

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122320\
 Data File : VU041790.D
 Acq On : 23 Dec 2020 18:33
 Operator : SY/MD
 Sample : L5185-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S1

Quant Time: Dec 24 01:13:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 24 01:08:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	124848	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	123439	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51238	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	36447	3.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.60%
7) Chloroethane-d5	1.92	69	39098	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.40%
11) 1,1-Dichloroethene-d2	2.58	63	59923	3.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.60%
20) 2-Butanone-d5	4.66	46	159890	57.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.06%
24) Chloroform-d	5.08	84	88482	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	5.72	65	48069	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.74	84	156722	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.70	67	53885	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.90	98	128317	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloropropene-	8.19	79	20234	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	8.64	63	131085	48.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.24%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50737	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	45605	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	687	0.067 ug/L	90
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	664	0.077 ug/L #	22
12) 1,1-Dichloroethene	2.59	96	2367	0.279 ug/L #	1
15) Methyl Acetate	2.76	43	407	0.088 ug/L #	51
19) 1,1-Dichloroethane	3.89	63	14758	0.901 ug/L	93
22) cis-1,2-Dichloroethene	4.68	96	8610	0.889 ug/L	97
25) Chloroform	5.11	83	7463	0.453 ug/L	85
29) 1,1,1-Trichloroethane	5.33	97	5122	0.361 ug/L	97
34) Trichloroethene	6.55	95	789971	79.633 ug/L	98
35) Methylcyclohexane	6.70	83	12087	0.754 ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5496	0.544 ug/L #	88
39) cis-1,3-Dichloropropene	7.56	75	1245	0.083 ug/L #	68
44) trans-1,3-Dichloropropene	8.18	75	713	0.053 ug/L #	9
47) Tetrachloroethene	8.56	164	8803	1.268 ug/L	94
48) 2-Hexanone	8.64	43	16280	3.113 ug/L #	65
49) Dibromochloromethane	8.56	129	8585	1.001 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5583	0.736 ug/L	93

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ALS Vial : 24 Sample Multiplier: 1

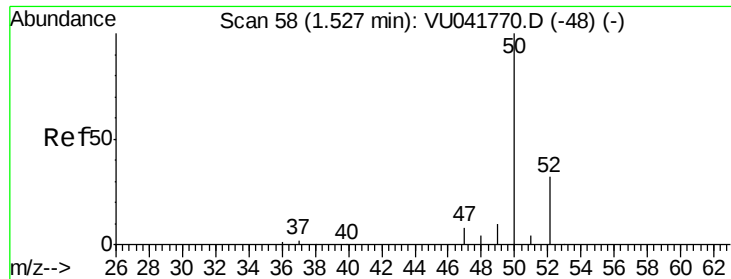
Instrument :
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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU122320\  
Data File : VU041790.D  
Acq On    : 23 Dec 2020  18:33  
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Sample    : L5185-09  
Misc      : 25.0mL/MSVOA U/WATER  
ALS Vial  : 24    Sample Multiplier: 1
```



#3

Chloromethane

Concen: 0.067 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041790.D

Acq: 23 Dec 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

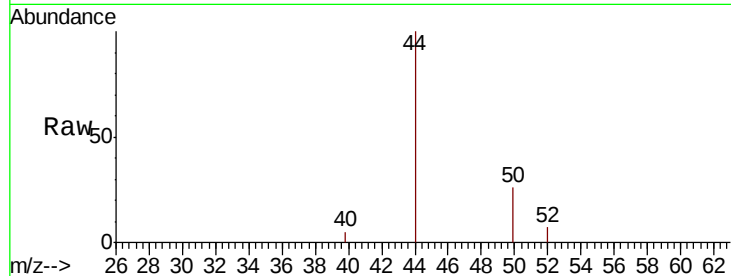
BG4S1

Tot Ion: 50 Resp: 687

Ion Ratio Lower Upper

50 100

52 28.9 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041770.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU041770.D (-48) (-)

1.53

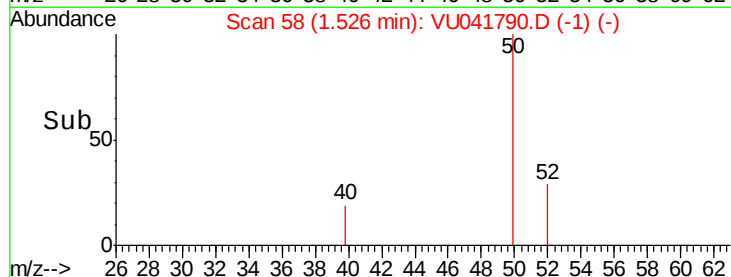
600

400

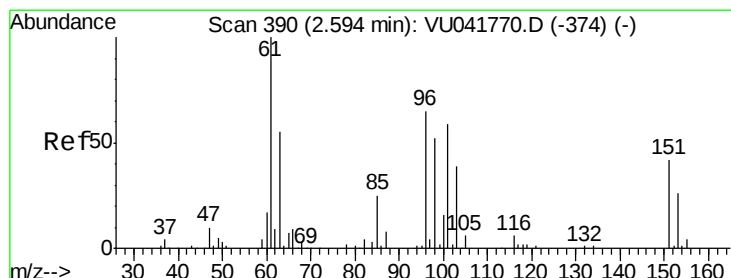
200

0

1.48 1.50 1.52 1.54 1.56



Time-->



#10

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

Concen: 0.077 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041790.D

Acq: 23 Dec 2020 18:33

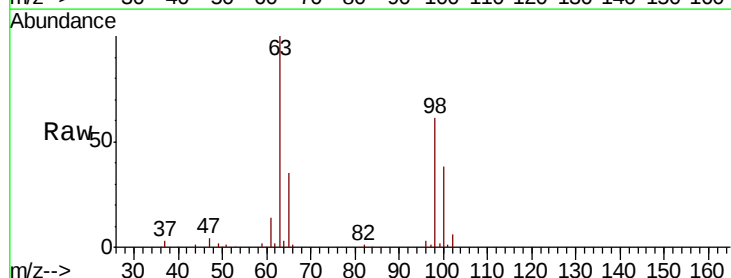
Tgt Ion:101 Resp: 664

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): VU041770.D (-374) (-)

Ion 85.00 (84.70 to 85.70): VU041770.D (-374) (-)

Ion 151.00 (150.70 to 151.70): VU041770.D (-374) (-)

2.58

600

500

400

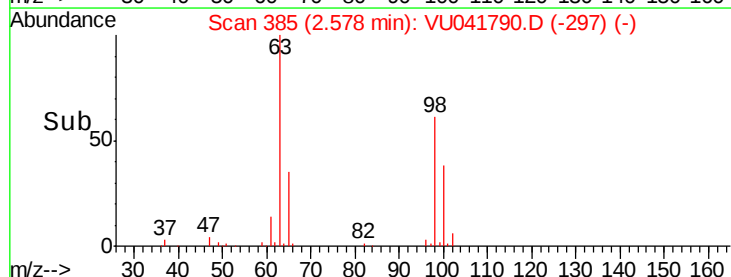
300

200

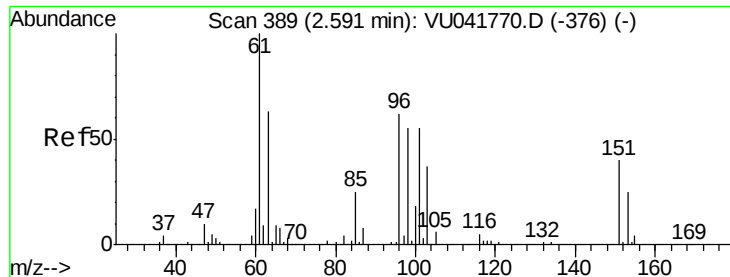
100

0

2.54 2.56 2.58 2.60 2.62



Time-->



#12

1,1-Dichloroethene

Concen: 0.279 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041790.D

Acq: 23 Dec 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

BG4S1

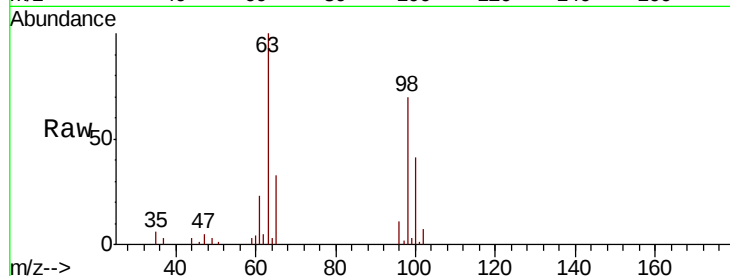
Tot Ion: 96 Resp: 2367

Ion Ratio Lower Upper

96 100

61 207.1 123.8 230.0

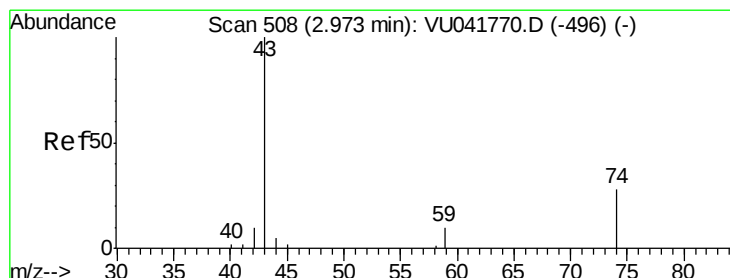
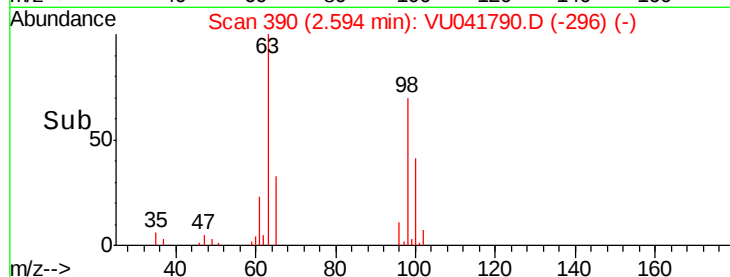
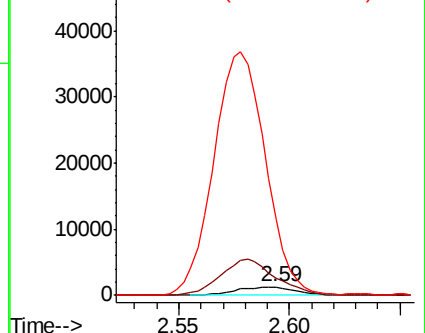
63 888.5 81.0 150.4#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#15

Methyl Acetate

Concen: 0.088 ug/L

RT: 2.76 min Scan# 443

Delta R.T. -0.21 min

Lab File: VU041790.D

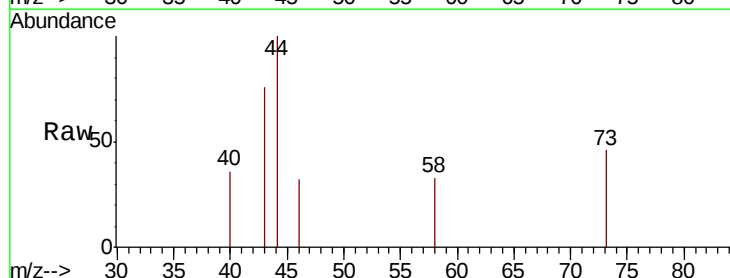
Acq: 23 Dec 2020 18:33

Tgt Ion: 43 Resp: 407

Ion Ratio Lower Upper

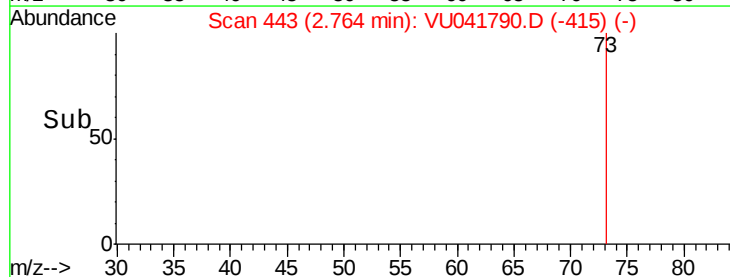
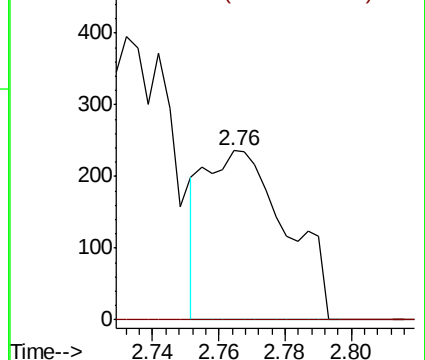
43 100

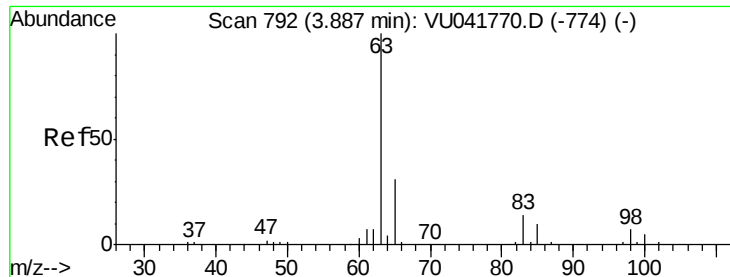
74 0.0 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

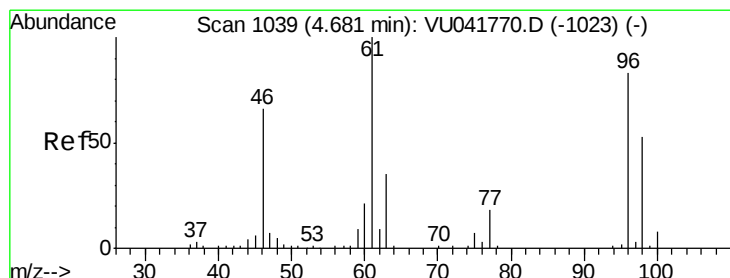
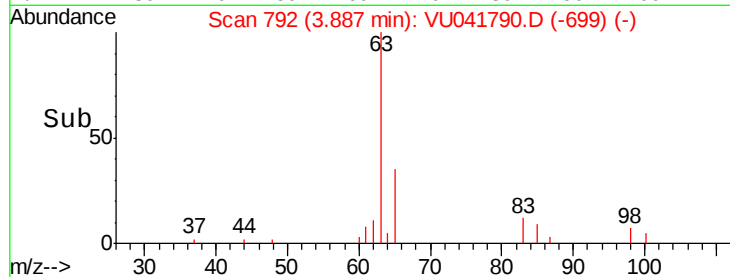
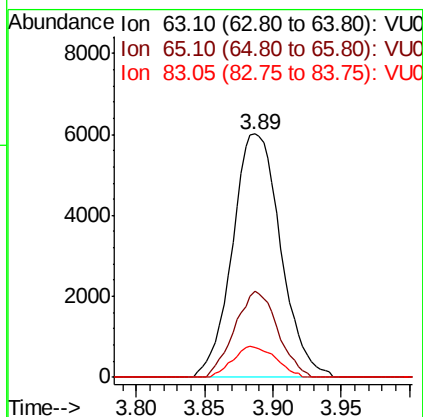
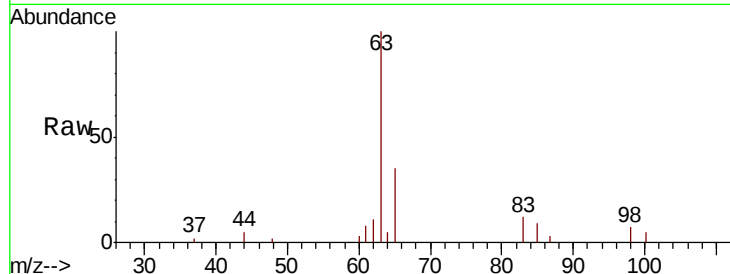




#19
 1,1-Dichloroethane
 Concen: 0.901 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041790.D
 Acq: 23 Dec 2020 18:33

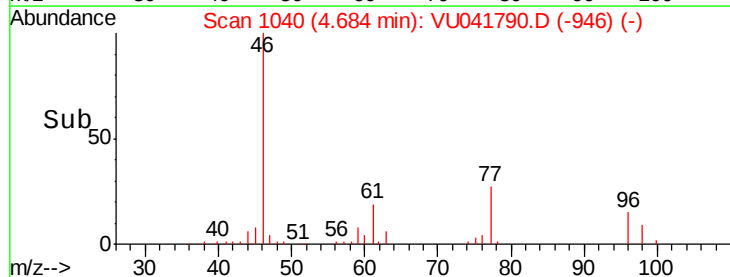
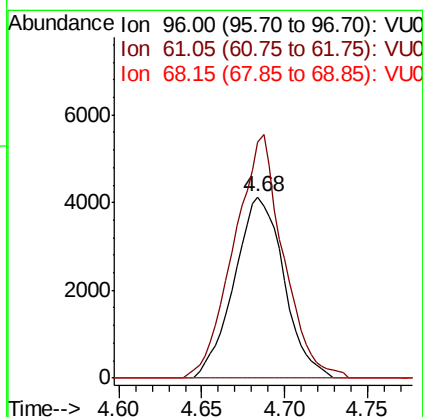
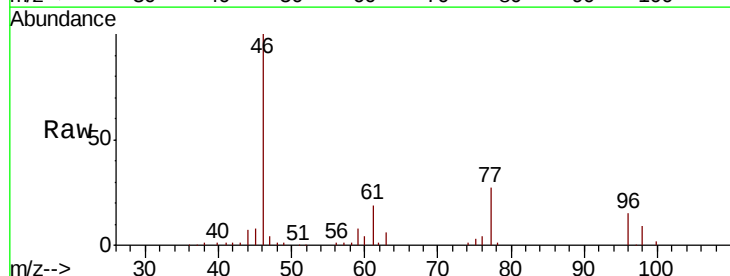
Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S1

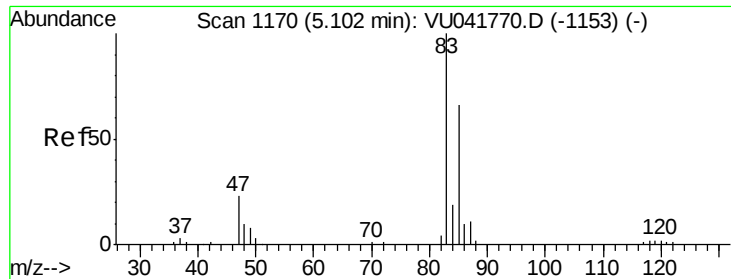
Tot Ion: 63 Resp: 14758
 Ion Ratio Lower Upper
 63 100
 65 35.3 21.3 39.6
 83 12.4 9.3 17.3



#22
 cis-1,2-Dichloroethene
 Concen: 0.889 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU041790.D
 Acq: 23 Dec 2020 18:33

Tgt Ion: 96 Resp: 8610
 Ion Ratio Lower Upper
 96 100
 61 130.7 88.8 165.0
 68 0.0 0.0 0.0

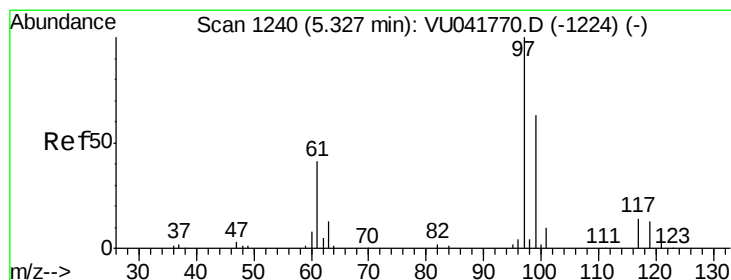
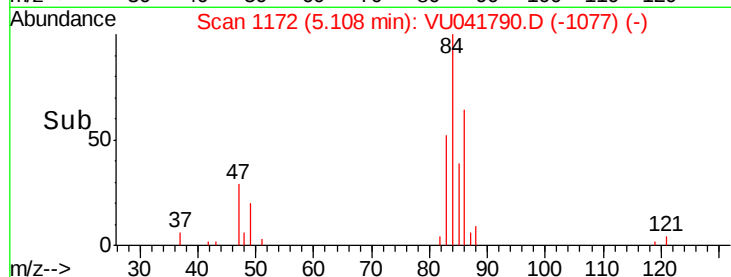
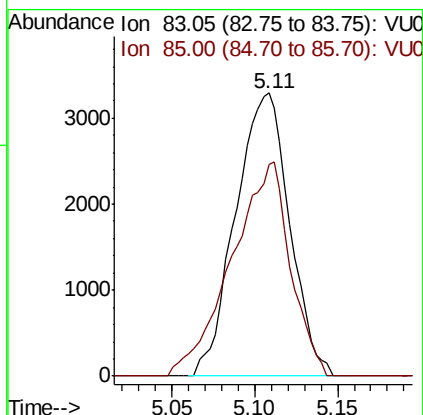
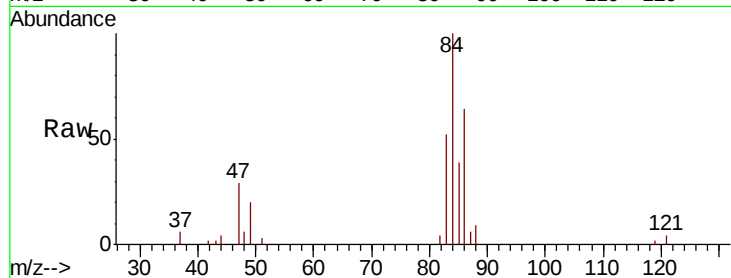




#25
Chloroform
Concen: 0.453 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU041790.D
Acq: 23 Dec 2020 18:33

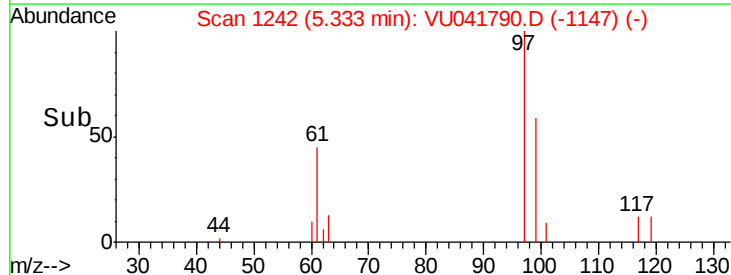
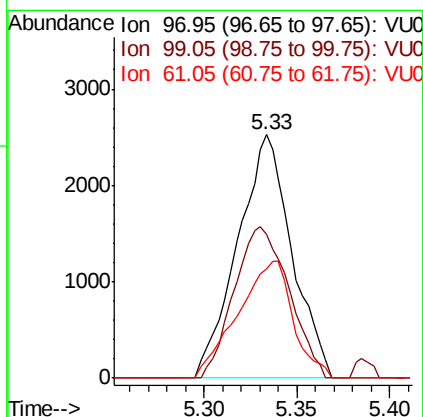
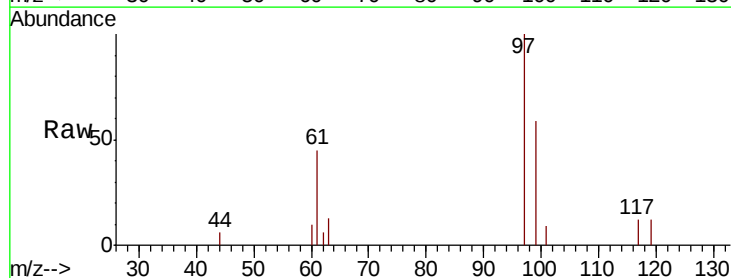
Instrument :
MSVOA_U
ClientSampleId :
BG4S1

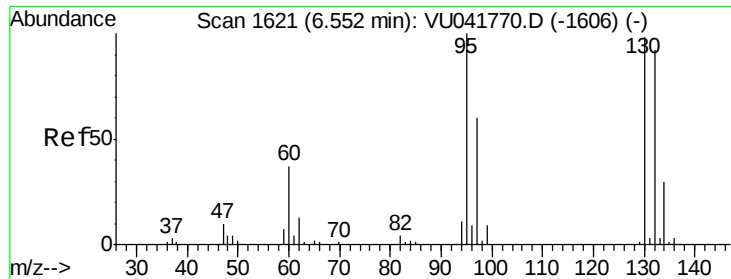
Tot Ion: 83 Resp: 7463
Ion Ratio Lower Upper
83 100
85 74.8 44.2 82.0



#29
1,1,1-Trichloroethane
Concen: 0.361 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VU041790.D
Acq: 23 Dec 2020 18:33

Tgt Ion: 97 Resp: 5122
Ion Ratio Lower Upper
97 100
99 62.7 51.3 76.9
61 49.1 36.5 54.7

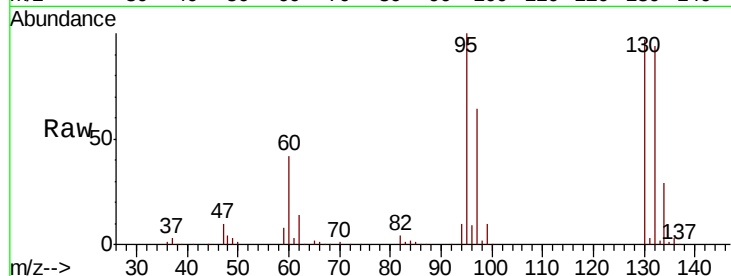




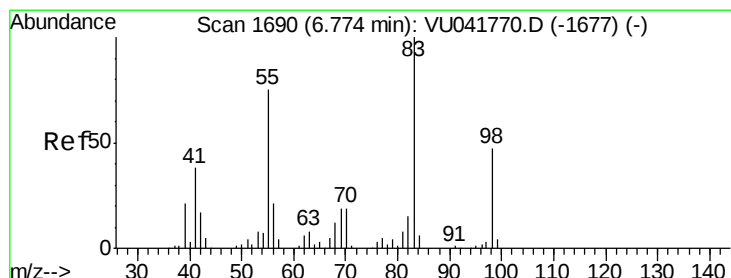
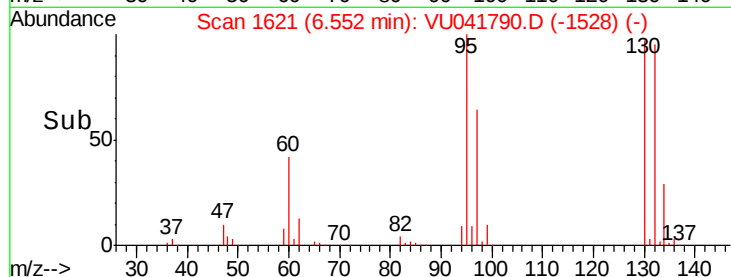
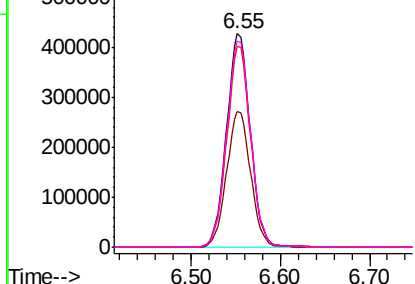
#34
Trichloroethene
Concen: 79.633 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VU041790.D
Acq: 23 Dec 2020 18:33

Instrument :
MSVOA_U
ClientSampleId :
BG4S1

Tot Ion: 95 Resp: 789971
Ion Ratio Lower Upper
95 100
97 63.8 43.9 81.5
132 94.1 63.1 117.3
130 96.6 67.4 125.2

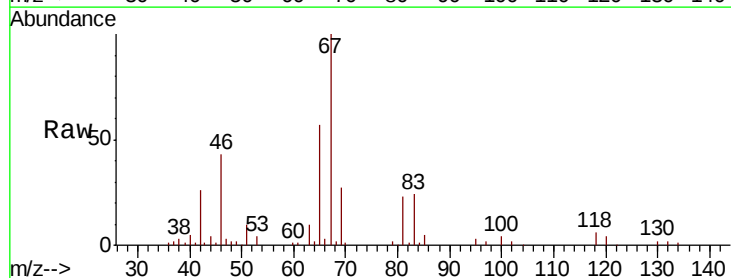


Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 96.95 (96.65 to 97.65): VU0
Ion 131.95 (131.65 to 132.65): V
Ion 129.95 (129.65 to 130.65): V

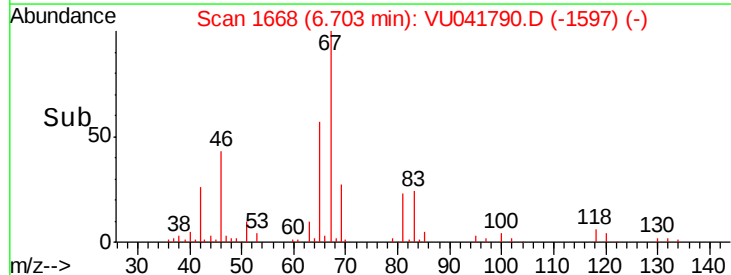
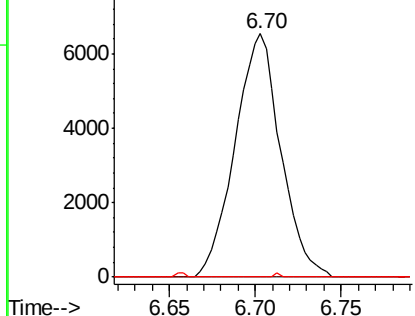


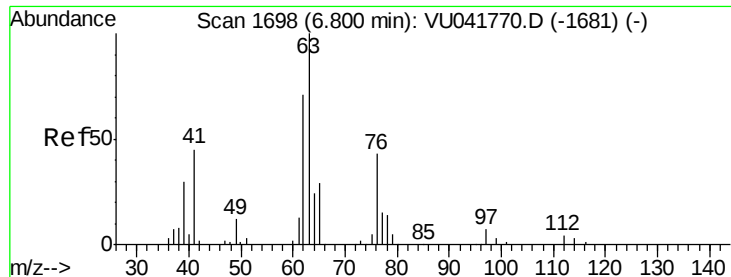
#35
Methylcyclohexane
Concen: 0.754 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041790.D
Acq: 23 Dec 2020 18:33

Tgt Ion: 83 Resp: 12087
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

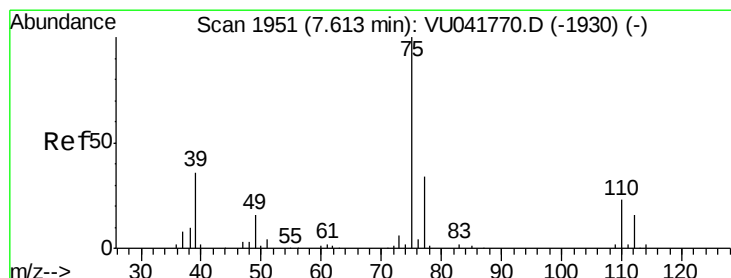
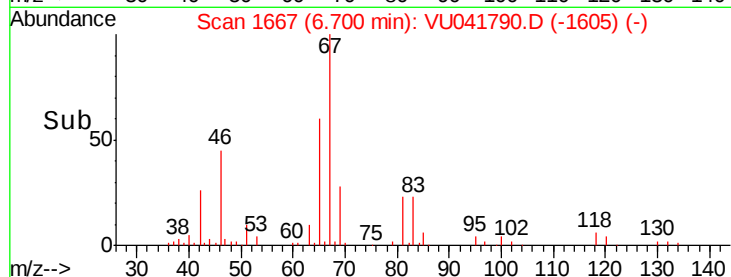
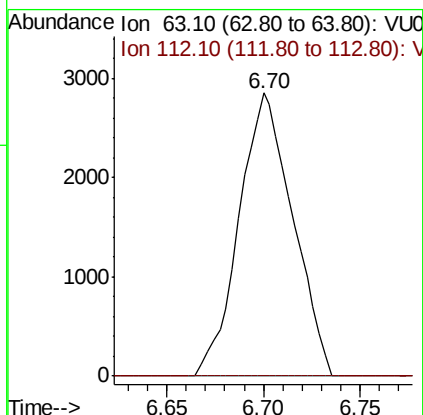
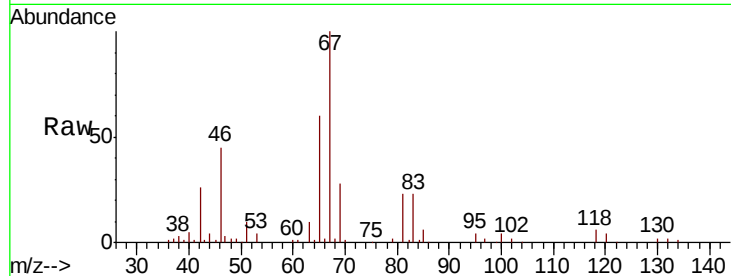




#37
 1,2-Dichloropropane
 Concen: 0.544 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041790.D
 Acq: 23 Dec 2020 18:33

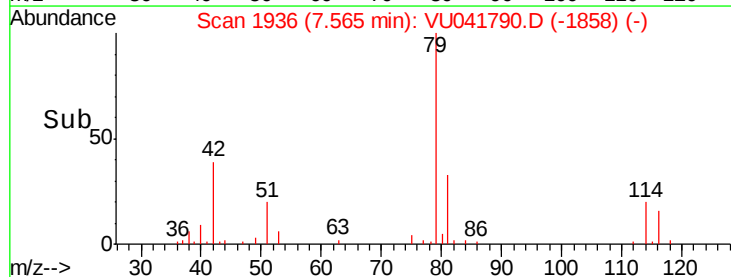
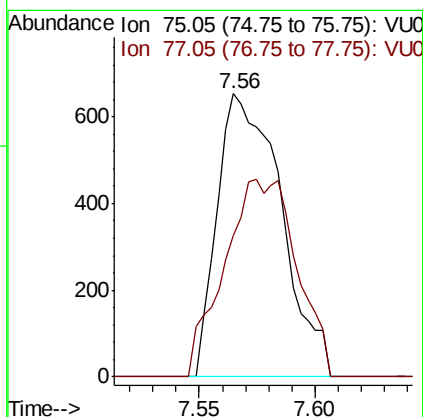
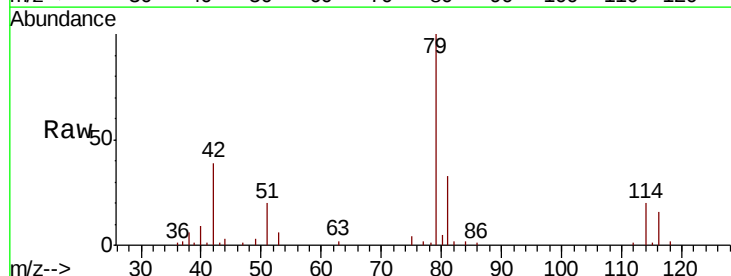
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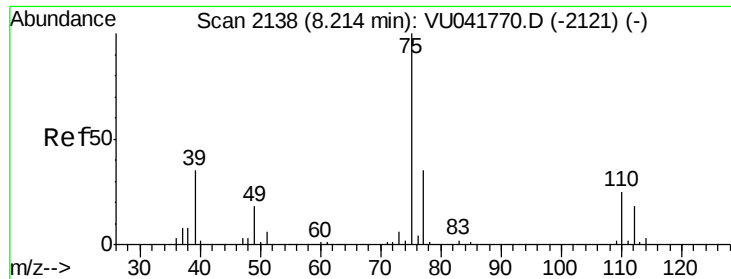
Tot Ion: 63 Resp: 5496
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 7.56 min Scan# 1936
 Delta R.T. -0.05 min
 Lab File: VU041790.D
 Acq: 23 Dec 2020 18:33

Tgt Ion: 75 Resp: 1245
 Ion Ratio Lower Upper
 75 100
 77 49.8 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.053 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041790.D

Acq: 23 Dec 2020 18:33

Instrument :

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ClientSampleId :

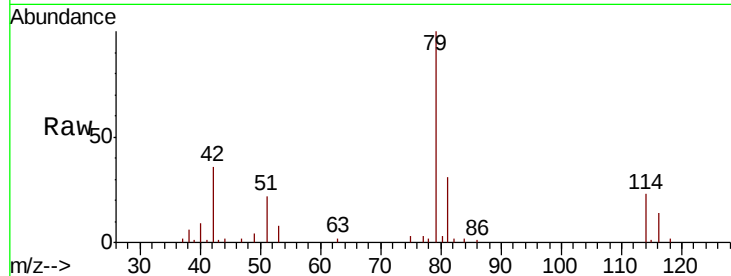
BG4S1

Tot Ion: 75 Resp: 713

Ion Ratio Lower Upper

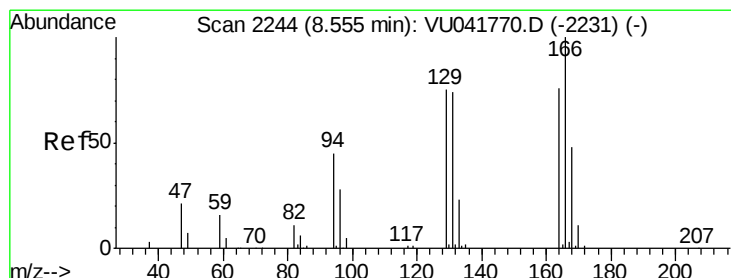
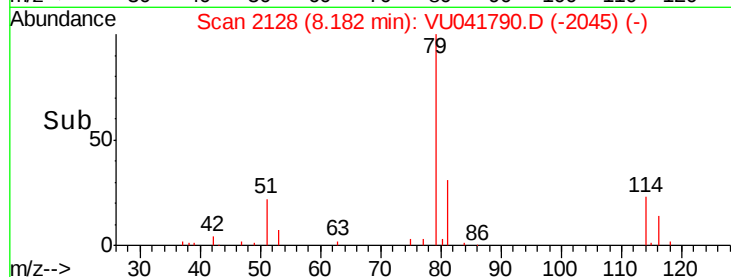
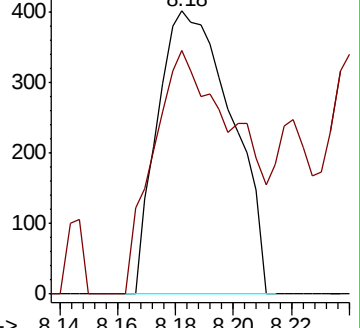
75 100

77 86.1 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU041790.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU041790.D (-2121) (-)



#47

Tetrachloroethene

Concen: 1.268 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041790.D

Acq: 23 Dec 2020 18:33

Tgt Ion:164 Resp: 8803

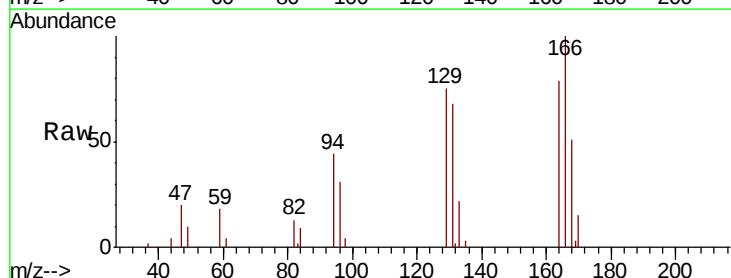
Ion Ratio Lower Upper

164 100

129 94.7 72.2 134.0

131 85.8 66.9 124.3

166 126.4 89.6 166.4

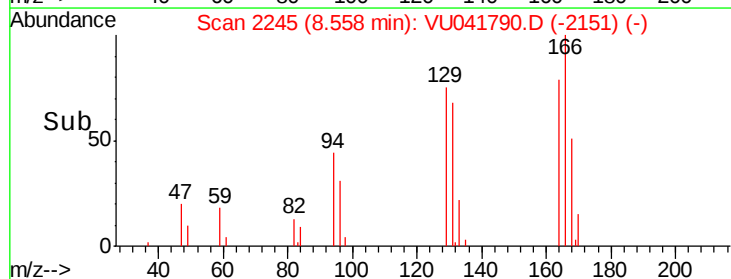
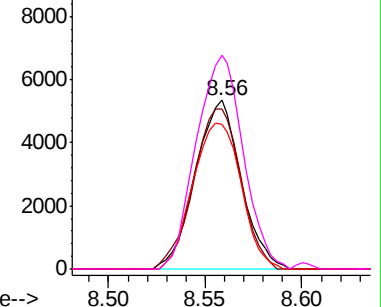


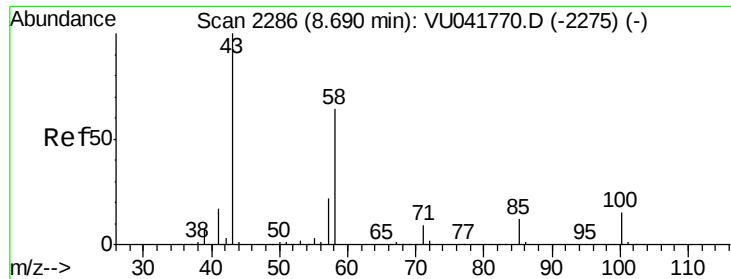
Abundance Ion 163.90 (163.60 to 164.60): VU041790.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU041790.D (-2231) (-)

Ion 130.95 (130.65 to 131.65): VU041790.D (-2231) (-)

Ion 165.90 (165.60 to 166.60): VU041790.D (-2231) (-)

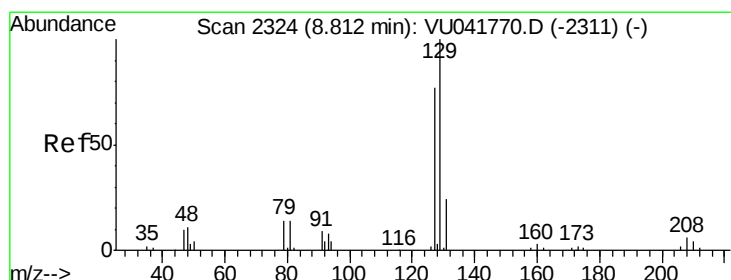
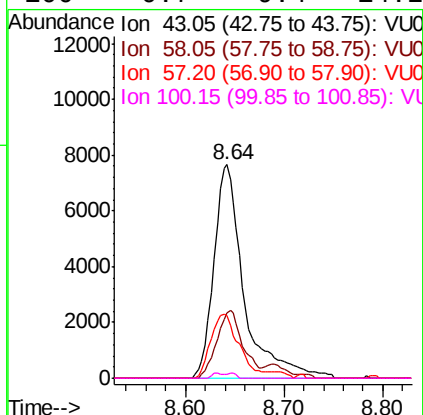
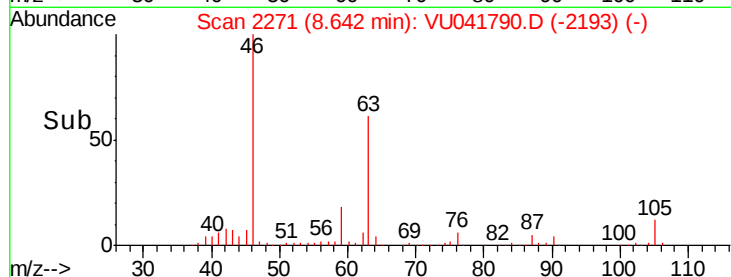
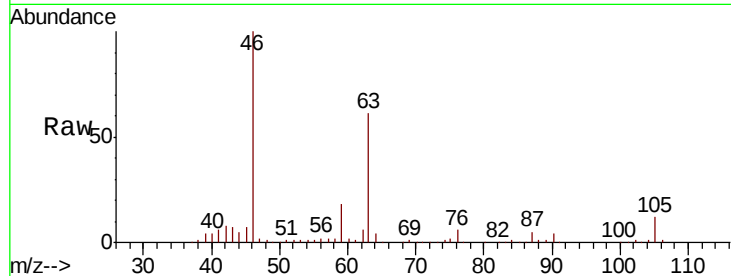




#48
2-Hexanone
Concen: 3.113 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041790.D
Acq: 23 Dec 2020 18:33

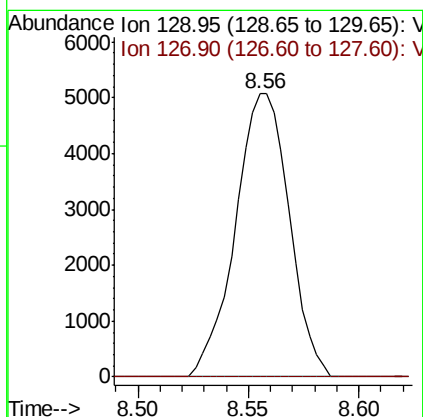
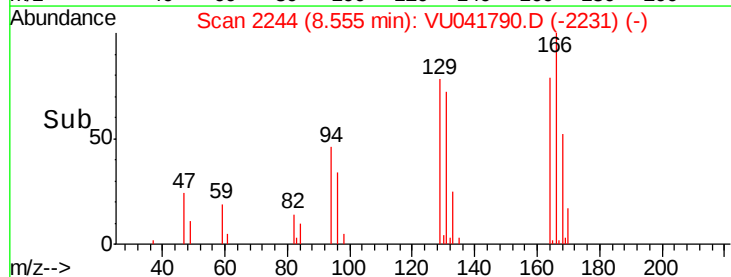
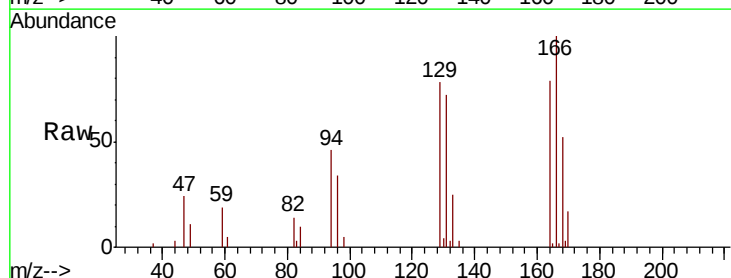
Instrument :
MSVOA_U
ClientSampleId :
BG4S1

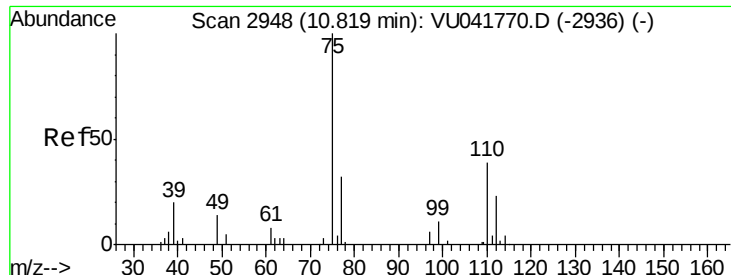
Tot Ion: 43 Resp: 16280
Ion Ratio Lower Upper
43 100
58 27.9 47.9 71.9#
57 28.4 16.5 24.7#
100 0.7 9.4 14.2#



#49
Dibromochloromethane
Concen: 1.001 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041790.D
Acq: 23 Dec 2020 18:33

Tgt Ion: 129 Resp: 8585
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#





#59

1,2,3-Trichloropropane

Concen: 0.736 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041790.D

Acq: 23 Dec 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

BG4S1

Tot Ion: 75 Resp: 5583

Ion Ratio Lower Upper

75 100

77 36.7 26.2 39.2

