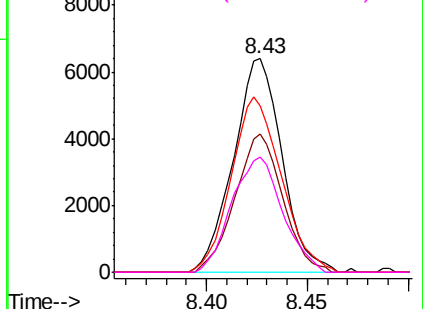
#45
 1,1,2-Trichloroethane
 Concen: 5.271 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037360.D
 Acq: 21 Mar 2020 17:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	10800
Ion	Ratio	Lower	Upper
97	100		
99	65.0	42.1	78.1
83	78.0	62.7	116.5
85	53.9	40.7	75.5

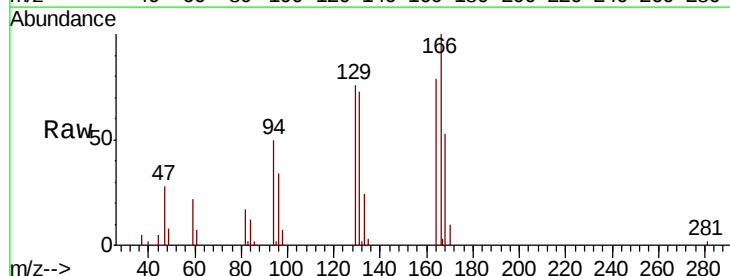


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

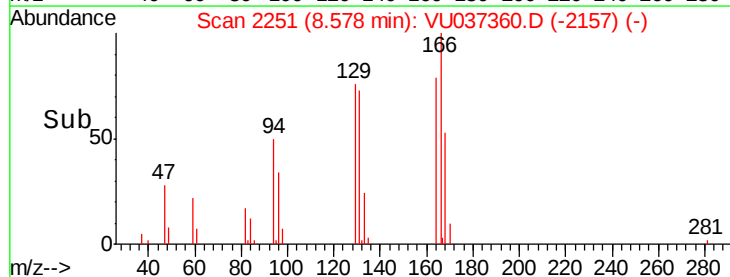
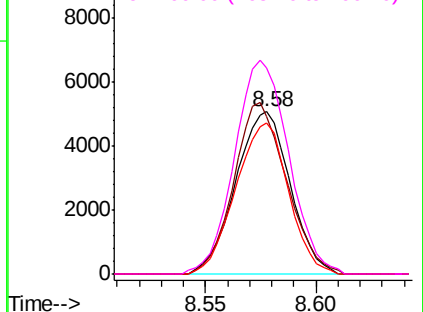


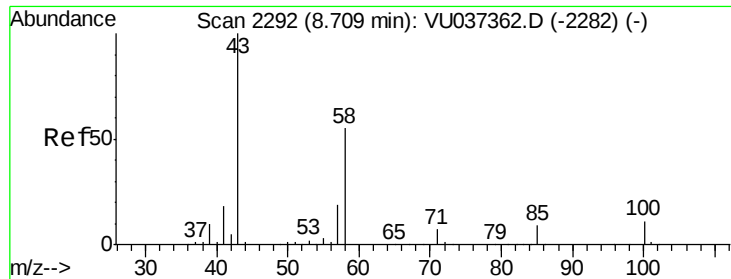
#46
 Tetrachloroethene
 Concen: 5.614 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU037360.D
 Acq: 21 Mar 2020 17:49

Tgt Ion:	164	Resp:	8698
Ion	Ratio	Lower	Upper
164	100		
129	96.8	67.1	124.5
131	93.3	65.8	122.2
166	127.2	91.6	170.2



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

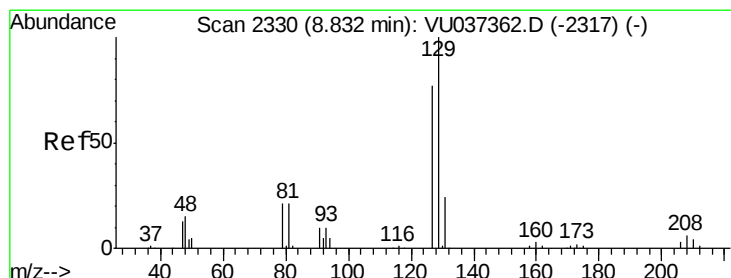
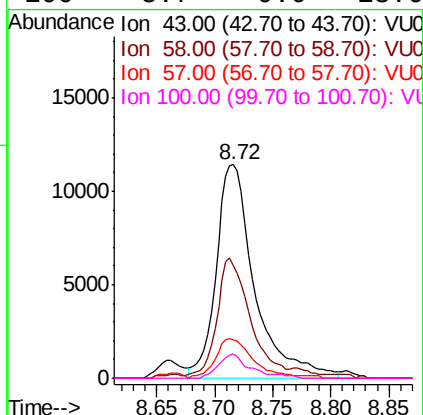
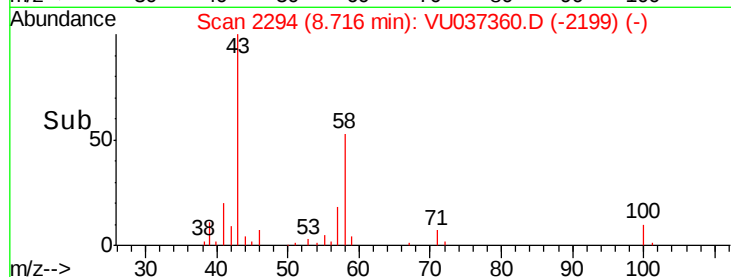
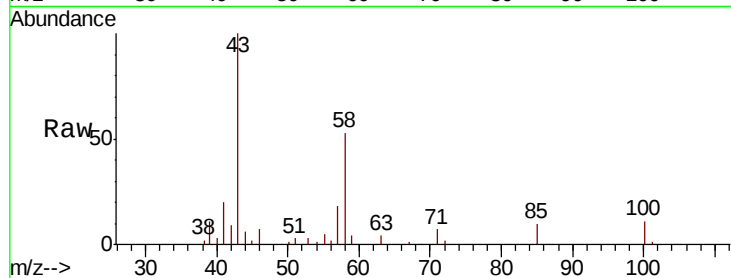




#48
2-Hexanone
Concen: 9.307 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VU037360.D
Acq: 21 Mar 2020 17:49

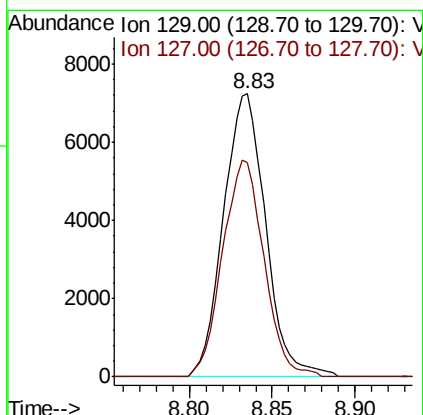
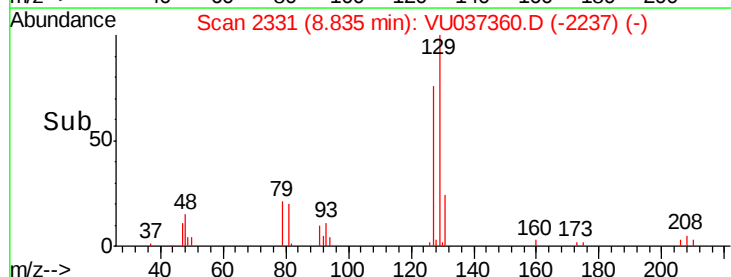
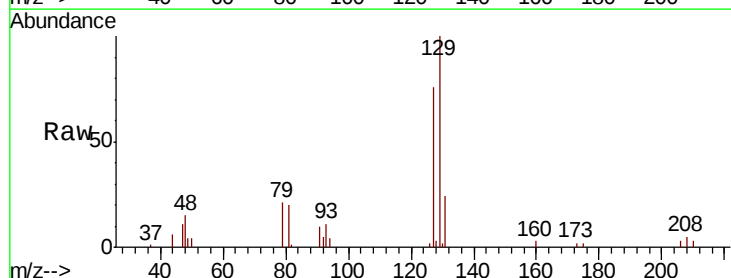
Instrument :
MSVOA_U
ClientSampleId :

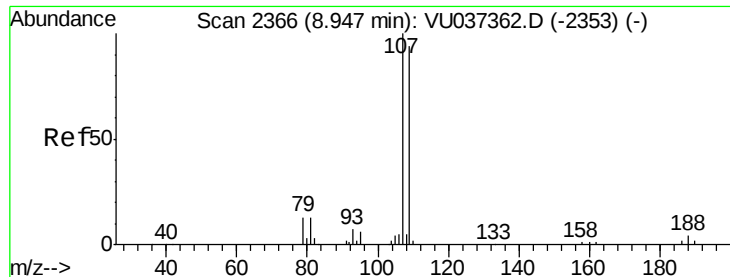
Tot Ion: 43 Resp: 26366
Ion Ratio Lower Upper
43 100
58 47.3 43.8 65.6
57 18.0 14.9 22.3
100 8.7 9.0 13.6#



#49
Dibromochloromethane
Concen: 5.294 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037360.D
Acq: 21 Mar 2020 17:49

Tgt Ion: 129 Resp: 12793
Ion Ratio Lower Upper
129 100
127 75.8 54.0 100.2

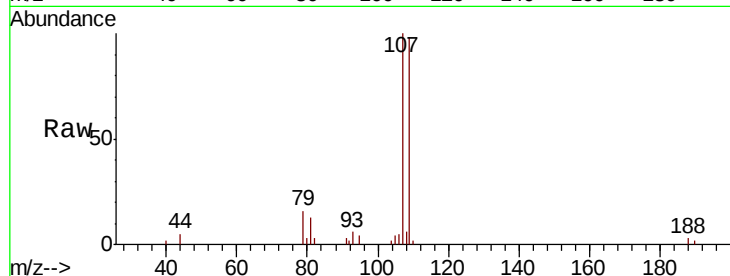




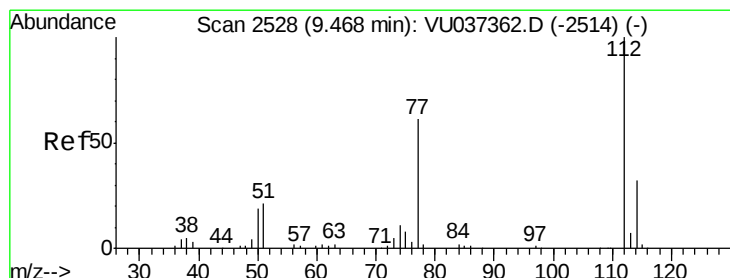
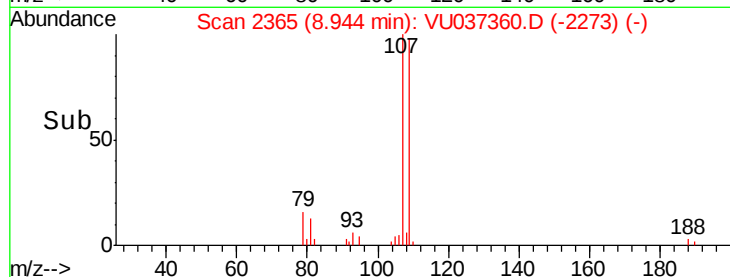
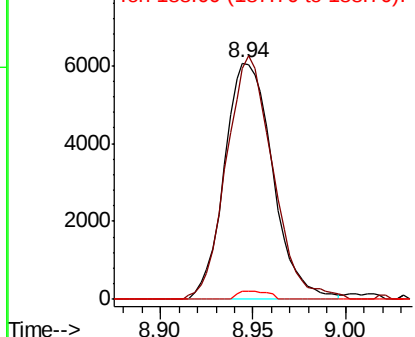
#50
1,2-Dibromoethane
Concen: 4.951 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU037360.D
Acq: 21 Mar 2020 17:49

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.6	66.1	122.8
188	3.2	3.2	4.8

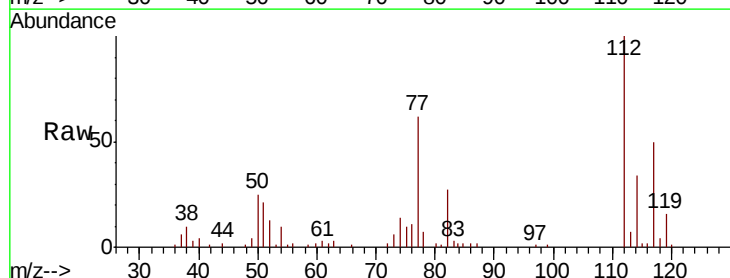


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

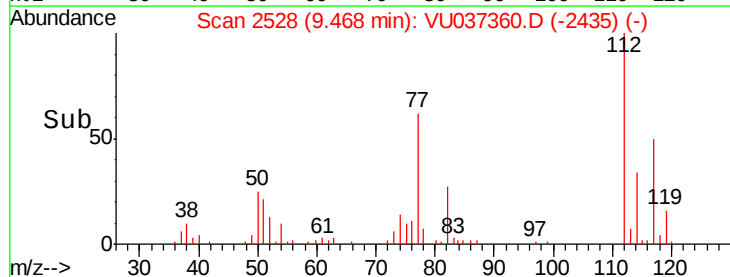
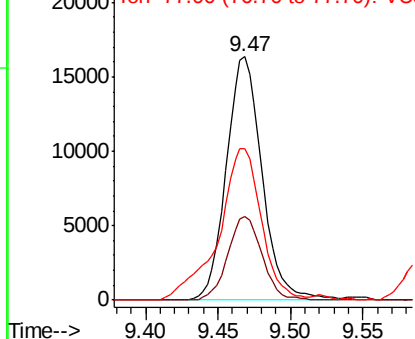


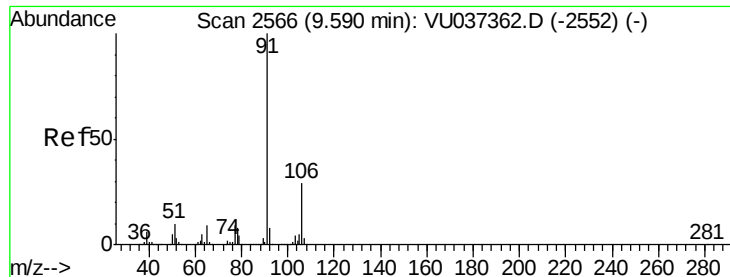
#51
Chlorobenzene
Concen: 5.129 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037360.D
Acq: 21 Mar 2020 17:49

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.5	22.1	41.1
77	62.3	49.6	74.4



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 4.763 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

Instrument :

MSVOA_U

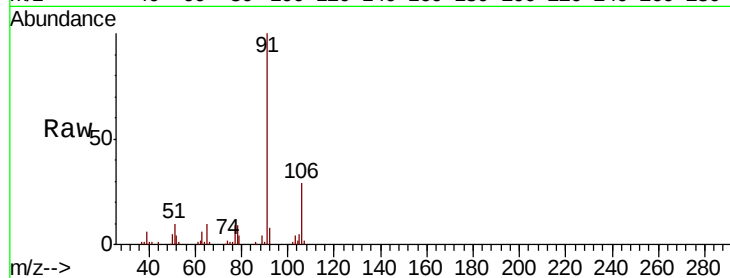
ClientSampleId :

Tot Ion: 91 Resp: 47294

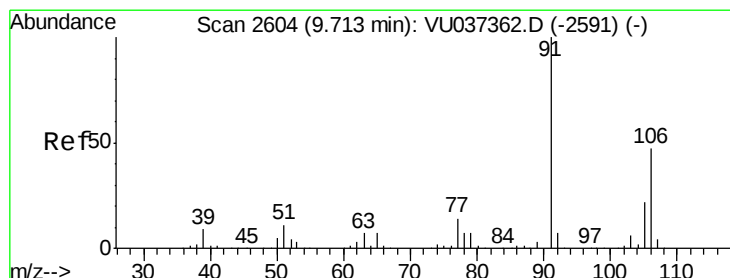
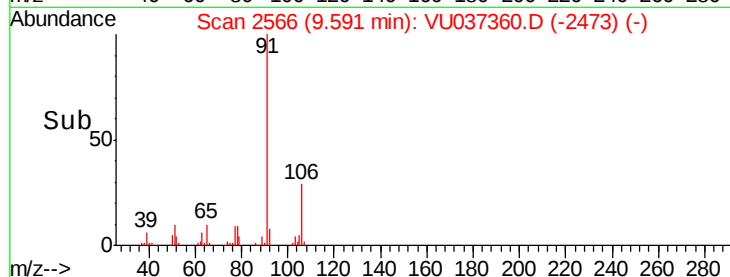
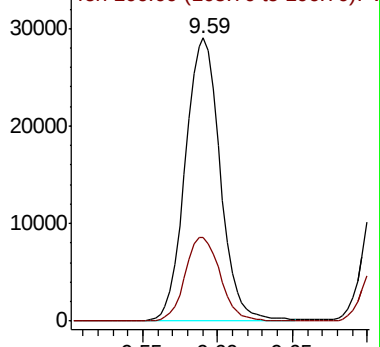
Ion Ratio Lower Upper

91 100

106 29.5 20.5 38.1



Abundance Ion 91.00 (90.70 to 91.70): VU037362.D (-2552) (-)



#53

m,p-Xylene

Concen: 4.724 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037360.D

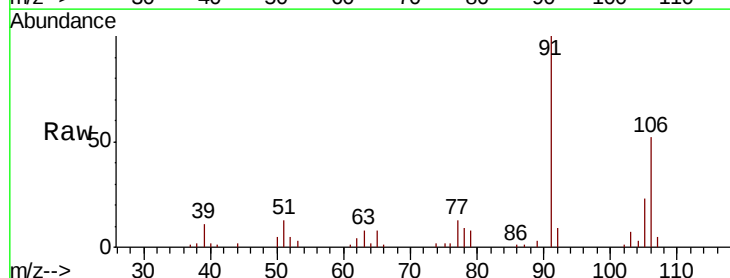
Acq: 21 Mar 2020 17:49

Tgt Ion: 106 Resp: 16674

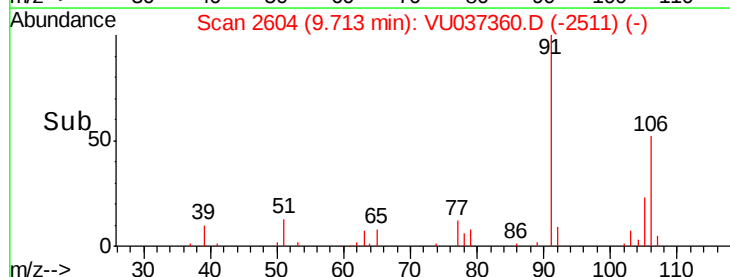
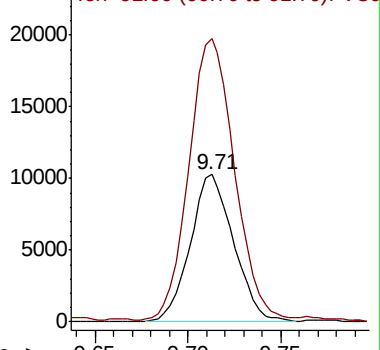
Ion Ratio Lower Upper

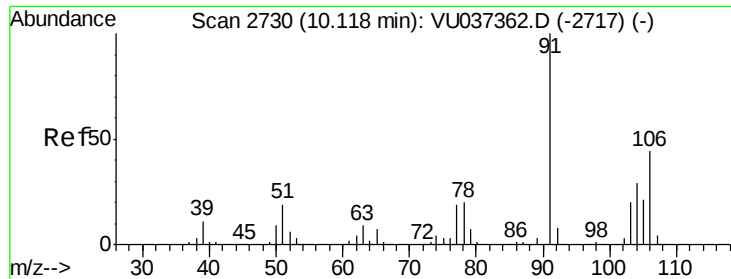
106 100

91 191.8 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): VU037362.D (-2591) (-)





#54

o-xylene

Concen: 4.717 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

Instrument :

MSVOA_U

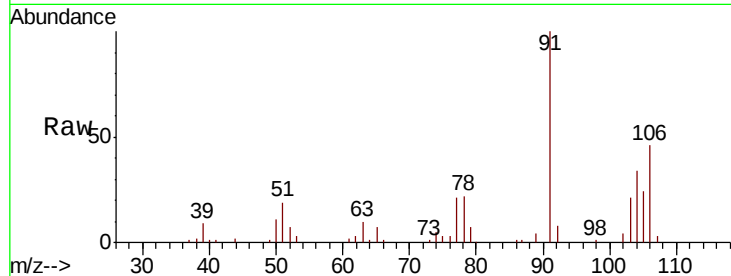
ClientSampled :

Tot Ion:106 Resp: 16490

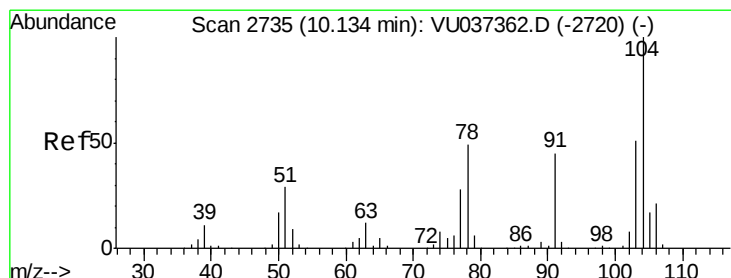
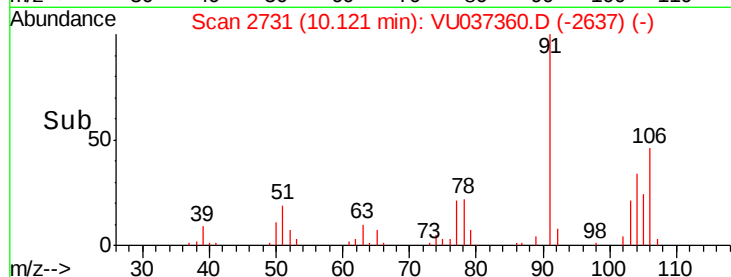
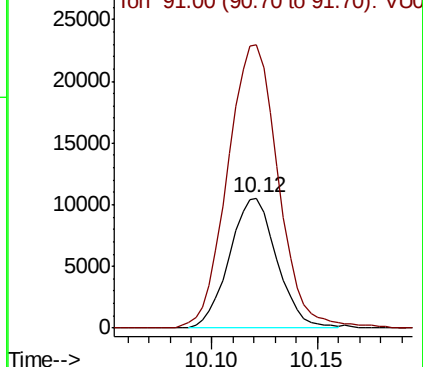
Ion Ratio Lower Upper

106 100

91 217.6 157.6 292.8



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 4.355 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU037360.D

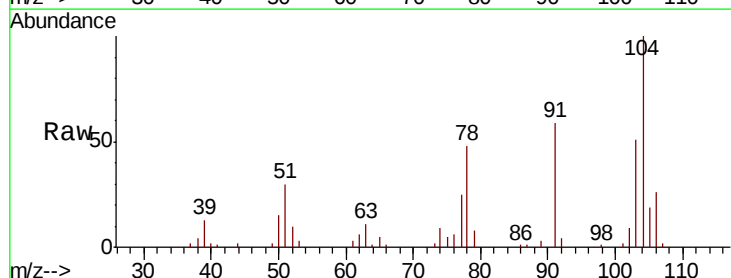
Acq: 21 Mar 2020 17:49

Tgt Ion:104 Resp: 25823

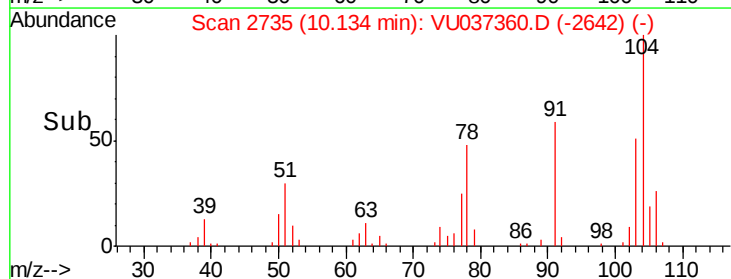
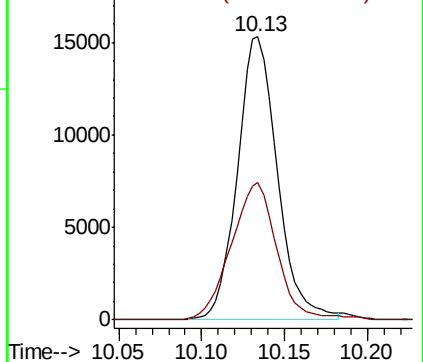
Ion Ratio Lower Upper

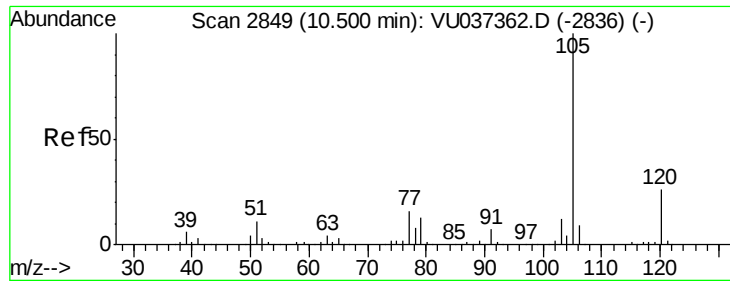
104 100

78 48.5 34.2 63.6



Abundance Ion 104.00 (103.70 to 104.70): V





#56

Isopropylbenzene

Concen: 4.583 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

Instrument :

MSVOA_U

ClientSampleId :

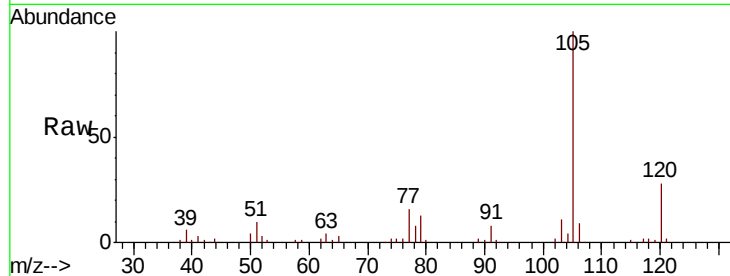
Tot Ion:105 Resp: 44354

Ion Ratio Lower Upper

105 100

120 26.5 20.8 31.2

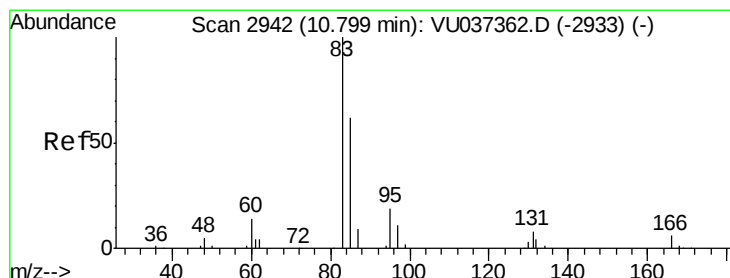
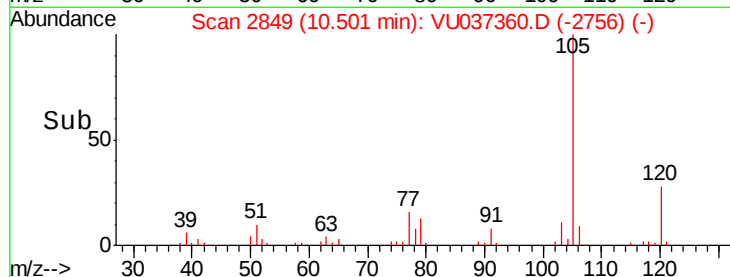
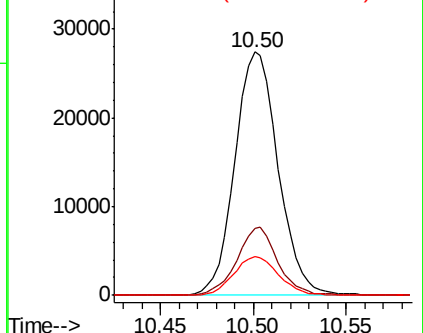
77 16.3 13.2 19.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.856 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

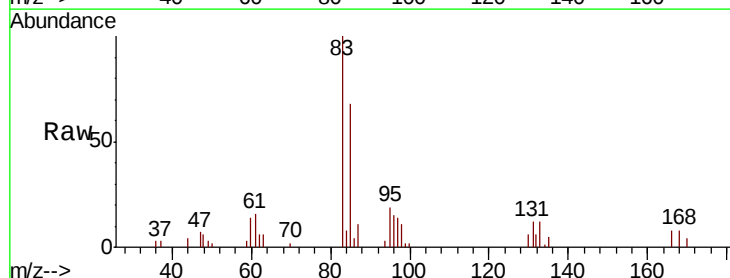
Tgt Ion: 83 Resp: 18048

Ion Ratio Lower Upper

83 100

85 68.1 45.2 84.0

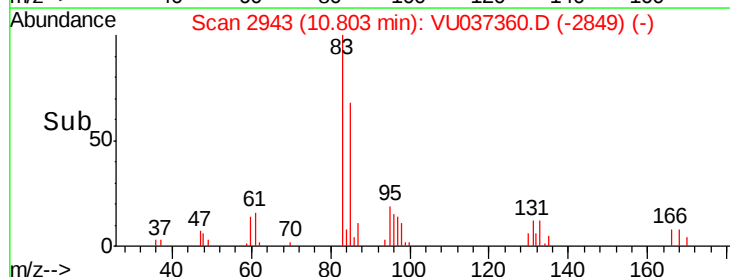
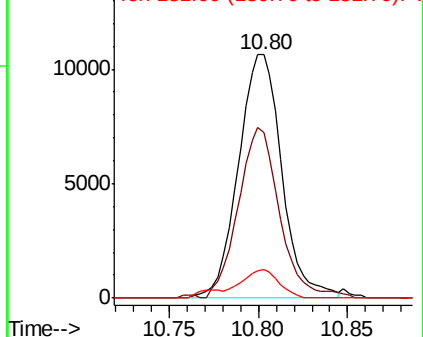
131 11.6 7.8 11.8

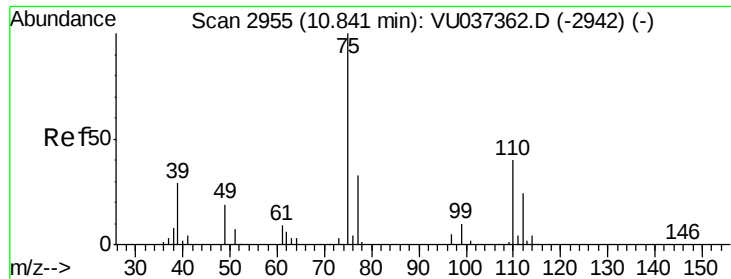


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 4.999 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

Instrument :

MSVOA_U

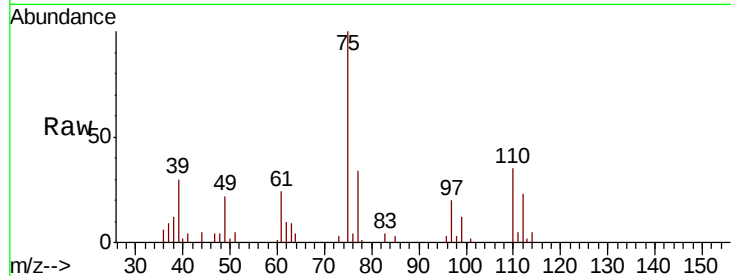
ClientSampled :

Tot Ion: 75 Resp: 15462

Ion Ratio Lower Upper

75 100

77 33.7 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VU037362.D (-2942) (-)

Ion 77.00 (76.70 to 77.70): VU037362.D (-2942) (-)

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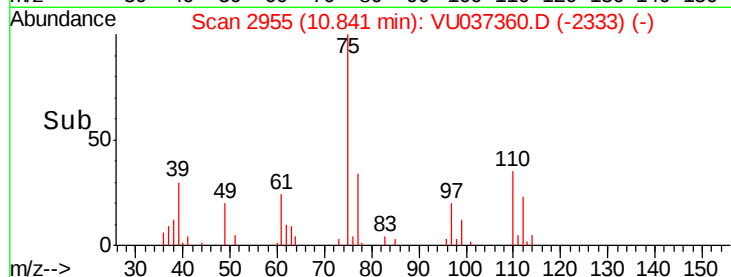
10.84

10.84

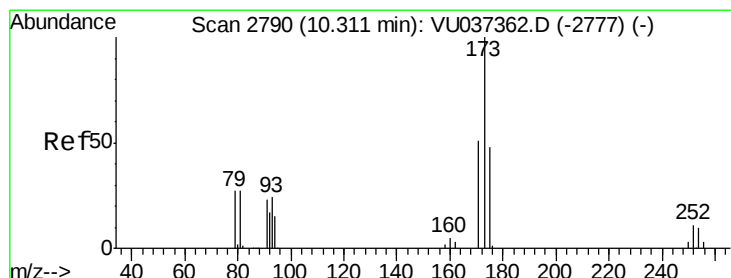
10.84

10.84

10.84



Time-->



#61

Bromoform

Concen: 5.998 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

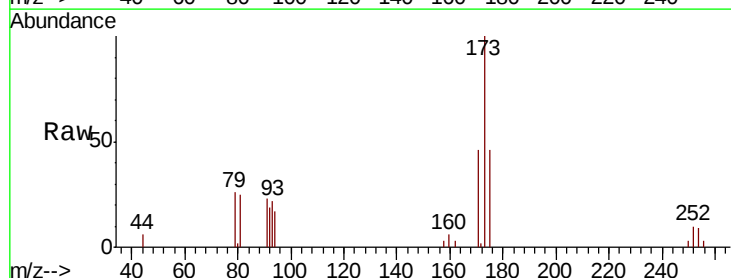
Tgt Ion:173 Resp: 10055

Ion Ratio Lower Upper

173 100

175 44.1 38.7 58.1

254 9.1 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): VU037362.D (-2777) (-)

Ion 175.00 (174.70 to 175.70): VU037362.D (-2777) (-)

Ion 254.00 (253.70 to 254.70): VU037362.D (-2777) (-)

10.31

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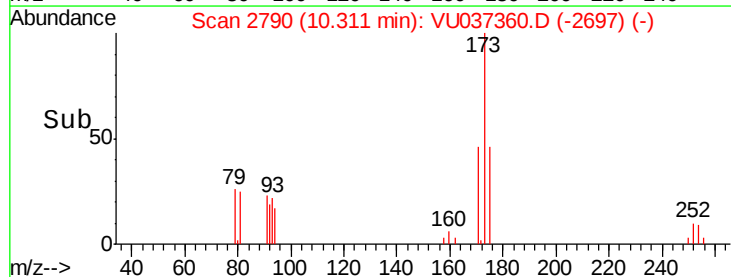
10.31

10.31

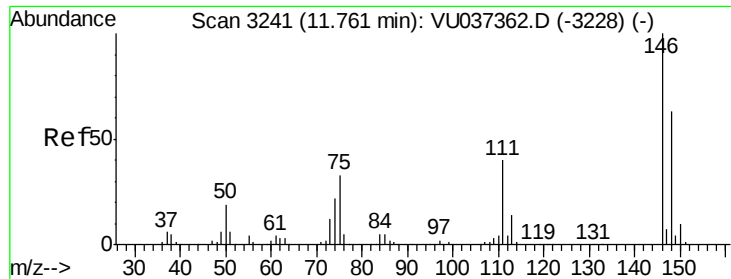
10.31

10.31

10.31



Time-->



#62

1,3-Dichlorobenzene

Concen: 5.458 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

Instrument :

MSVOA_U

ClientSampleId :

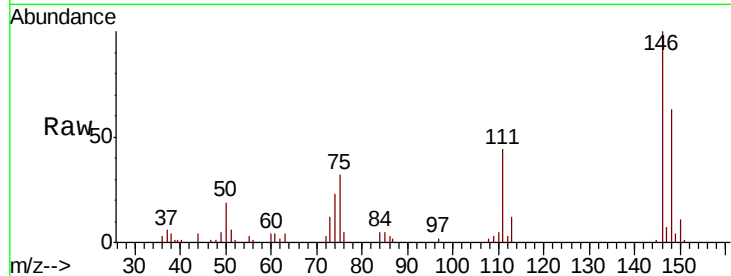
Tot Ion:146 Resp: 20706

Ion Ratio Lower Upper

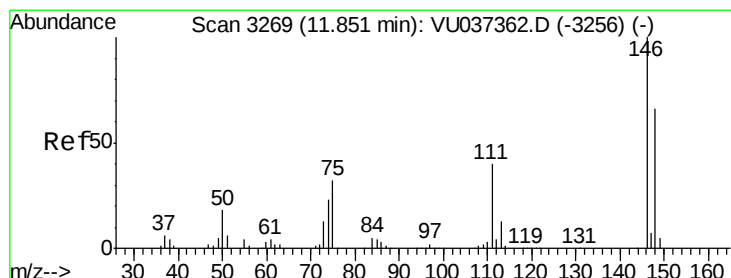
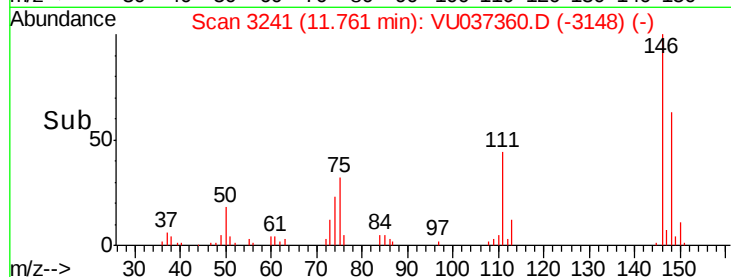
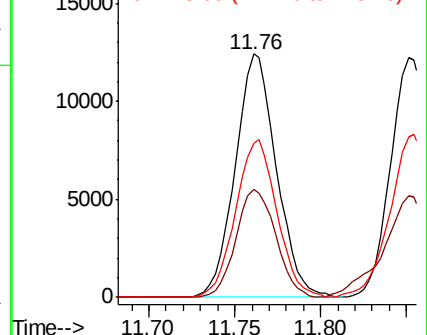
146 100

111 44.3 28.3 52.5

148 63.5 43.8 81.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.402 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

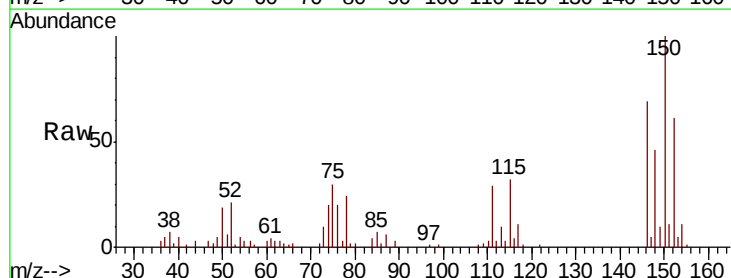
Tgt Ion:146 Resp: 20621

Ion Ratio Lower Upper

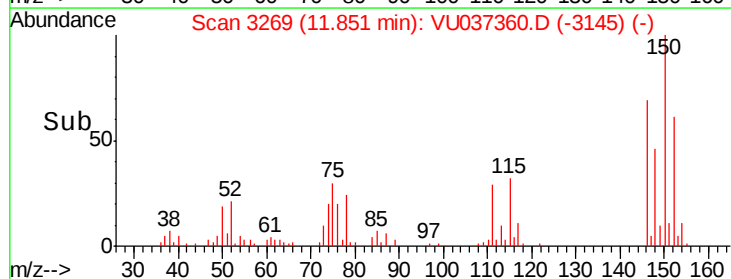
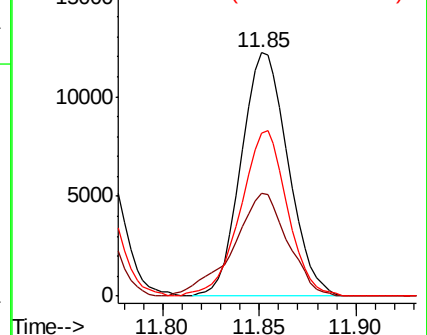
146 100

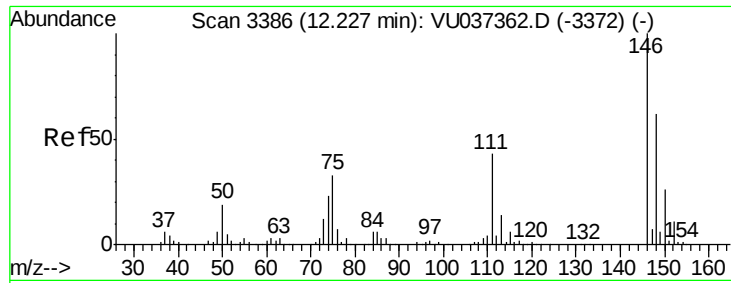
111 42.2 27.9 51.9

148 67.0 46.2 85.8



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.491 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

Instrument :

MSVOA_U

ClientSampleId :

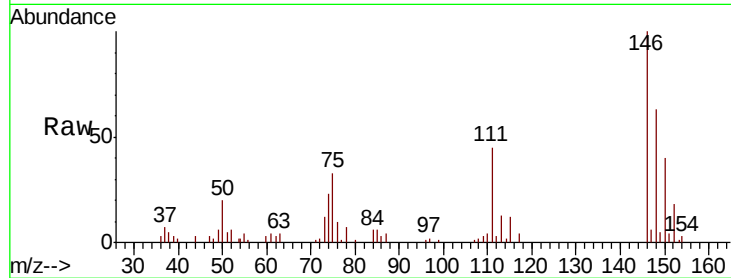
Tot Ion:146 Resp: 21255

Ion Ratio Lower Upper

146 100

111 44.7 34.7 52.1

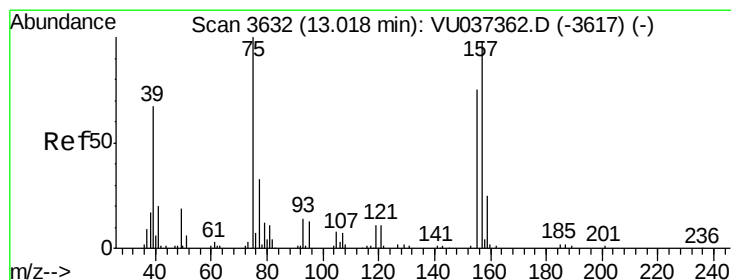
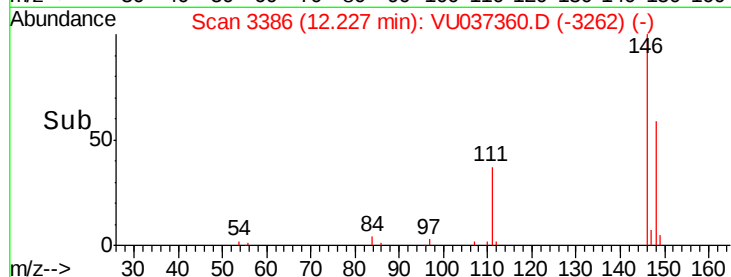
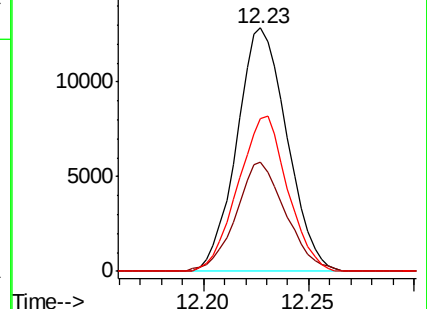
148 62.9 49.9 74.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.991 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

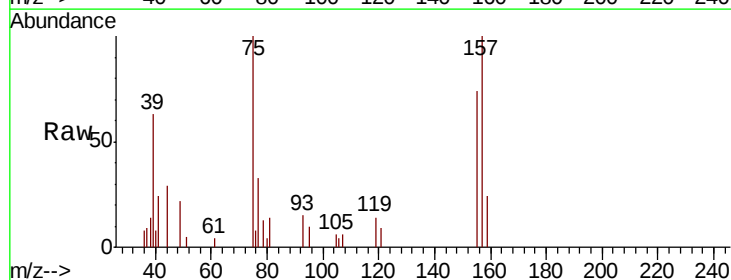
Tgt Ion: 75 Resp: 4233

Ion Ratio Lower Upper

75 100

155 74.1 59.7 89.5

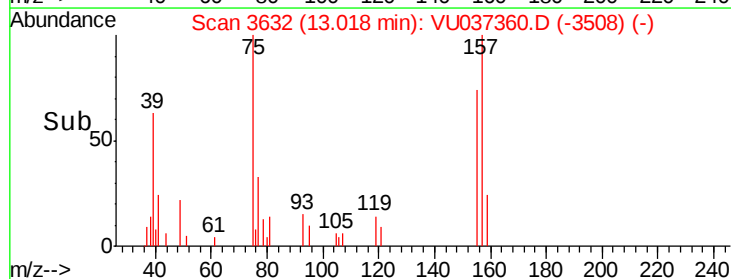
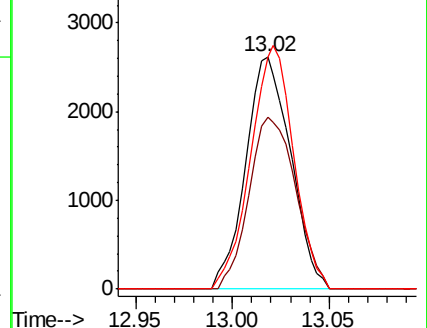
157 99.7 78.8 118.2

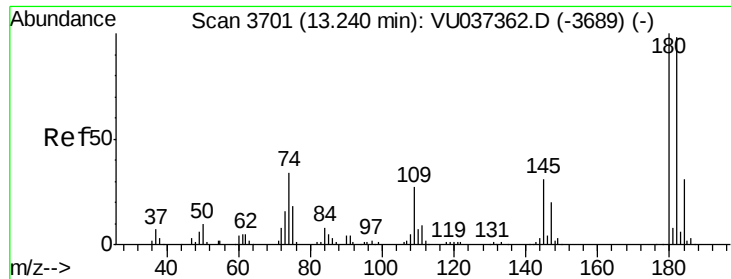


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

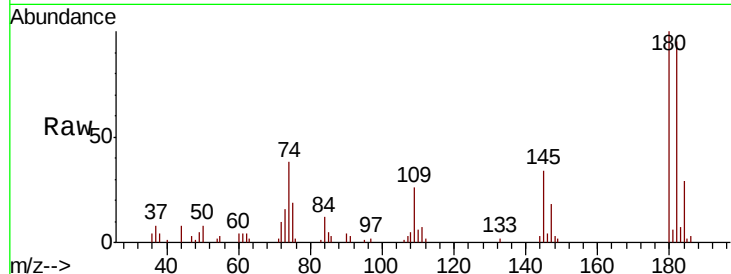




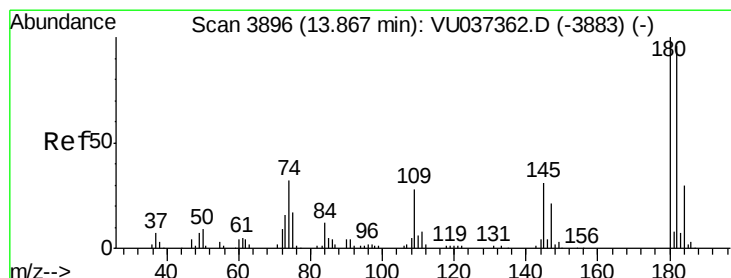
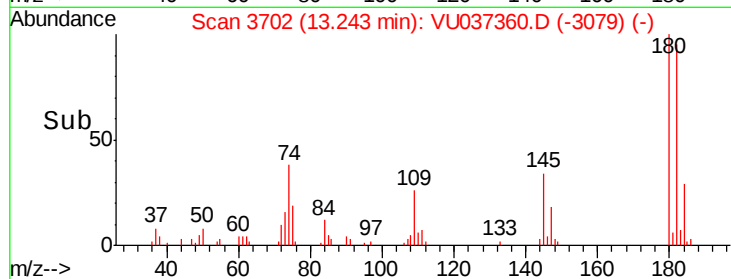
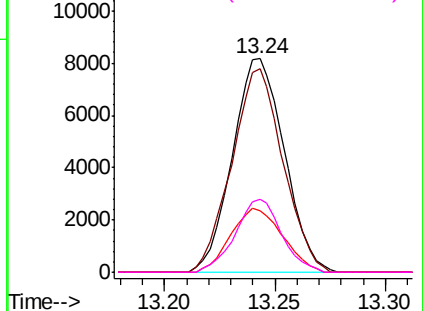
#67
 1,3,5-Trichlorobenzene
 Concen: 4.876 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU037360.D
 Acq: 21 Mar 2020 17:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 13358
 Ion Ratio Lower Upper
 180 100
 182 94.0 77.8 116.6
 184 29.8 24.7 37.1
 145 30.5 24.2 36.4

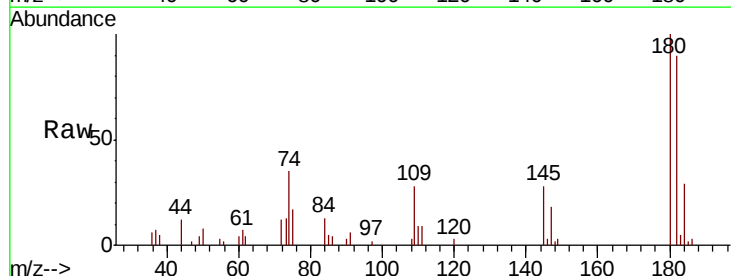


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

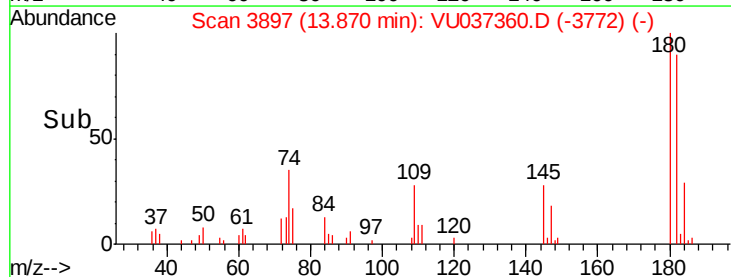
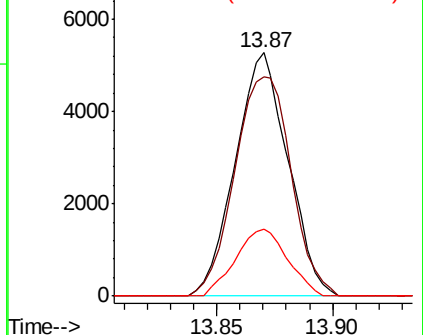


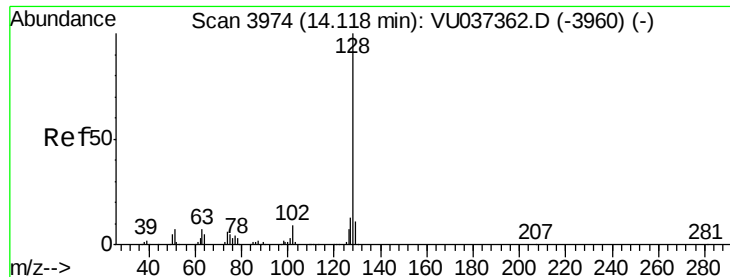
#68
 1,2,4-trichlorobenzene
 Concen: 3.911 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU037360.D
 Acq: 21 Mar 2020 17:49

Tgt Ion:180 Resp: 8335
 Ion Ratio Lower Upper
 180 100
 182 96.5 77.0 115.4
 145 27.1 24.6 36.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 4.367 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

Instrument :

MSVOA_U

ClientSampleId :

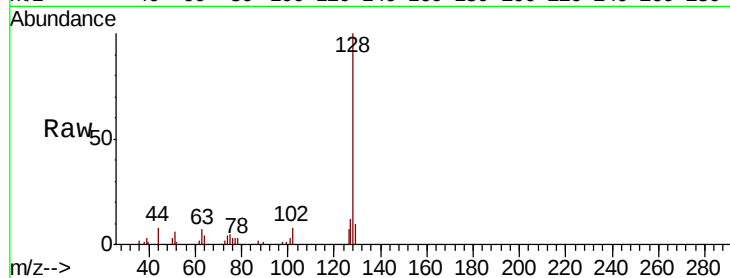
Tot Ion:128 Resp: 16517

Ion Ratio Lower Upper

128 100

127 7.2 10.6 16.0#

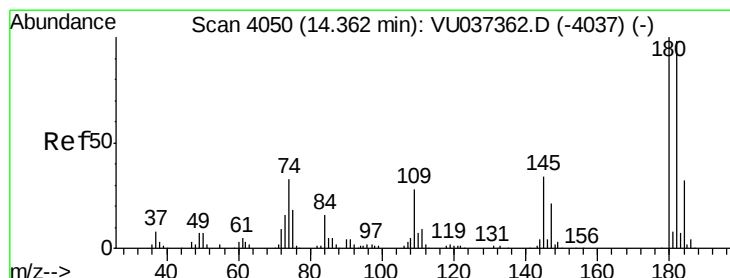
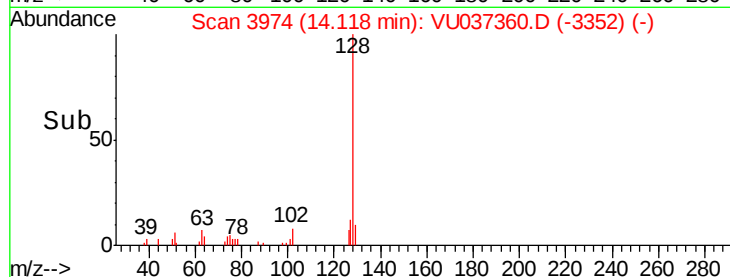
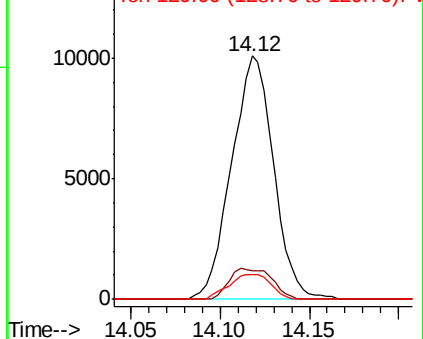
129 10.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 3.876 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037360.D

Acq: 21 Mar 2020 17:49

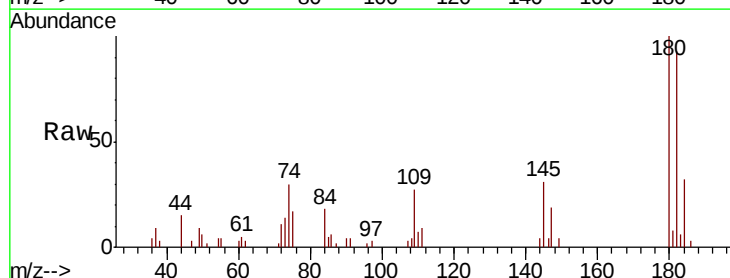
Tgt Ion:180 Resp: 8718

Ion Ratio Lower Upper

180 100

182 94.9 76.3 114.5

145 32.6 26.9 40.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

