

Data File : VU037057.D
Acq On : 04 Mar 2020 23:17
Operator : JC/MD
Sample : L1780-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0DF7

Quant Time: Mar 05 02:57:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 05 02:52:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	252609	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	268238	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	133316	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	87907	41.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.88%
7) Chloroethane-d5	1.92	69	85509	48.72	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.44%
11) 1,1-Dichloroethene-d2	2.59	63	125963	35.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.92%
21) 2-Butanone-d5	4.67	46	143337	100.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.73%
24) Chloroform-d	5.10	84	165519	51.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.74	65	113162	51.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.24%
32) Benzene-d6	5.76	84	354105	45.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.30%
36) 1,2-Dichloropropane-d6	6.72	67	113583	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.40%
41) Toluene-d8	7.92	98	313487	43.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.12%
43) trans-1,3-Dichloropropene-	8.20	79	46921	40.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.36%
47) 2-Hexanone-d5	8.66	63	105500	85.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.86%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	162470	45.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.72%
64) 1,2-Dichlorobenzene-d4	12.22	152	126189	48.42	ug/L	0.01
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.84%

Target Compounds

					Qvalue
3) Chloromethane	1.53	50	3354	1.361 ug/L	91
12) 1,1-Dichloroethene	2.60	96	12292	7.534 ug/L #	1
13) Acetone	2.66	43	5009	3.422 ug/L	99
25) Chloroform	5.13	83	68539	20.857 ug/L	96
27) 1,2-Dichloroethane	5.82	62	199780	74.676 ug/L #	75
29) Cyclohexane	5.43	56	3379	0.949 ug/L	95
34) Trichloroethene	6.57	95	6530	3.135 ug/L	98
37) 1,2-Dichloropropane	6.72	63	12620	5.531 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2792	0.794 ug/L #	41
46) Tetrachloroethene	8.57	164	2110	1.538 ug/L	92
62) 1,3-Dichlorobenzene	11.76	146	3798957	878.420 ug/L	99
63) 1,4-Dichlorobenzene	11.76	146	3798957	889.103 ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	4599	5.368 ug/L #	9
67) 1,3,5-Trichlorobenzene	13.87	180	894370	325.808 ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	894370	434.863 ug/L	98
69) Naphthalene	14.12	128	3935	1.084 ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	341603	166.211 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030420\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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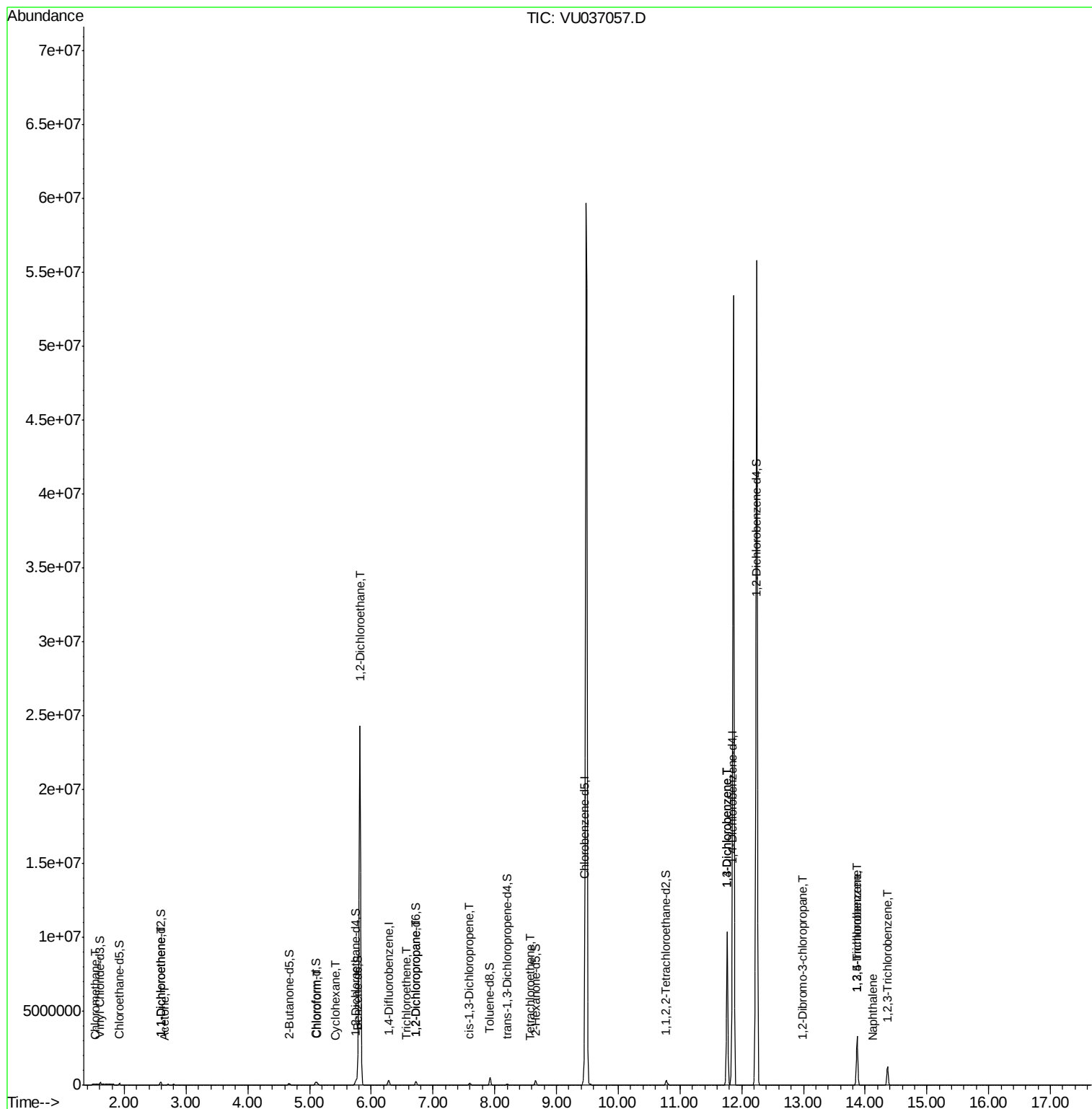
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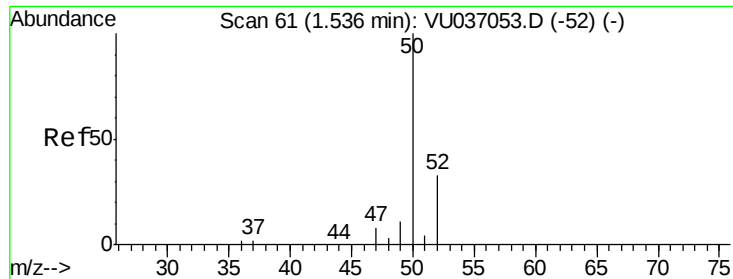
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 1.361 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037057.D

Acq: 04 Mar 2020 23:17

Instrument :

MSVOA_U

ClientSampleId :

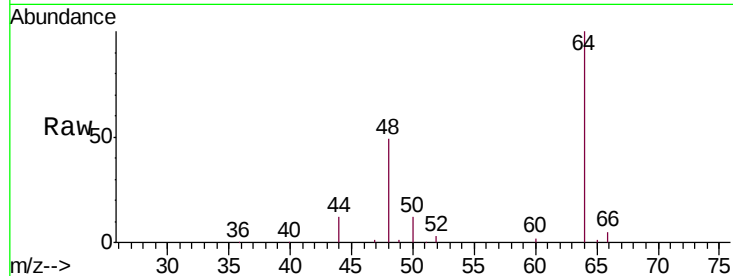
C0DF7

Tgt Ion: 50 Resp: 3354

Ion Ratio Lower Upper

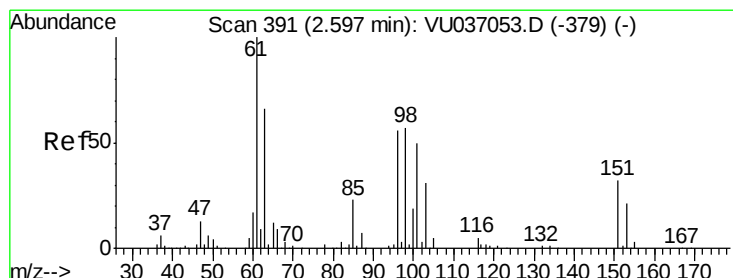
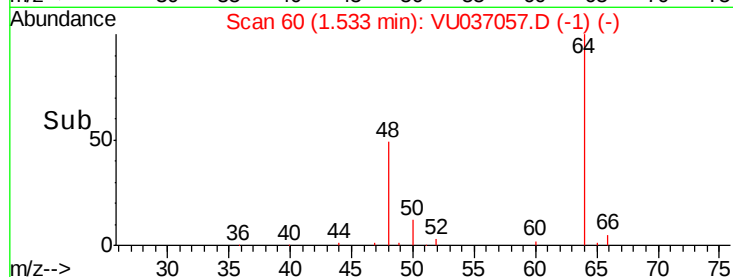
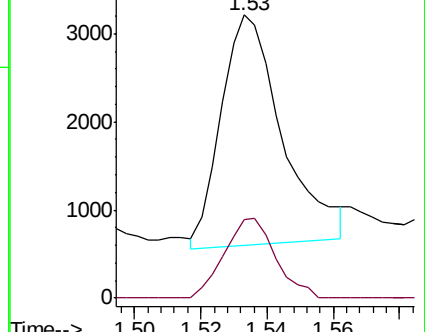
50 100

52 27.6 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU037057.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037057.D (-52) (-)



#12

1,1-Dichloroethene

Concen: 7.534 ug/L

RT: 2.60 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU037057.D

Acq: 04 Mar 2020 23:17

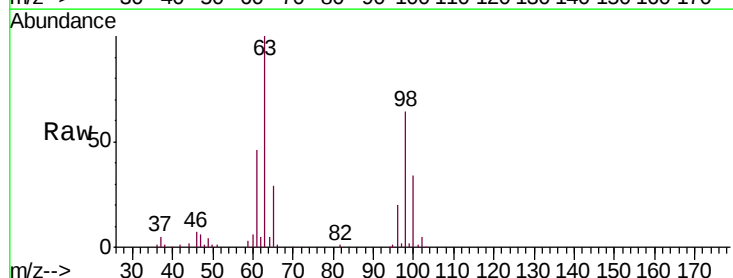
Tgt Ion: 96 Resp: 12292

Ion Ratio Lower Upper

96 100

61 229.2 127.5 236.7

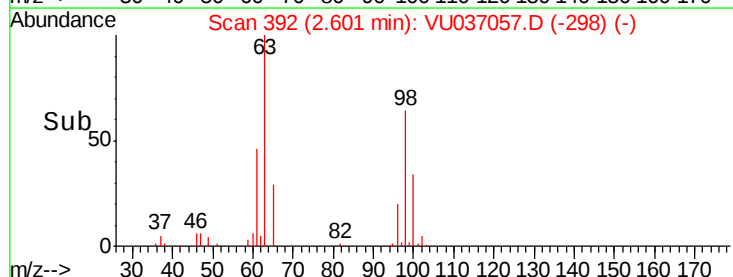
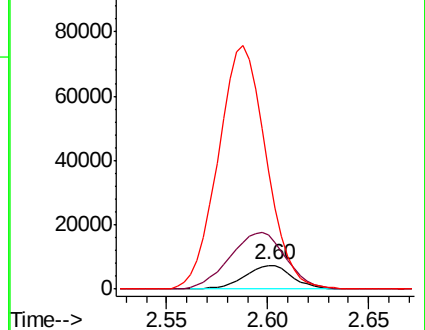
63 498.8 101.4 188.2#

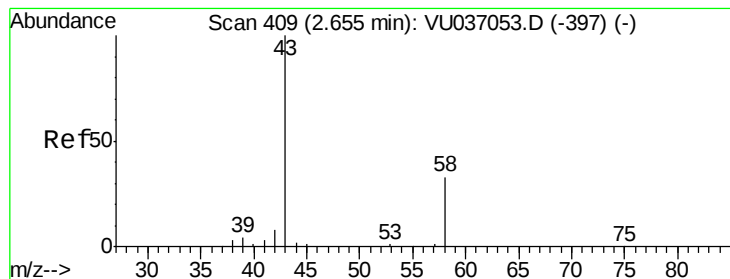


Abundance Ion 96.00 (95.70 to 96.70): VU037057.D (-379) (-)

Ion 61.00 (60.70 to 61.70): VU037057.D (-379) (-)

Ion 63.00 (62.70 to 63.70): VU037057.D (-379) (-)





#13

Acetone

Concen: 3.422 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037057.D

Acq: 04 Mar 2020 23:17

Instrument :

MSVOA_U

ClientSampleId :

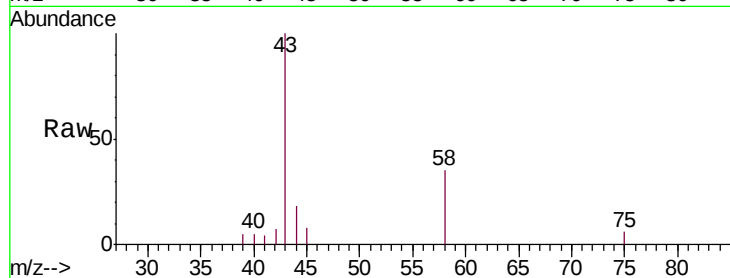
C0DF7

Tgt Ion: 43 Resp: 5009

Ion Ratio Lower Upper

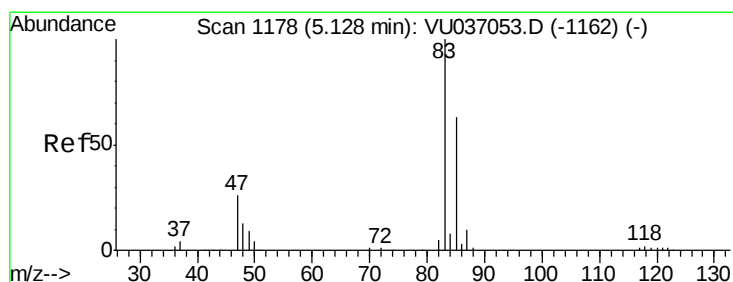
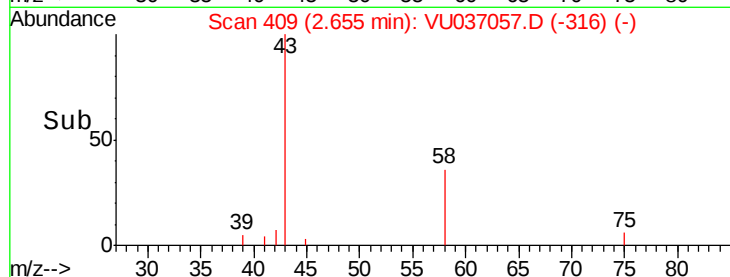
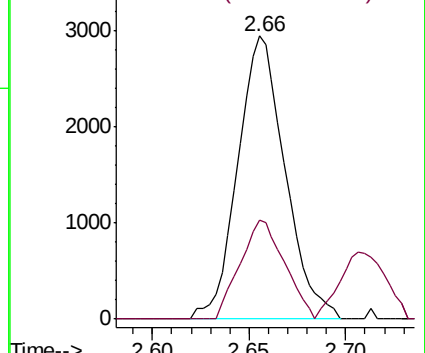
43 100

58 32.7 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU037053.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU037053.D (-397) (-)



#25

Chloroform

Concen: 20.857 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU037057.D

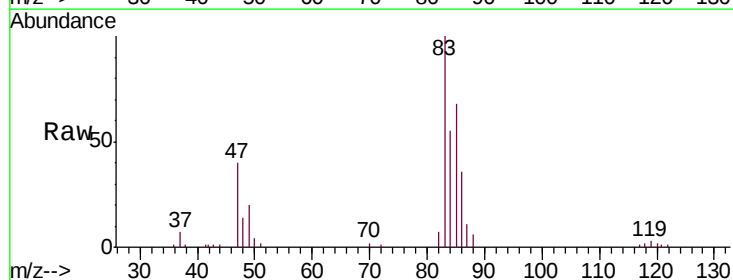
Acq: 04 Mar 2020 23:17

Tgt Ion: 83 Resp: 68539

Ion Ratio Lower Upper

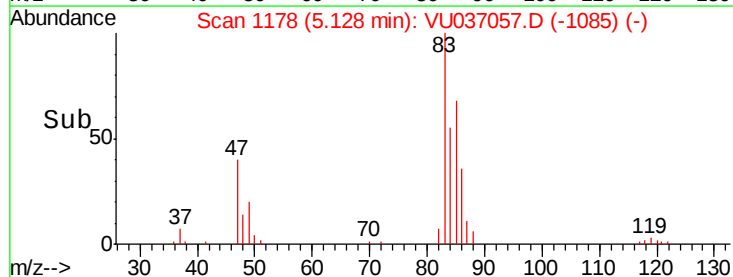
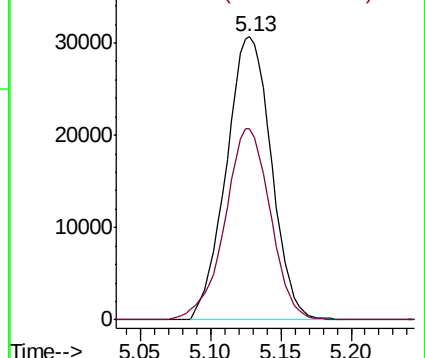
83 100

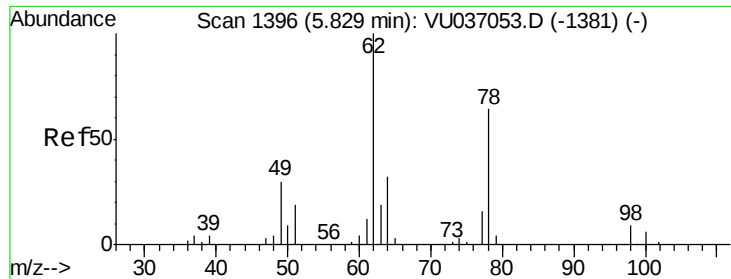
85 67.7 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VU037053.D (-1162) (-)

Ion 85.00 (84.70 to 85.70): VU037053.D (-1162) (-)





#27

1,2-Dichloroethane

Concen: 74.676 ug/L

RT: 5.82 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VU037057.D

Acq: 04 Mar 2020 23:17

Instrument :

MSVOA_U

ClientSampleId :

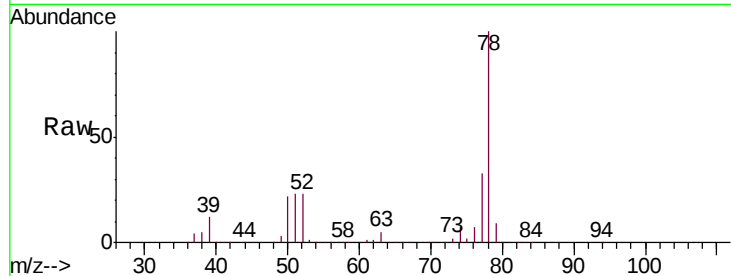
C0DF7

Tgt Ion: 62 Resp: 199780

Ion Ratio Lower Upper

62 100

98 0.0 7.1 10.7#



Abundance Ion 62.00 (61.70 to 62.70): VU037053.D (-1381) (-)

Ion 98.00 (97.70 to 98.70): VU037053.D (-1381) (-)

100000

80000

60000

40000

20000

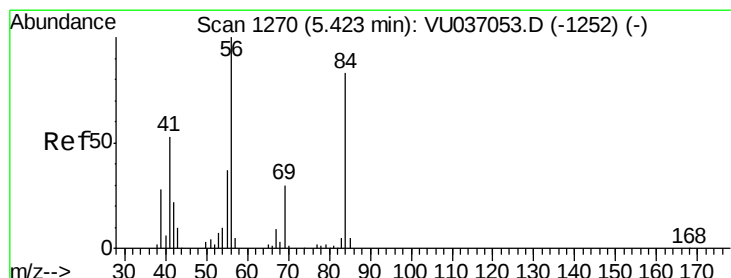
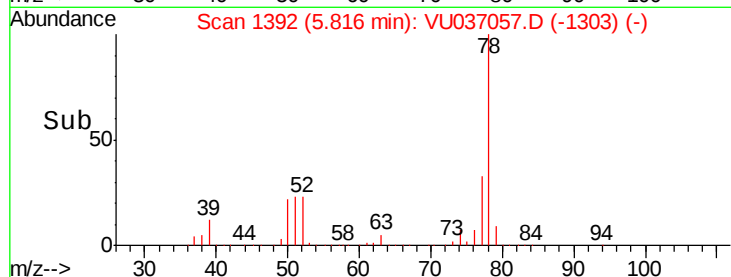
0

5.70

5.80

5.90

Time-->



#29

Cyclohexane

Concen: 0.949 ug/L

RT: 5.43 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU037057.D

Acq: 04 Mar 2020 23:17

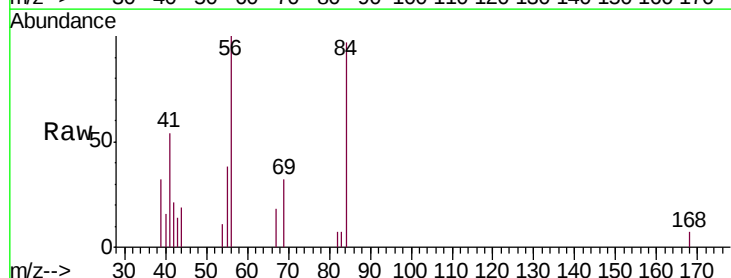
Tgt Ion: 56 Resp: 3379

Ion Ratio Lower Upper

56 100

69 28.1 24.6 37.0

84 88.5 67.0 100.4



Abundance Ion 56.00 (55.70 to 56.70): VU037053.D (-1252) (-)

Ion 69.00 (68.70 to 69.70): VU037053.D (-1252) (-)

Ion 84.00 (83.70 to 84.70): VU037053.D (-1252) (-)

2000

1500

1000

500

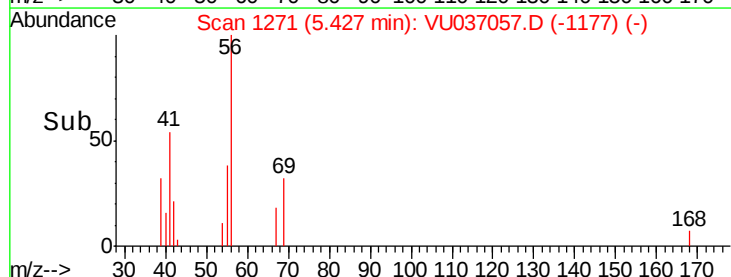
0

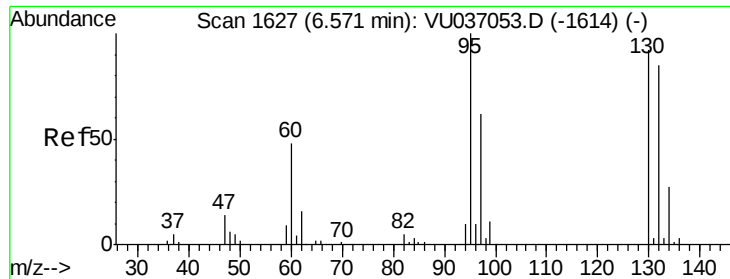
5.40

5.43

5.45

Time-->





#34

Trichloroethene

Concen: 3.135 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037057.D

Acq: 04 Mar 2020 23:17

Instrument :

MSVOA_U

ClientSampleId :

C0DF7

Tgt Ion: 95 Resp: 6530

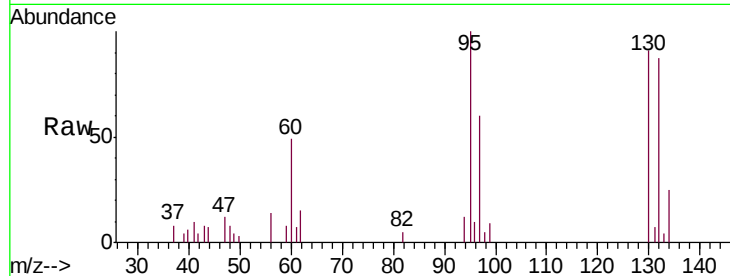
Ion Ratio Lower Upper

95 100

97 59.8 44.1 81.9

132 87.1 60.6 112.6

130 90.7 64.9 120.5

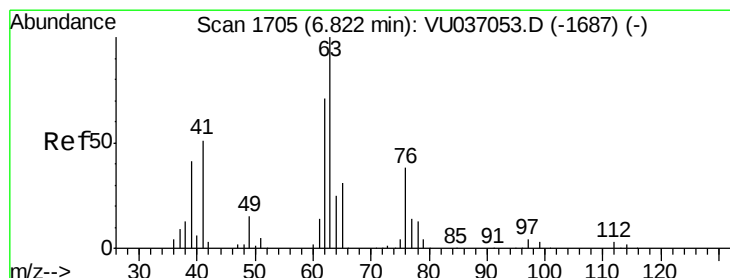
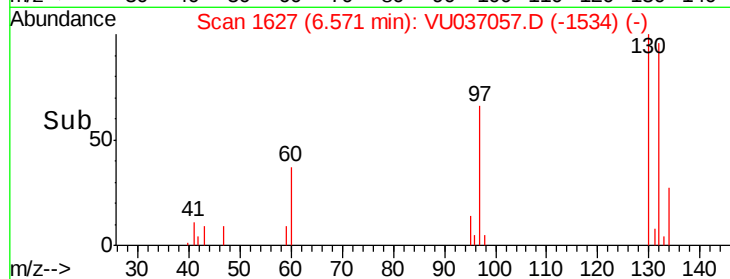
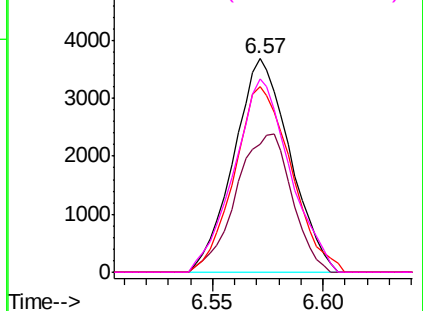


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#37

1,2-Dichloropropane

Concen: 5.531 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU037057.D

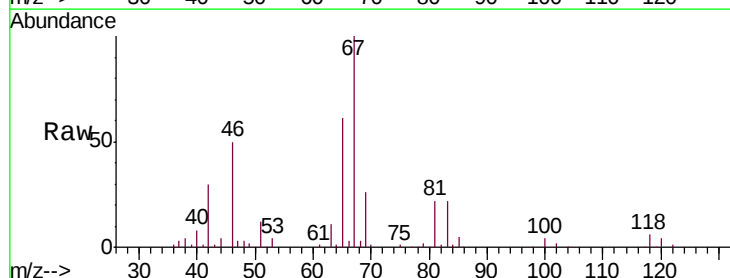
Acq: 04 Mar 2020 23:17

Tgt Ion: 63 Resp: 12620

Ion Ratio Lower Upper

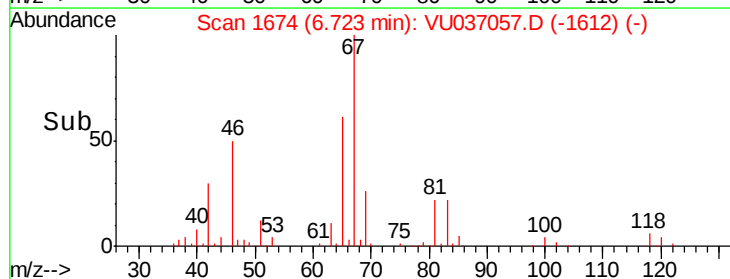
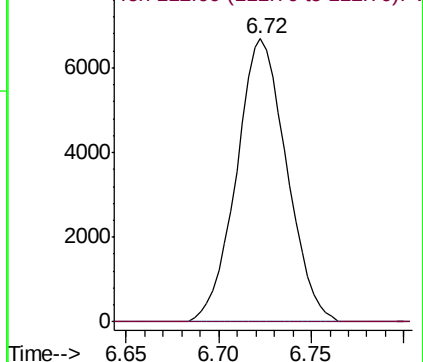
63 100

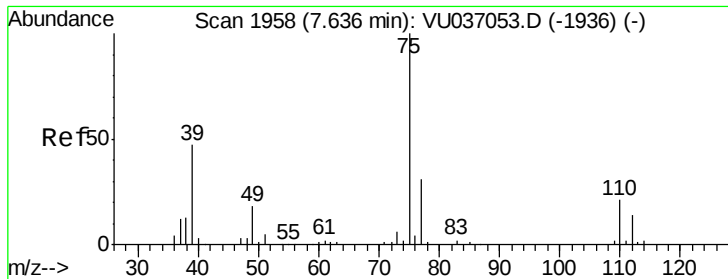
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

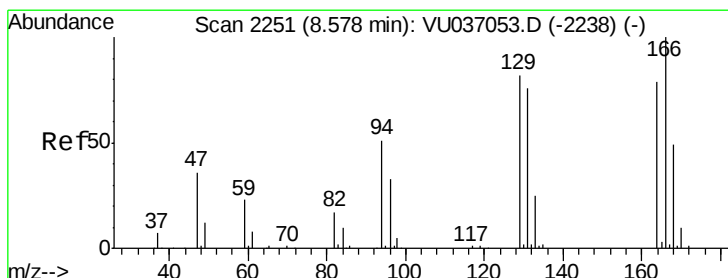
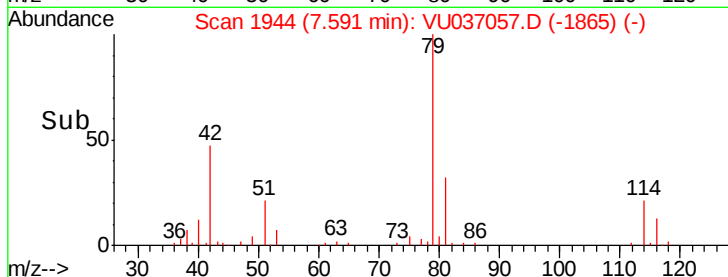
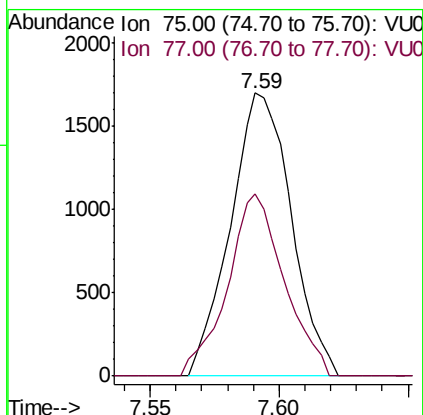
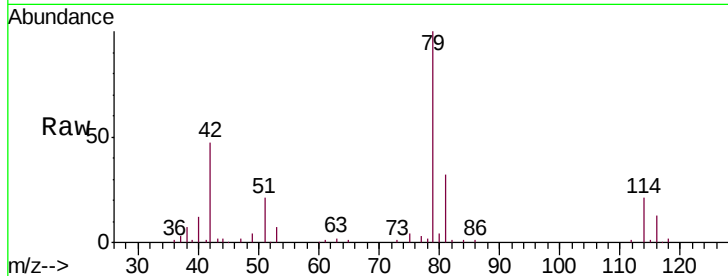




#39
 cis-1,3-Dichloropropene
 Concen: 0.794 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037057.D
 Acq: 04 Mar 2020 23:17

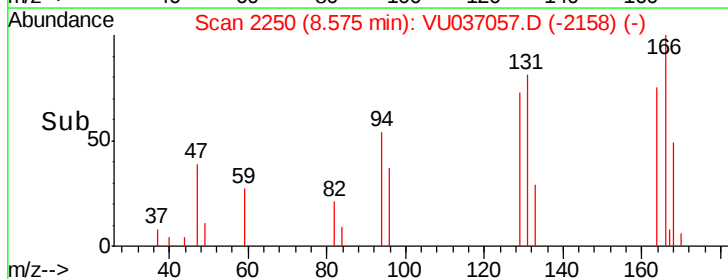
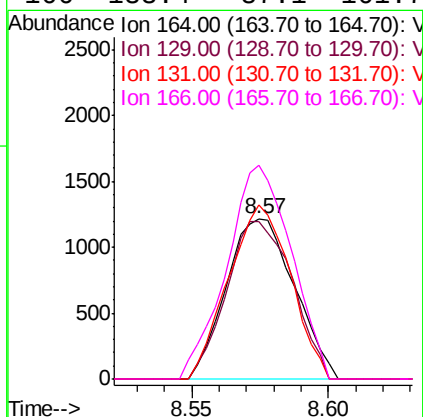
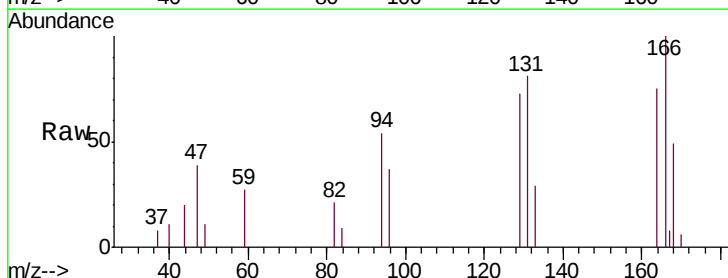
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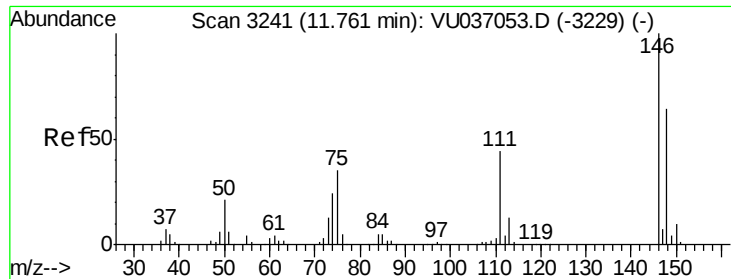
Tgt Ion: 75 Resp: 2792
 Ion Ratio Lower Upper
 75 100
 77 64.3 22.0 41.0#



#46
 Tetrachloroethene
 Concen: 1.538 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037057.D
 Acq: 04 Mar 2020 23:17

Tgt Ion: 164 Resp: 2110
 Ion Ratio Lower Upper
 164 100
 129 97.9 72.0 133.8
 131 108.4 67.9 126.1
 166 133.4 87.1 161.7

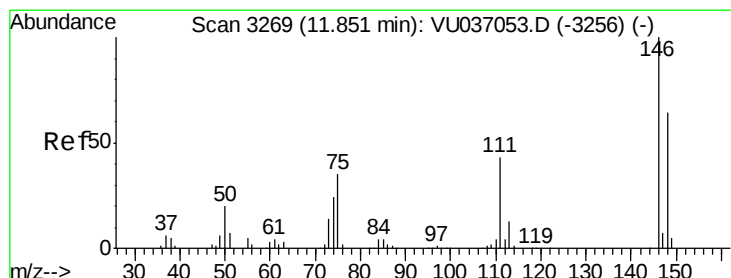
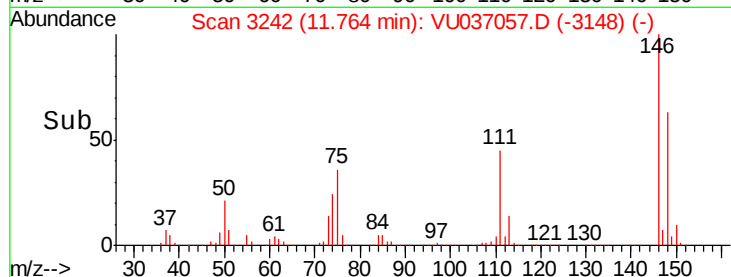
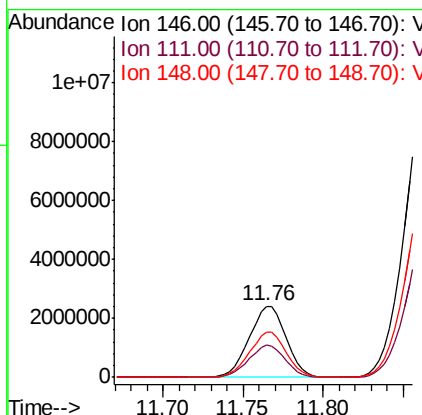
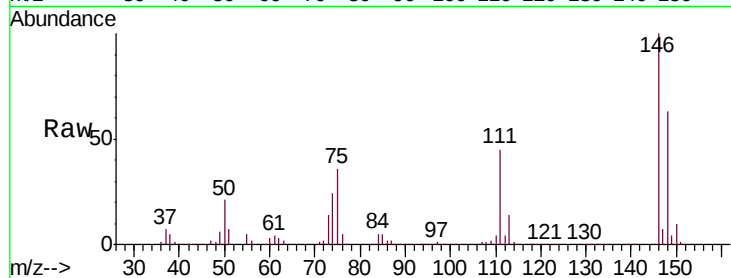




#62
 1,3-Dichlorobenzene
 Concen: 878.420 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: VU037057.D
 Acq: 04 Mar 2020 23:17

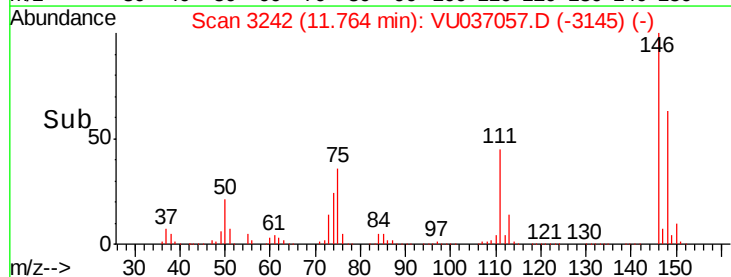
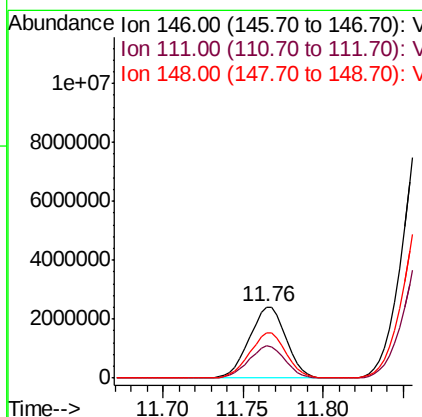
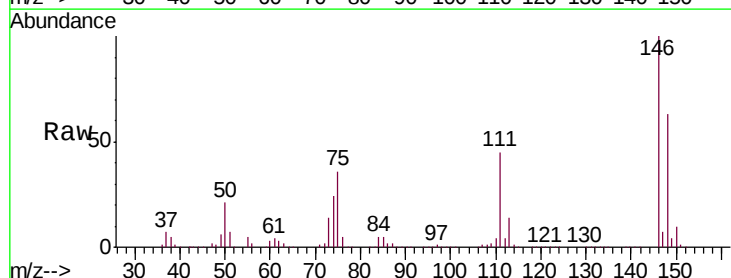
Instrument :
 MSVOA_U
 ClientSampled :
 C0DF7

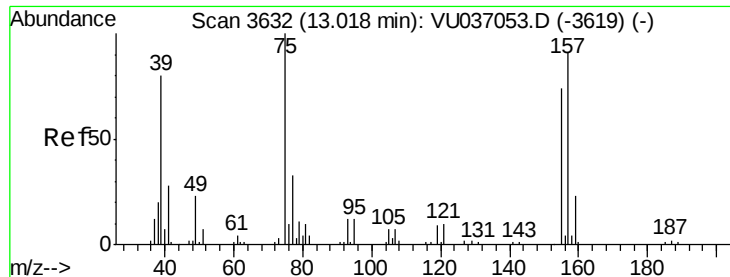
Tgt Ion:146 Resp: 3798957
 Ion Ratio Lower Upper
 146 100
 111 44.9 30.7 56.9
 148 63.1 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 889.103 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. -0.09 min
 Lab File: VU037057.D
 Acq: 04 Mar 2020 23:17

Tgt Ion:146 Resp: 3798957
 Ion Ratio Lower Upper
 146 100
 111 44.9 29.8 55.4
 148 63.1 45.1 83.9

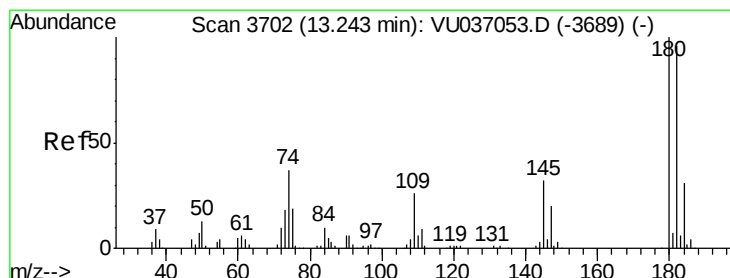
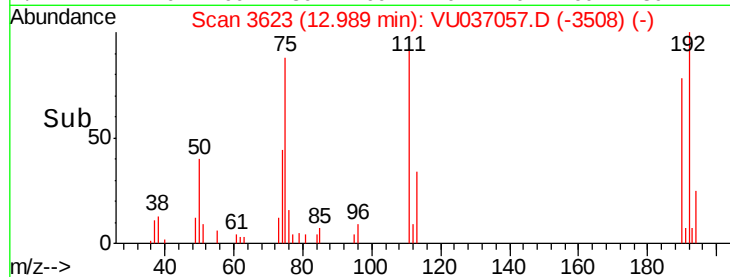
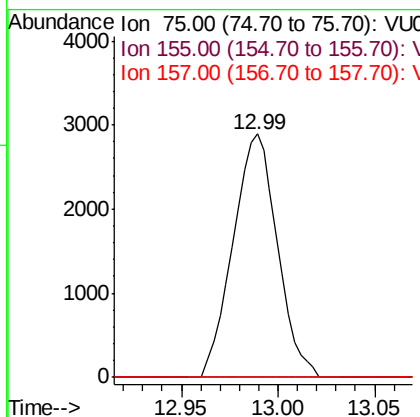
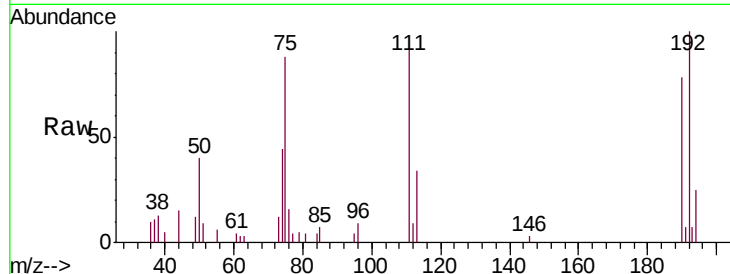




#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.368 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.03 min
 Lab File: VU037057.D
 Acq: 04 Mar 2020 23:17

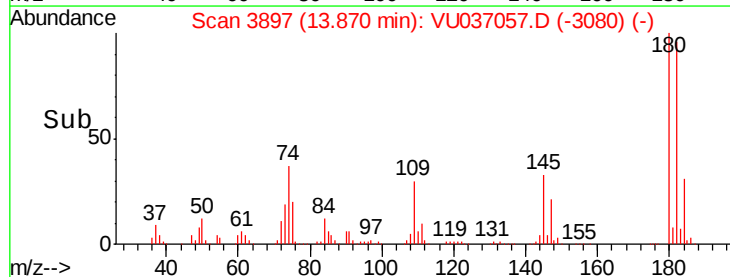
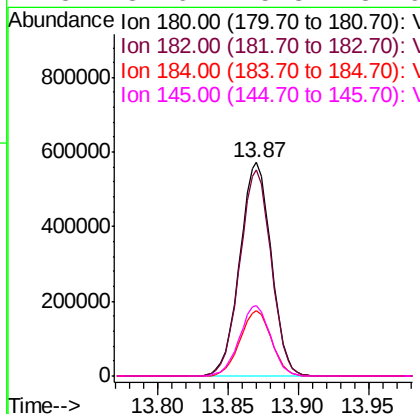
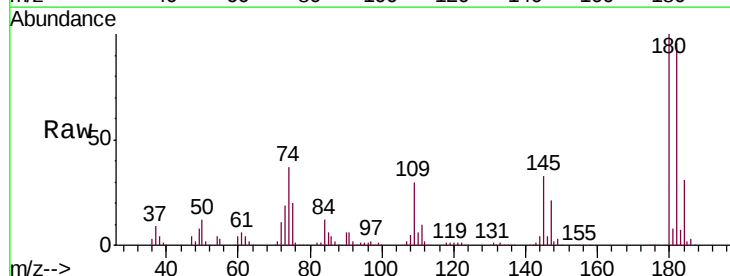
Instrument :
 MSVOA_U
 ClientSampleId :
 C0DF7

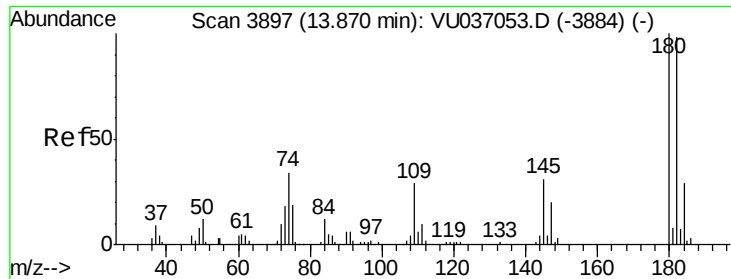
Tgt Ion: 75 Resp: 4599
 Ion Ratio Lower Upper
 75 100
 155 0.0 55.7 83.5#
 157 0.0 73.0 109.6#



#67
 1,3,5-Trichlorobenzene
 Concen: 325.808 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.63 min
 Lab File: VU037057.D
 Acq: 04 Mar 2020 23:17

Tgt Ion: 180 Resp: 894370
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.9 115.3
 184 30.4 24.2 36.2
 145 32.6 25.3 37.9

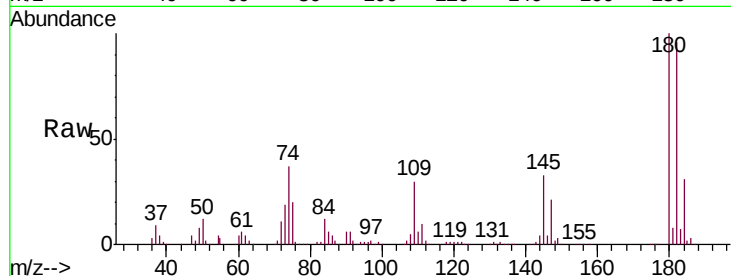




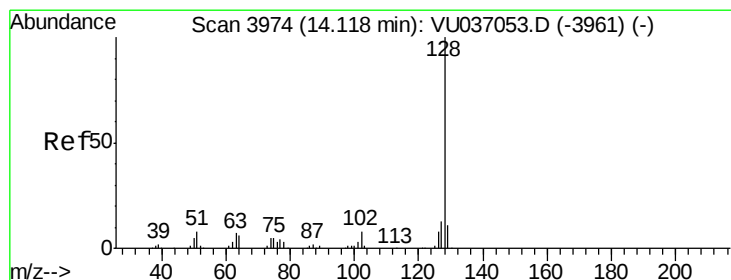
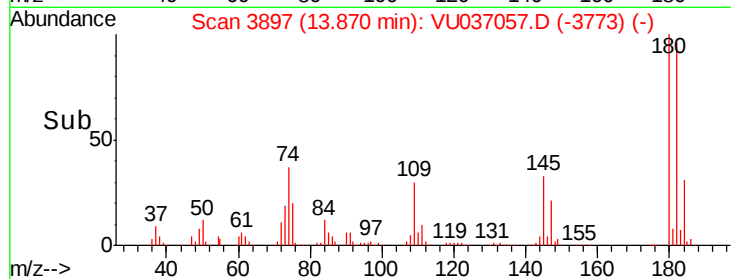
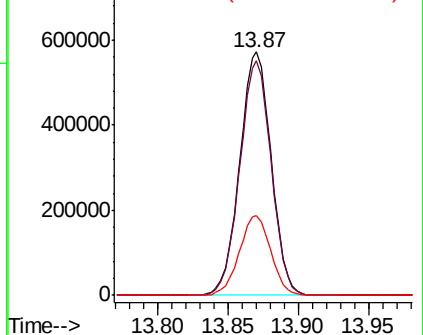
#68
 1,2,4-trichlorobenzene
 Concen: 434.863 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU037057.D
 Acq: 04 Mar 2020 23:17

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DF7

Tgt Ion:180 Resp: 894370
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.3 112.9
 145 32.6 26.2 39.4

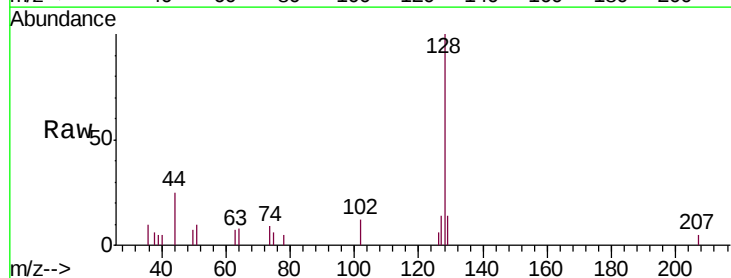


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

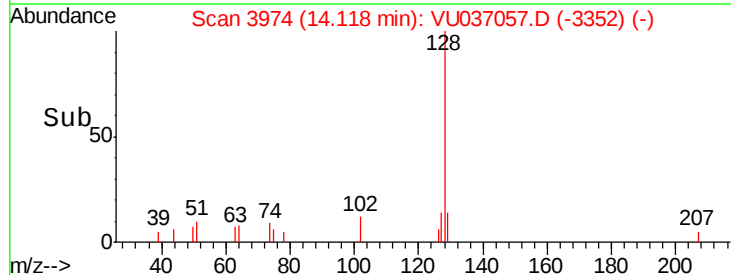
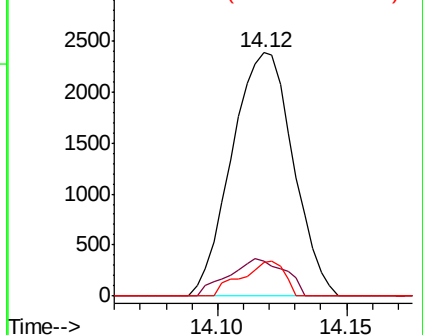


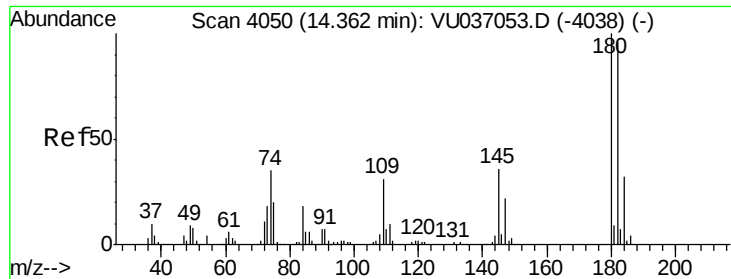
#69
 Naphthalene
 Concen: 1.084 ug/L
 RT: 14.12 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VU037057.D
 Acq: 04 Mar 2020 23:17

Tgt Ion:128 Resp: 3935
 Ion Ratio Lower Upper
 128 100
 127 14.1 11.0 16.4
 129 10.0 8.6 12.8



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

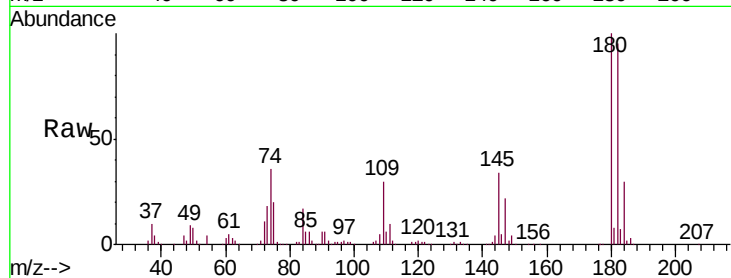




#70
 1,2,3-Trichlorobenzene
 Concen: 166.211 ug/L
 RT: 14.36 min Scan# 4050
 Delta R.T. 0.00 min
 Lab File: VU037057.D
 Acq: 04 Mar 2020 23:17

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DF7

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.0	115.6
145	34.0	28.1	42.1



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

