

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122220\
 Data File : VU041739.D
 Acq On : 22 Dec 2020 14:14
 Operator : SY/MD
 Sample : L5185-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S2

Quant Time: Dec 23 04:08:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 23 04:05:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	131976	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	129911	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	59118	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	35635	3.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.00%
7) Chloroethane-d5	1.92	69	41045	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.58	63	67650	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.66	46	172984	58.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.74%
24) Chloroform-d	5.08	84	88135	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.72	65	51778	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.74	84	172226	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.70	67	57227	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.90	98	143640	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	8.19	79	23016	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.64	63	154162	53.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.54%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	56900	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	56247	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	630	0.058 ug/L	90
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	448	0.049 ug/L #	22
12) 1,1-Dichloroethene	2.58	96	2696	0.301 ug/L #	1
13) Acetone	2.67	43	2306	1.223 ug/L	75
19) 1,1-Dichloroethane	3.89	63	13440	0.777 ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	2114	0.207 ug/L	74
25) Chloroform	5.10	83	5447	0.313 ug/L	88
29) 1,1,1-Trichloroethane	5.33	97	7766	0.521 ug/L	96
31) Carbon tetrachloride	5.33	117	879	0.068 ug/L	87
34) Trichloroethene	6.55	95	20505	1.964 ug/L	94
35) Methylcyclohexane	6.70	83	14226	0.843 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5830	0.549 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1422	0.090 ug/L #	53
44) trans-1,3-Dichloropropene	8.19	75	956	0.068 ug/L #	43
47) Tetrachloroethene	8.56	164	2472	0.338 ug/L	92
48) 2-Hexanone	8.64	43	16949	3.080 ug/L #	67
49) Dibromochloromethane	8.56	129	2521	0.279 ug/L #	10

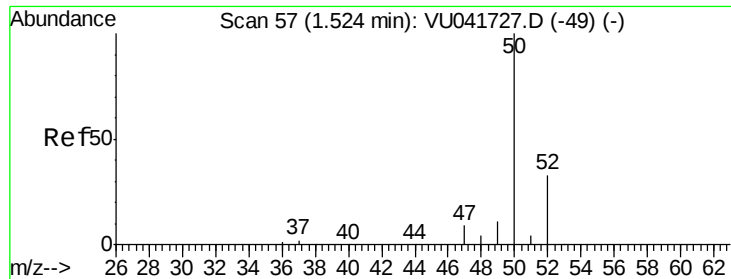
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122220\
Data File : VU041739.D
Acq On : 22 Dec 2020 14:14
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BG4S2

Quant Time: Dec 23 04:08:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 23 04:05:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	6014	0.754	ug/L	97

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



#3

Chloromethane

Concen: 0.058 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041739.D

Acq: 22 Dec 2020 14:14

Instrument :

MSVOA_U

ClientSampleId :

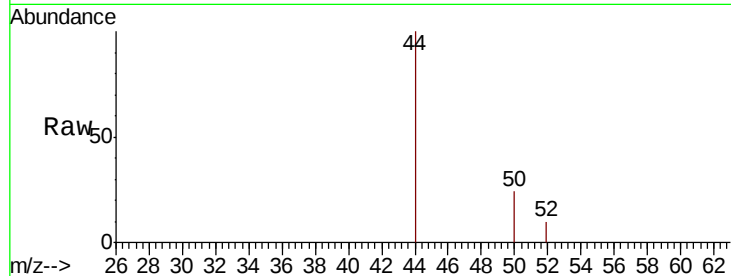
BG4S2

Tot Ion: 50 Resp: 630

Ion Ratio Lower Upper

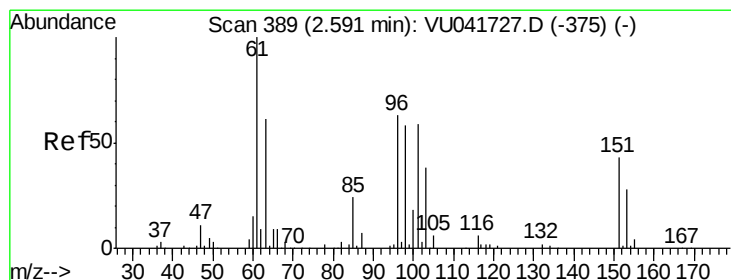
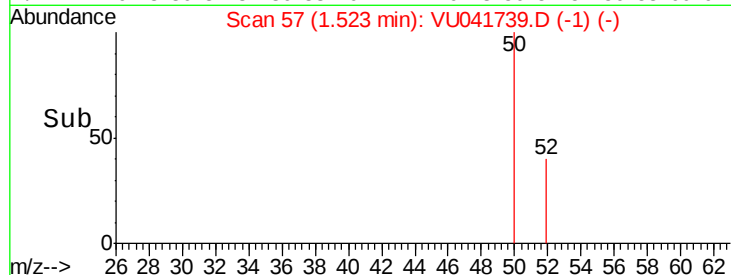
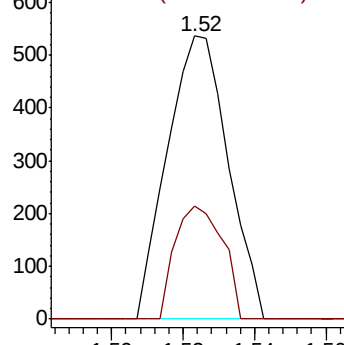
50 100

52 40.1 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#10

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

Concen: 0.049 ug/L

RT: 2.57 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU041739.D

Acq: 22 Dec 2020 14:14

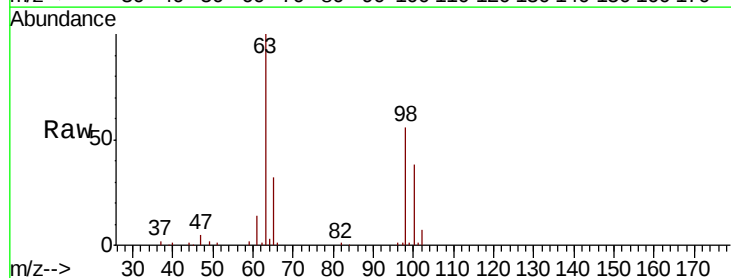
Tgt Ion: 101 Resp: 448

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

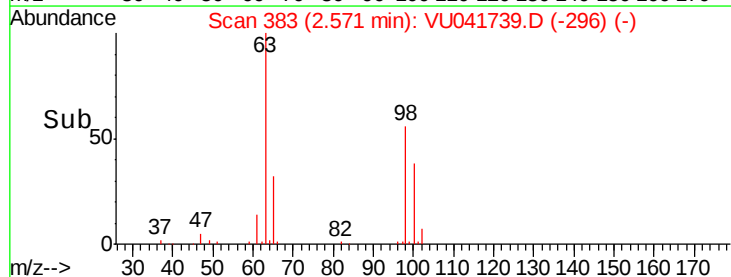
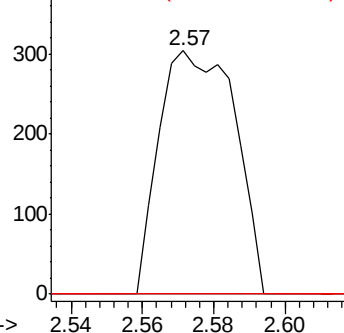
151 0.0 56.2 84.4#

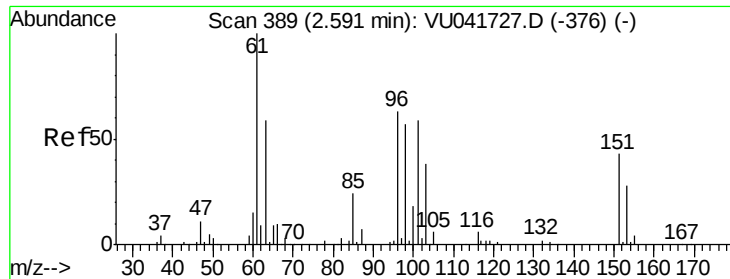


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

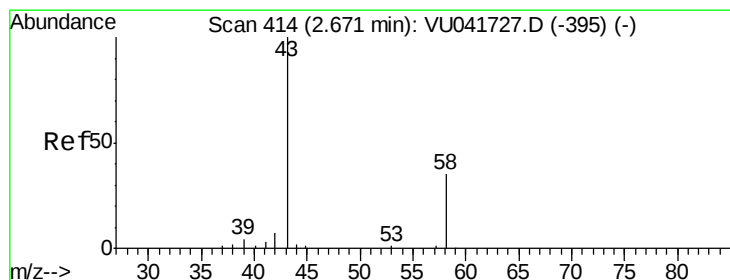
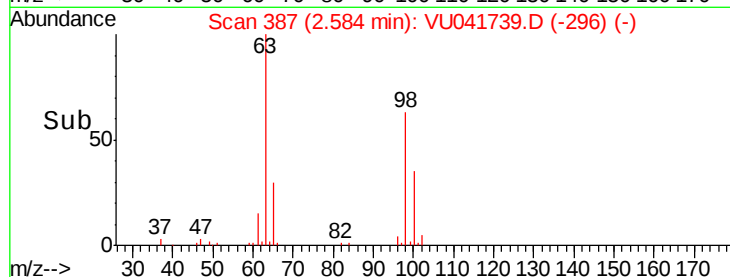
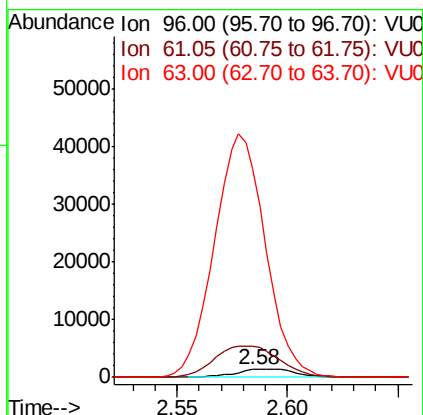
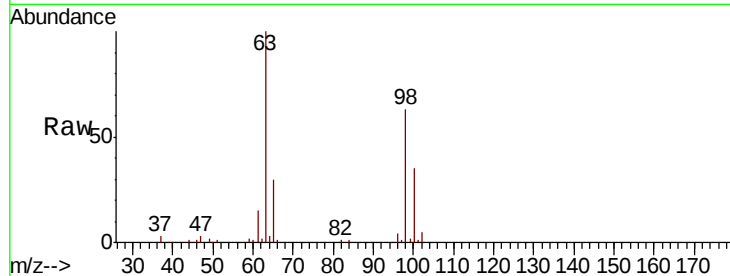




#12
 1,1-Dichloroethene
 Concen: 0.301 ug/L
 RT: 2.58 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VU041739.D
 Acq: 22 Dec 2020 14:14

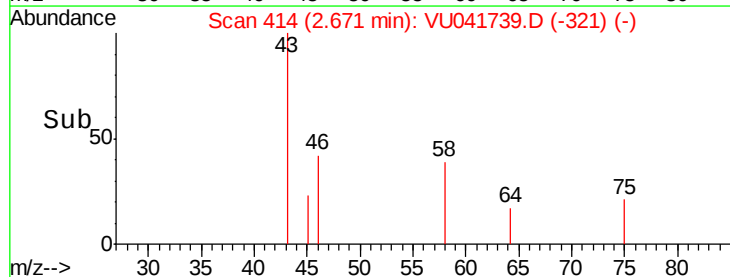
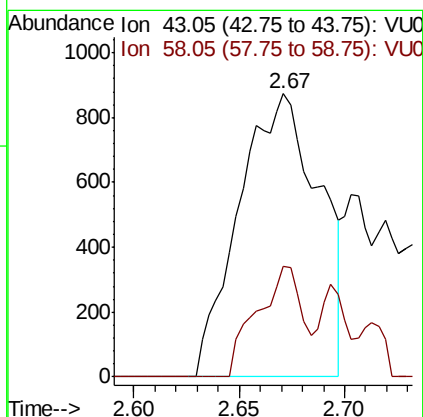
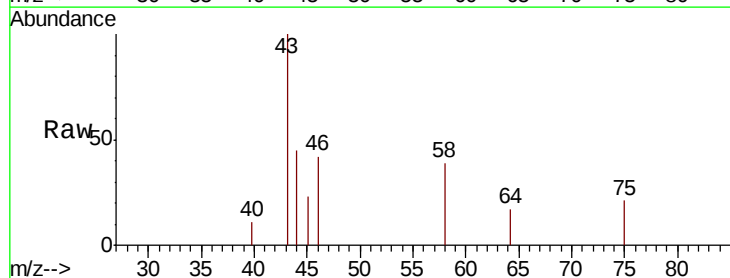
Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S2

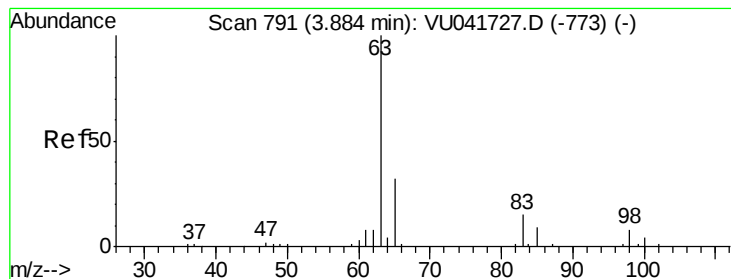
Tot Ion: 96 Resp: 2696
 Ion Ratio Lower Upper
 96 100
 61 390.2 123.8 230.0#
 63 2588.4 81.0 150.4#



#13
 Acetone
 Concen: 1.223 ug/L
 RT: 2.67 min Scan# 414
 Delta R.T. -0.00 min
 Lab File: VU041739.D
 Acq: 22 Dec 2020 14:14

Tgt Ion: 43 Resp: 2306
 Ion Ratio Lower Upper
 43 100
 58 21.8 0.0 73.2





#19

1,1-Dichloroethane

Concen: 0.777 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.01 min

Lab File: VU041739.D

Acq: 22 Dec 2020 14:14

Instrument :

MSVOA_U

ClientSampleId :

BG4S2

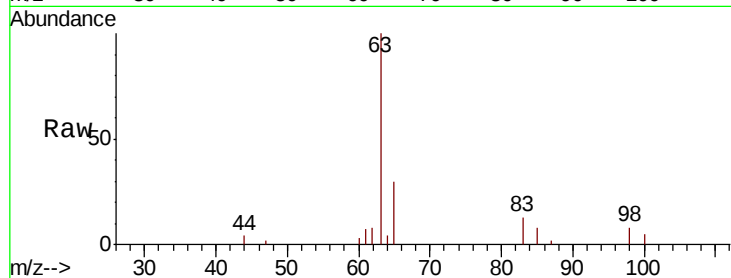
Tot Ion: 63 Resp: 13440

Ion Ratio Lower Upper

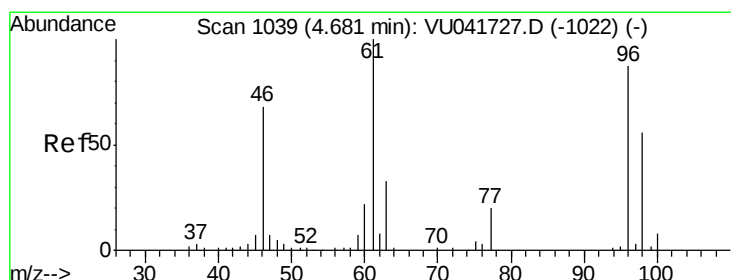
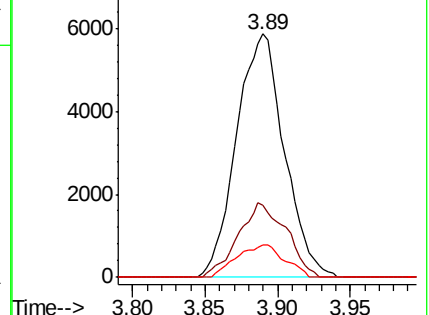
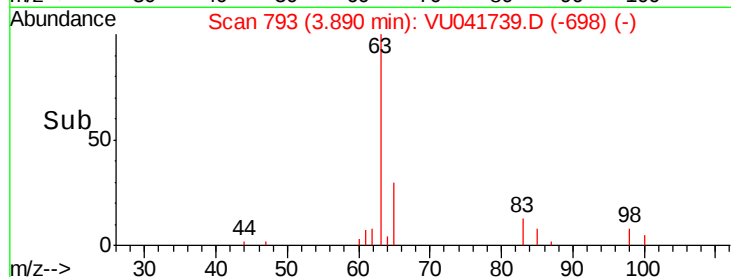
63 100

65 29.6 21.3 39.6

83 13.3 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU041739.D (-698) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.207 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041739.D

Acq: 22 Dec 2020 14:14

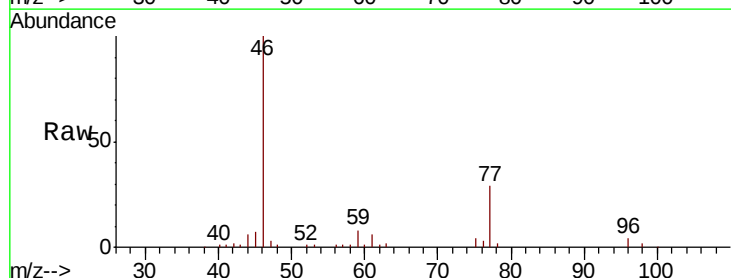
Tgt Ion: 96 Resp: 2114

Ion Ratio Lower Upper

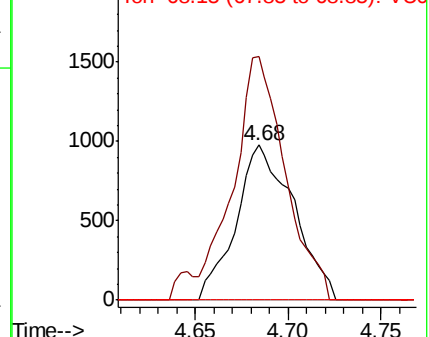
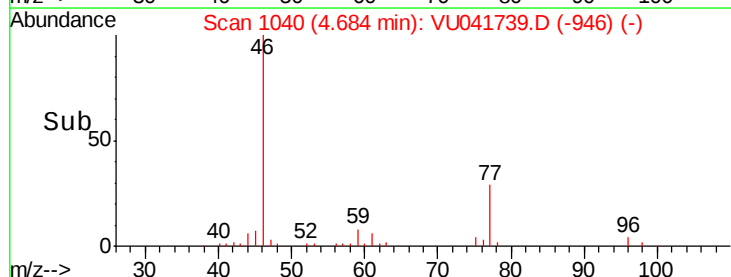
96 100

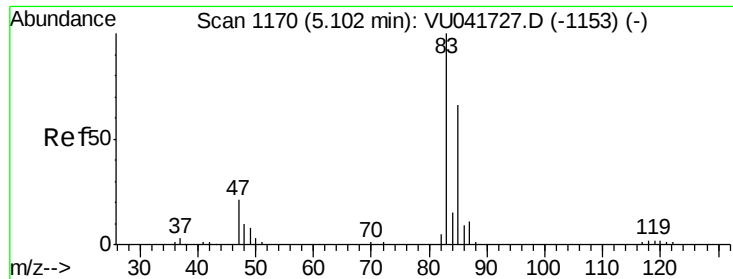
61 157.3 88.8 165.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041739.D (-946) (-)

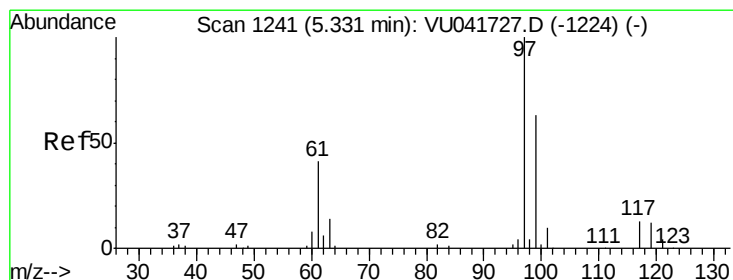
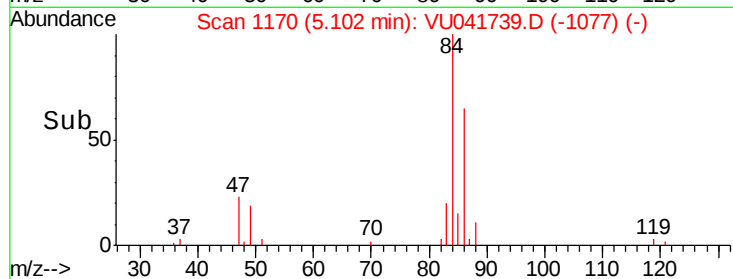
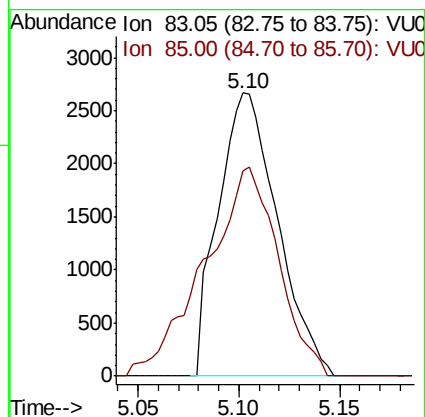
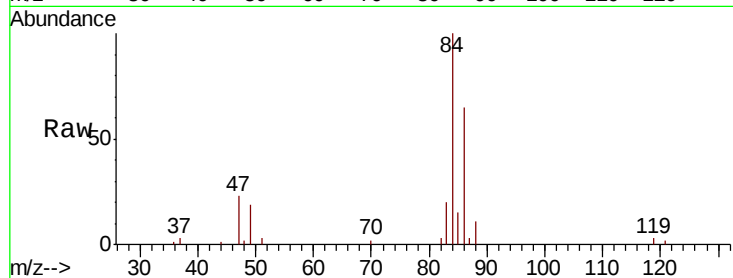




#25
Chloroform
Concen: 0.313 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041739.D
Acq: 22 Dec 2020 14:14

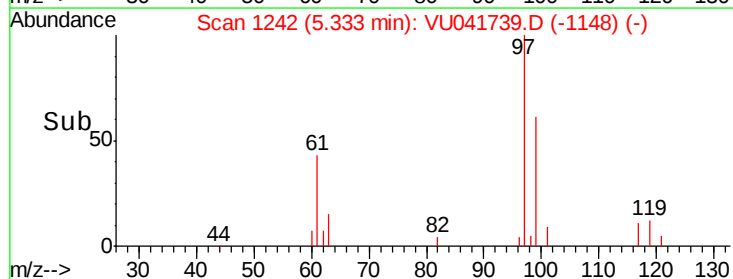
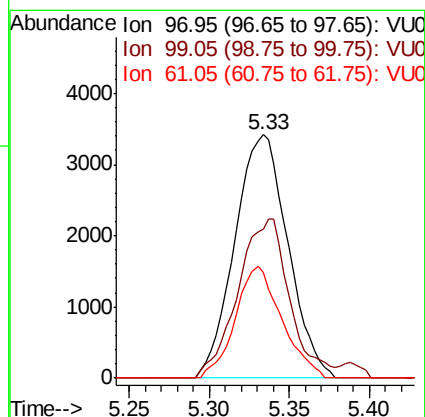
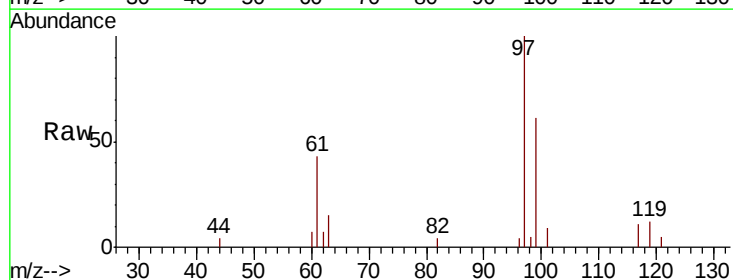
Instrument :
MSVOA_U
ClientSampled :
BG4S2

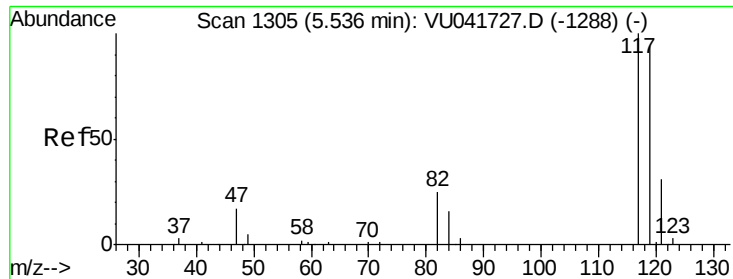
Tot Ion: 83 Resp: 5447
Ion Ratio Lower Upper
83 100
85 72.5 44.2 82.0



#29
1,1,1-Trichloroethane
Concen: 0.521 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041739.D
Acq: 22 Dec 2020 14:14

Tgt Ion: 97 Resp: 7766
Ion Ratio Lower Upper
97 100
99 63.7 51.3 76.9
61 40.1 36.5 54.7





#31

Carbon tetrachloride

Concen: 0.068 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. -0.21 min

Lab File: VU041739.D

Acq: 22 Dec 2020 14:14

Instrument :

MSVOA_U

ClientSampleId :

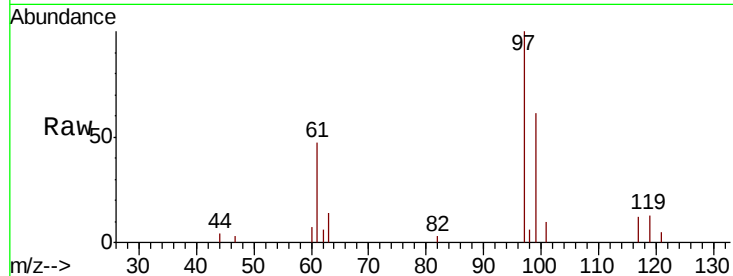
BG4S2

Tot Ion:117 Resp: 879

Ion Ratio Lower Upper

117 100

119 108.3 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.33

400

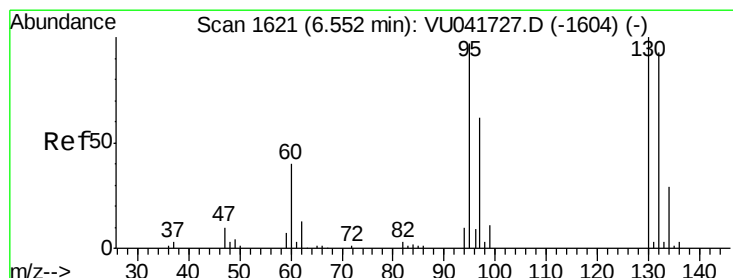
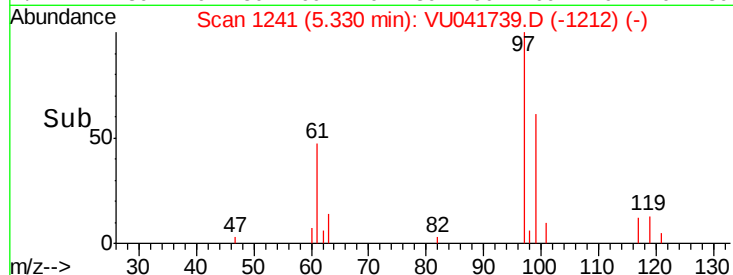
300

200

100

0

Time-->



#34

Trichloroethene

Concen: 1.964 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041739.D

Acq: 22 Dec 2020 14:14

Tgt Ion: 95 Resp: 20505

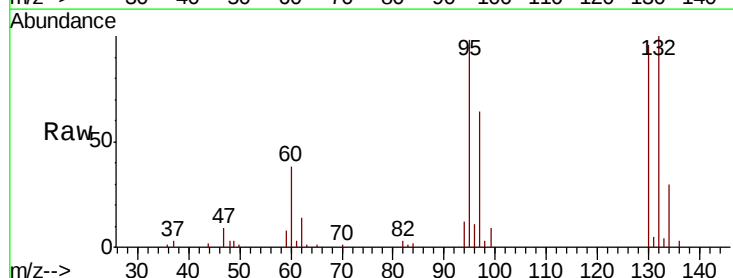
Ion Ratio Lower Upper

95 100

97 65.7 43.9 81.5

132 102.5 63.1 117.3

130 98.1 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

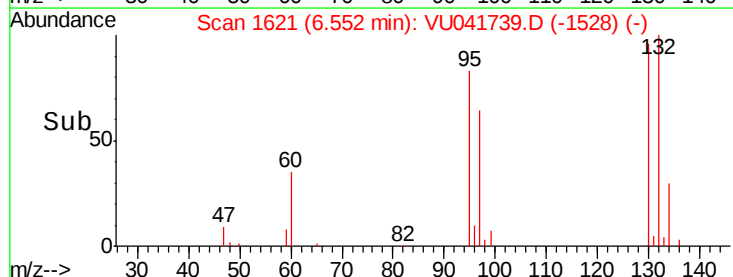
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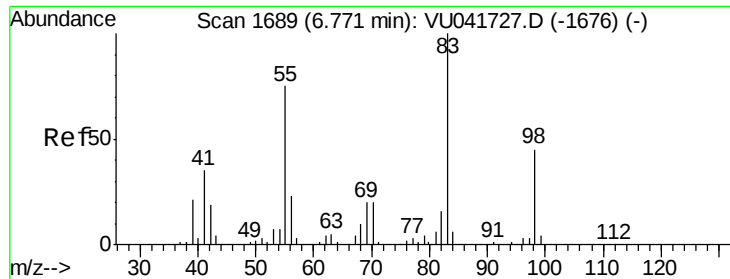
10000

5000

0

Time-->

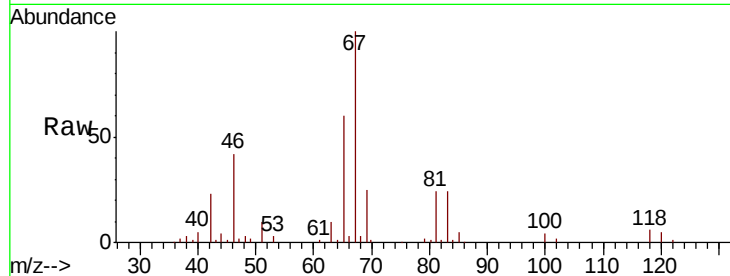




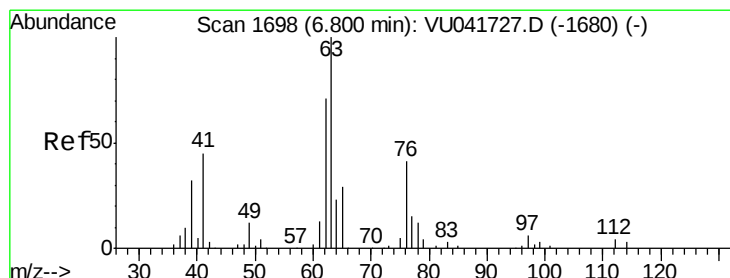
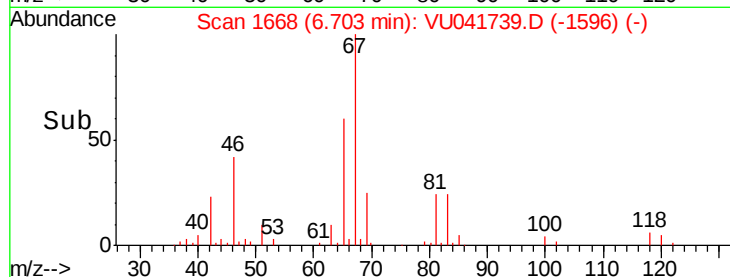
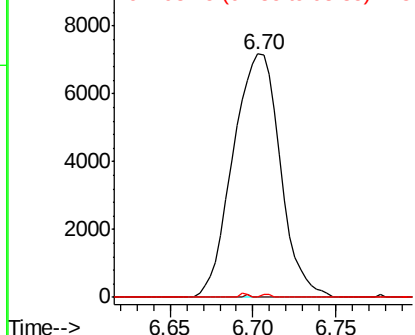
#35
Methvlcvclohexane
Concen: 0.843 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041739.D
Acq: 22 Dec 2020 14:14

Instrument :
MSVOA_U
ClientSampleId :
BG4S2

Tot Ion: 83 Resp: 14226
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 0.3 36.6 54.8#

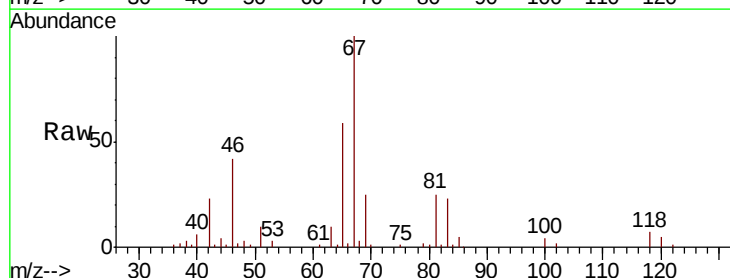


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

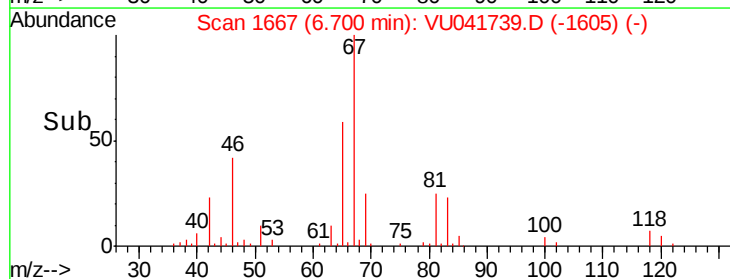
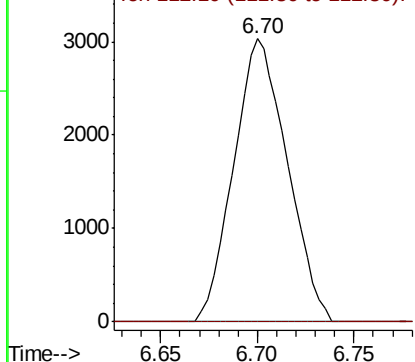


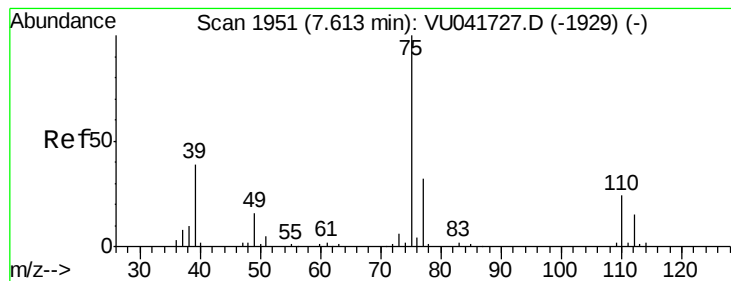
#37
1,2-Dichloropropane
Concen: 0.549 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041739.D
Acq: 22 Dec 2020 14:14

Tgt Ion: 63 Resp: 5830
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



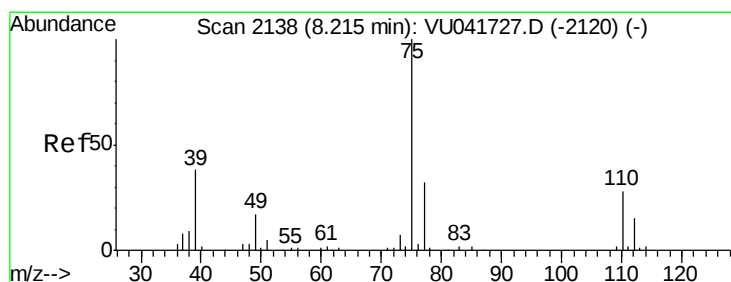
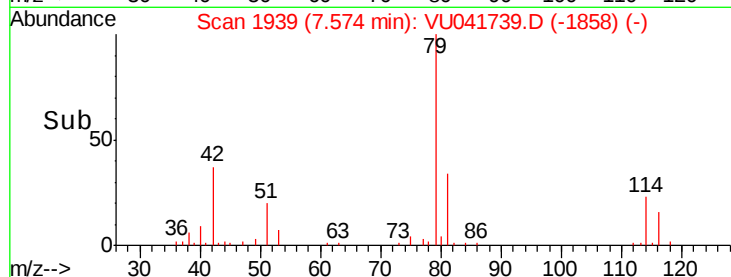
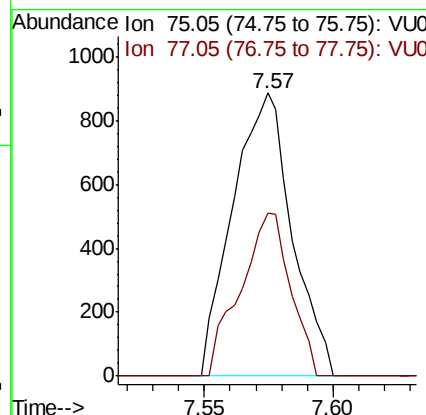
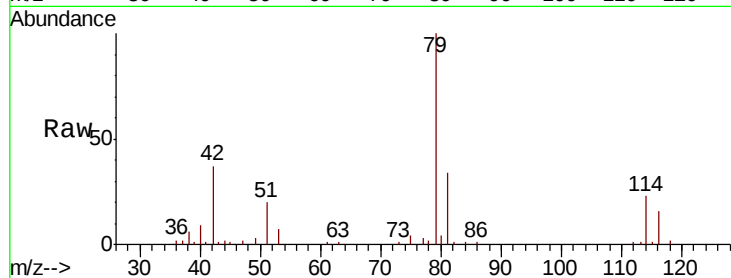


#39

cis-1,3-Dichloropropene
Concen: 0.090 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU041739.D
Acq: 22 Dec 2020 14:14

Instrument :
MSVOA_U
ClientSampleId :
BG4S2

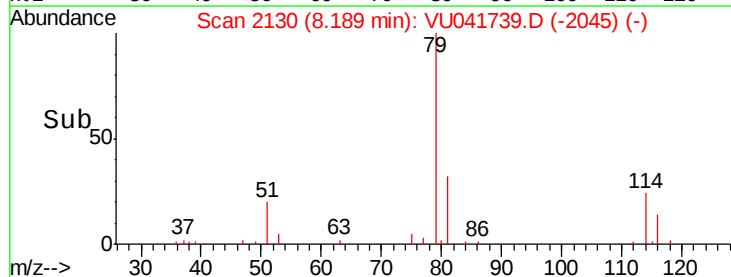
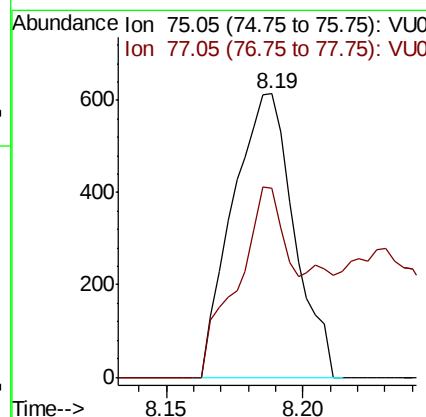
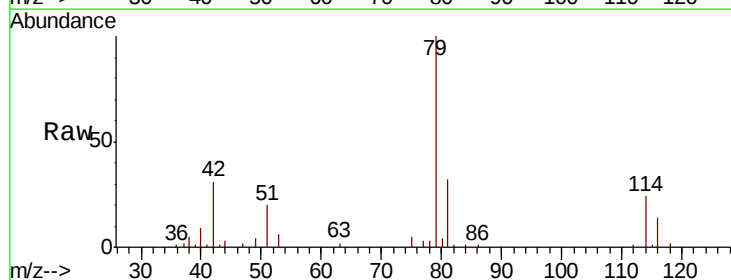
Tot Ion: 75 Resp: 1422
Ion Ratio Lower Upper
75 100
77 57.7 22.3 41.3#

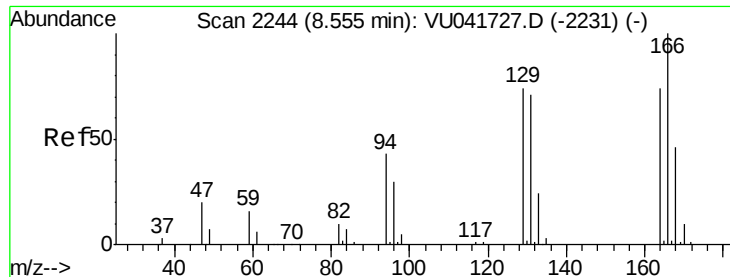


#44

trans-1,3-Dichloropropene
Concen: 0.068 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041739.D
Acq: 22 Dec 2020 14:14

Tgt Ion: 75 Resp: 956
Ion Ratio Lower Upper
75 100
77 66.8 23.8 44.2#

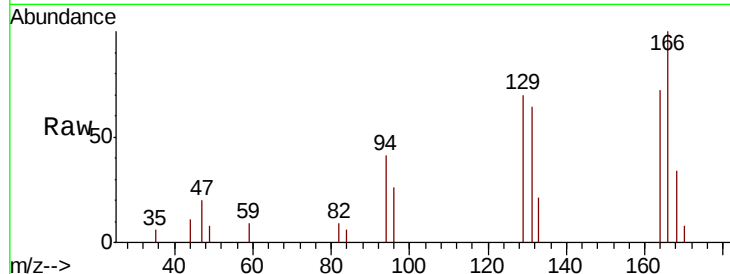




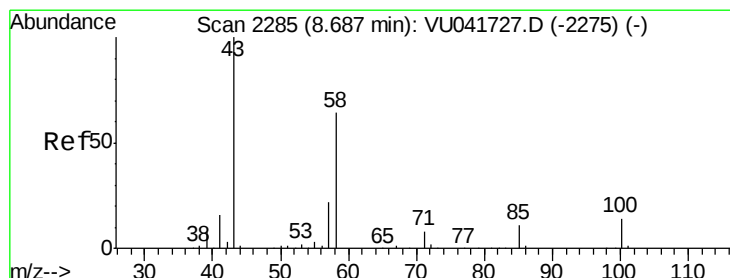
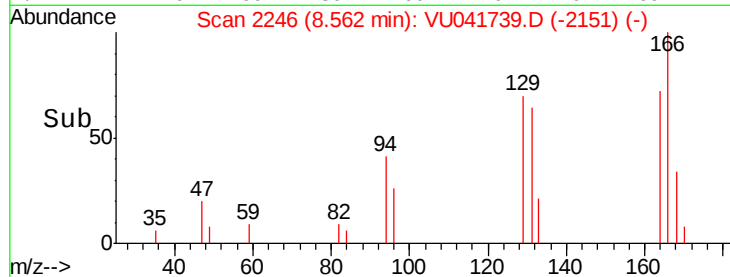
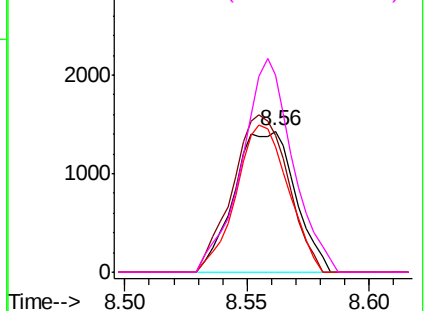
#47
Tetrachloroethene
Concen: 0.338 ug/L
RT: 8.56 min Scan# 2246
Delta R.T. 0.01 min
Lab File: VU041739.D
Acq: 22 Dec 2020 14:14

Instrument :
MSVOA_U
ClientSampleId :
BG4S2

Tot Ion:164 Resp: 2472
Ion Ratio Lower Upper
164 100
129 97.4 72.2 134.0
131 89.0 66.9 124.3
166 139.8 89.6 166.4

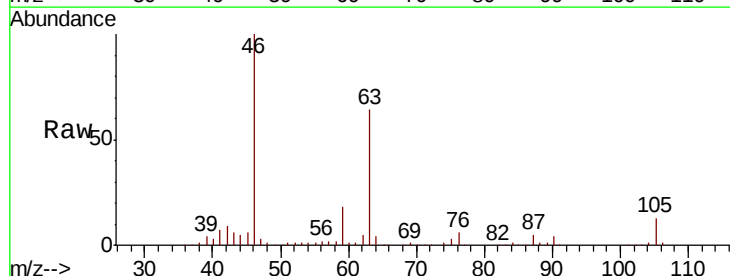


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

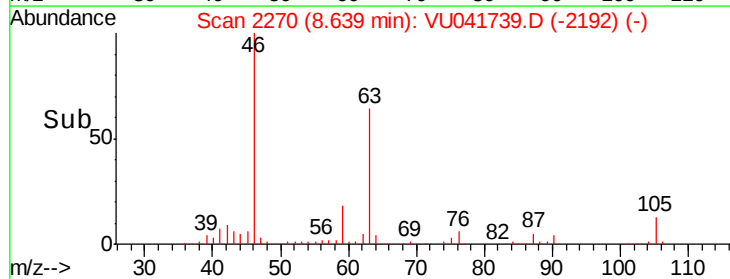
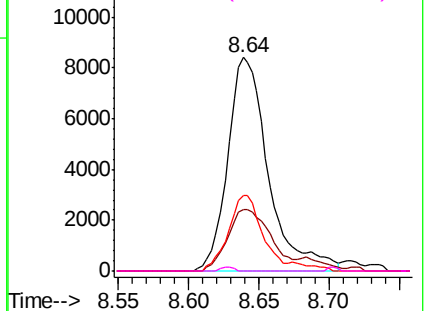


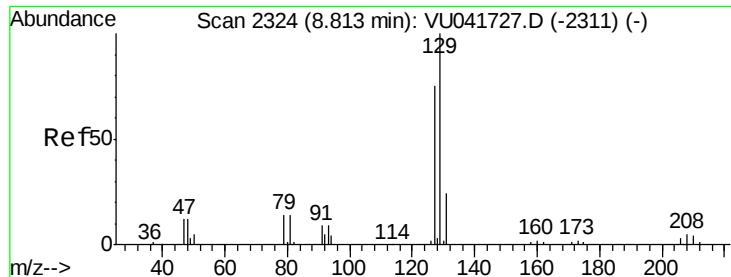
#48
2-Hexanone
Concen: 3.080 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041739.D
Acq: 22 Dec 2020 14:14

Tgt Ion: 43 Resp: 16949
Ion Ratio Lower Upper
43 100
58 30.7 47.9 71.9#
57 29.5 16.5 24.7#
100 0.6 9.4 14.2#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.279 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041739.D

Acq: 22 Dec 2020 14:14

Instrument :

MSVOA_U

ClientSampleId :

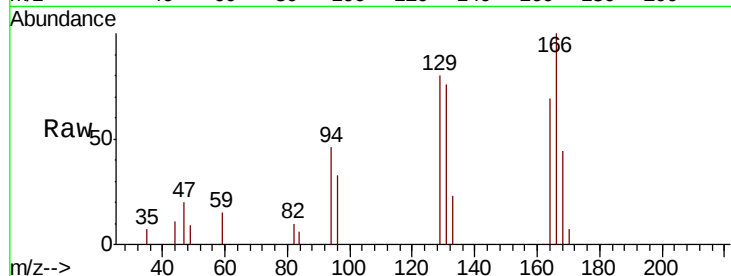
BG4S2

Tot Ion:129 Resp: 2521

Ion Ratio Lower Upper

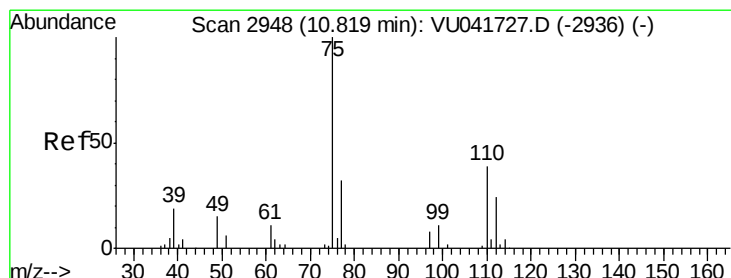
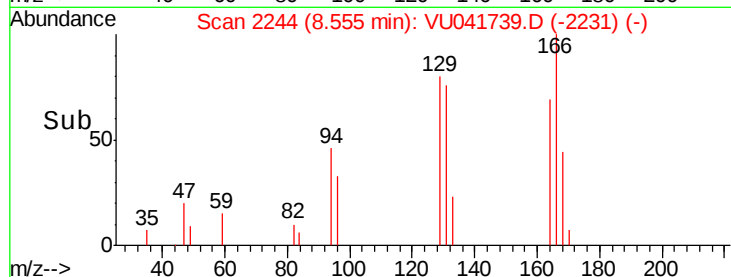
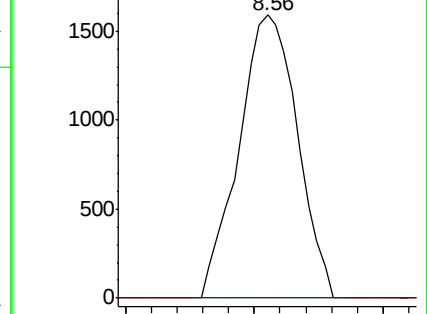
129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.754 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041739.D

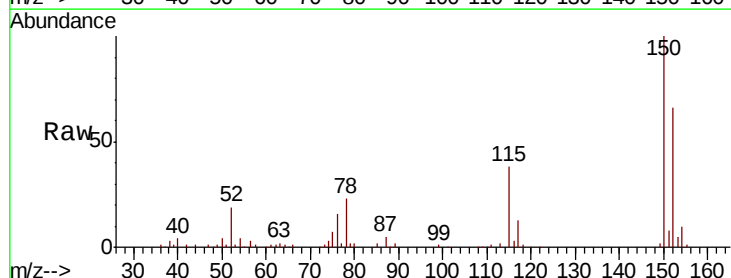
Acq: 22 Dec 2020 14:14

Tgt Ion: 75 Resp: 6014

Ion Ratio Lower Upper

75 100

77 34.4 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

