

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100320\
 Data File : VU040498.D
 Acq On : 03 Oct 2020 22:29
 Operator : SY/MD
 Sample : L4240-10 200X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3S8

Quant Time: Oct 05 01:06:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 05 00:56:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	117854	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	120585	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51060	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	31296	5.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.20%
7) Chloroethane-d5	1.92	69	27459	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.60%
11) 1,1-Dichloroethene-d2	2.58	63	49739	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	4.66	46	140676	48.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.08%
24) Chloroform-d	5.08	84	68450	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.72	65	43781	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.75	84	131628	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.60%
36) 1,2-Dichloropropane-d6	6.70	67	45240	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.91	98	107878	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
43) trans-1,3-Dichloropropene-	8.19	79	17200	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.64	63	91913	43.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.36%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	39758	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	40761	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	611	0.090	ug/L #	55
15) Methyl Acetate	3.10	43	213555	36.716	ug/L #	56
16) Methylene chloride	3.06	84	1655	0.147	ug/L #	76
19) 1,1-Dichloroethane	3.72	63	2105	0.111	ug/L #	1
25) Chloroform	5.11	83	3163	0.163	ug/L	94
30) Cyclohexane	5.40	56	1190	0.070	ug/L #	85
34) Trichloroethene	6.27	95	2267	0.211	ug/L #	8
37) 1,2-Dichloropropane	6.70	63	5139	0.456	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1320	0.087	ug/L #	53
44) trans-1,3-Dichloropropene	8.19	75	726	0.052	ug/L #	69
47) Tetrachloroethene	8.56	164	2354	0.309	ug/L	91
48) 2-Hexanone	8.64	43	13039	2.007	ug/L #	71
49) Dibromochloromethane	8.56	129	2132	0.232	ug/L #	10
51) Chlorobenzene	9.45	112	6946	0.259	ug/L	96
59) 1,2,3-Trichloropropane	11.81	75	8348	1.023	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	1210	0.072	ug/L	93
63) 1,4-Dichlorobenzene	11.84	146	3089	0.176	ug/L	87

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 05 00:56:13 2020
Response via : Initial Calibration

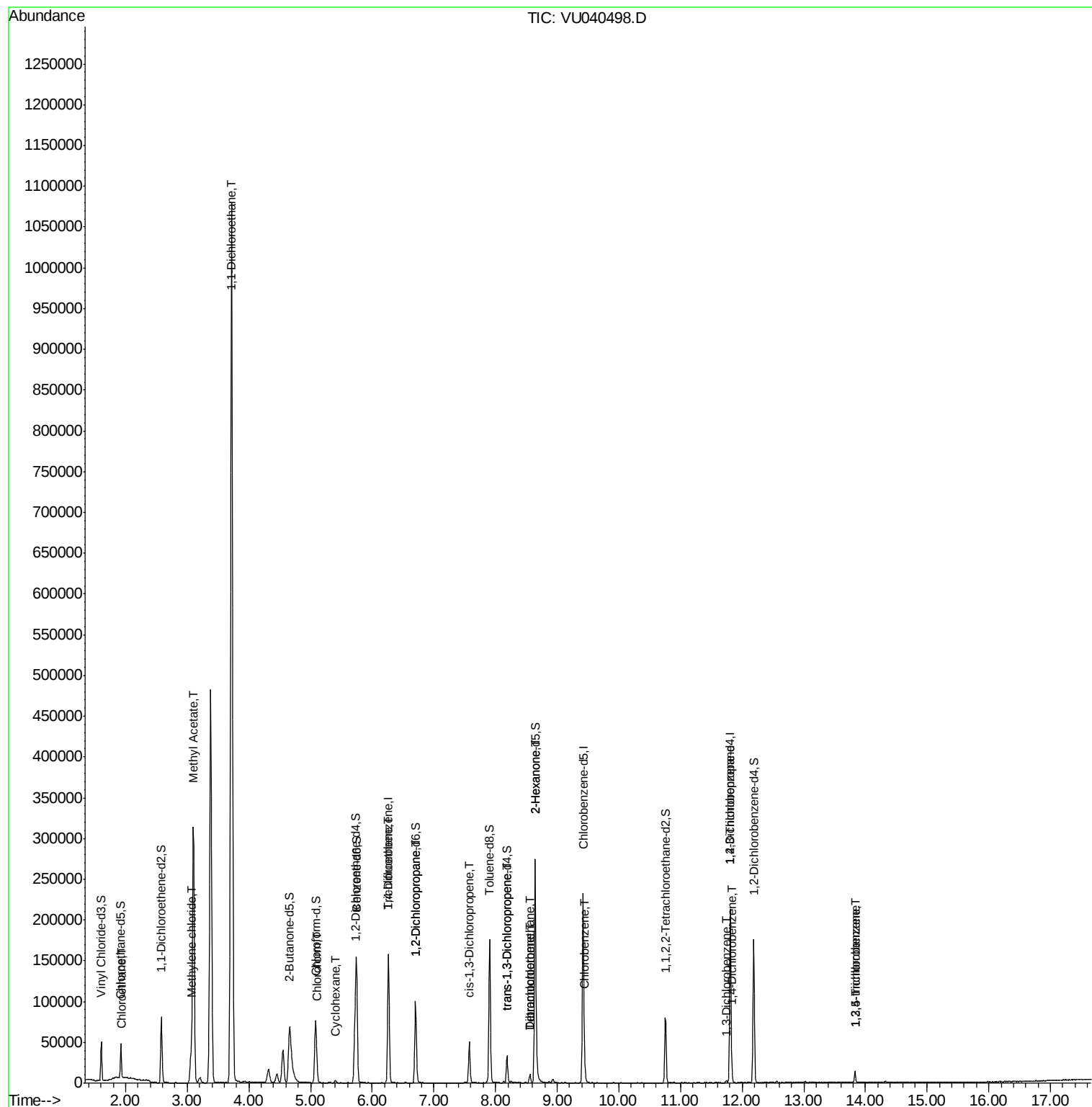
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,3,5-Trichlorobenzene	13.83	180	3861	0.320	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	3861	0.398	ug/L	98

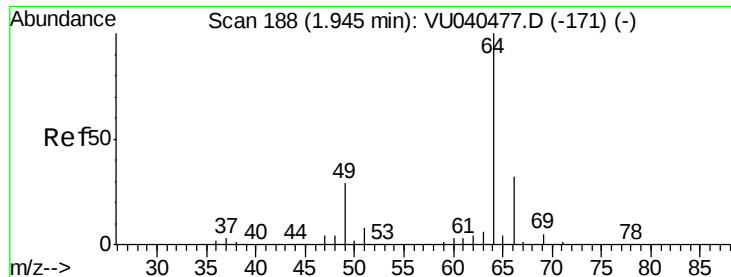
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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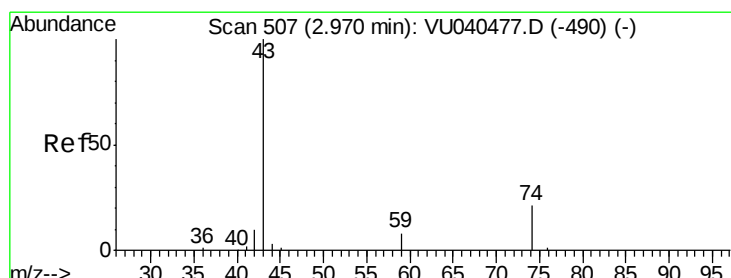
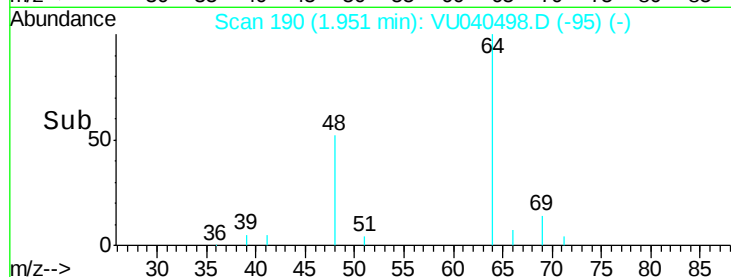
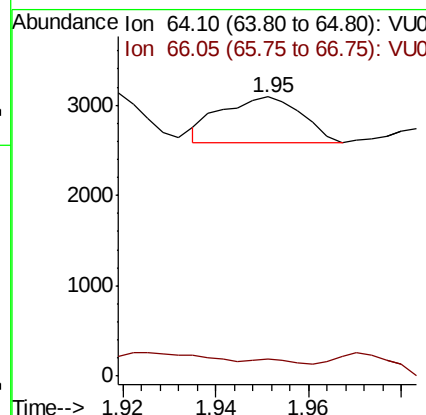
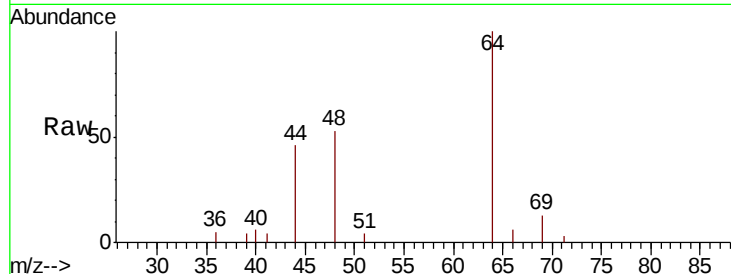




#8
Chloroethane
Concen: 0.090 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.01 min
Lab File: VU040498.D
Acq: 03 Oct 2020 22:29

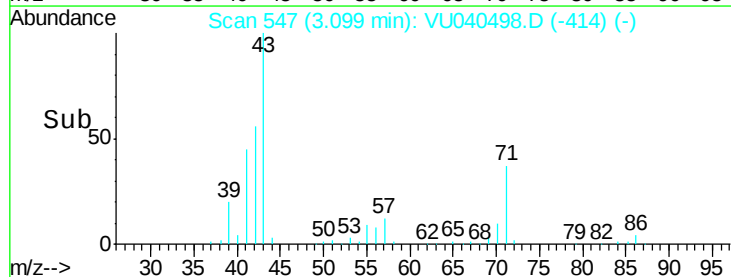
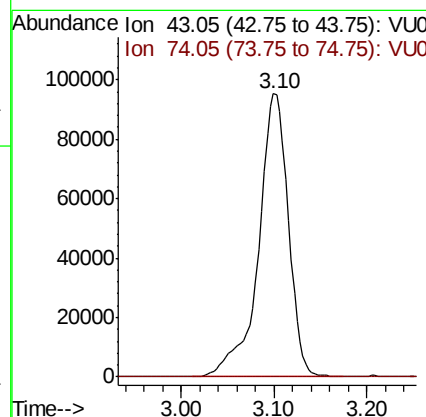
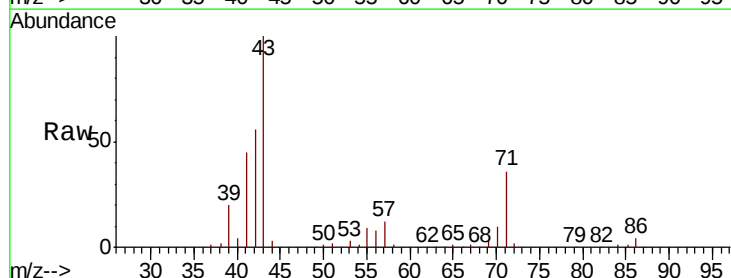
Instrument :
MSVOA_U
ClientSampleId :
BG3S8

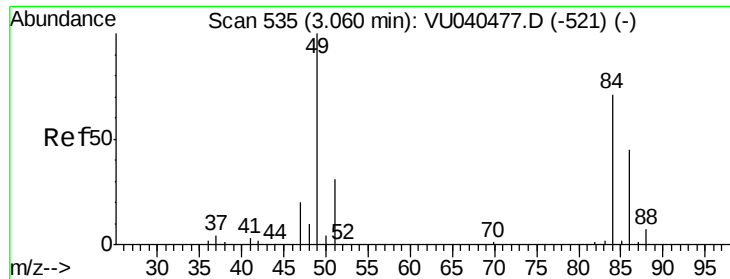
Tot Ion: 64 Resp: 611
Ion Ratio Lower Upper
64 100
66 6.0 21.3 39.6#



#15
Methyl Acetate
Concen: 36.716 ug/L
RT: 3.10 min Scan# 547
Delta R.T. 0.13 min
Lab File: VU040498.D
Acq: 03 Oct 2020 22:29

Tgt Ion: 43 Resp: 213555
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#

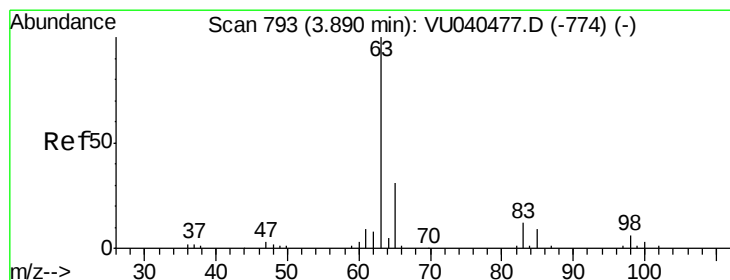
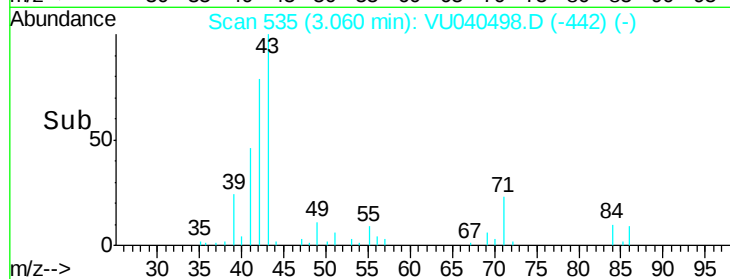
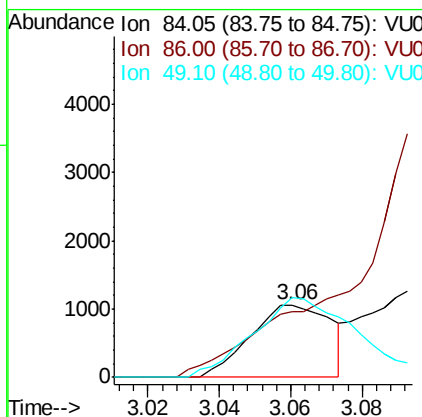
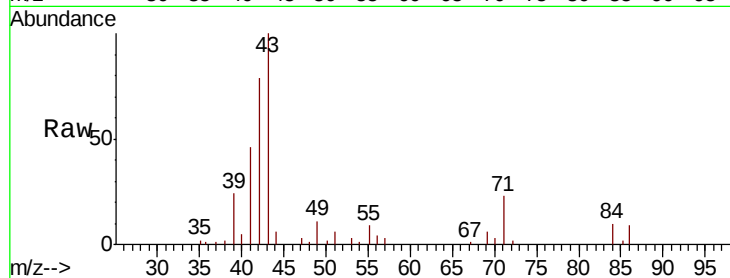




#16
Methvlene chloride
Concen: 0.147 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040498.D
Acq: 03 Oct 2020 22:29

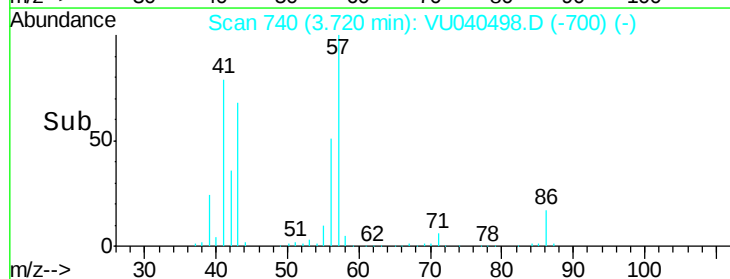
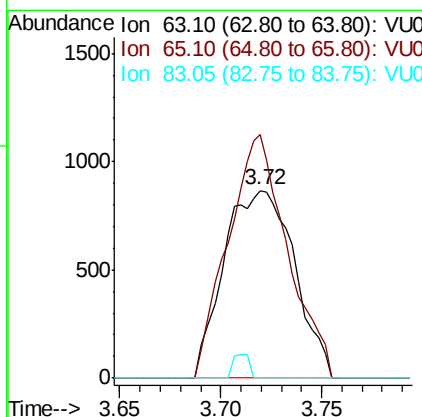
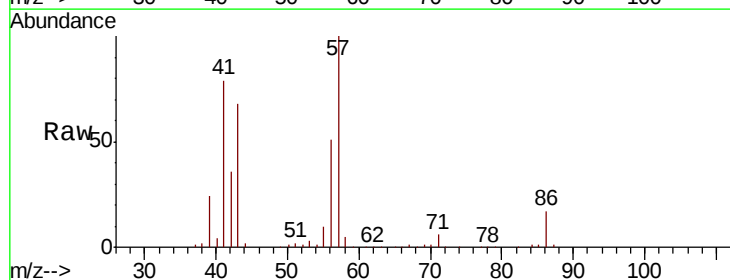
Instrument :
MSVOA_U
ClientSampleId :
BG3S8

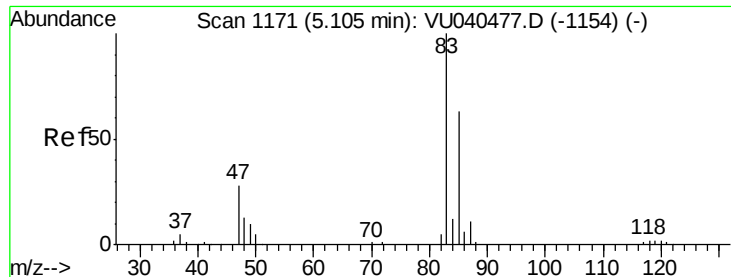
Tot Ion: 84 Resp: 1655
Ion Ratio Lower Upper
84 100
86 90.0 44.4 82.5#
49 110.1 92.2 171.2



#19
1,1-Dichloroethane
Concen: 0.111 ug/L
RT: 3.72 min Scan# 740
Delta R.T. -0.17 min
Lab File: VU040498.D
Acq: 03 Oct 2020 22:29

Tgt Ion: 63 Resp: 2105
Ion Ratio Lower Upper
63 100
65 129.8 21.7 40.3#
83 0.0 9.1 16.9#

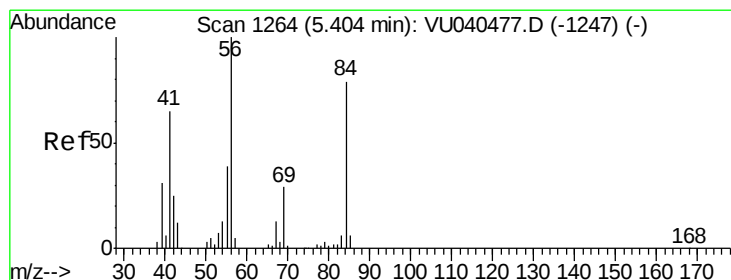
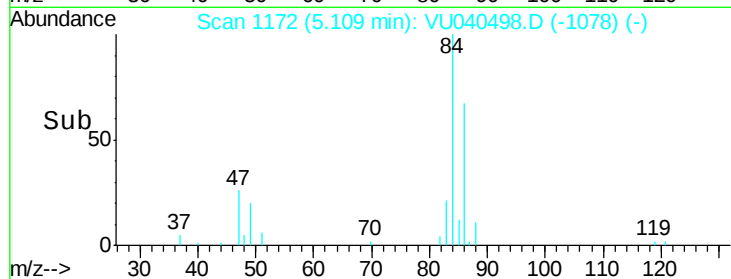
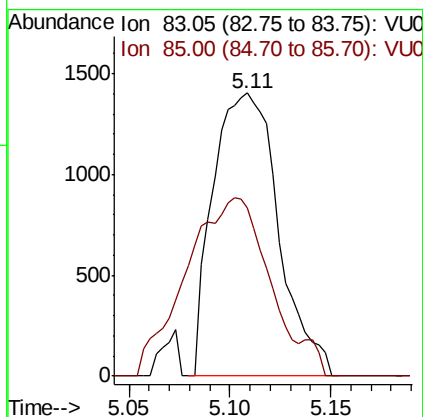
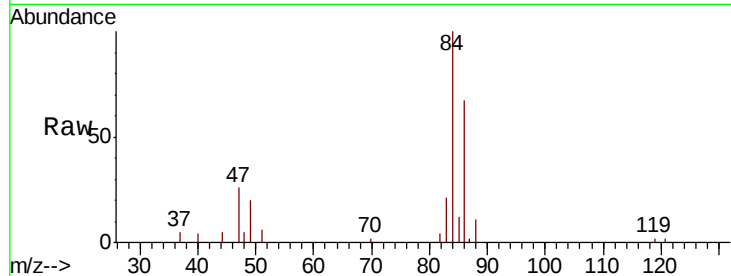




#25
Chloroform
Concen: 0.163 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040498.D
Acq: 03 Oct 2020 22:29

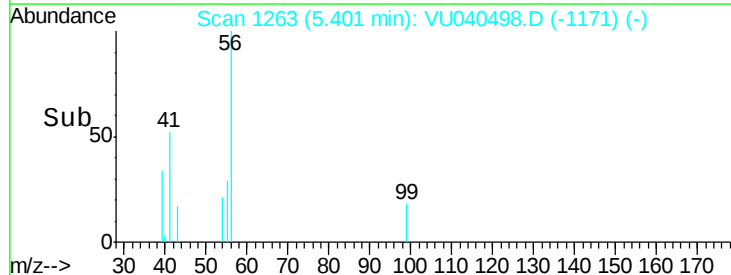
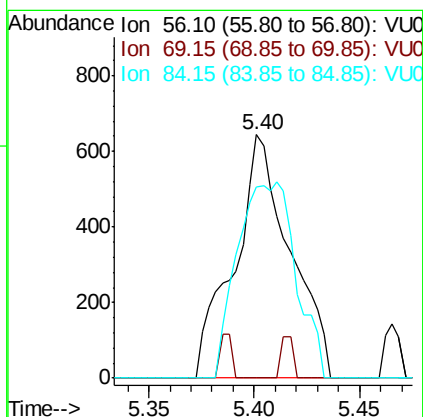
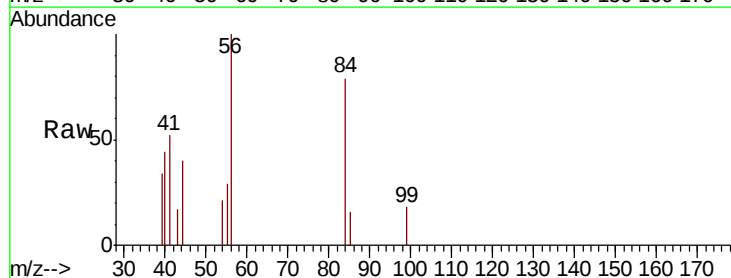
Instrument :
MSVOA_U
ClientSampleId :
BG3S8

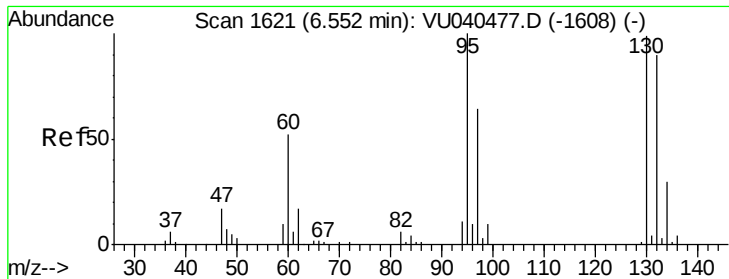
Tot Ion: 83 Resp: 3163
Ion Ratio Lower Upper
83 100
85 59.3 44.6 82.8



#30
Cyclohexane
Concen: 0.070 ug/L
RT: 5.40 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VU040498.D
Acq: 03 Oct 2020 22:29

Tgt Ion: 56 Resp: 1190
Ion Ratio Lower Upper
56 100
69 3.5 23.3 34.9#
84 83.5 64.2 96.4





#34

Trichloroethene

Concen: 0.211 ug/L

RT: 6.27 min Scan# 1532

Delta R.T. -0.29 min

Lab File: VU040498.D

Acq: 03 Oct 2020 22:29

Instrument :

MSVOA_U

ClientSampleId :

BG3S8

Tot Ion: 95 Resp: 2267

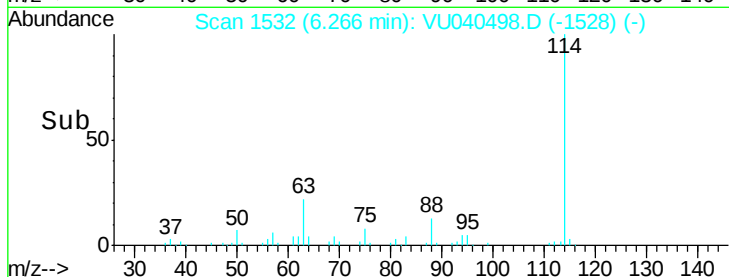
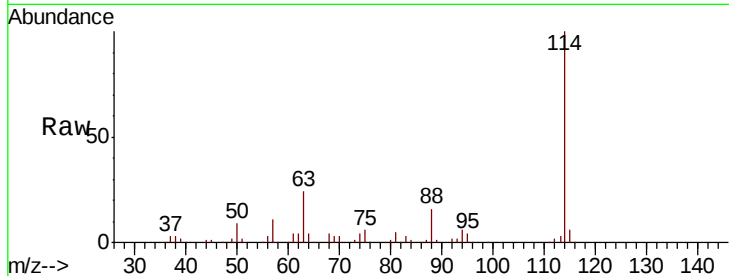
Ion Ratio Lower Upper

95 100

97 0.0 46.3 85.9#

132 0.0 60.5 112.3#

130 0.0 64.3 119.3#

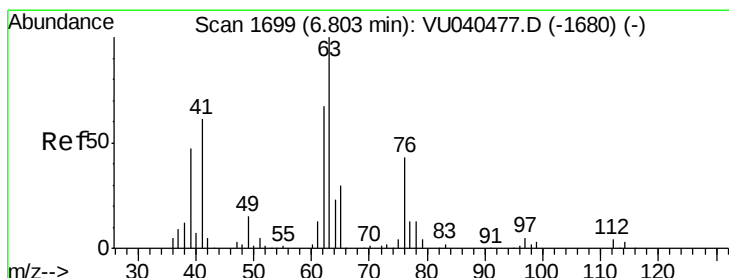
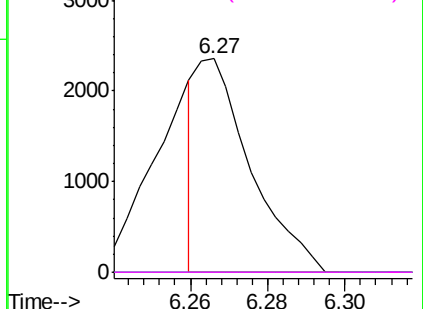


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#37

1,2-Dichloropropane

Concen: 0.456 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040498.D

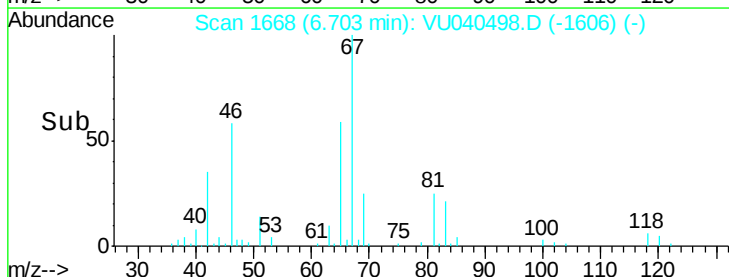
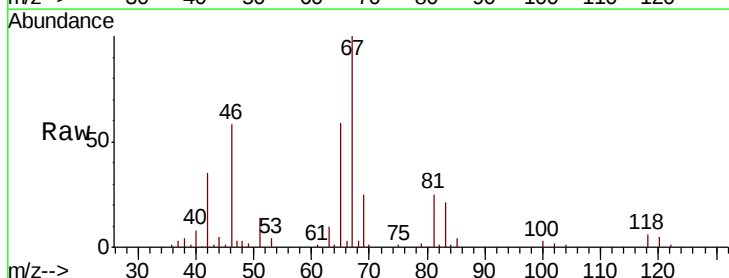
Acq: 03 Oct 2020 22:29

Tgt Ion: 63 Resp: 5139

Ion Ratio Lower Upper

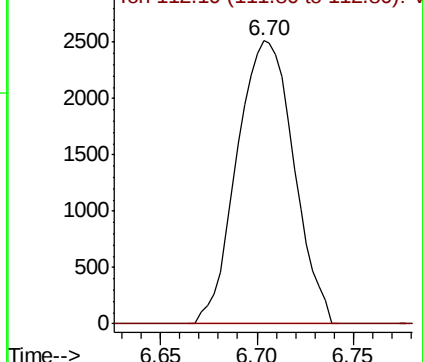
63 100

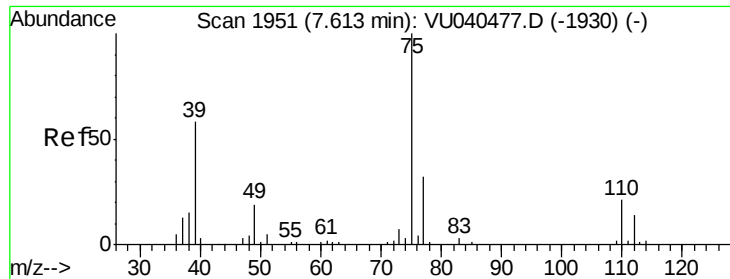
112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



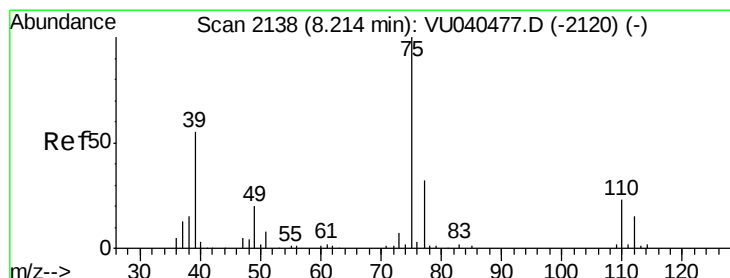
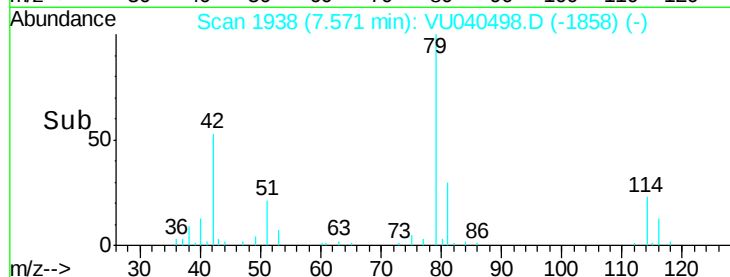
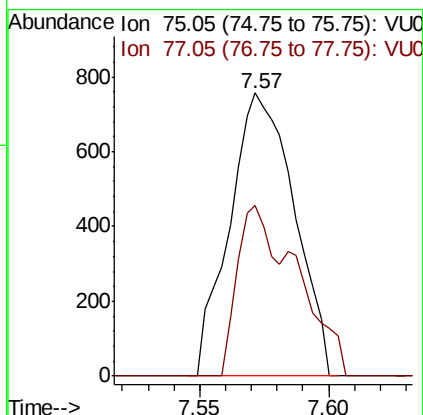
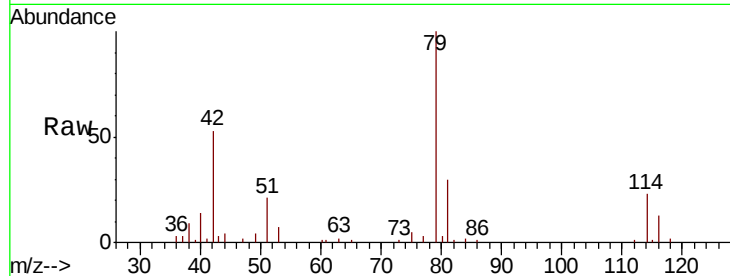


#39

cis-1,3-Dichloropropene
Concen: 0.087 ug/L
RT: 7.57 min Scan# 1938
Delta R.T. -0.04 min
Lab File: VU040498.D
Acq: 03 Oct 2020 22:29

Instrument :
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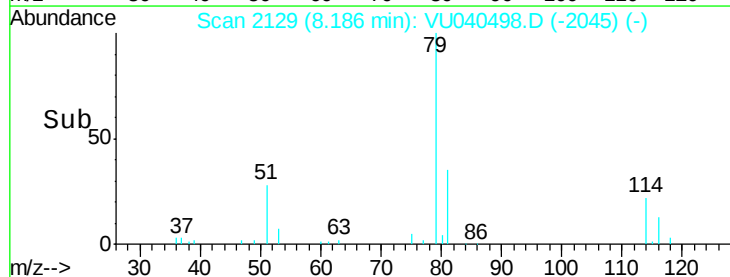
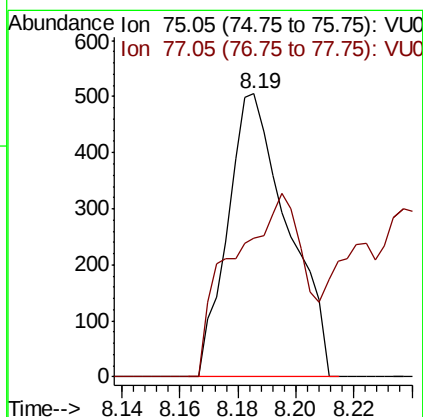
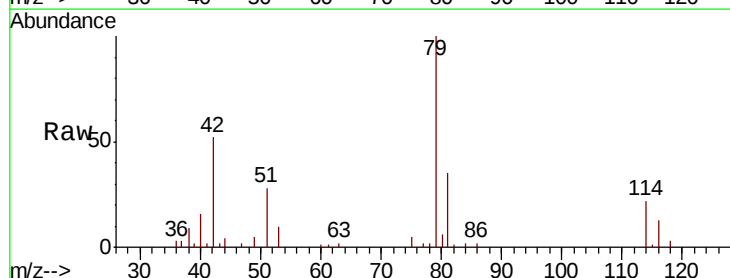
Tot Ion: 75 Resp: 1320
Ion Ratio Lower Upper
75 100
77 60.4 23.5 43.7#

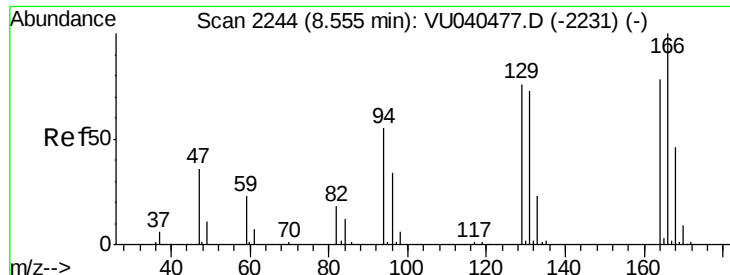


#44

trans-1,3-Dichloropropene
Concen: 0.052 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU040498.D
Acq: 03 Oct 2020 22:29

Tgt Ion: 75 Resp: 726
Ion Ratio Lower Upper
75 100
77 48.9 22.3 41.3#





#47

Tetrachloroethene

Concen: 0.309 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040498.D

Acq: 03 Oct 2020 22:29

Instrument :

MSVOA_U

ClientSampleId :

BG3S8

Tot Ion:164 Resp: 2354

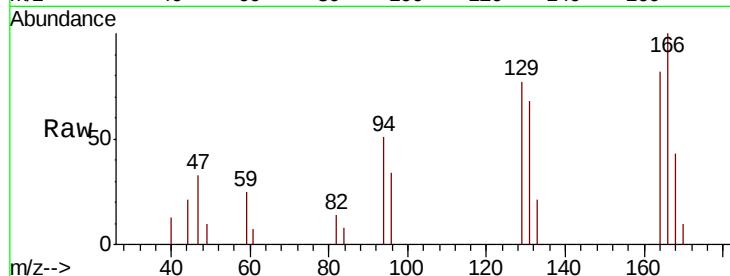
Ion Ratio Lower Upper

164 100

129 94.9 70.3 130.7

131 83.5 69.2 128.6

166 122.6 91.1 169.3

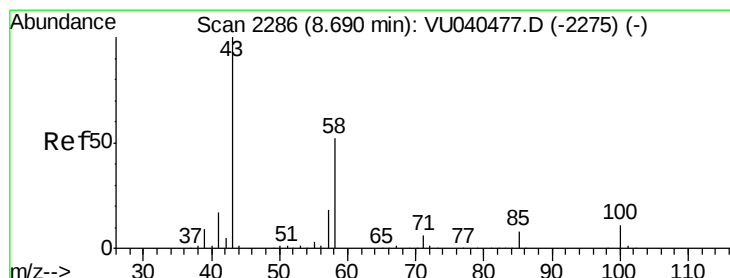
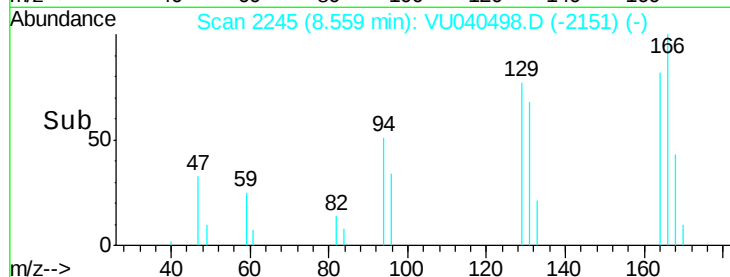
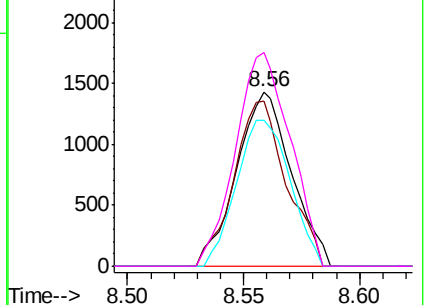


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.007 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040498.D

Acq: 03 Oct 2020 22:29

Tgt Ion: 43 Resp: 13039

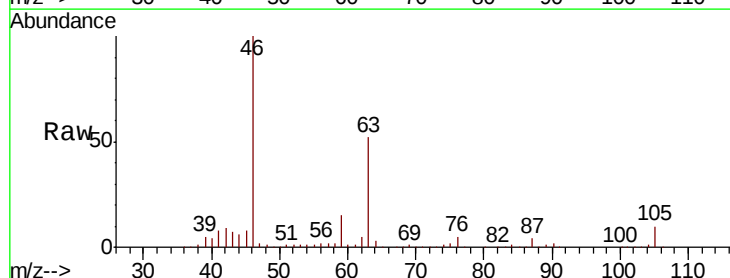
Ion Ratio Lower Upper

43 100

58 30.2 41.0 61.4#

57 31.9 14.6 22.0#

100 1.3 8.2 12.4#

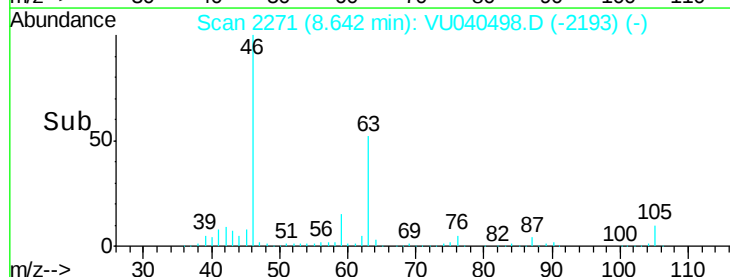
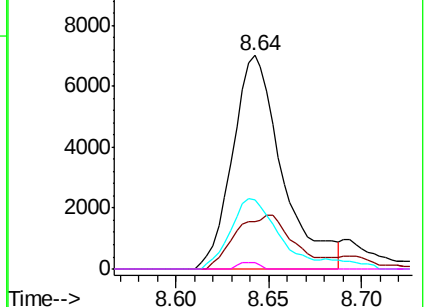


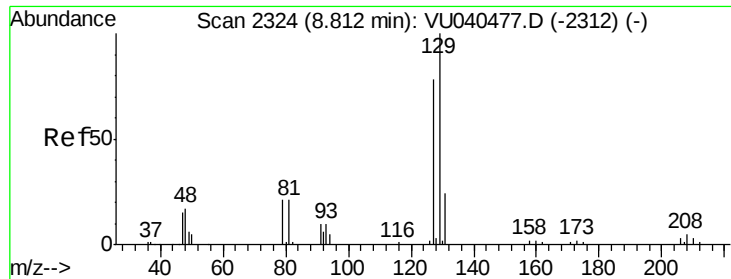
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.232 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040498.D

Acq: 03 Oct 2020 22:29

Instrument :

MSVOA_U

ClientSampleId :

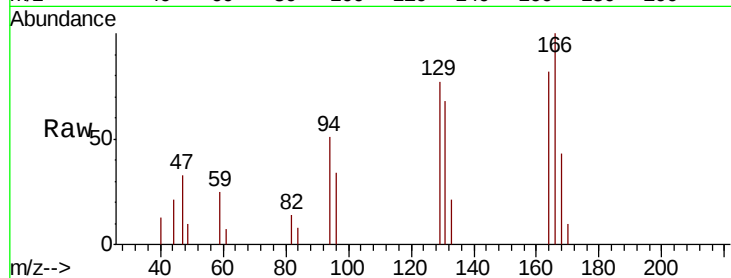
BG3S8

Tot Ion:129 Resp: 2132

Ion Ratio Lower Upper

129 100

127 0.0 55.4 103.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

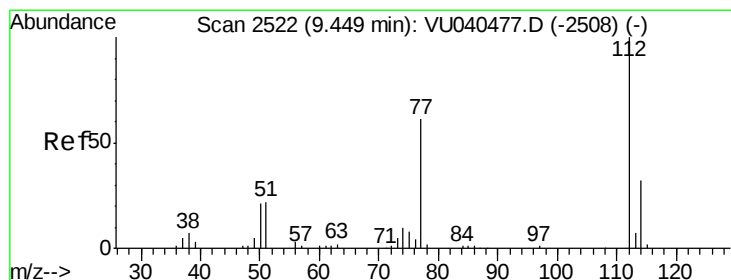
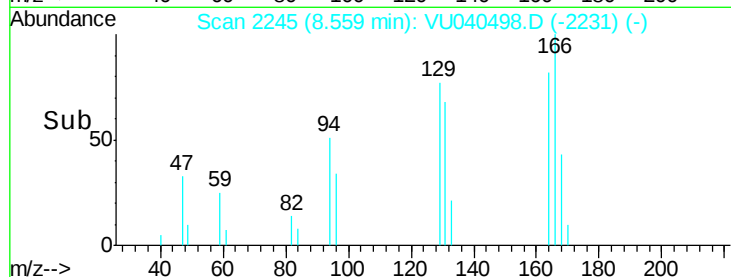
1500

1000

500

0

Time--> 8.50 8.55 8.60



#51

Chlorobenzene

Concen: 0.259 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040498.D

Acq: 03 Oct 2020 22:29

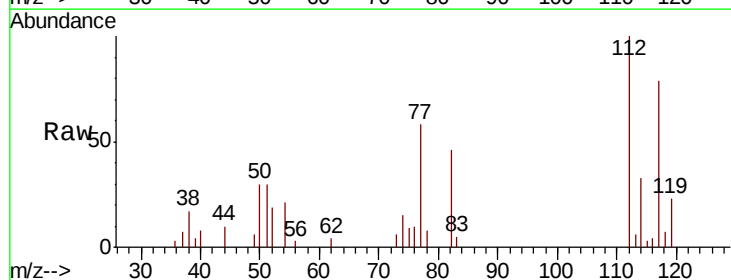
Tgt Ion:112 Resp: 6946

Ion Ratio Lower Upper

112 100

114 32.6 22.0 40.8

77 58.4 49.5 74.3



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

9.45

6000

5000

4000

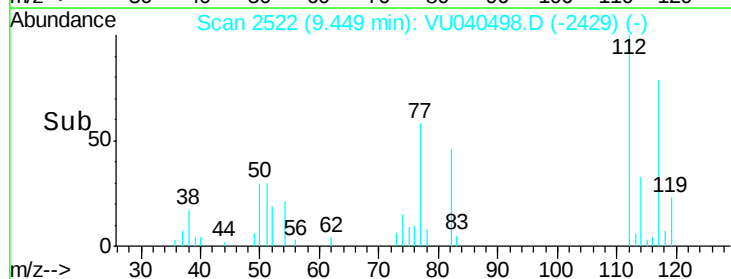
3000

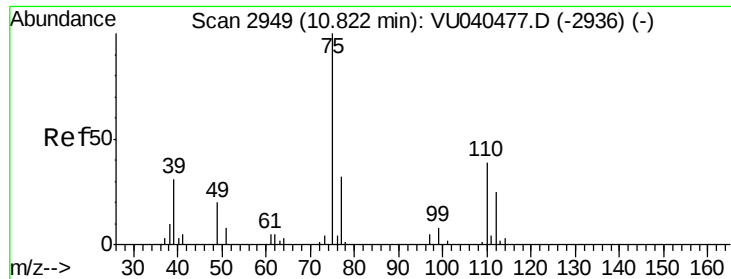
2000

1000

0

Time--> 9.40 9.45 9.50

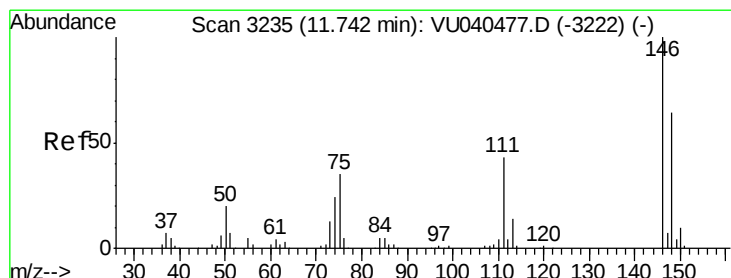
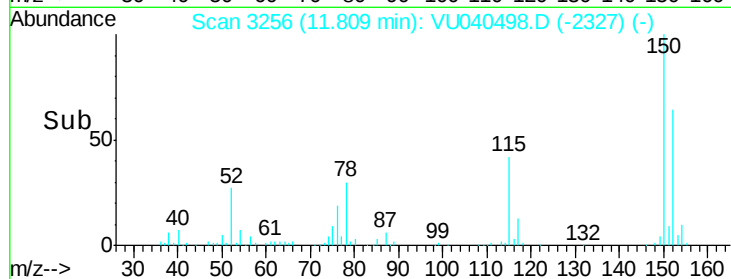
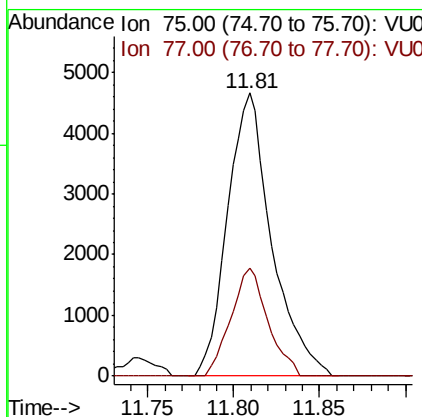
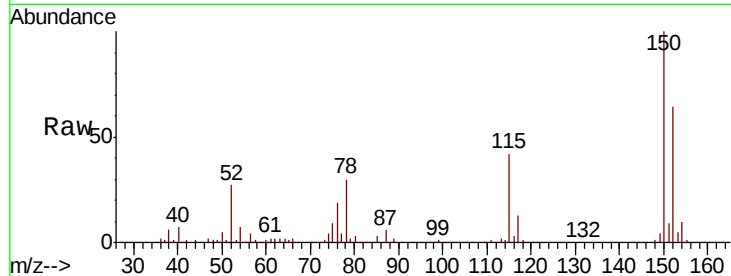




#59
 1,2,3-Trichloropropane
 Concen: 1.023 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU040498.D
 Acq: 03 Oct 2020 22:29

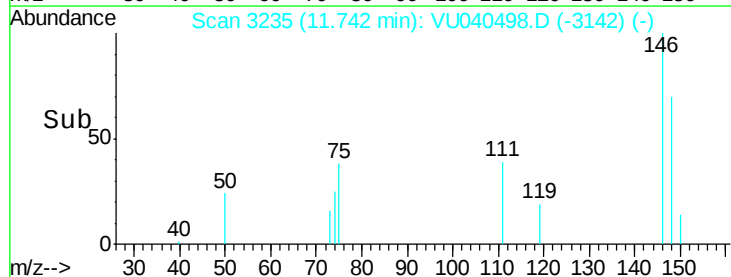
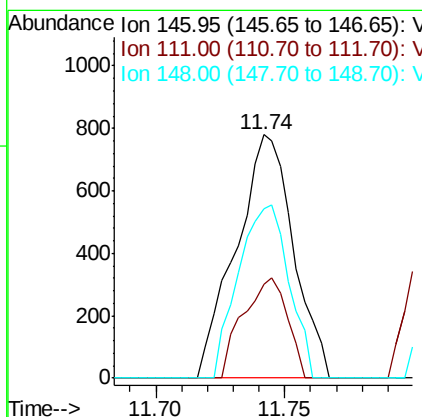
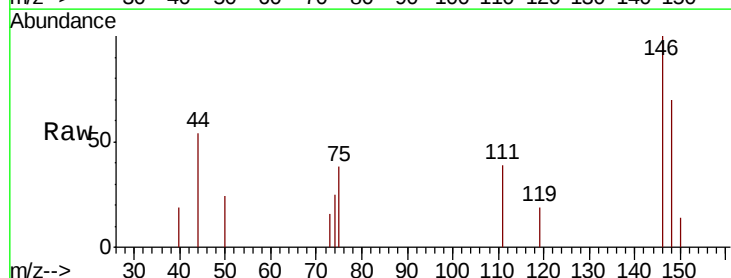
Instrument :
 MSVOA_U
 ClientSampleId :
 BG3S8

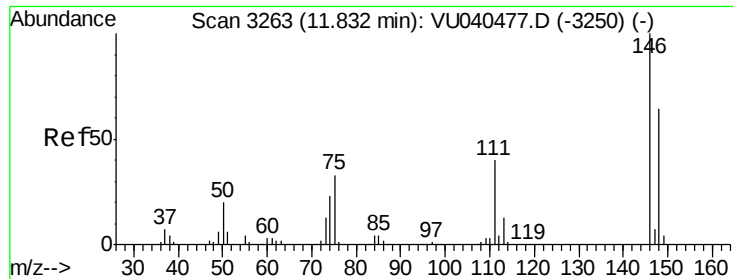
Tot Ion: 75 Resp: 8348
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.7 38.5



#62
 1,3-Dichlorobenzene
 Concen: 0.072 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040498.D
 Acq: 03 Oct 2020 22:29

Tgt Ion: 146 Resp: 1210
 Ion Ratio Lower Upper
 146 100
 111 38.6 28.6 53.0
 148 69.7 43.4 80.6

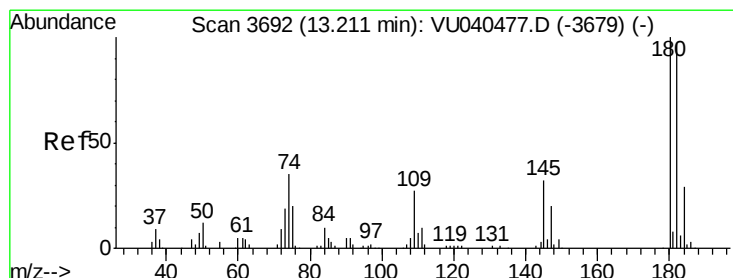
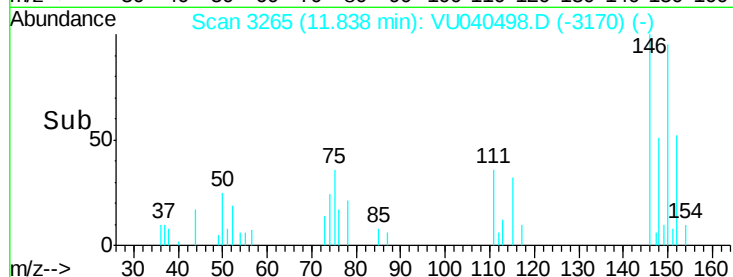
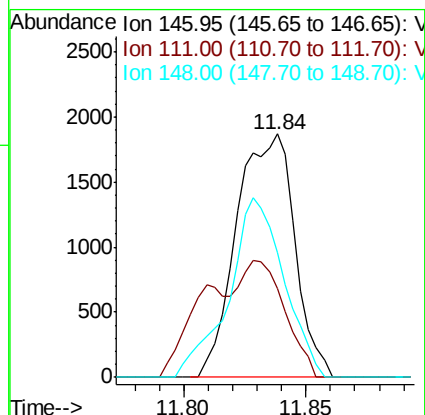
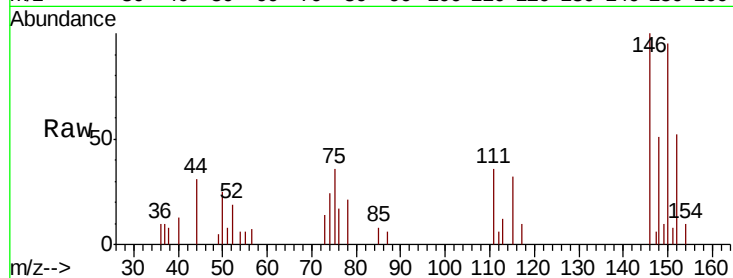




#63
 1,4-Dichlorobenzene
 Concen: 0.176 ug/L
 RT: 11.84 min Scan# 3265
 Delta R.T. 0.01 min
 Lab File: VU040498.D
 Acq: 03 Oct 2020 22:29

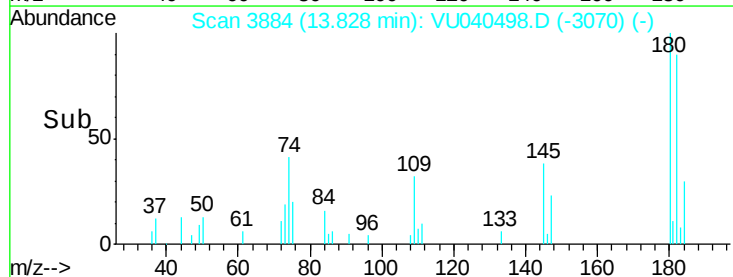
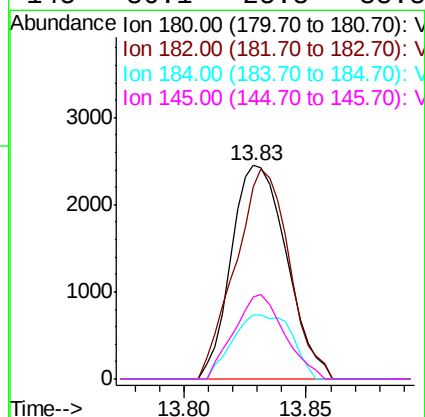
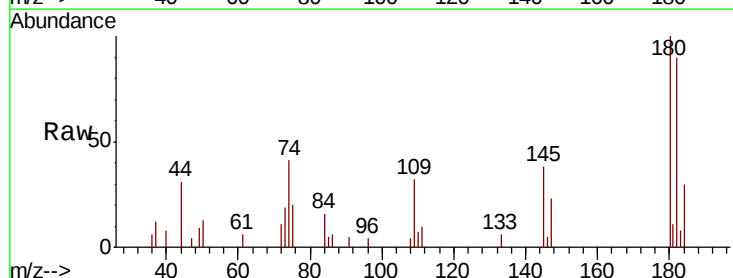
Instrument :
 MSVOA_U
 ClientSampleId :
 BG3S8

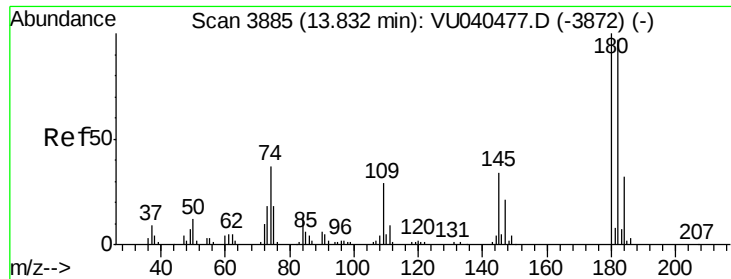
Tot Ion:146 Resp: 3089
 Ion Ratio Lower Upper
 146 100
 111 36.5 29.2 54.2
 148 51.3 44.4 82.4



#67
 1,3,5-Trichlorobenzene
 Concen: 0.320 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.62 min
 Lab File: VU040498.D
 Acq: 03 Oct 2020 22:29

Tgt Ion:180 Resp: 3861
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.5 114.7
 184 32.2 24.6 37.0
 145 36.1 25.8 38.8

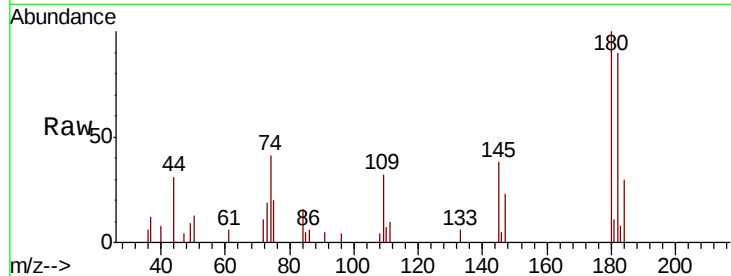




#68
 1,2,4-trichlorobenzene
 Concen: 0.398 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040498.D
 Acq: 03 Oct 2020 22:29

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3S8

Tot Ion:	180	Resp:	3861
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	115.0
145	36.1	26.3	39.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

