

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122220\
 Data File : VU041754.D
 Acq On : 22 Dec 2020 20:25
 Operator : SY/MD
 Sample : L5185-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S5

Quant Time: Dec 23 05:10:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 23 05:08:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	139185	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	127358	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55610	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	34305	3.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.00%
7) Chloroethane-d5	1.92	69	39892	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.58	63	53036	2.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.00%#
20) 2-Butanone-d5	4.65	46	198871	63.62	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.24%
24) Chloroform-d	5.08	84	97882	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.72	65	57687	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
32) Benzene-d6	5.74	84	180286	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.70	67	63266	5.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.60%
41) Toluene-d8	7.91	98	134685	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
43) trans-1,3-Dichloropropene-	8.18	79	22053	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.64	63	140394	49.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.90%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52294	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	52901	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	719	0.063	ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	427	0.045	ug/L #	22
13) Acetone	2.66	43	2444	1.229	ug/L	95
22) cis-1,2-Dichloroethene	4.68	96	7066	0.655	ug/L	91
25) Chloroform	5.11	83	2333	0.127	ug/L	94
31) Carbon tetrachloride	5.54	117	917	0.073	ug/L	94
34) Trichloroethene	6.56	95	11197297	1094.008	ug/L	98
35) Methylcyclohexane	6.70	83	14507	0.877	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	6286	0.603	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1418	0.092	ug/L #	76
44) trans-1,3-Dichloropropene	8.18	75	818	0.059	ug/L	87
47) Tetrachloroethene	8.56	164	170061	23.735	ug/L	97
48) 2-Hexanone	8.64	43	15940	2.954	ug/L #	67
49) Dibromochloromethane	8.56	129	164587	18.598	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6130	0.783	ug/L	97

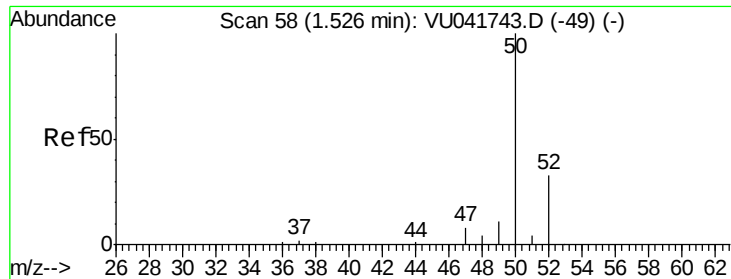
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122220\
Data File : VU041754.D
Acq On : 22 Dec 2020 20:25
Operator : SY/MD
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Instrument :
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ClientSampleId :
BG4S5

Quant Time: Dec 23 05:10:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 23 05:08:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#3

Chloromethane

Concen: 0.063 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041754.D

Acq: 22 Dec 2020 20:25

Instrument :

MSVOA_U

ClientSampleId :

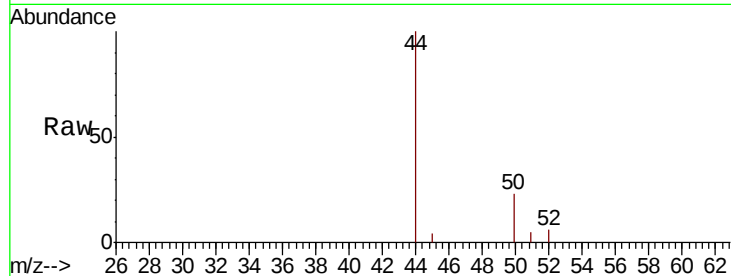
BG4S5

Tot Ion: 50 Resp: 719

Ion Ratio Lower Upper

50 100

52 28.4 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.52

600

500

400

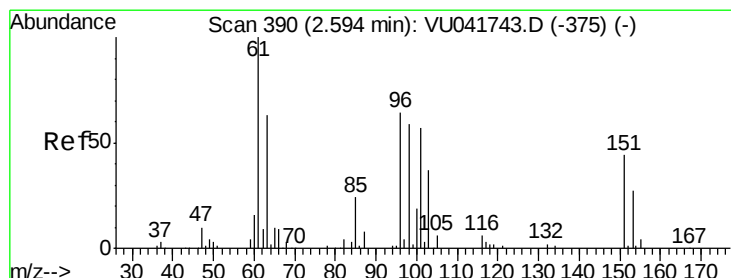
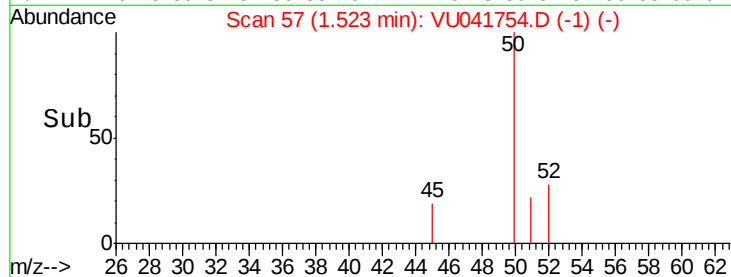
300

200

100

0

Time--> 1.48 1.50 1.52 1.54 1.56



#10

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

Concen: 0.045 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041754.D

Acq: 22 Dec 2020 20:25

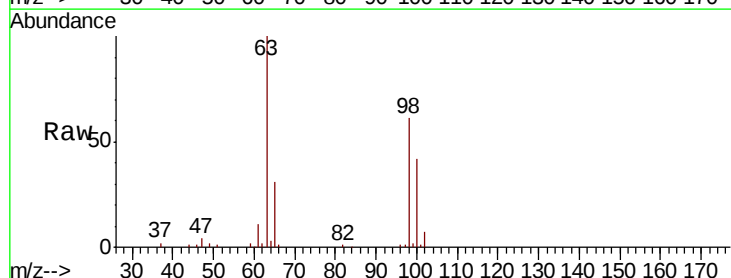
Tgt Ion:101 Resp: 427

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#



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

500

400

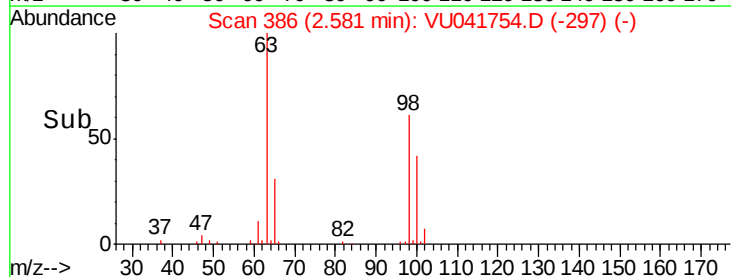
300

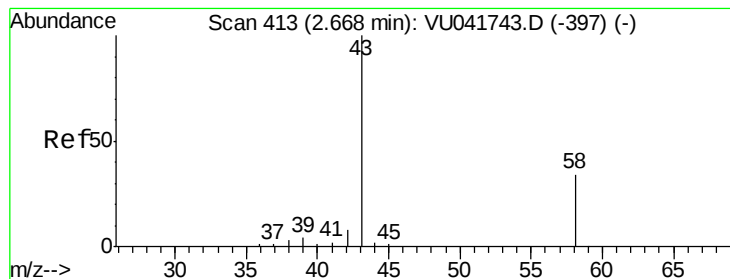
200

100

0

Time--> 2.54 2.56 2.58 2.60





#13

Acetone

Concen: 1.229 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU041754.D

Acq: 22 Dec 2020 20:25

Instrument :

MSVOA_U

ClientSampled :

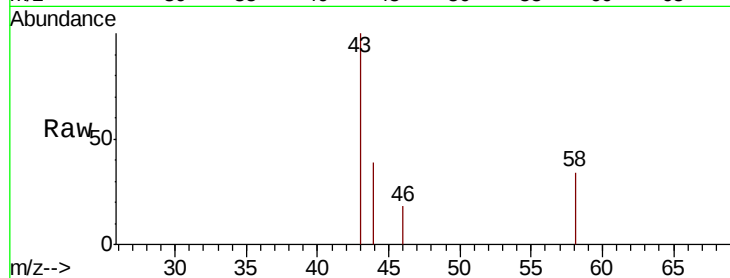
BG4S5

Tot Ion: 43 Resp: 2444

Ion Ratio Lower Upper

43 100

58 33.3 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041754.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU041754.D (-397) (-)

2.66

800

600

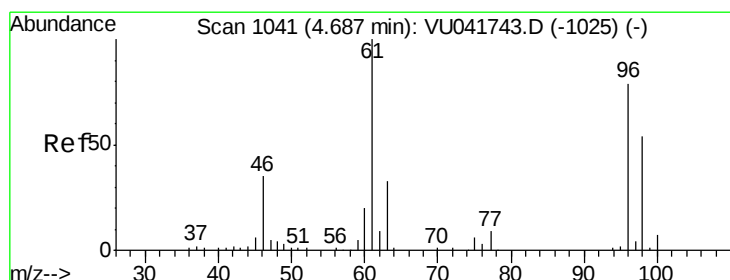
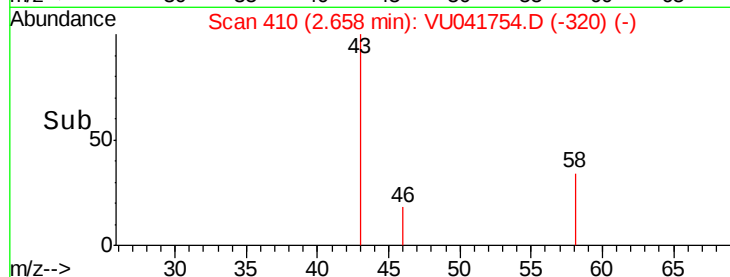
400

200

0

2.60 2.65 2.70

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.655 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VU041754.D

Acq: 22 Dec 2020 20:25

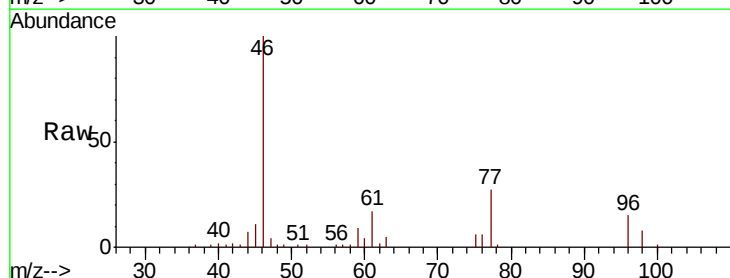
Tgt Ion: 96 Resp: 7066

Ion Ratio Lower Upper

96 100

61 116.1 88.8 165.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041754.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU041754.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU041754.D (-948) (-)

4.68

5000

4000

3000

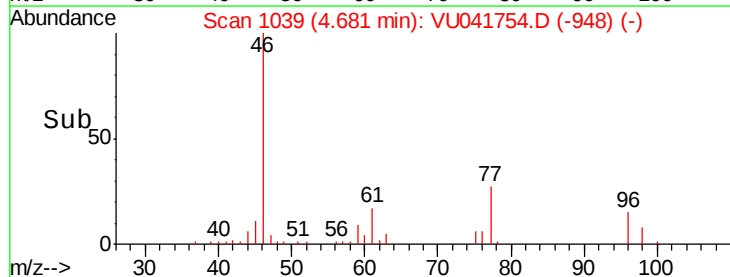
2000

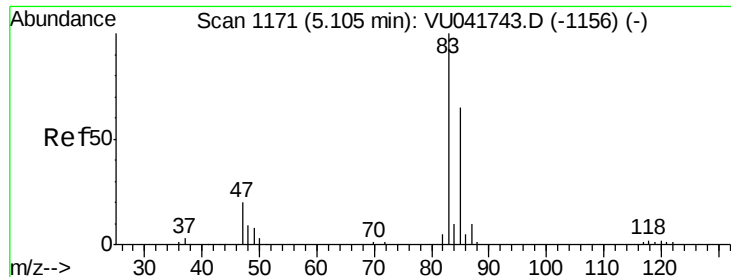
1000

0

4.60 4.65 4.70 4.75

Time-->

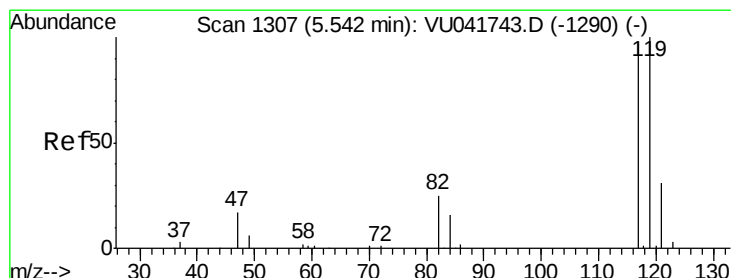
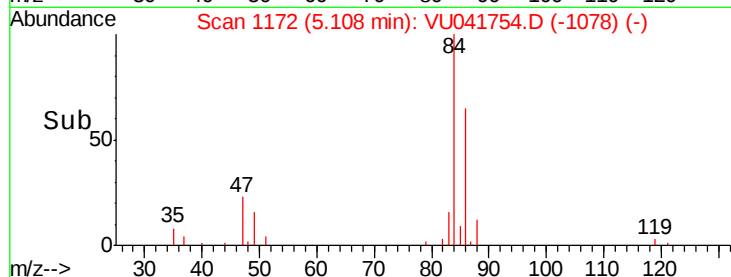
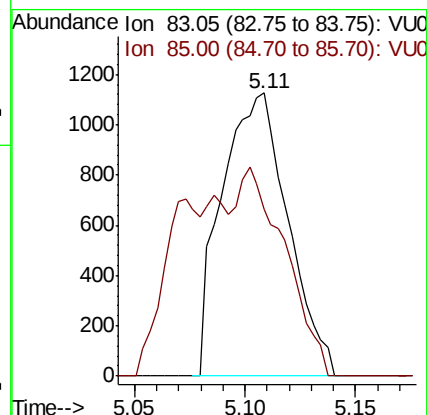
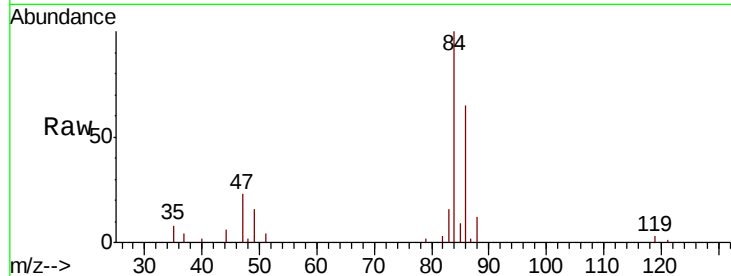




#25
Chloroform
Concen: 0.127 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU041754.D
Acq: 22 Dec 2020 20:25

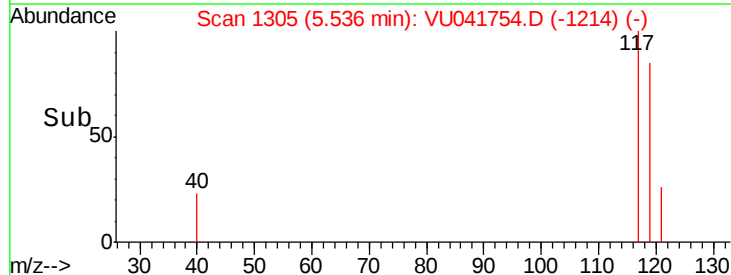
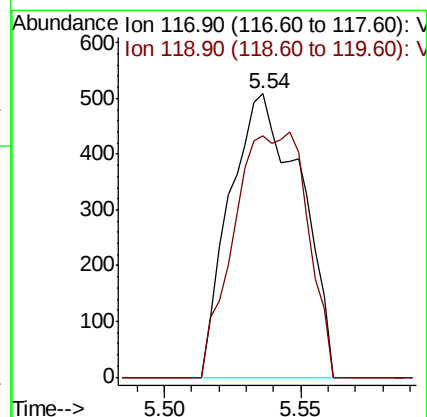
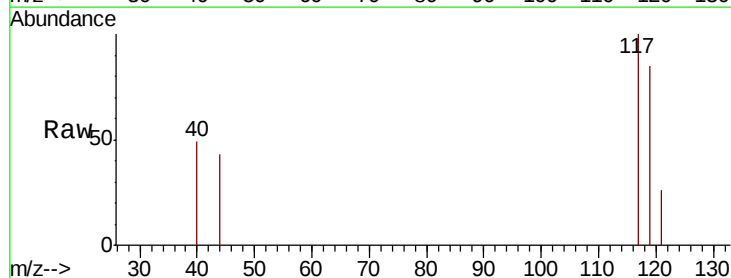
Instrument :
MSVOA_U
ClientSampleId :
BG4S5

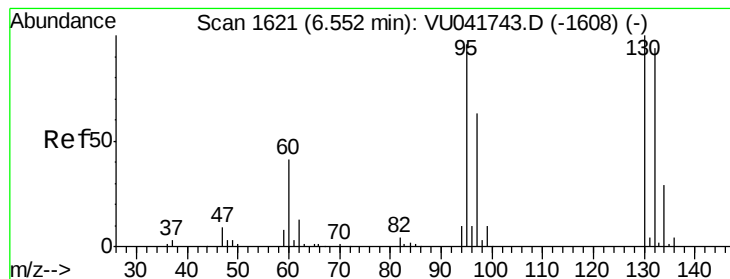
Tot Ion: 83 Resp: 2333
Ion Ratio Lower Upper
83 100
85 58.8 44.2 82.0



#31
Carbon tetrachloride
Concen: 0.073 ug/L
RT: 5.54 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VU041754.D
Acq: 22 Dec 2020 20:25

Tgt Ion: 117 Resp: 917
Ion Ratio Lower Upper
117 100
119 89.4 76.2 114.2





#34

Trichloroethene

Concen: 1094.008 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.01 min

Lab File: VU041754.D

Acq: 22 Dec 2020 20:25

Instrument :

MSVOA_U

ClientSampleId :

BG4S5

Tot Ion: 95 Resp: 11197297

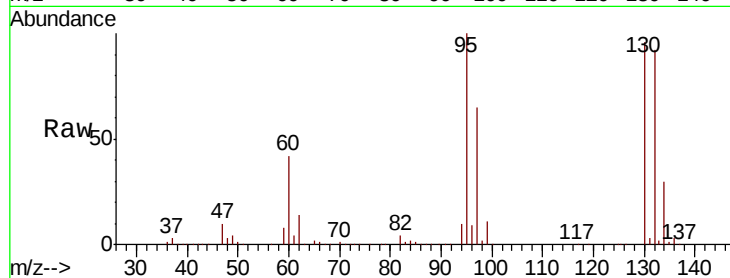
Ion Ratio Lower Upper

95 100

97 64.7 43.9 81.5

132 92.3 63.1 117.3

130 95.9 67.4 125.2

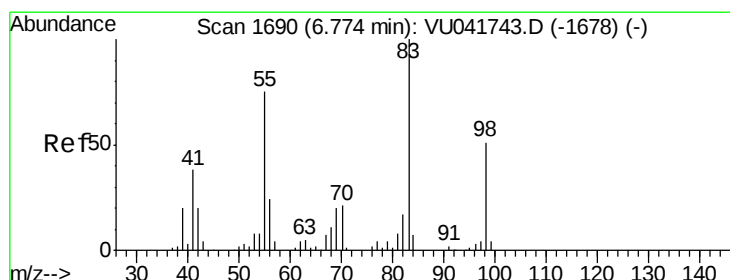
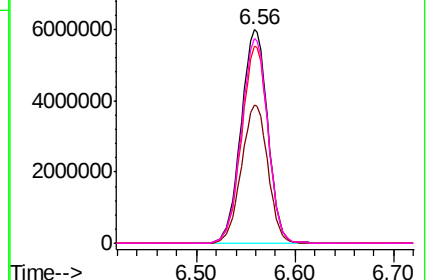
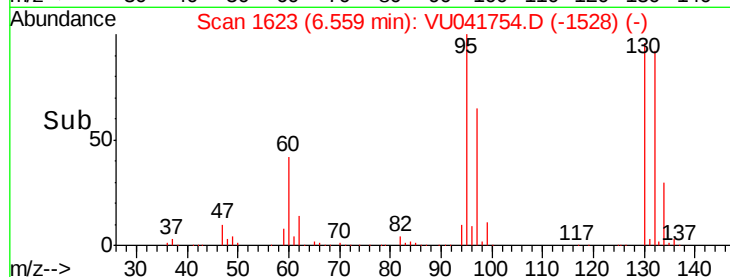


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.877 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041754.D

Acq: 22 Dec 2020 20:25

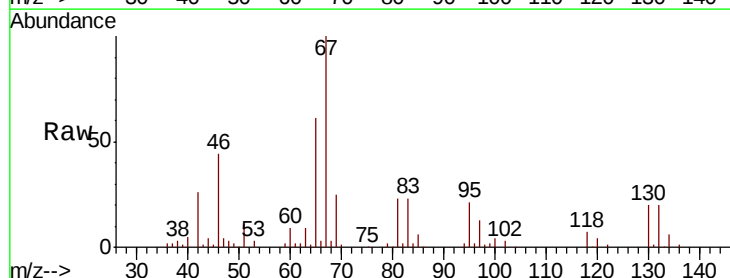
Tgt Ion: 83 Resp: 14507

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

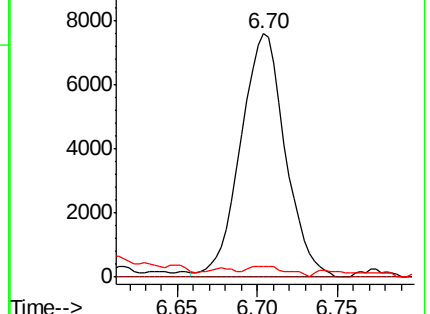
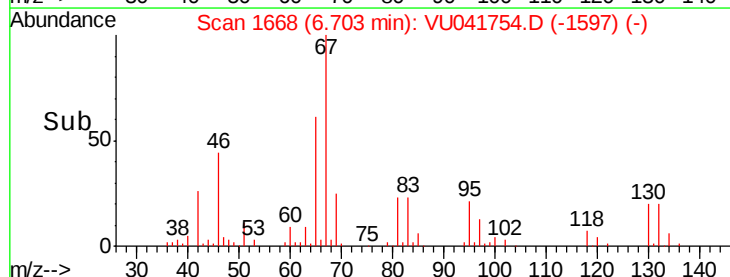
98 0.0 36.6 54.8#

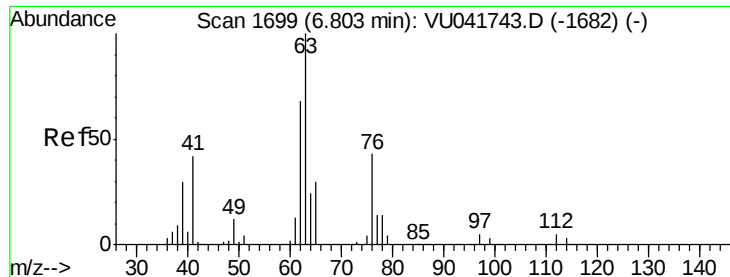


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

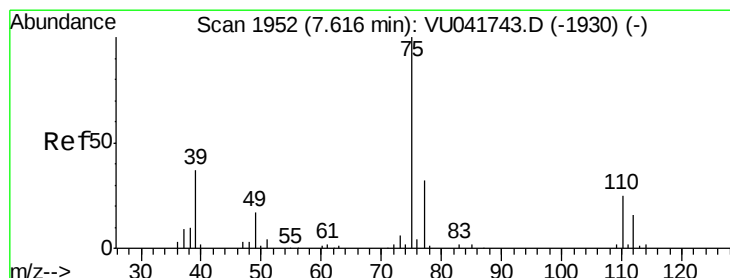
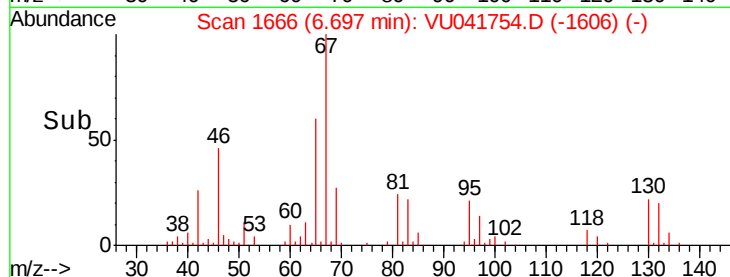
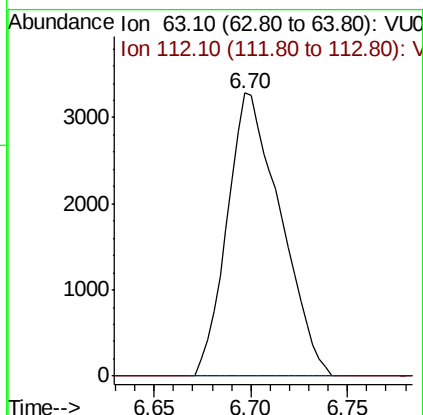
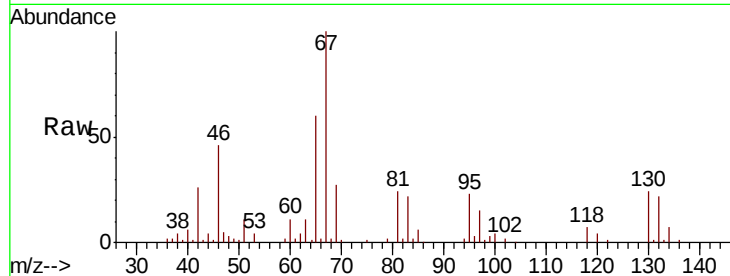




#37
 1,2-Dichloropropane
 Concen: 0.603 ug/L
 RT: 6.70 min Scan# 1666
 Delta R.T. -0.11 min
 Lab File: VU041754.D
 Acq: 22 Dec 2020 20:25

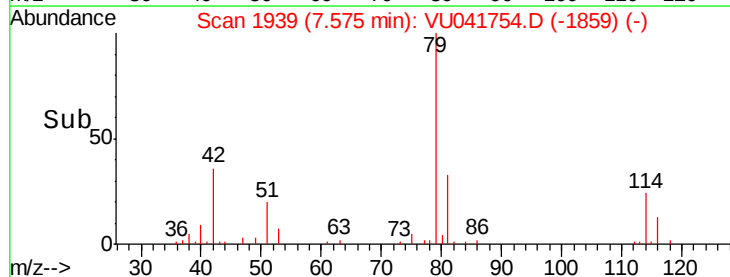
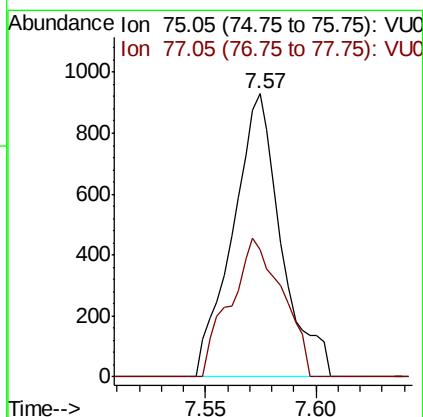
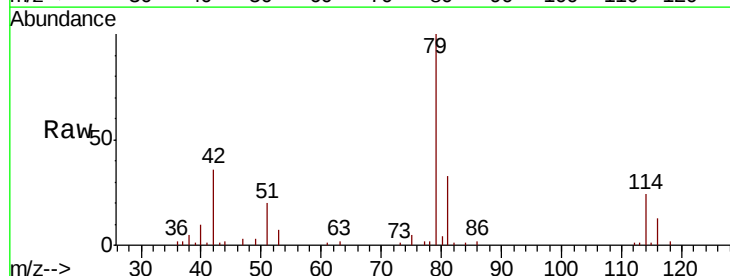
Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S5

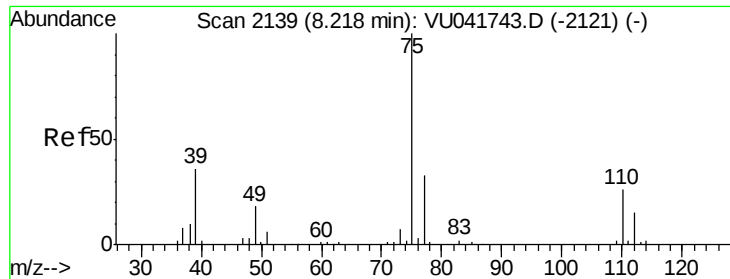
Tot Ion: 63 Resp: 6286
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041754.D
 Acq: 22 Dec 2020 20:25

Tgt Ion: 75 Resp: 1418
 Ion Ratio Lower Upper
 75 100
 77 45.0 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.059 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.04 min

Lab File: VU041754.D

Acq: 22 Dec 2020 20:25

Instrument :

MSVOA_U

ClientSampleId :

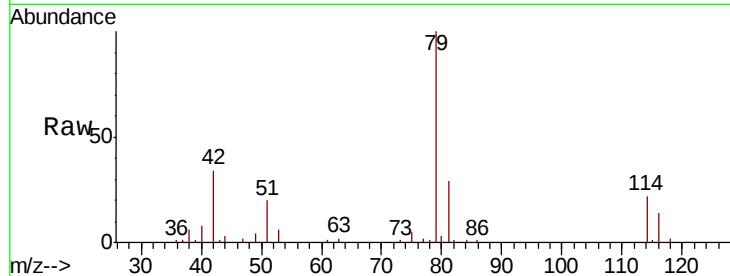
BG4S5

Tot Ion: 75 Resp: 818

Ion Ratio Lower Upper

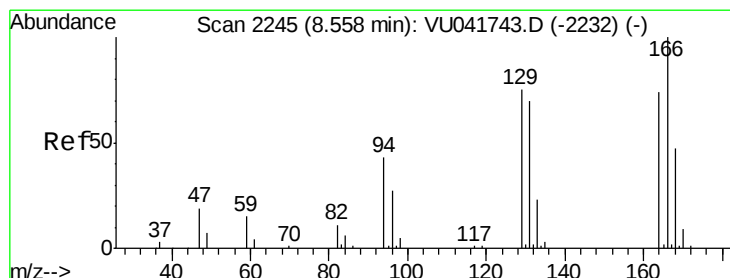
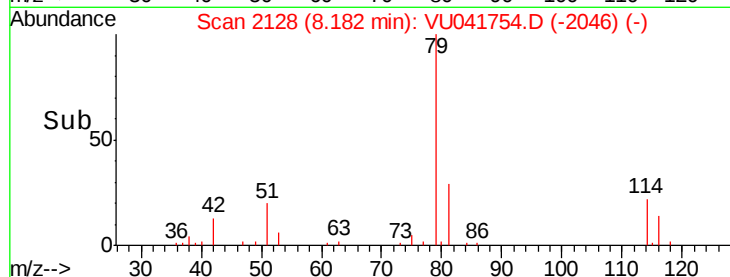
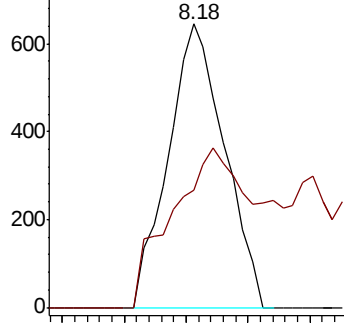
75 100

77 41.6 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 23.735 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041754.D

Acq: 22 Dec 2020 20:25

Tgt Ion:164 Resp: 170061

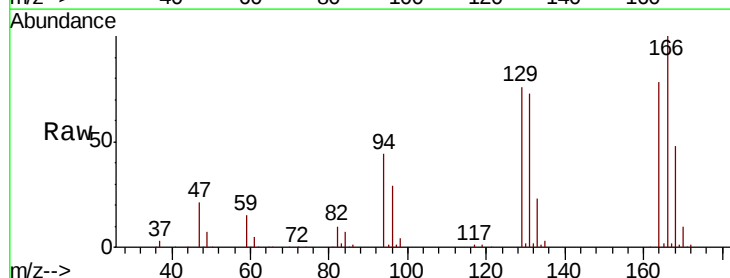
Ion Ratio Lower Upper

164 100

129 97.3 72.2 134.0

131 93.4 66.9 124.3

166 128.7 89.6 166.4

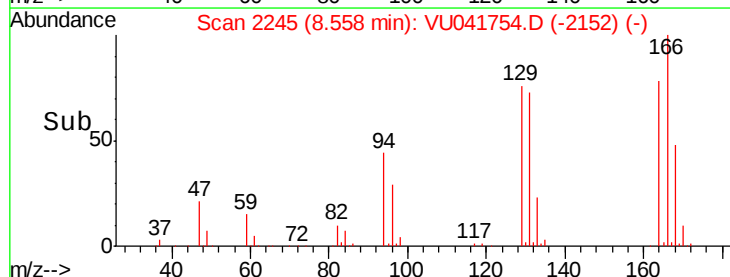
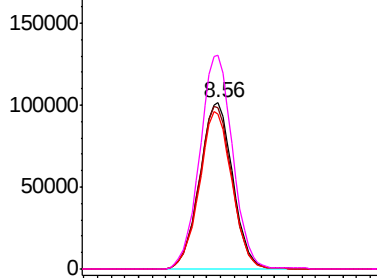


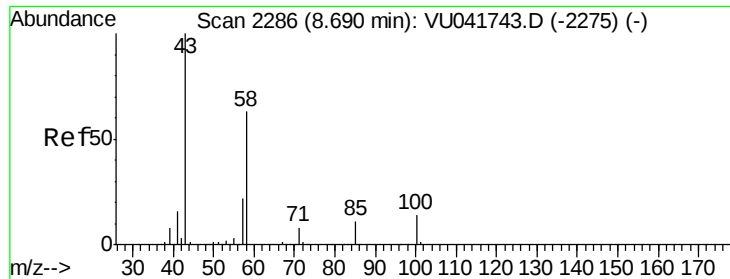
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

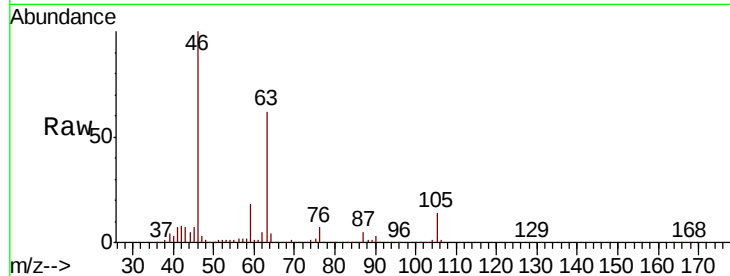




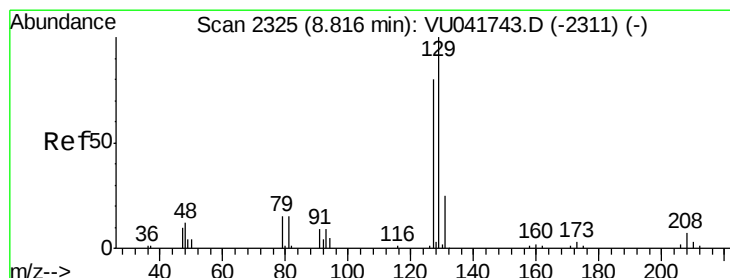
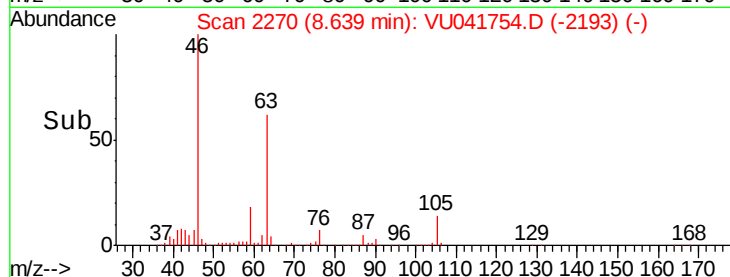
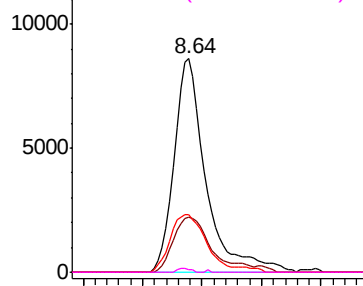
#48
2-Hexanone
Concen: 2.954 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041754.D
Acq: 22 Dec 2020 20:25

Instrument :
MSVOA_U
ClientSampleId :
BG4S5

Tot Ion	Ratio	Lower	Upper
43	100		
58	31.7	47.9	71.9#
57	30.3	16.5	24.7#
100	0.7	9.4	14.2#

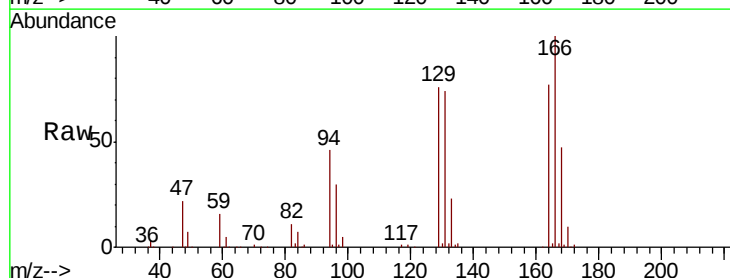


Abundance Ion 43.05 (42.75 to 43.75): VU041754.D (-2275) (-)

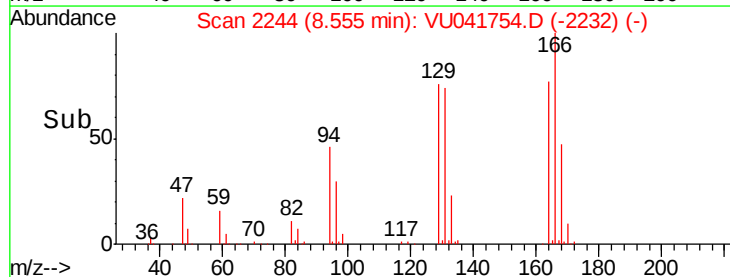
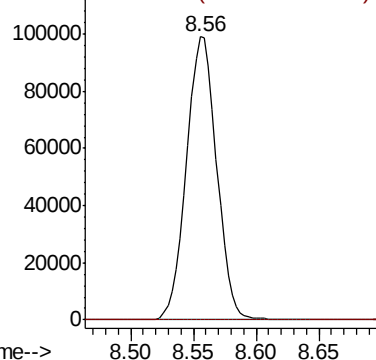


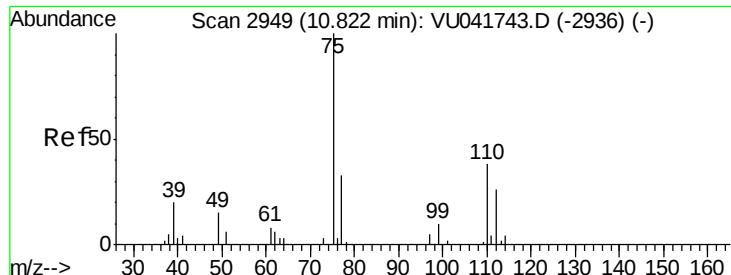
#49
Dibromochloromethane
Concen: 18.598 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041754.D
Acq: 22 Dec 2020 20:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.7#



Abundance Ion 128.95 (128.65 to 129.65): VU041754.D (-2232) (-)





#59

1,2,3-Trichloropropane

Concen: 0.783 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041754.D

Acq: 22 Dec 2020 20:25

Instrument :

MSVOA_U

ClientSampleId :

BG4S5

Tot Ion: 75 Resp: 6130

Ion Ratio Lower Upper

75 100

77 34.5 26.2 39.2

