

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122220\
 Data File : VU041766.D
 Acq On : 23 Dec 2020 01:12
 Operator : SY/MD
 Sample : L5185-03DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S0DL

Quant Time: Dec 23 05:11:54 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	127575	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	123069	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54821	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	33655	3.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.40%
7) Chloroethane-d5	1.92	69	38773	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.58	63	59724	3.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	4.66	46	158277	55.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.50%
24) Chloroform-d	5.08	84	84140	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.72	65	49042	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.74	84	158469	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.70	67	52322	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.90	98	128237	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
43) trans-1,3-Dichloropropene-	8.19	79	20878	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.64	63	140933	51.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.78%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	54386	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	51932	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	499	0.048 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	445	0.051 ug/L #	22
16) Methylene chloride	3.06	84	2956	0.286 ug/L	86
25) Chloroform	5.11	83	915	0.054 ug/L #	73
27) 1,2-Dichloroethane	5.74	62	811	0.071 ug/L #	73
31) Carbon tetrachloride	5.53	117	1396	0.114 ug/L	100
34) Trichloroethene	6.55	95	106027	10.720 ug/L	97
35) Methylcyclohexane	6.70	83	12922	0.808 ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5299	0.526 ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1151	0.077 ug/L #	72
44) trans-1,3-Dichloropropene	8.19	75	722	0.054 ug/L #	27
47) Tetrachloroethene	8.55	164	2817	0.407 ug/L	85
48) 2-Hexanone	8.64	43	15135	2.903 ug/L #	68
49) Dibromochloromethane	8.56	129	2582	0.302 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5980	0.791 ug/L	100

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 23 05:08:09 2020
Response via : Initial Calibration

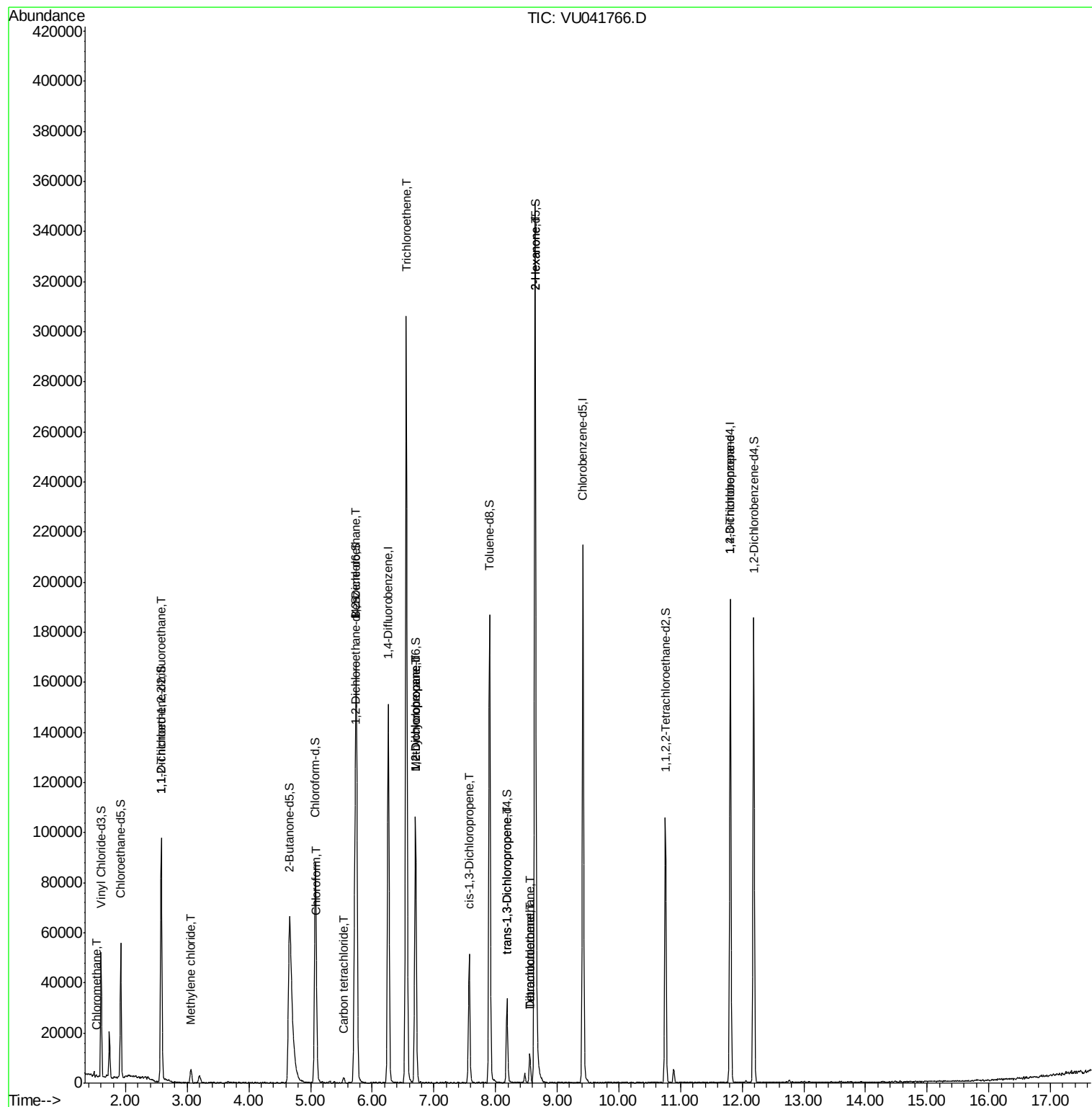
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

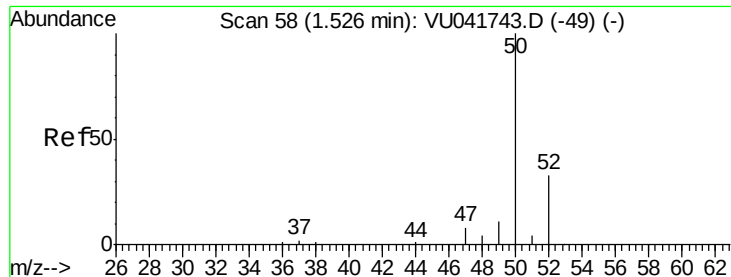
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU122220\
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ClientSampleId :
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 23 05:08:09 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.048 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041766.D

Acq: 23 Dec 2020 01:12

Instrument :

MSVOA_U

ClientSampled :

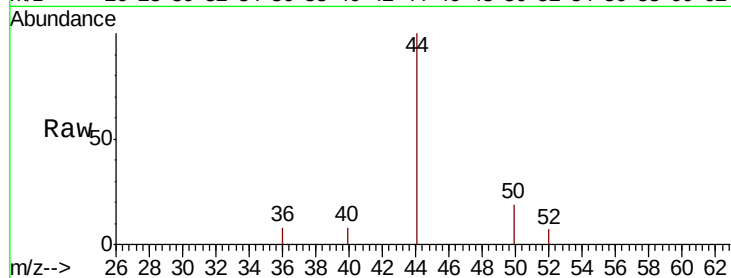
BG4S0DL

Tot Ion: 50 Resp: 499

Ion Ratio Lower Upper

50 100

52 34.2 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041743.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041743.D (-49) (-)

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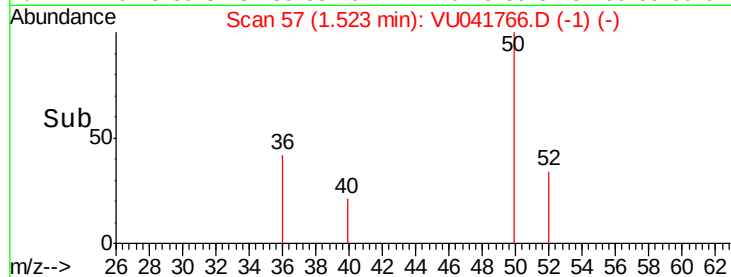
1.52

1.52

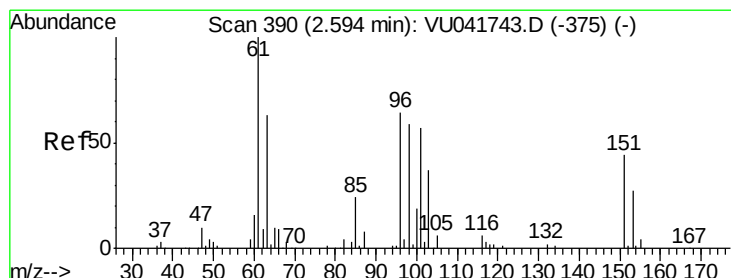
1.52

1.52

1.52



Time-->



#10

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

Concen: 0.051 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041766.D

Acq: 23 Dec 2020 01:12

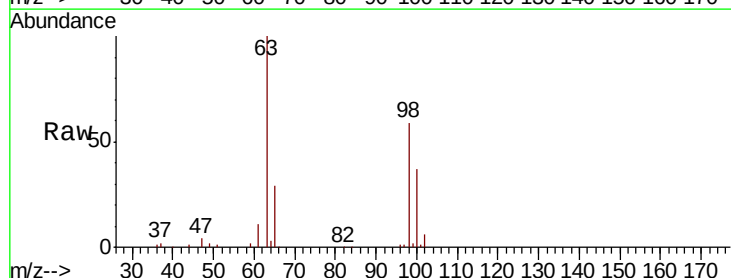
Tgt Ion:101 Resp: 445

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): VU041743.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VU041743.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VU041743.D (-375) (-)

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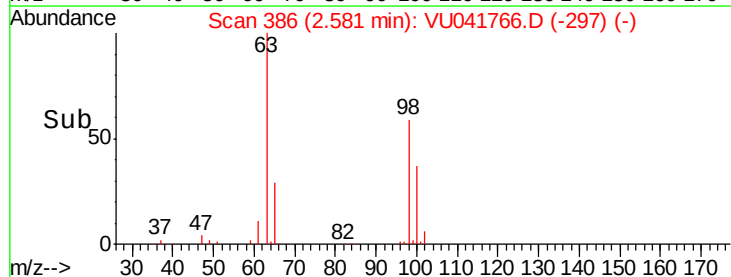
2.58

2.58

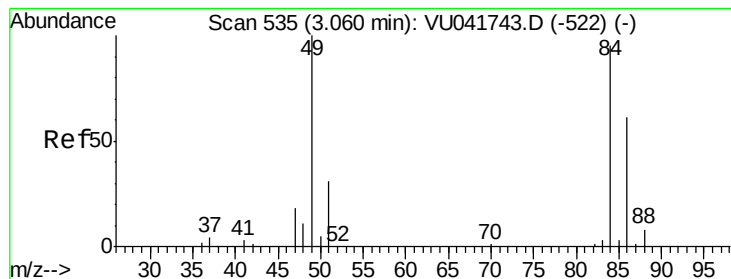
2.58

2.58

2.58



Time-->



#16

Methylene chloride

Concen: 0.286 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU041766.D

Acq: 23 Dec 2020 01:12

Instrument :

MSVOA_U

ClientSampleId :

BG4S0DL

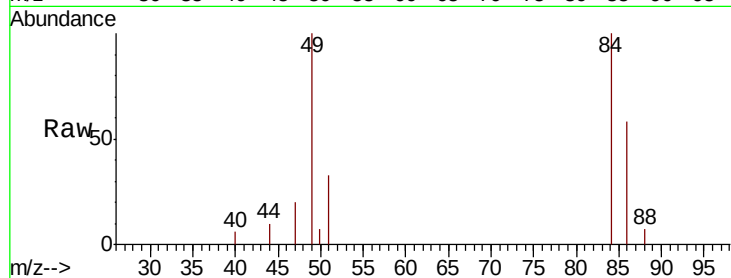
Tot Ion: 84 Resp: 2956

Ion Ratio Lower Upper

84 100

86 58.2 45.1 83.7

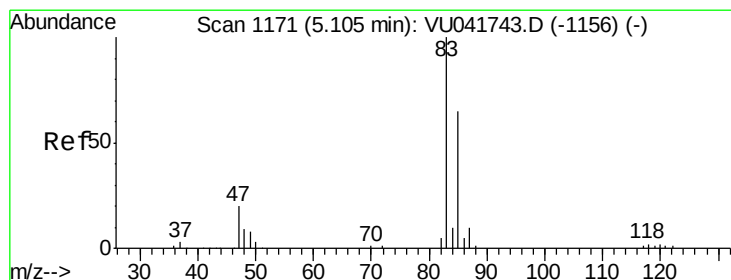
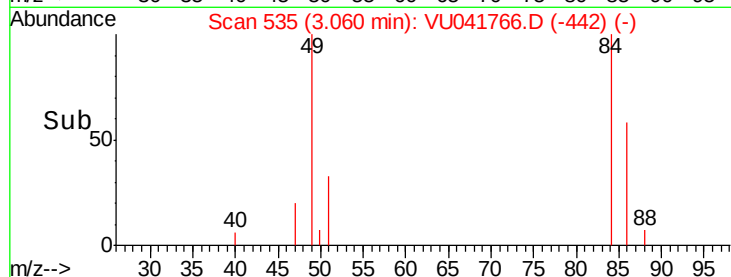
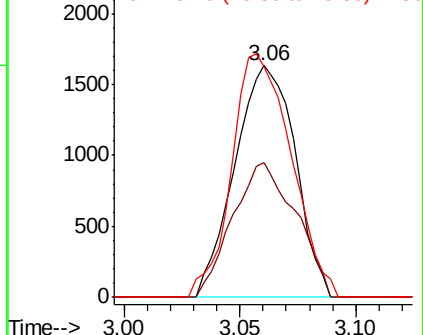
49 99.6 83.1 154.3



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



#25

Chloroform

Concen: 0.054 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU041766.D

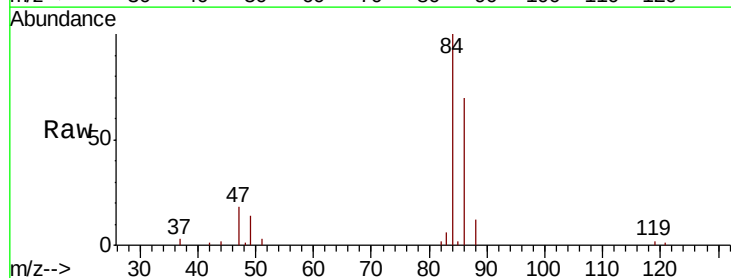
Acq: 23 Dec 2020 01:12

Tgt Ion: 83 Resp: 915

Ion Ratio Lower Upper

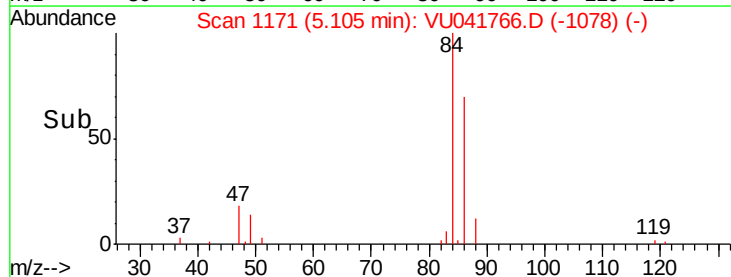
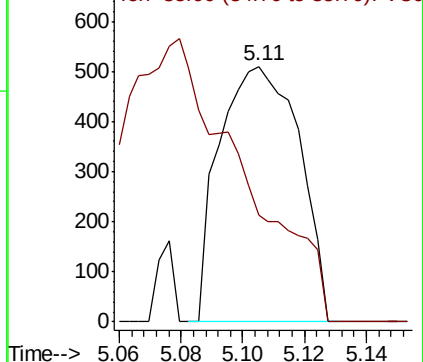
83 100

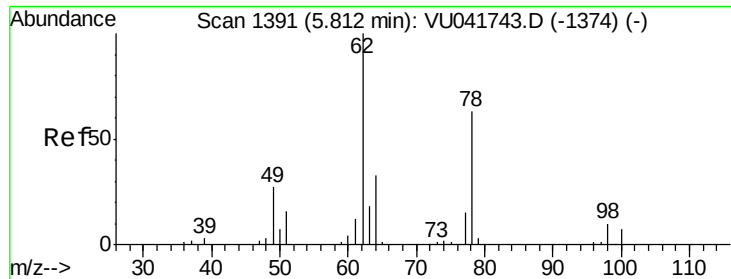
85 42.0 44.2 82.0#



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

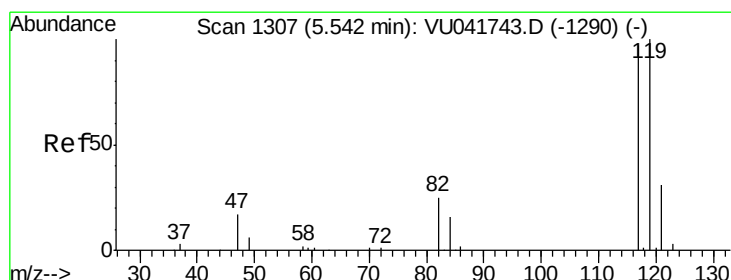
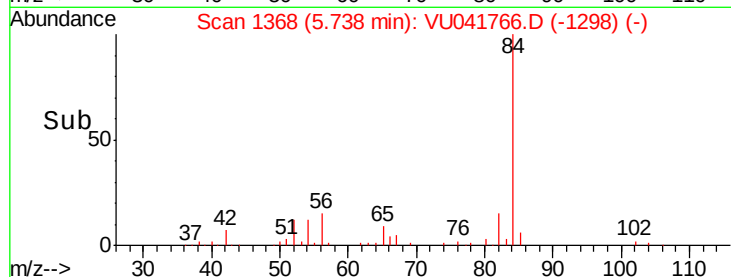
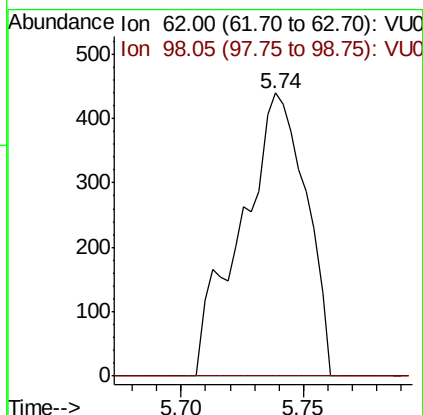
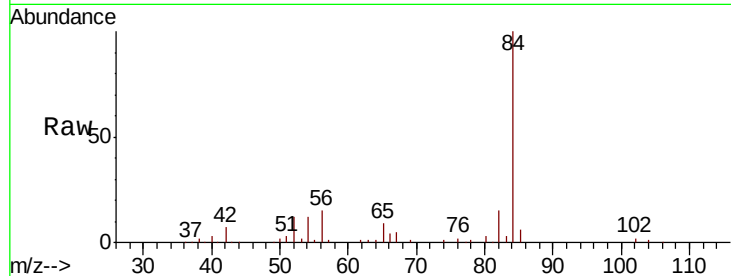




#27
 1,2-Dichloroethane
 Concen: 0.071 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU041766.D
 Acq: 23 Dec 2020 01:12

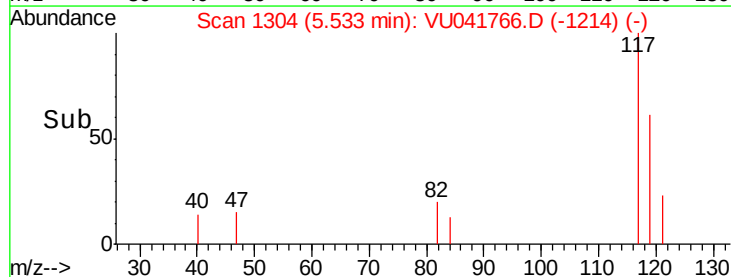
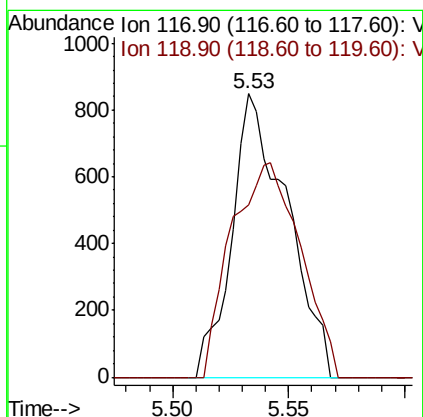
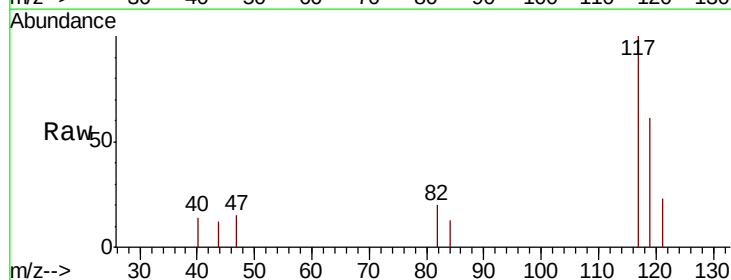
Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S0DL

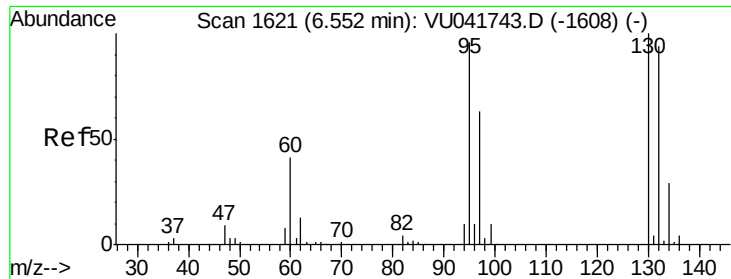
Tot Ion: 62 Resp: 811
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#31
 Carbon tetrachloride
 Concen: 0.114 ug/L
 RT: 5.53 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: VU041766.D
 Acq: 23 Dec 2020 01:12

Tgt Ion: 117 Resp: 1396
 Ion Ratio Lower Upper
 117 100
 119 95.3 76.2 114.2





#34

Trichloroethene

Concen: 10.720 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041766.D

Acq: 23 Dec 2020 01:12

Instrument :

MSVOA_U

ClientSampleId :

BG4S0DL

Tot Ion: 95 Resp: 106027

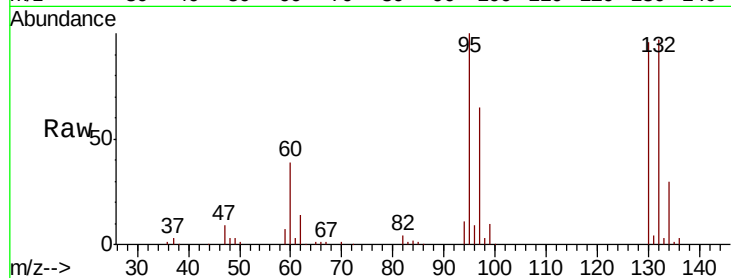
Ion Ratio Lower Upper

95 100

97 65.0 43.9 81.5

132 96.7 63.1 117.3

130 96.3 67.4 125.2

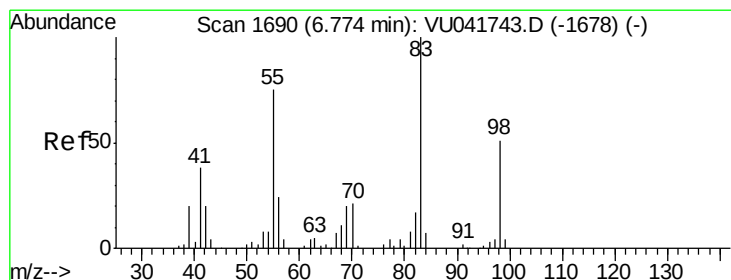
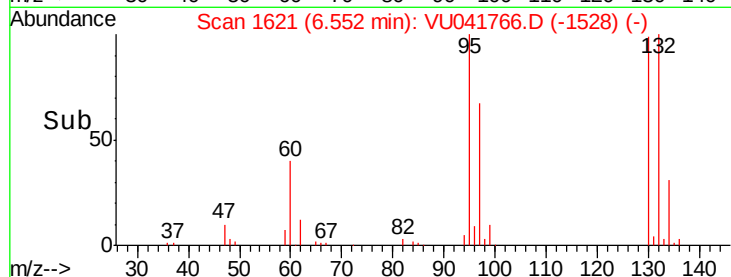
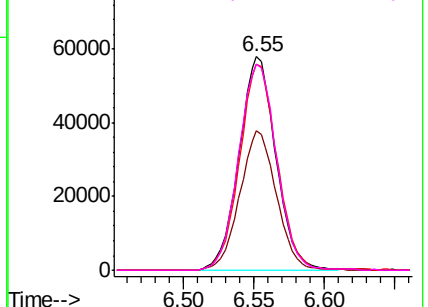


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.808 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041766.D

Acq: 23 Dec 2020 01:12

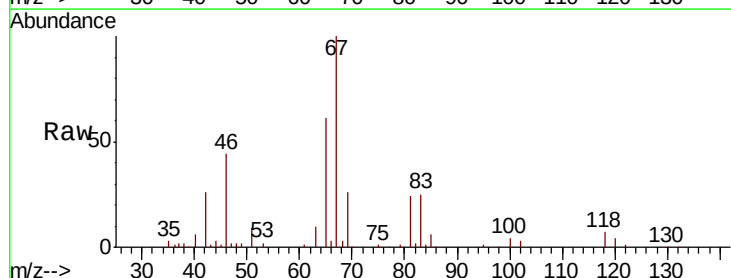
Tgt Ion: 83 Resp: 12922

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

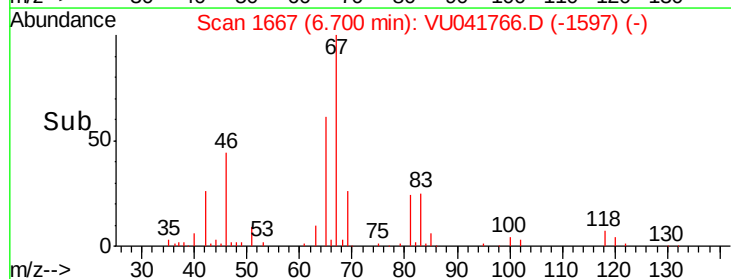
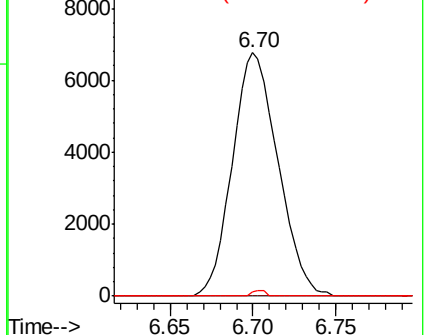
98 0.0 36.6 54.8#

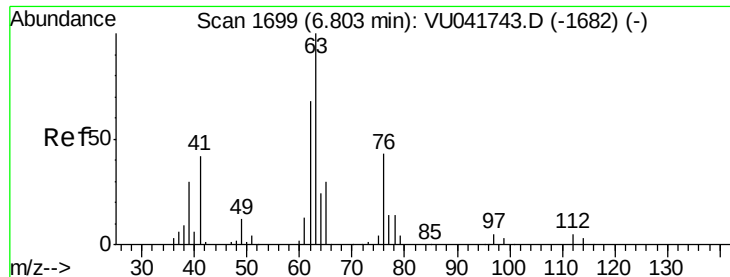


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

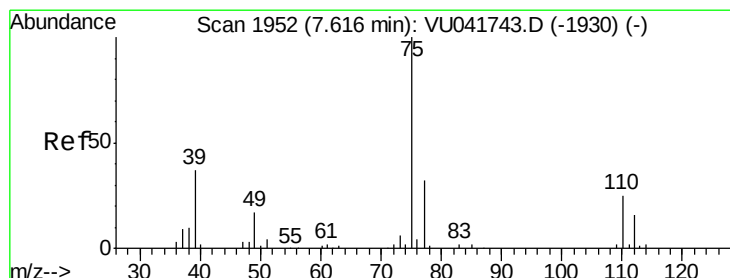
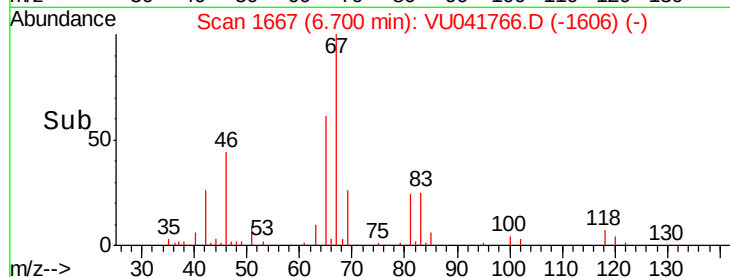
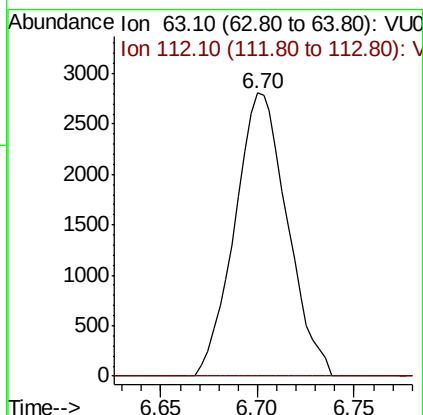
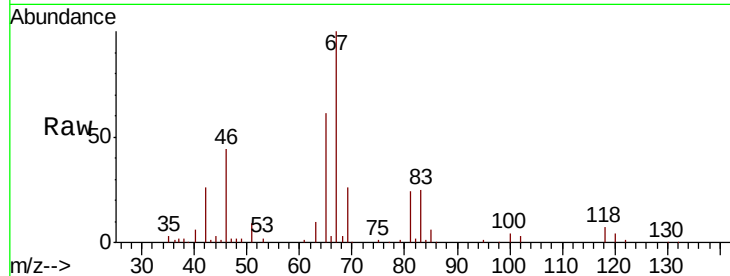




#37
 1,2-Dichloropropane
 Concen: 0.526 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041766.D
 Acq: 23 Dec 2020 01:12

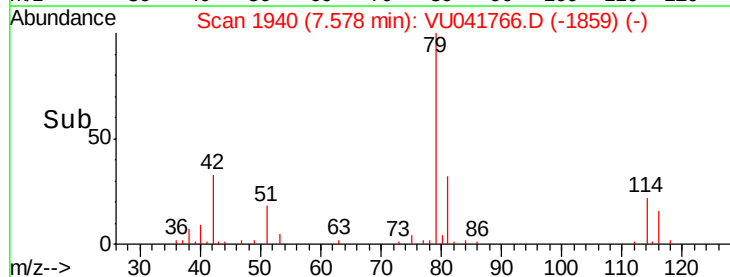
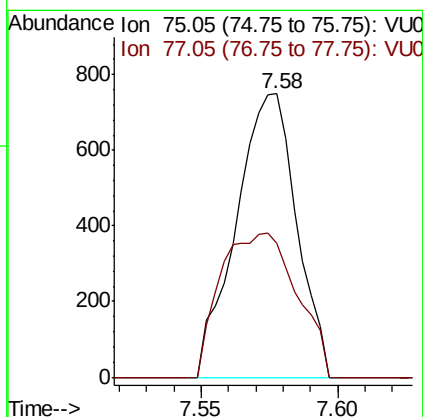
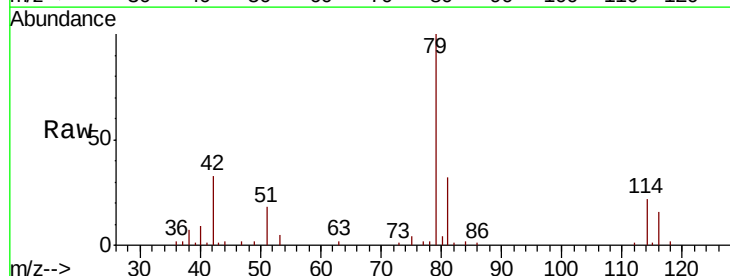
Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S0DL

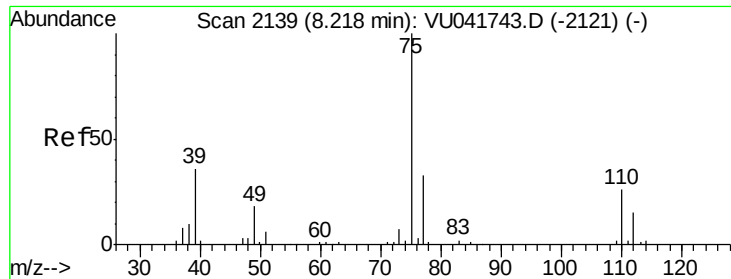
Tot Ion: 63 Resp: 5299
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.077 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041766.D
 Acq: 23 Dec 2020 01:12

Tgt Ion: 75 Resp: 1151
 Ion Ratio Lower Upper
 75 100
 77 47.1 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.054 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041766.D

Acq: 23 Dec 2020 01:12

Instrument :

MSVOA_U

ClientSampleId :

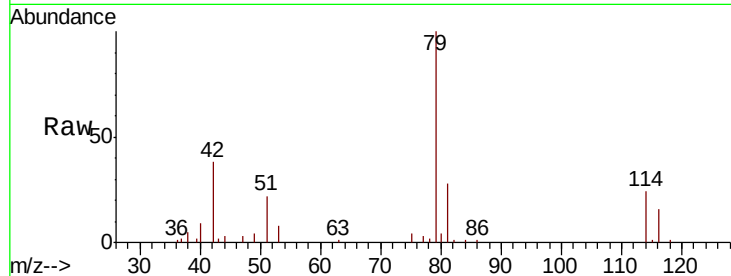
BG4S0DL

Tot Ion: 75 Resp: 722

Ion Ratio Lower Upper

75 100

77 75.7 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU041743.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU041743.D (-2121) (-)

8.19

400

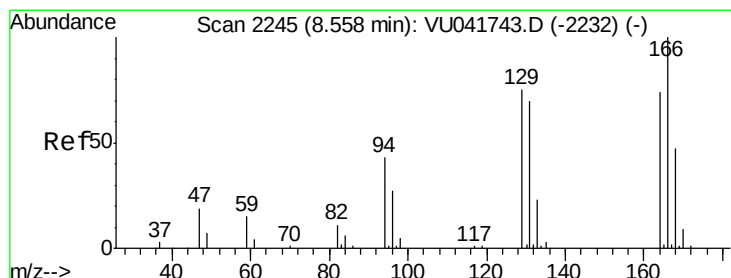
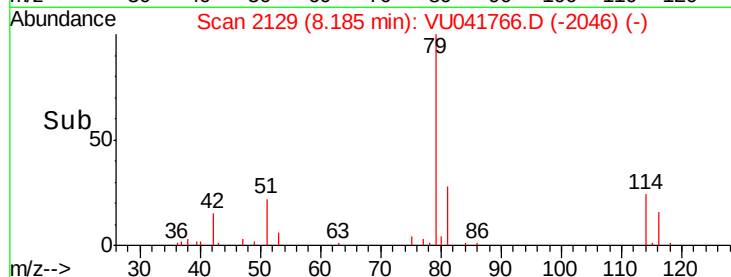
300

200

100

0

Time--> 8.14 8.16 8.18 8.20 8.22



#47

Tetrachloroethene

Concen: 0.407 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. -0.01 min

Lab File: VU041766.D

Acq: 23 Dec 2020 01:12

Tgt Ion: 164 Resp: 2817

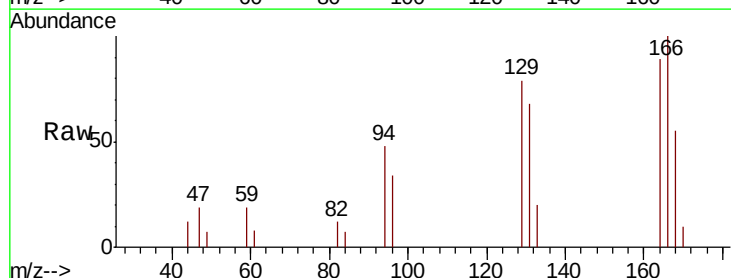
Ion Ratio Lower Upper

164 100

129 88.9 72.2 134.0

131 77.0 66.9 124.3

166 113.0 89.6 166.4



Abundance Ion 163.90 (163.60 to 164.60): VU041743.D (-2232) (-)

Ion 128.95 (128.65 to 129.65): VU041743.D (-2232) (-)

Ion 130.95 (130.65 to 131.65): VU041743.D (-2232) (-)

Ion 165.90 (165.60 to 166.60): VU041743.D (-2232) (-)

3000

2500

2000

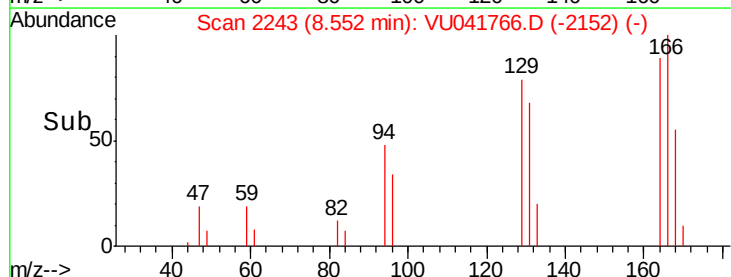
1500

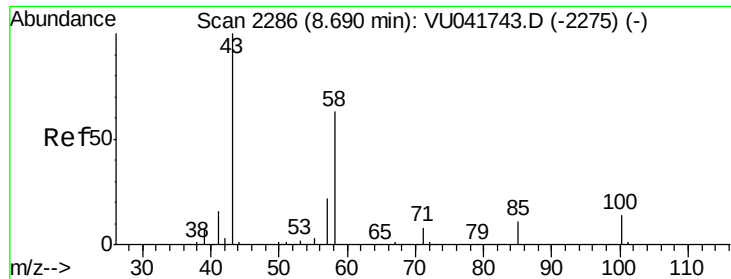
1000

500

0

Time--> 8.50 8.55 8.60

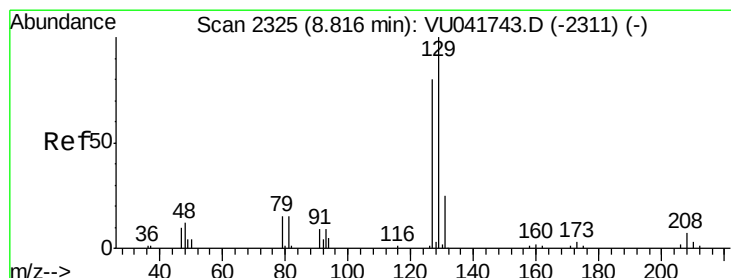
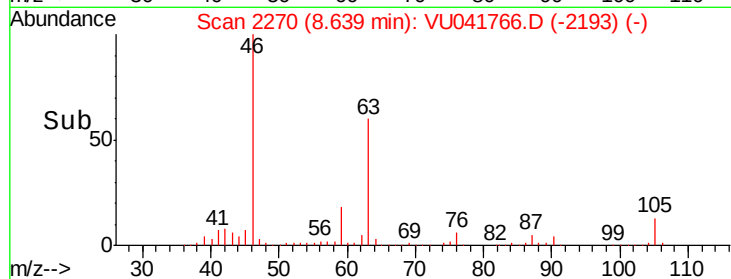
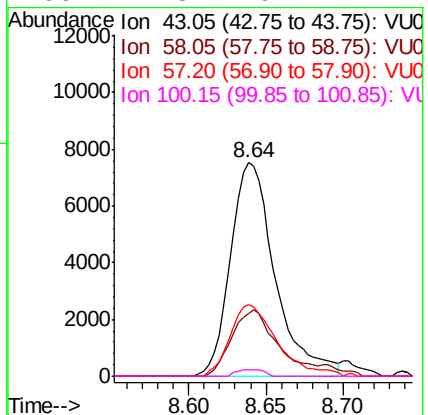
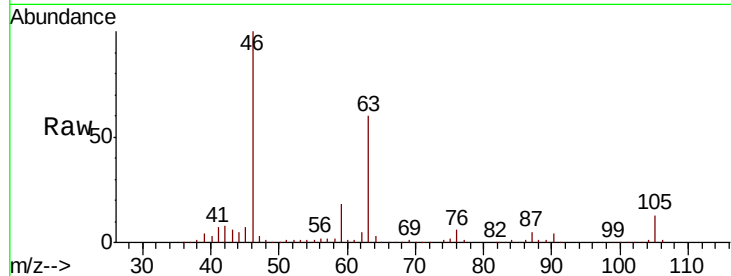




#48
2-Hexanone
Concen: 2.903 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041766.D
Acq: 23 Dec 2020 01:12

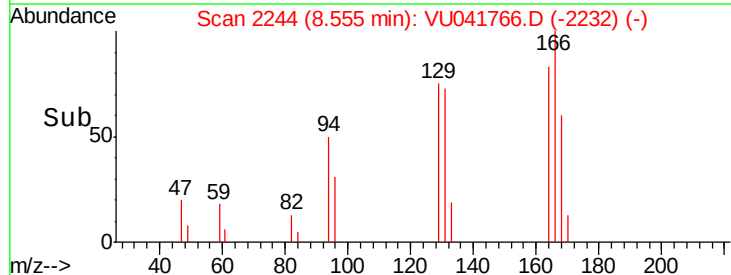
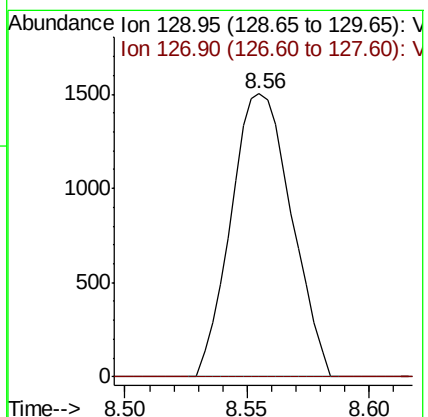
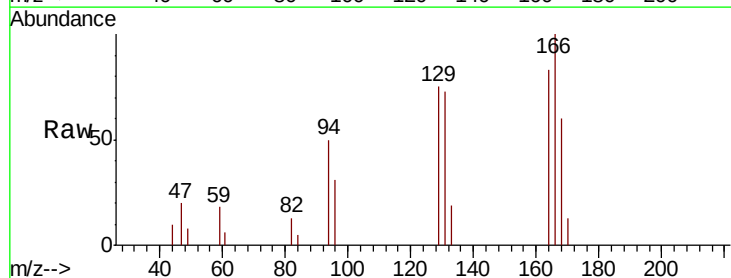
Instrument :
MSVOA_U
ClientSampleId :
BG4S0DL

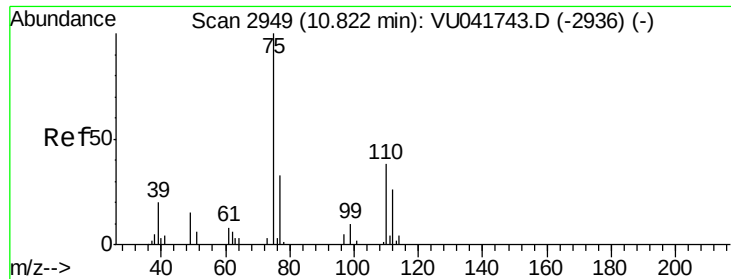
Tot Ion: 43 Resp: 15135
Ion Ratio Lower Upper
43 100
58 34.6 47.9 71.9#
57 35.0 16.5 24.7#
100 1.8 9.4 14.2#



#49
Dibromochloromethane
Concen: 0.302 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041766.D
Acq: 23 Dec 2020 01:12

Tgt Ion: 129 Resp: 2582
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#





#59

1,2,3-Trichloropropane

Concen: 0.791 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041766.D

Acq: 23 Dec 2020 01:12

Instrument :

MSVOA_U

ClientSampleId :

BG4S0DL

Tot Ion: 75 Resp: 5980

Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.2

