

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101620\
 Data File : VU040754.D
 Acq On : 16 Oct 2020 17:51
 Operator : SY/MD
 Sample : L4419-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK0

Quant Time: Oct 16 23:42:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 16 23:38:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	109740	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113396	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45570	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	37471	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.92	69	35264	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.58	63	60270	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	4.66	46	158598	54.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.00%
24) Chloroform-d	5.08	84	83770	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.72	65	52473	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
32) Benzene-d6	5.74	84	147382	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.70	67	52359	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.91	98	114917	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	8.19	79	17572	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.64	63	100720	45.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.88%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47203	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	47219	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	430	0.047	ug/L #	20
12) 1,1-Dichloroethene	2.58	96	651	0.083	ug/L #	1
15) Methyl Acetate	2.98	43	1035	0.201	ug/L #	56
19) 1,1-Dichloroethane	3.89	63	2740	0.162	ug/L	97
22) cis-1,2-Dichloroethene	4.68	96	4724	0.534	ug/L	99
25) Chloroform	5.11	83	4051	0.234	ug/L	87
27) 1,2-Dichloroethane	5.74	62	940	0.077	ug/L #	77
31) Carbon tetrachloride	5.54	117	975	0.075	ug/L	89
34) Trichloroethene	6.56	95	7936	0.840	ug/L	97
35) Methylcyclohexane	6.70	83	12021	0.898	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6240	0.615	ug/L #	87
39) cis-1,3-Dichloropropene	7.58	75	1251	0.090	ug/L #	83
44) trans-1,3-Dichloropropene	8.19	75	910	0.071	ug/L #	66
47) Tetrachloroethene	8.56	164	2936	0.436	ug/L	91
48) 2-Hexanone	8.64	43	18009	2.989	ug/L #	73
49) Dibromochloromethane	8.56	129	2736	0.313	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6261	0.840	ug/L	99

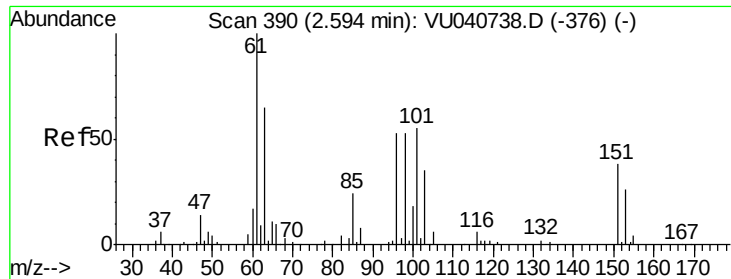
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101620\
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QLast Update : Fri Oct 16 23:38:52 2020
Response via : Initial Calibration

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



#10

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

Concen: 0.047 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040754.D

Acq: 16 Oct 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

C0AK0

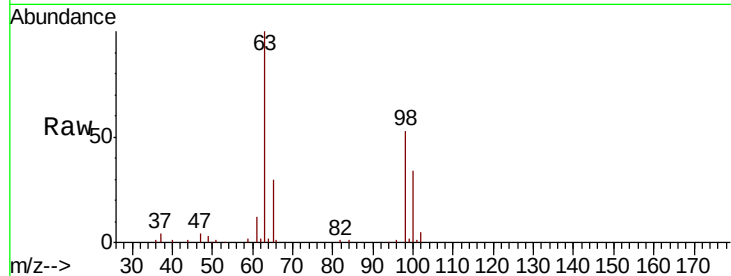
Tot Ion:101 Resp: 430

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

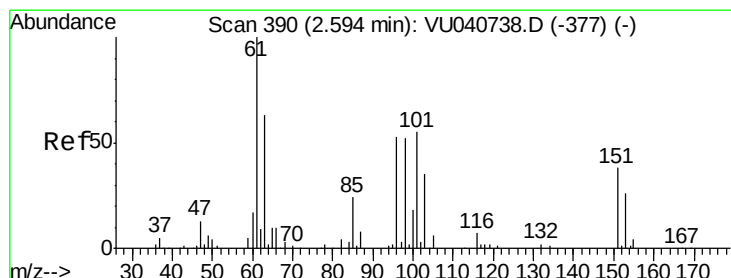
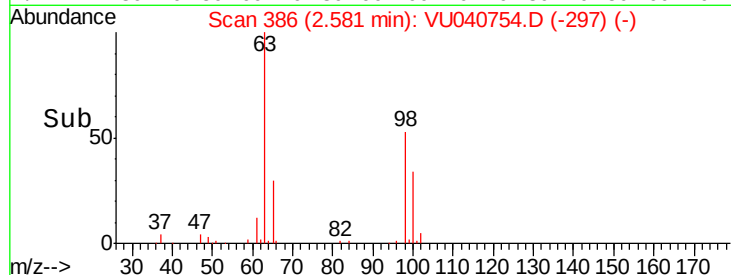
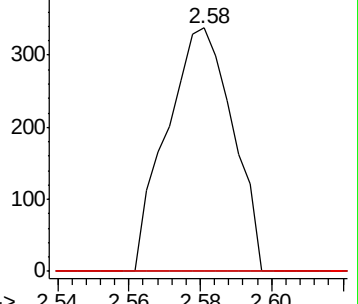
151 0.0 58.0 87.0#



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: 0.083 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040754.D

Acq: 16 Oct 2020 17:51

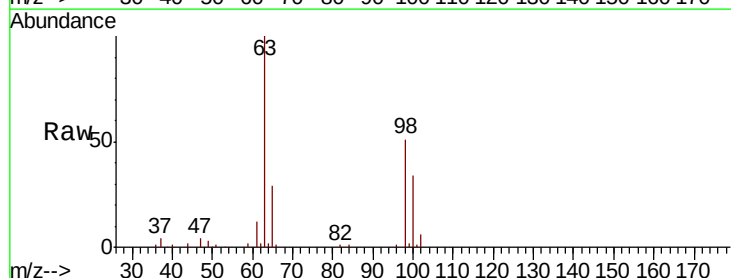
Tgt Ion: 96 Resp: 651

Ion Ratio Lower Upper

96 100

61 1022.1 128.8 239.2#

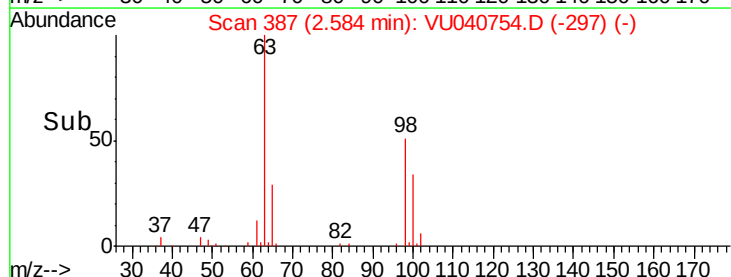
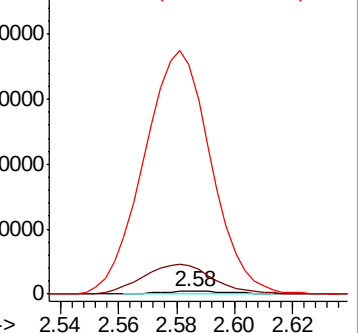
63 8261.1 84.6 157.2#

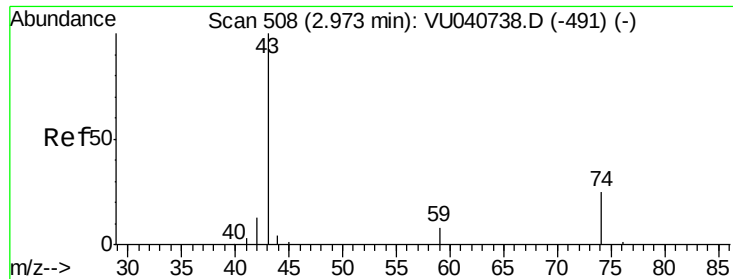


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

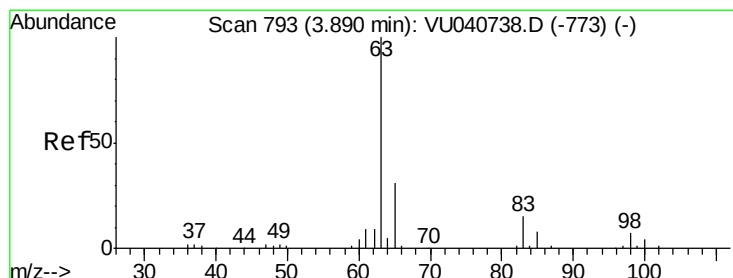
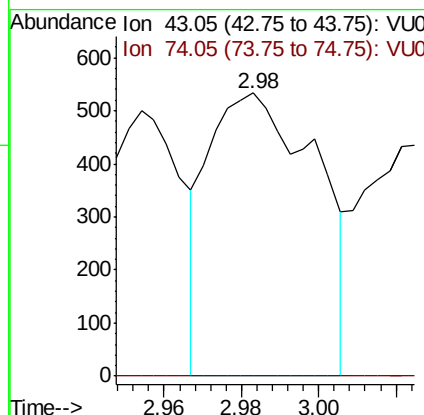
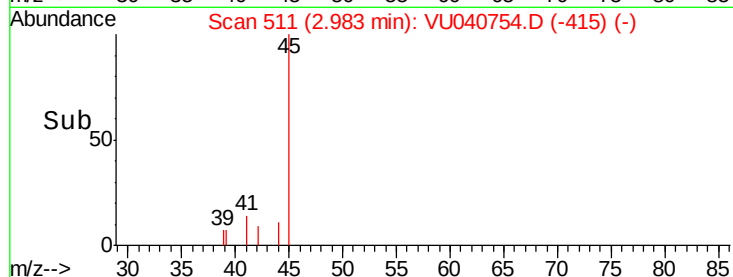
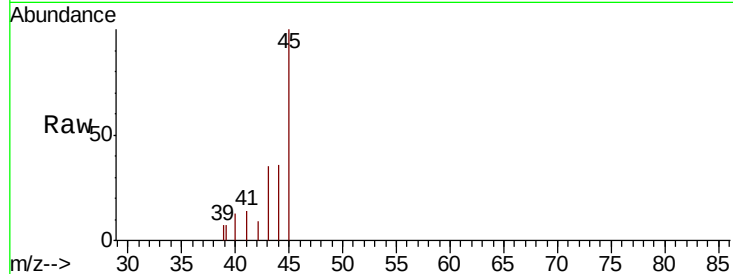




#15
Methvl Acetate
Concen: 0.201 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.01 min
Lab File: VU040754.D
Acq: 16 Oct 2020 17:51

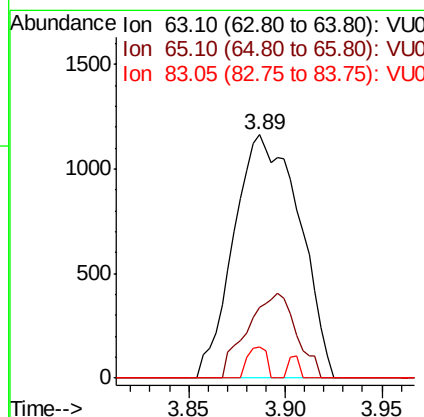
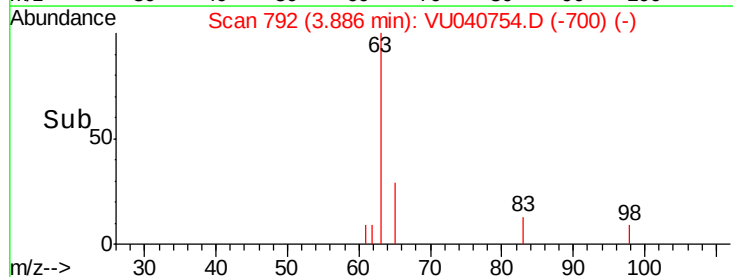
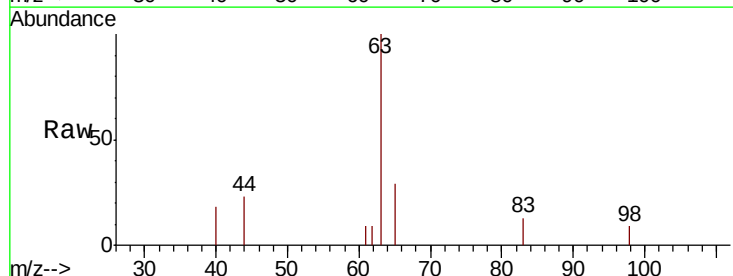
Instrument :
MSVOA_U
ClientSampleId :
C0AK0

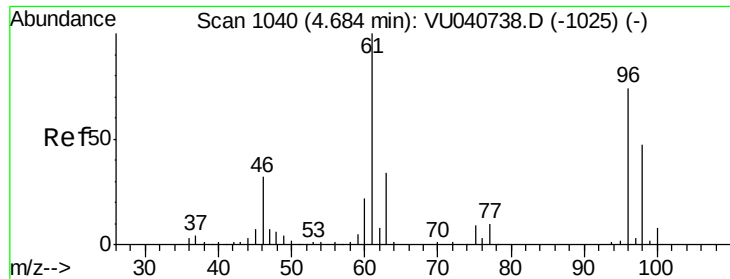
Tot Ion: 43 Resp: 1035
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#



#19
1,1-Dichloroethane
Concen: 0.162 ug/L
RT: 3.89 min Scan# 792
Delta R.T. -0.00 min
Lab File: VU040754.D
Acq: 16 Oct 2020 17:51

Tgt Ion: 63 Resp: 2740
Ion Ratio Lower Upper
63 100
65 29.3 21.9 40.7
83 12.9 9.6 17.8

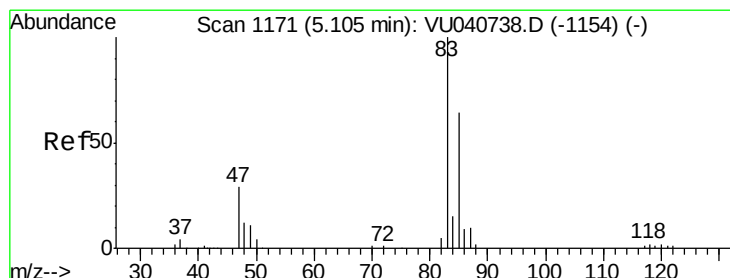
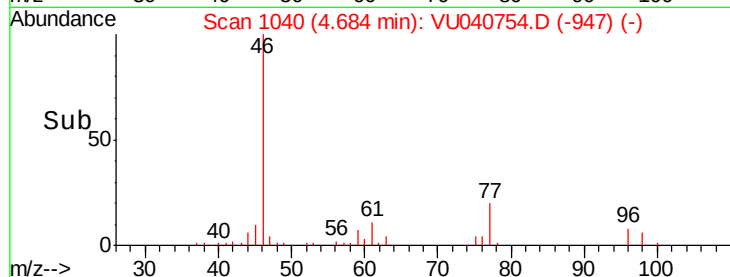
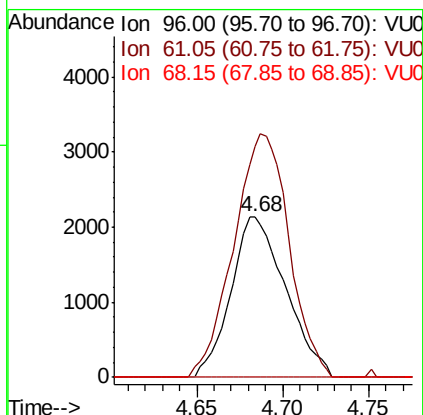
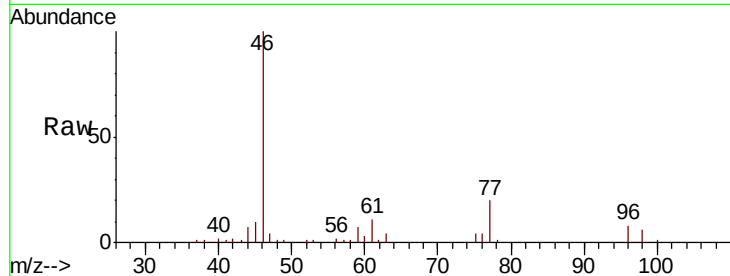




#22
 cis-1,2-Dichloroethene
 Concen: 0.534 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU040754.D
 Acq: 16 Oct 2020 17:51

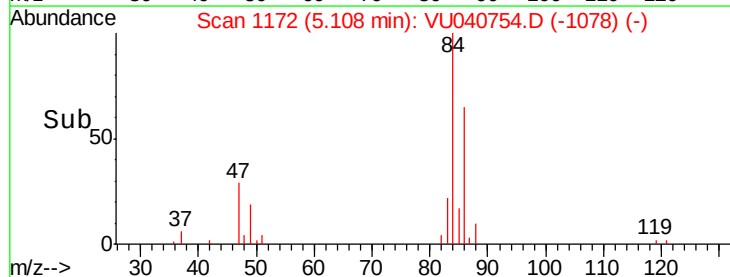
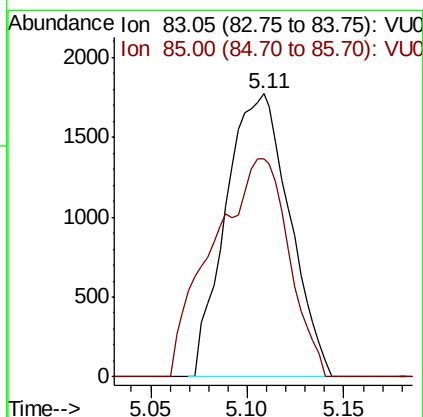
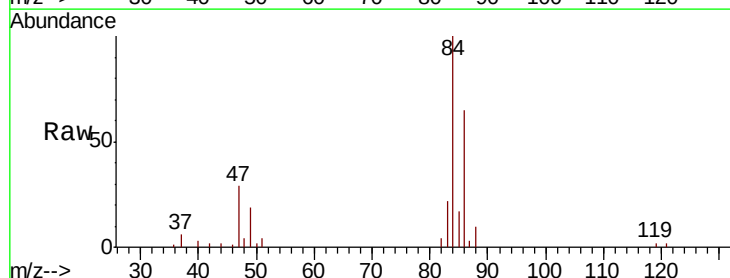
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK0

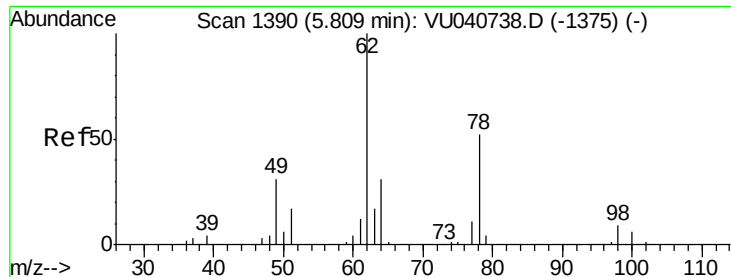
Tot Ion: 96 Resp: 4724
 Ion Ratio Lower Upper
 96 100
 61 143.8 99.8 185.4
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.234 ug/L
 RT: 5.11 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU040754.D
 Acq: 16 Oct 2020 17:51

Tgt Ion: 83 Resp: 4051
 Ion Ratio Lower Upper
 83 100
 85 77.1 46.5 86.5

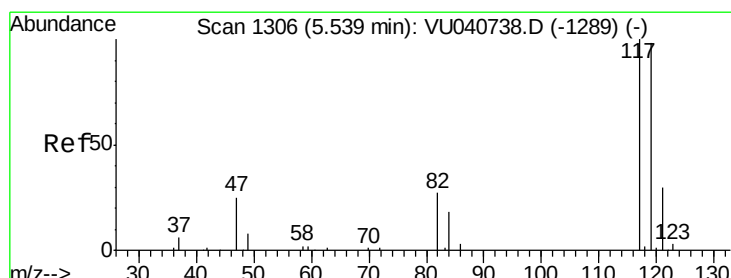
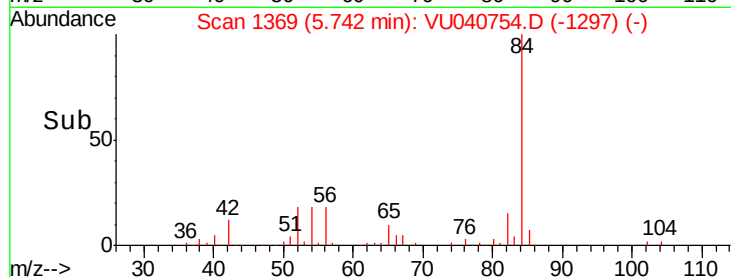
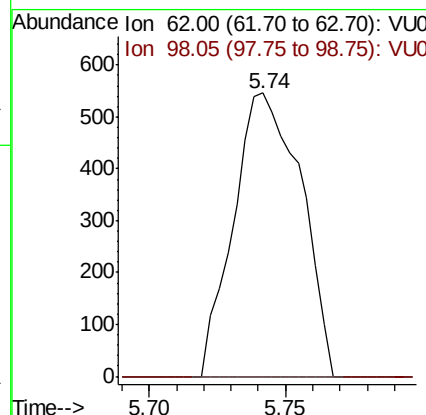
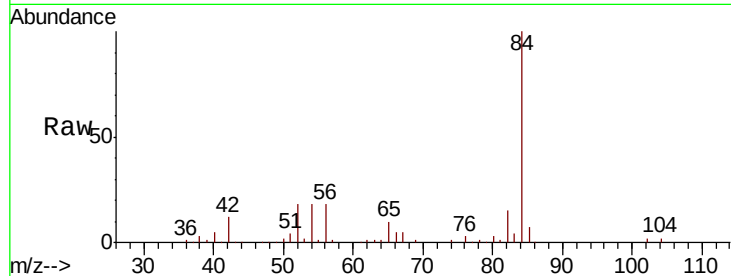




#27
 1,2-Dichloroethane
 Concen: 0.077 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.07 min
 Lab File: VU040754.D
 Acq: 16 Oct 2020 17:51

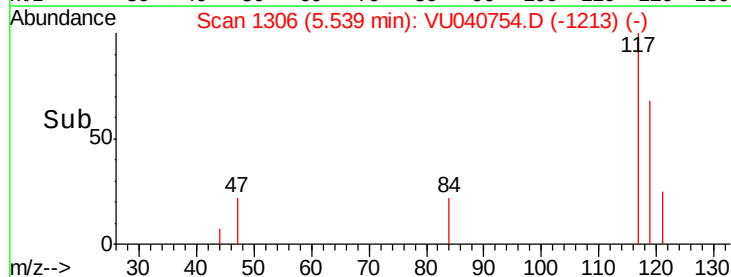
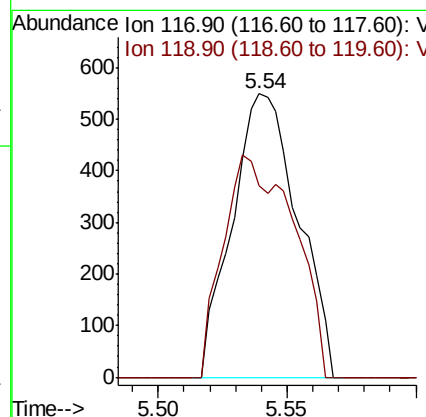
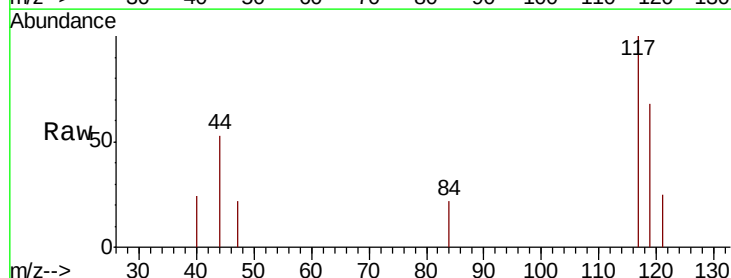
Instrument :
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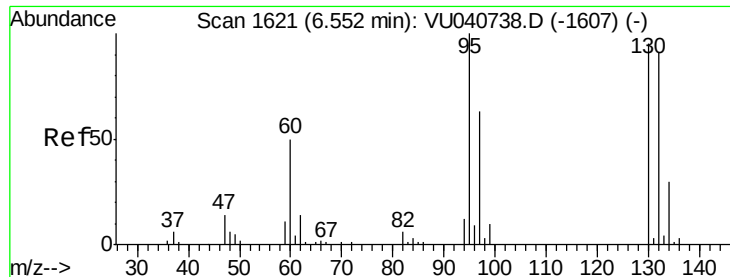
Tot Ion: 62 Resp: 940
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#31
 Carbon tetrachloride
 Concen: 0.075 ug/L
 RT: 5.54 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: VU040754.D
 Acq: 16 Oct 2020 17:51

Tgt Ion: 117 Resp: 975
 Ion Ratio Lower Upper
 117 100
 119 84.2 76.2 114.2





#34

Trichloroethene

Concen: 0.840 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040754.D

Acq: 16 Oct 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

C0AK0

Tot Ion: 95 Resp: 7936

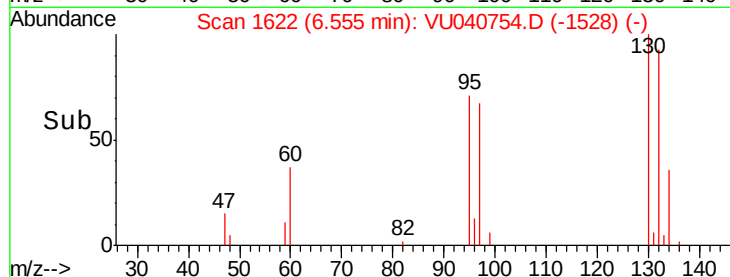
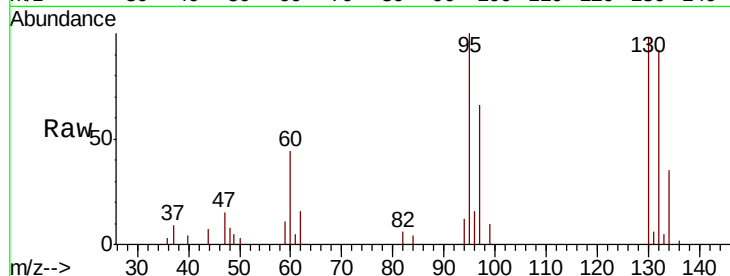
Ion Ratio Lower Upper

95 100

97 65.7 45.5 84.5

132 91.9 67.5 125.4

130 98.4 69.9 129.9

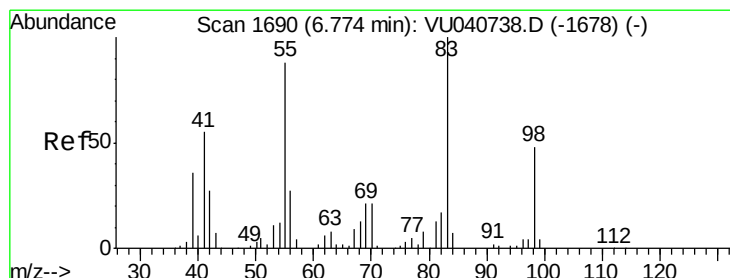
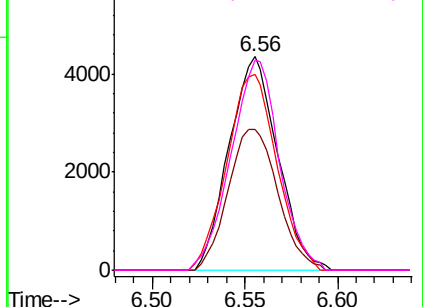


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.898 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040754.D

Acq: 16 Oct 2020 17:51

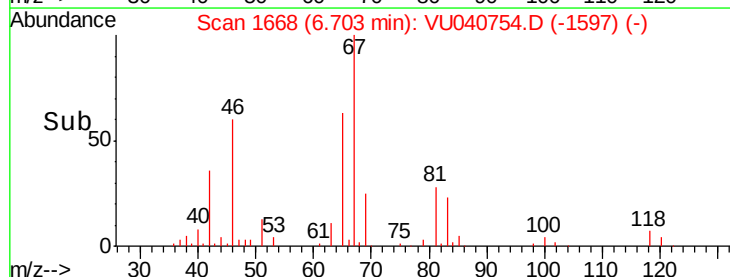
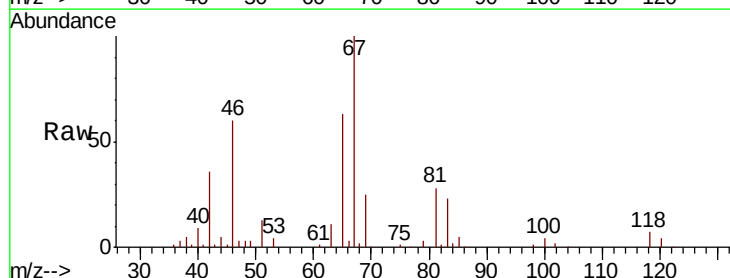
Tgt Ion: 83 Resp: 12021

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

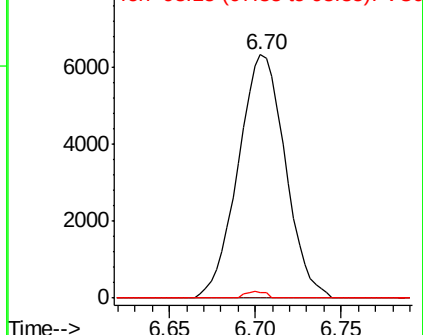
98 1.1 38.4 57.6#

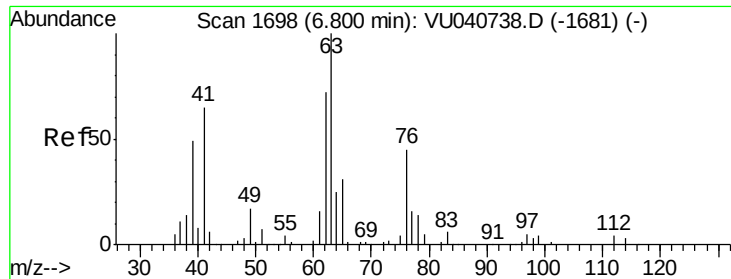


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

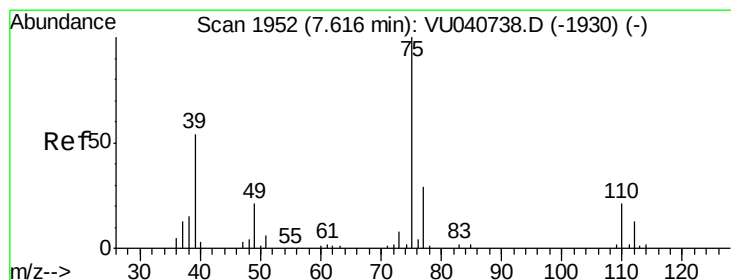
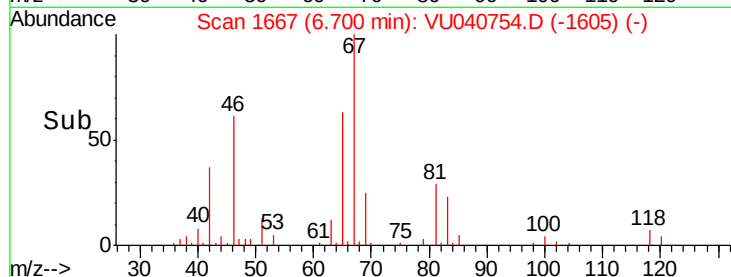
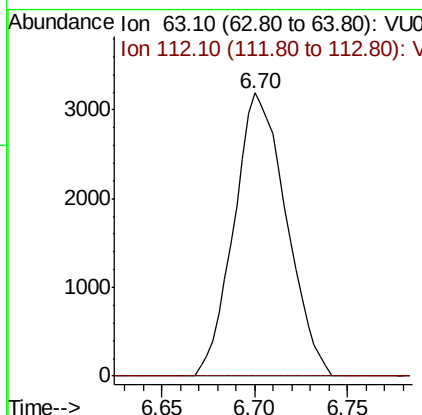
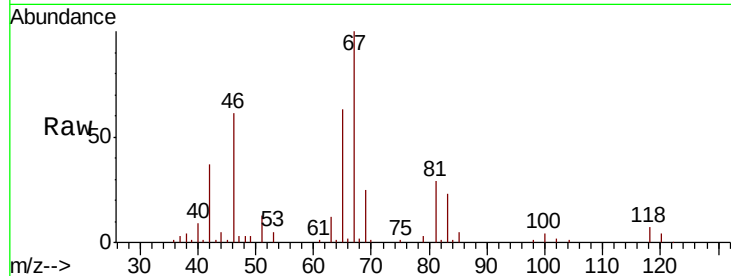




#37
 1,2-Dichloropropane
 Concen: 0.615 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040754.D
 Acq: 16 Oct 2020 17:51

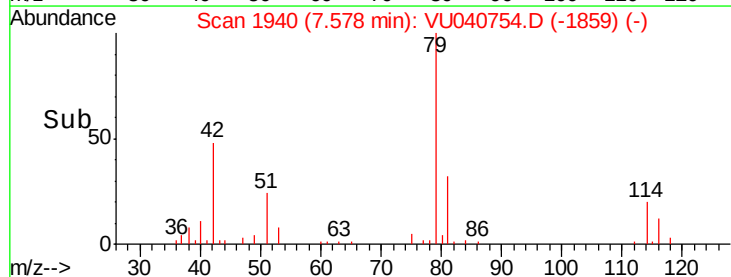
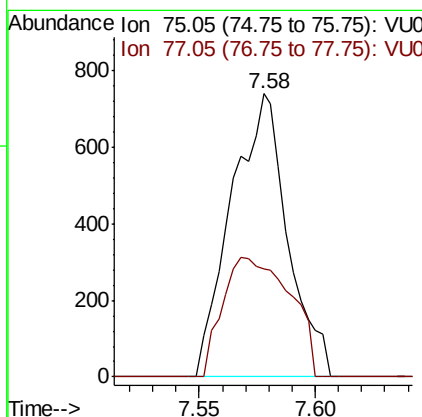
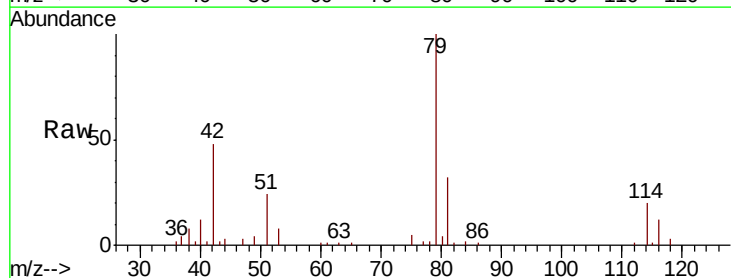
Instrument :
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 C0AK0

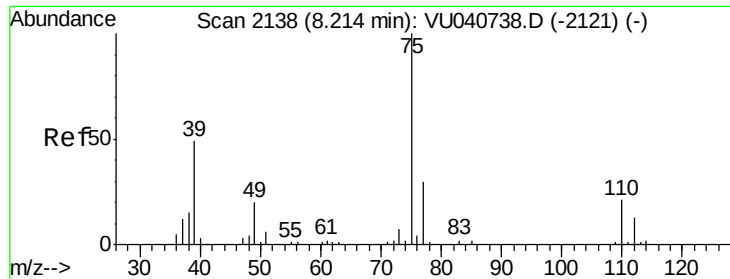
Tot Ion: 63 Resp: 6240
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.090 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU040754.D
 Acq: 16 Oct 2020 17:51

Tgt Ion: 75 Resp: 1251
 Ion Ratio Lower Upper
 75 100
 77 38.2 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.071 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040754.D

Acq: 16 Oct 2020 17:51

Instrument :

MSVOA_U

ClientSampled :

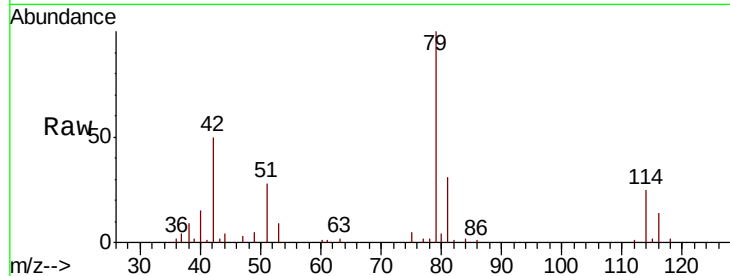
C0AK0

Tot Ion: 75 Resp: 910

Ion Ratio Lower Upper

75 100

77 47.5 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

500

400

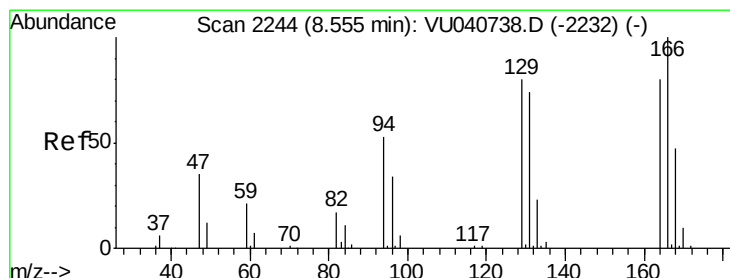
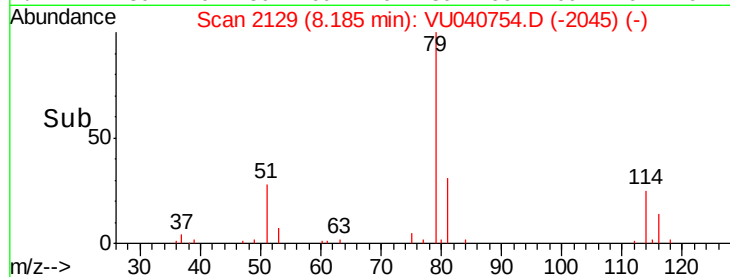
300

200

100

0

Time-->



#47

Tetrachloroethene

Concen: 0.436 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040754.D

Acq: 16 Oct 2020 17:51

Tgt Ion: 164 Resp: 2936

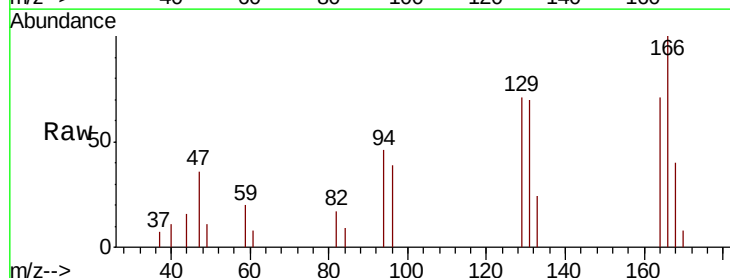
Ion Ratio Lower Upper

164 100

129 99.9 68.8 127.8

131 98.9 66.7 123.9

166 140.6 83.9 155.7



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

4000

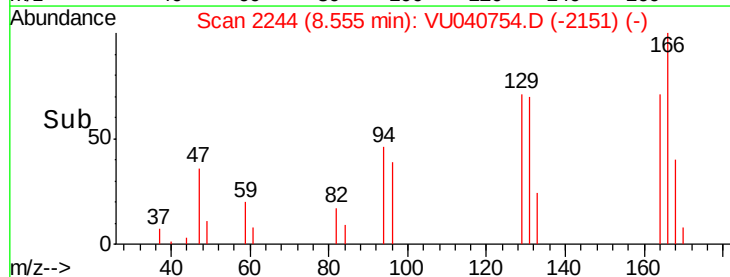
3000

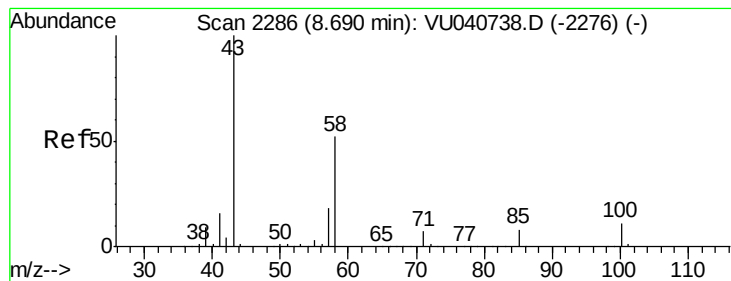
2000

1000

0

Time-->





#48

2-Hexanone

Concen: 2.989 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040754.D

Acq: 16 Oct 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

C0AK0

Tot Ion: 43 Resp: 18009

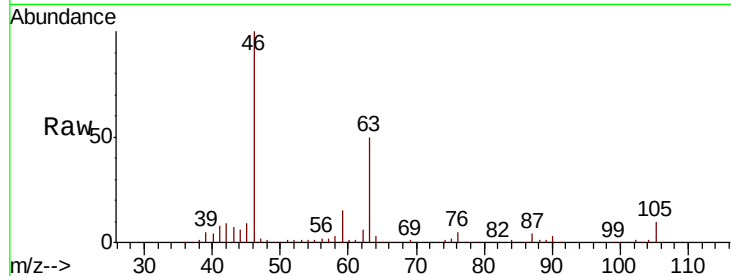
Ion Ratio Lower Upper

43 100

58 30.7 41.0 61.6#

57 27.3 14.4 21.6#

100 1.7 8.6 13.0#

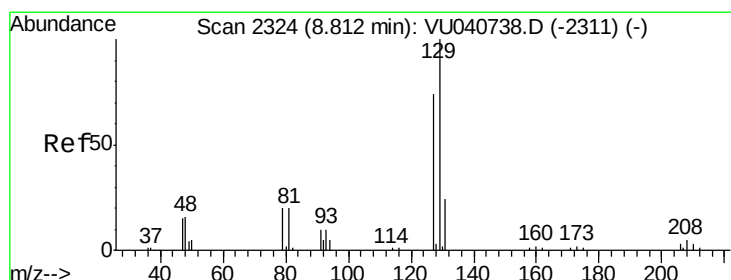
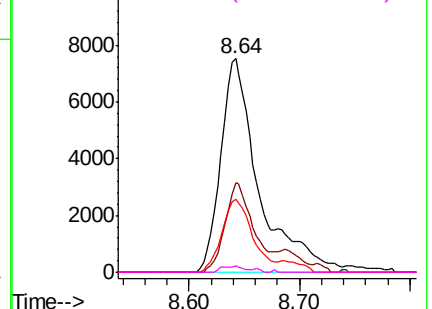
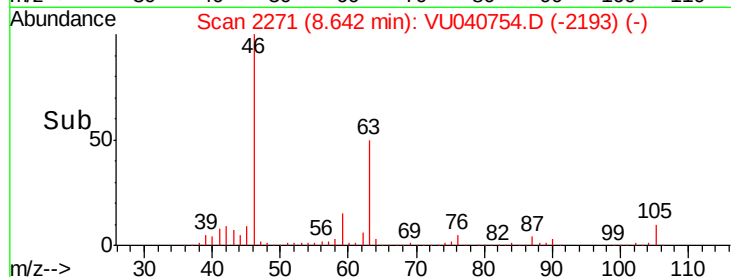


Abundance Ion 43.05 (42.75 to 43.75): VU040738.D (-2276) (-)

Ion 58.05 (57.75 to 58.75): VU040738.D (-2276) (-)

Ion 57.20 (56.90 to 57.90): VU040738.D (-2276) (-)

Ion 100.15 (99.85 to 100.85): VU040738.D (-2276) (-)



#49

Dibromochloromethane

Concen: 0.313 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040754.D

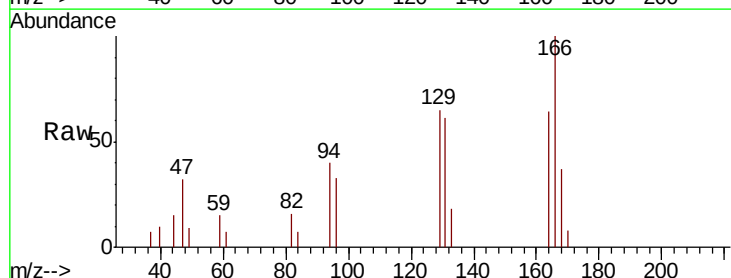
Acq: 16 Oct 2020 17:51

Tgt Ion: 129 Resp: 2736

Ion Ratio Lower Upper

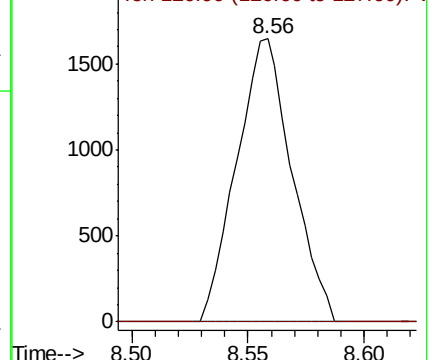
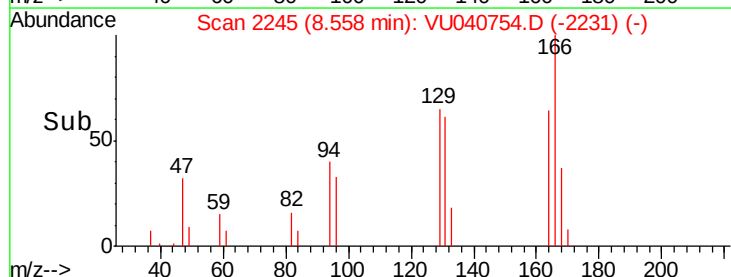
129 100

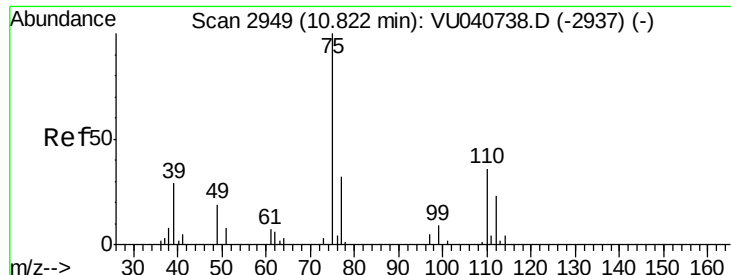
127 0.0 55.8 103.6#



Abundance Ion 128.95 (128.65 to 129.65): VU040738.D (-2311) (-)

Ion 126.90 (126.60 to 127.60): VU040738.D (-2311) (-)





#59

1,2,3-Trichloropropane

Concen: 0.840 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040754.D

Acq: 16 Oct 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

C0AK0

Tot Ion: 75 Resp: 6261

Ion Ratio Lower Upper

75 100

77 33.4 26.4 39.6

