

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100320\
 Data File : VU040497.D
 Acq On : 03 Oct 2020 22:06
 Operator : SY/MD
 Sample : L4240-15 200X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3T7

Quant Time: Oct 05 01:06:28 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	110719	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	112488	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46477	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	30695	5.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.00%
7) Chloroethane-d5	1.93	69	26822	5.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.80%
11) 1,1-Dichloroethene-d2	2.58	63	50888	3.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.20%
20) 2-Butanone-d5	4.66	46	141357	51.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.84%
24) Chloroform-d	5.08	84	67490	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.72	65	43887	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
32) Benzene-d6	5.74	84	129398	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.40%
36) 1,2-Dichloropropane-d6	6.70	67	45442	5.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.80%
41) Toluene-d8	7.91	98	105712	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
43) trans-1,3-Dichloropropene-	8.19	79	16784	4.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.40%
46) 2-Hexanone-d5	8.64	63	90641	45.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.28%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	38962	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	41047	5.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.93	64	656	0.103	ug/L #	57
15) Methyl Acetate	3.06	43	2185	0.400	ug/L #	56
16) Methylene chloride	3.06	84	2448	0.231	ug/L	97
25) Chloroform	5.11	83	2704	0.148	ug/L	94
30) Cyclohexane	5.40	56	1023	0.064	ug/L #	80
33) Benzene	5.75	78	1208	0.032	ug/L	100
34) Trichloroethene	6.27	95	2053	0.205	ug/L #	8
35) Methylcyclohexane	6.70	83	10548	0.718	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	5073	0.483	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1271	0.090	ug/L #	66
44) trans-1,3-Dichloropropene	8.18	75	882	0.068	ug/L	86
47) Tetrachloroethene	8.56	164	2686	0.378	ug/L	84
48) 2-Hexanone	8.64	43	12746	2.103	ug/L #	70
49) Dibromochloromethane	8.56	129	2488	0.290	ug/L #	10
51) Chlorobenzene	9.45	112	28230	1.129	ug/L	95
59) 1,2,3-Trichloropropane	11.81	75	8216	1.079	ug/L	91
62) 1,3-Dichlorobenzene	11.74	146	2079	0.135	ug/L	96

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

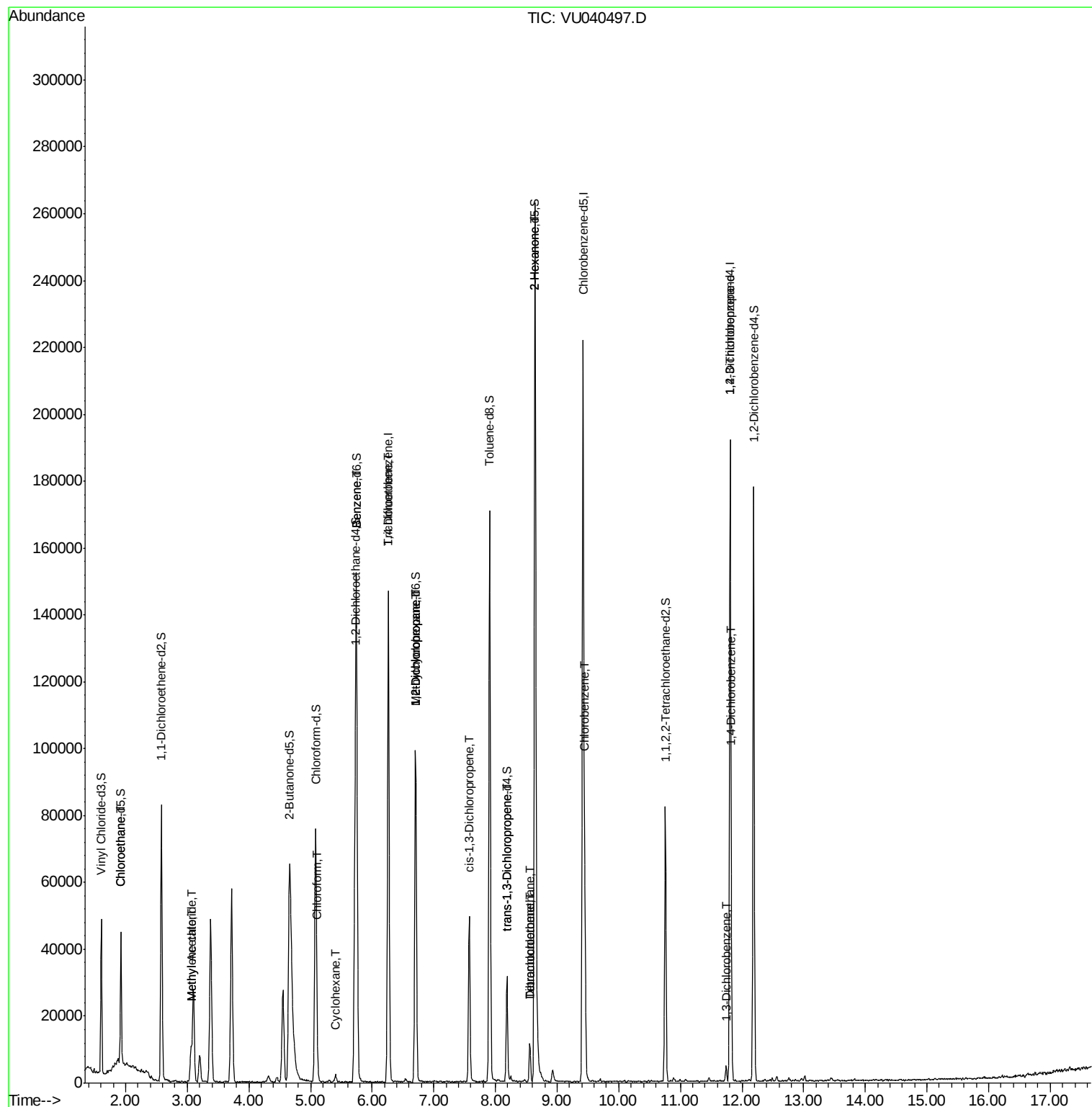
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,4-Dichlorobenzene	11.83	146	4133	0.258	ug/L	95

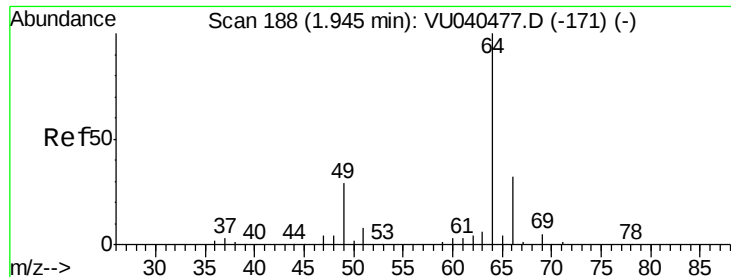
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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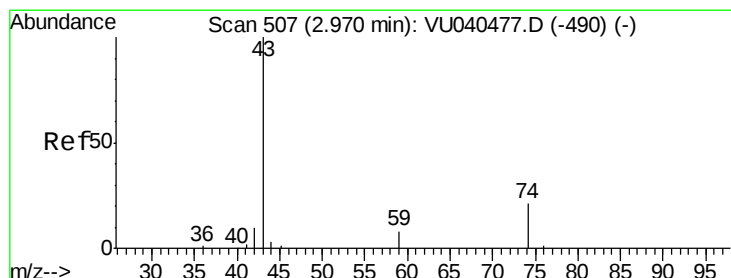
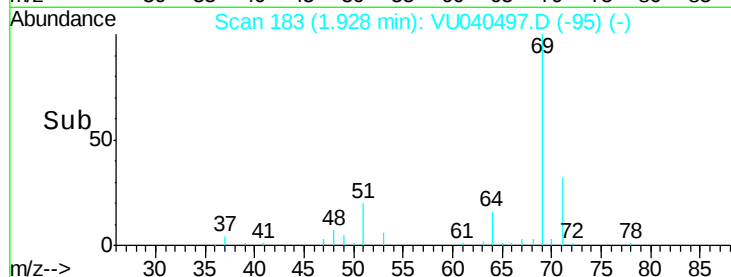
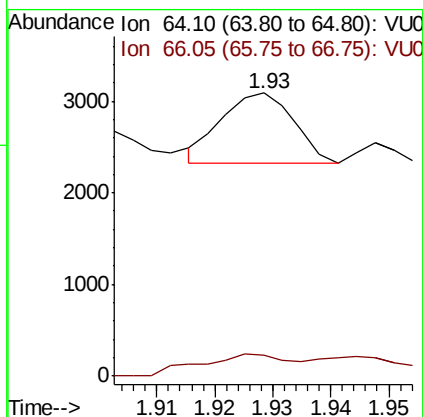
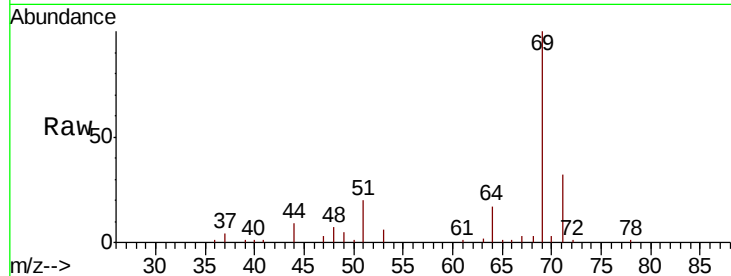




#8
Chloroethane
Concen: 0.103 ug/L
RT: 1.93 min Scan# 183
Delta R.T. -0.02 min
Lab File: VU040497.D
Acq: 03 Oct 2020 22:06

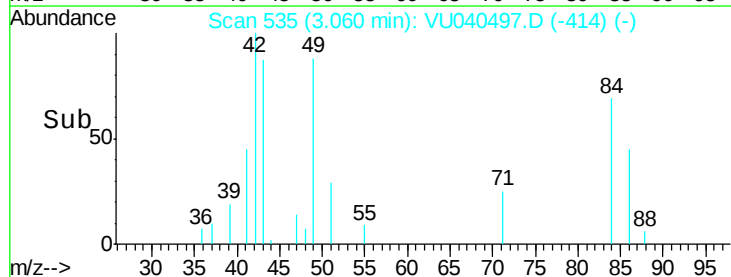
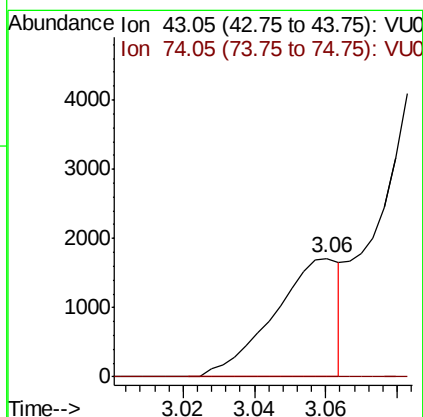
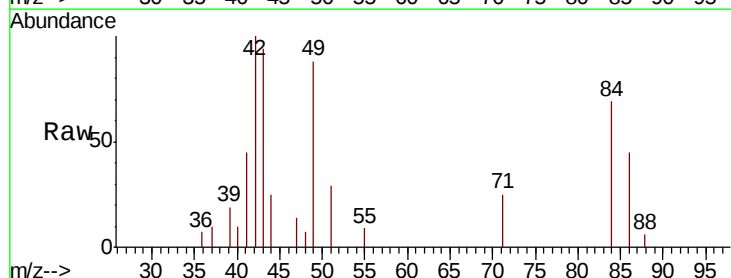
Instrument :
MSVOA_U
ClientSampleId :
BG3T7

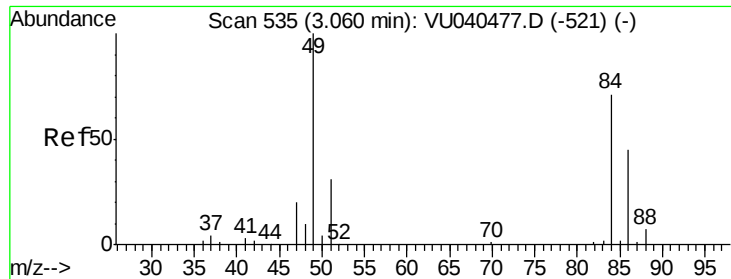
Tot Ion: 64 Resp: 656
Ion Ratio Lower Upper
64 100
66 7.3 21.3 39.6#



#15
Methyl Acetate
Concen: 0.400 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.09 min
Lab File: VU040497.D
Acq: 03 Oct 2020 22:06

Tgt Ion: 43 Resp: 2185
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#

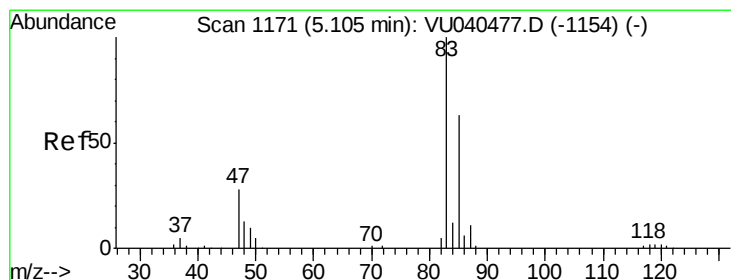
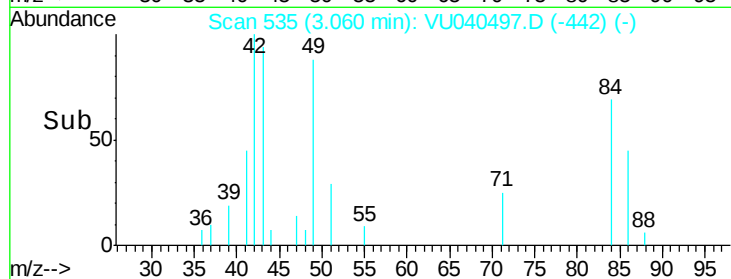
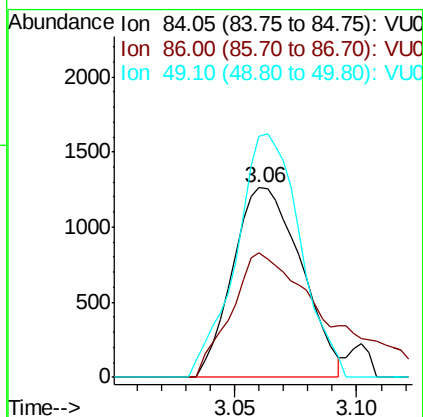
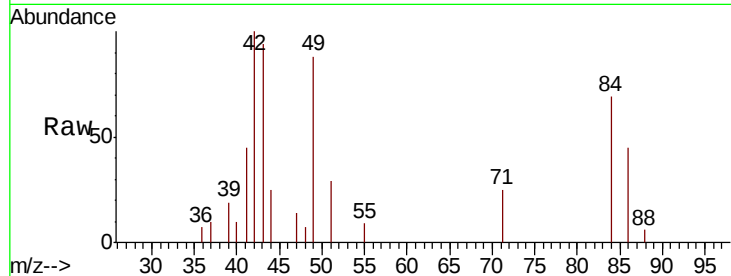




#16
Methvlene chloride
Concen: 0.231 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040497.D
Acq: 03 Oct 2020 22:06

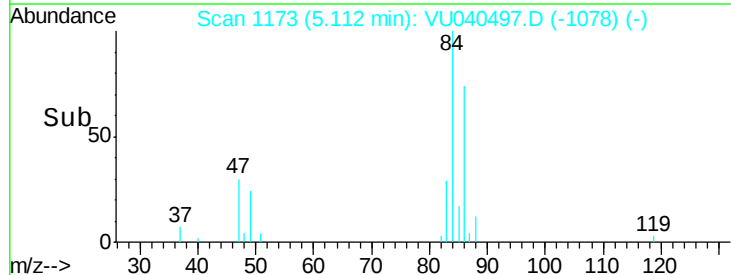
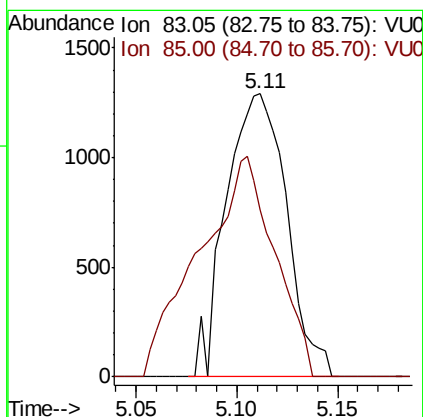
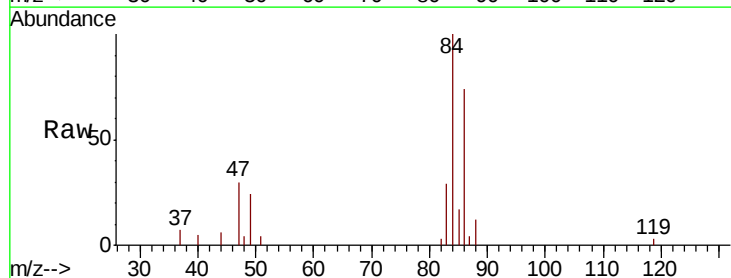
Instrument :
MSVOA_U
ClientSampled :
BG3T7

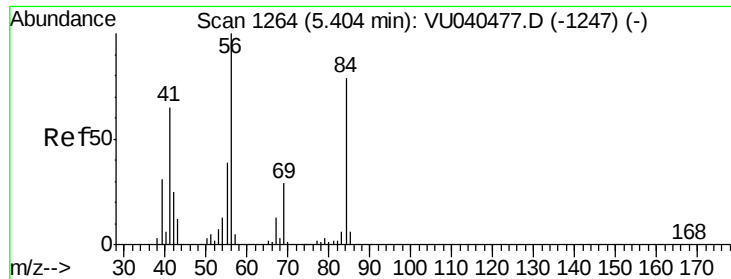
Tot Ion: 84 Resp: 2448
Ion Ratio Lower Upper
84 100
86 65.4 44.4 82.5
49 127.2 92.2 171.2



#25
Chloroform
Concen: 0.148 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU040497.D
Acq: 03 Oct 2020 22:06

Tgt Ion: 83 Resp: 2704
Ion Ratio Lower Upper
83 100
85 58.9 44.6 82.8

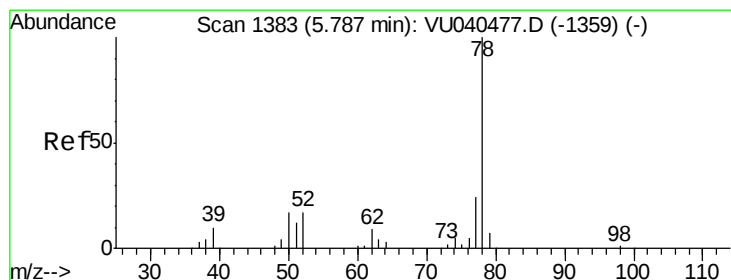
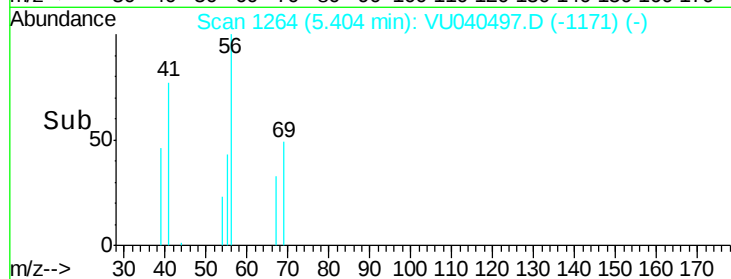
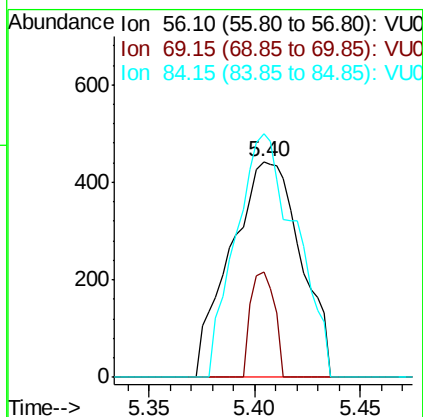
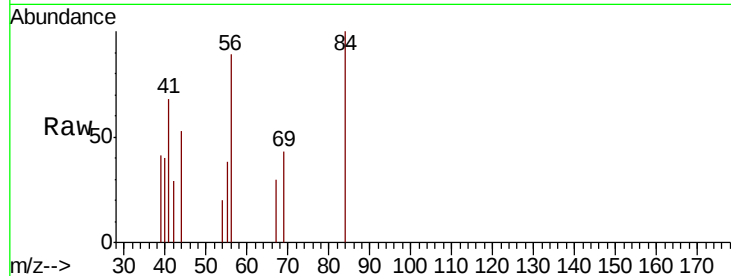




#30
Cyclohexane
Concen: 0.064 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU040497.D
Acq: 03 Oct 2020 22:06

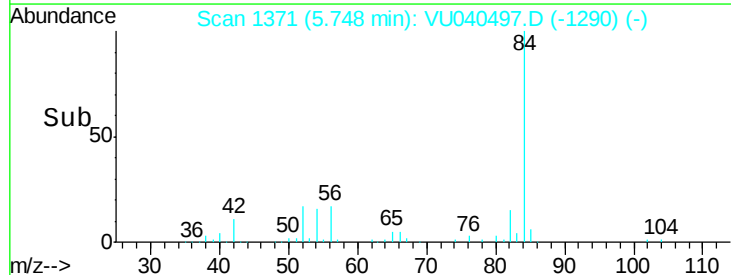
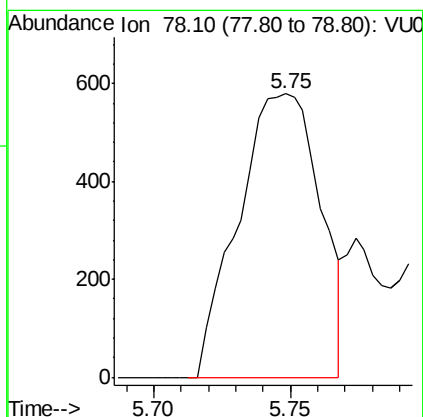
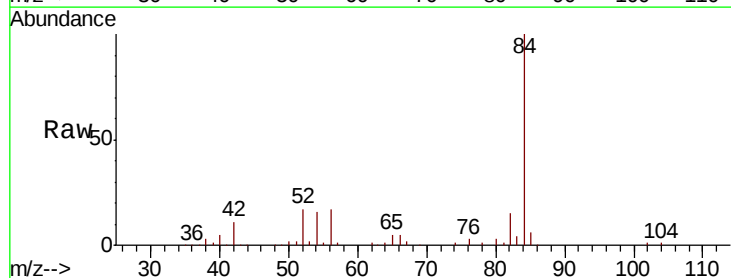
Instrument :
MSVOA_U
ClientSampleId :
BG3T7

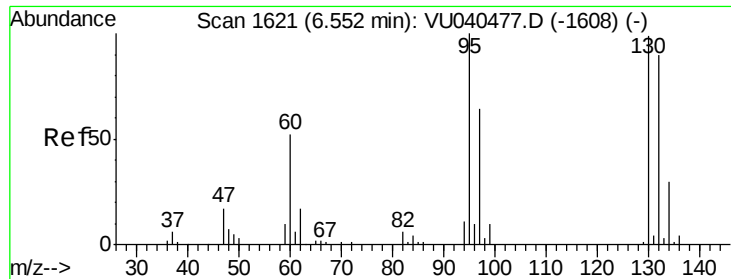
Tot Ion: 56 Resp: 1023
Ion Ratio Lower Upper
56 100
69 16.7 23.3 34.9#
84 96.7 64.2 96.4#



#33
Benzene
Concen: 0.032 ug/L
RT: 5.75 min Scan# 1371
Delta R.T. -0.04 min
Lab File: VU040497.D
Acq: 03 Oct 2020 22:06

Tgt Ion: 78 Resp: 1208

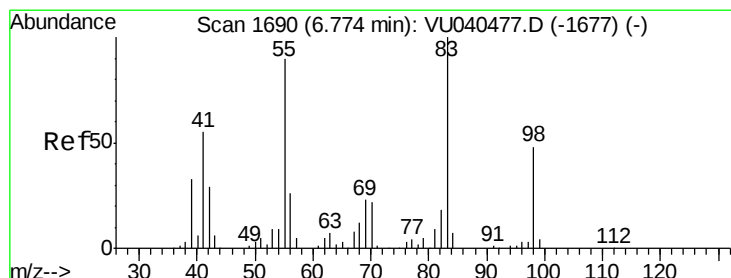
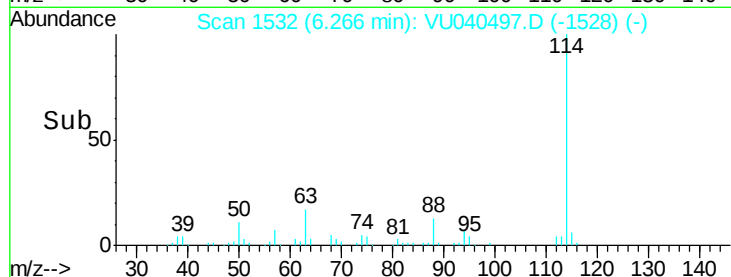
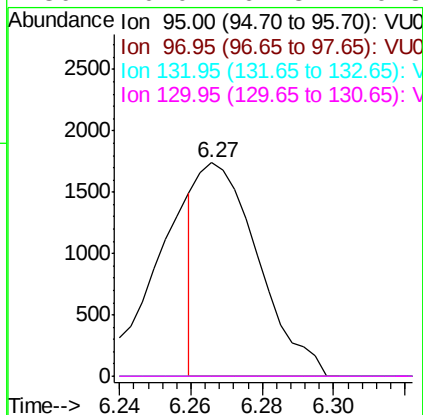
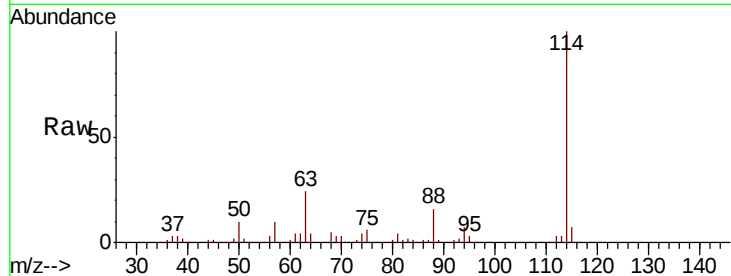




#34
 Trichloroethene
 Concen: 0.205 ug/L
 RT: 6.27 min Scan# 1532
 Delta R.T. -0.29 min
 Lab File: VU040497.D
 Acq: 03 Oct 2020 22:06

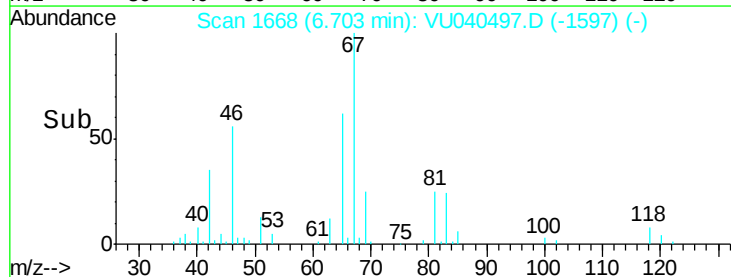
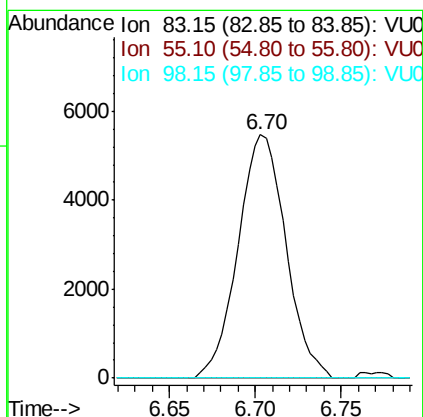
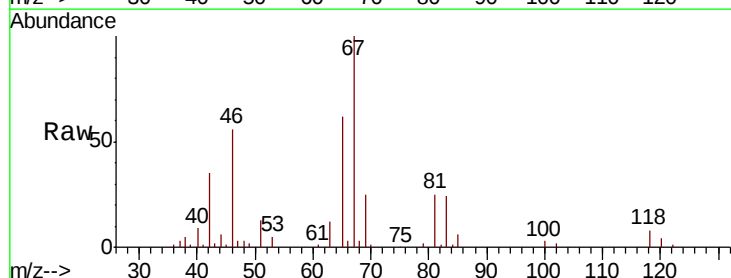
Instrument :
 MSVOA_U
 ClientSampleId :
 BG3T7

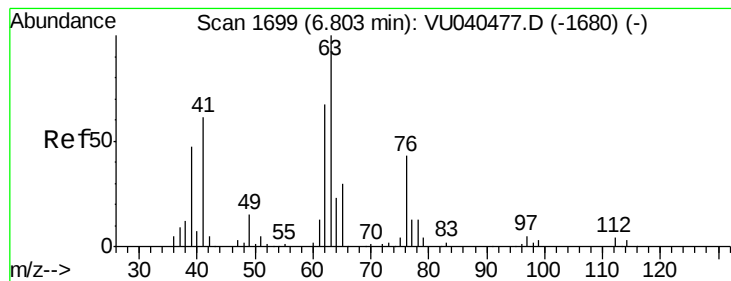
Tot Ion: 95 Resp: 2053
 Ion Ratio Lower Upper
 95 100
 97 0.0 46.3 85.9#
 132 0.0 60.5 112.3#
 130 0.0 64.3 119.3#



#35
 Methylcyclohexane
 Concen: 0.718 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040497.D
 Acq: 03 Oct 2020 22:06

Tgt Ion: 83 Resp: 10548
 Ion Ratio Lower Upper
 83 100
 55 0.0 71.4 107.2#
 98 0.0 38.5 57.7#





#37

1,2-Dichloropropane

Concen: 0.483 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040497.D

Acq: 03 Oct 2020 22:06

Instrument :

MSVOA_U

ClientSampleId :

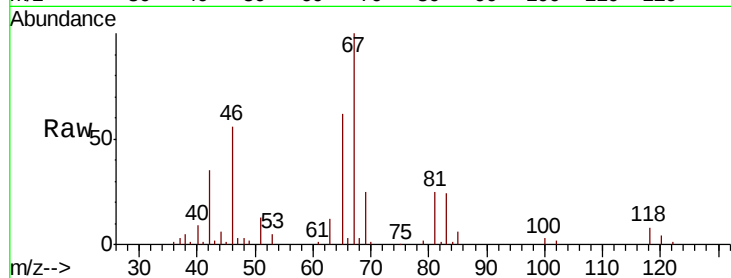
BG3T7

Tot Ion: 63 Resp: 5073

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU040497.D (-1668) (-)

Ion 112.10 (111.80 to 112.80): VU040497.D (-1668) (-)

6.70

3000

2500

2000

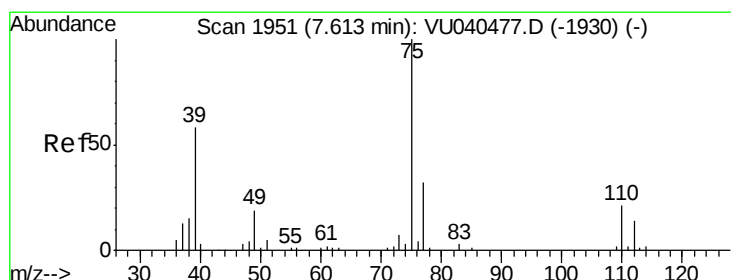
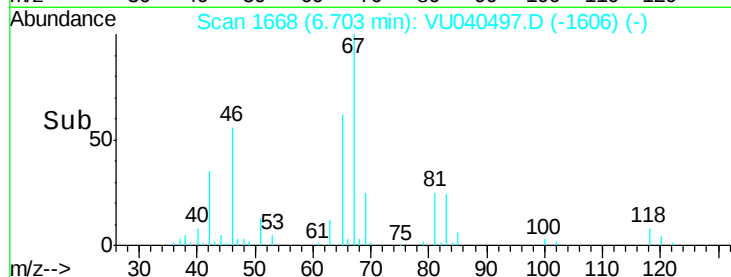
1500

1000

500

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040497.D

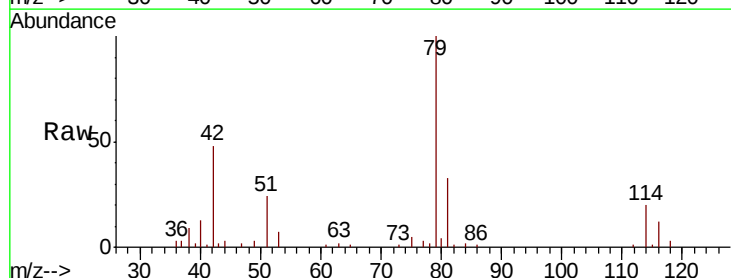
Acq: 03 Oct 2020 22:06

Tgt Ion: 75 Resp: 1271

Ion Ratio Lower Upper

75 100

77 52.8 23.5 43.7#



Abundance Ion 75.05 (74.75 to 75.75): VU040497.D (-1858) (-)

Ion 77.05 (76.75 to 77.75): VU040497.D (-1858) (-)

7.57

800

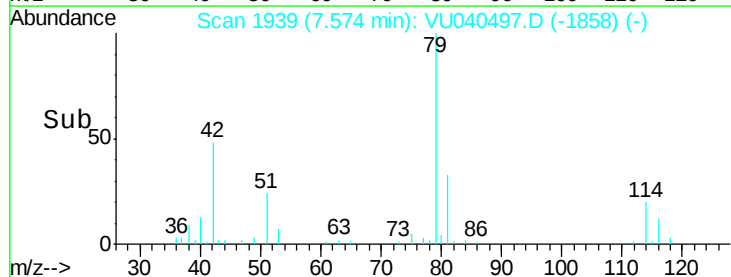
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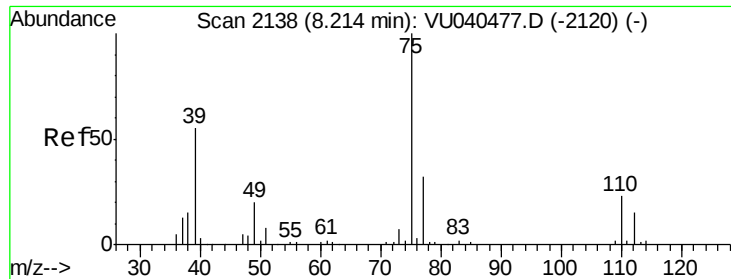
400

200

0

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.068 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040497.D

Acq: 03 Oct 2020 22:06

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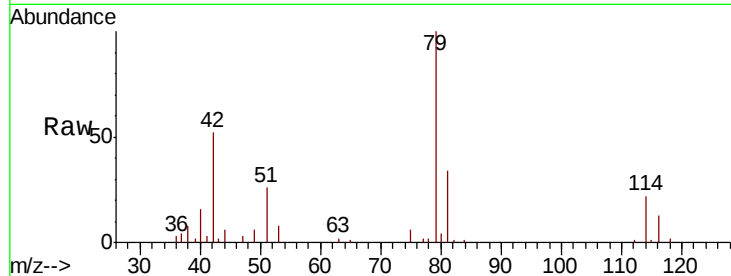
BG3T7

Tot Ion: 75 Resp: 882

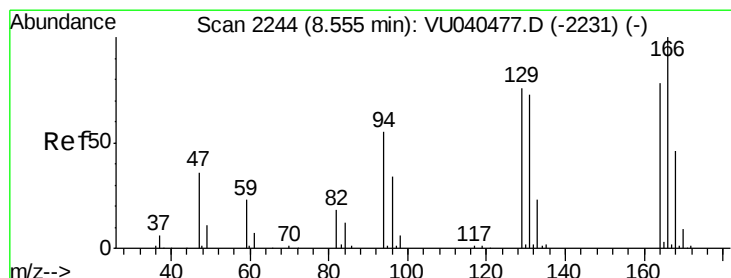
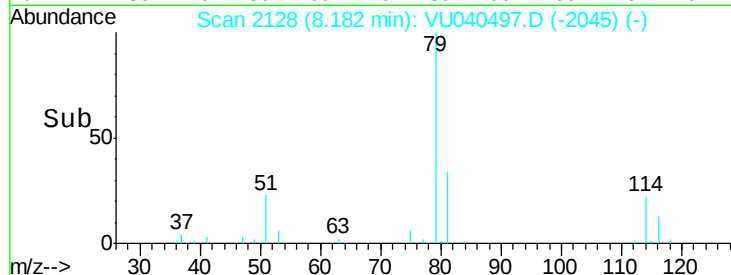
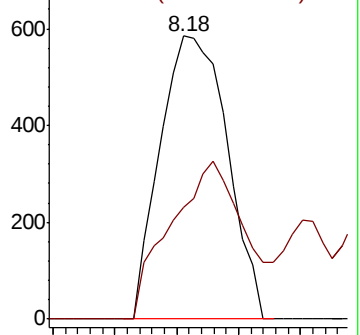
Ion Ratio Lower Upper

75 100

77 39.3 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU040497.D (-2120) (-)



#47

Tetrachloroethene

Concen: 0.378 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.01 min

Lab File: VU040497.D

Acq: 03 Oct 2020 22:06

Tgt Ion: 164 Resp: 2686

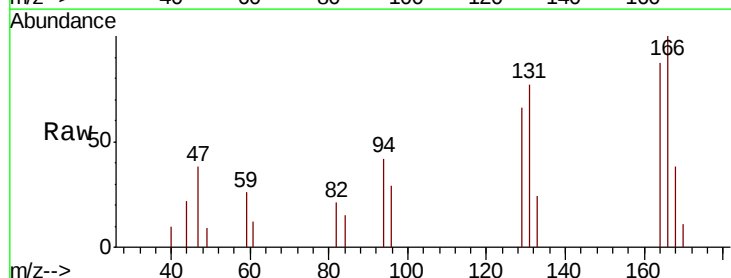
Ion Ratio Lower Upper

164 100

129 75.5 70.3 130.7

131 88.1 69.2 128.6

166 114.7 91.1 169.3

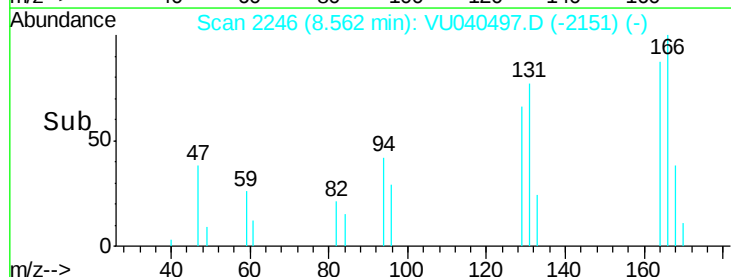
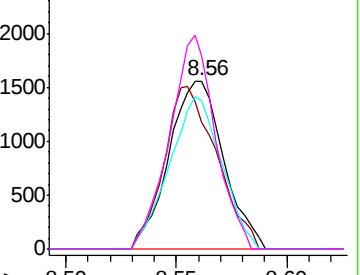


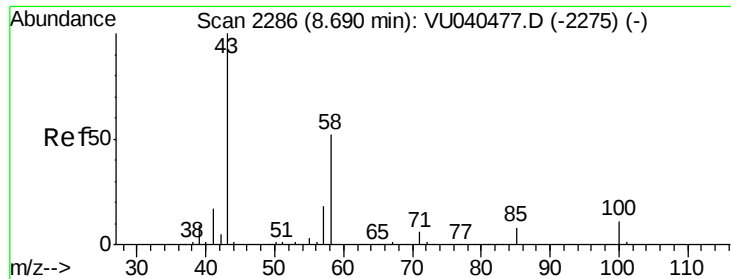
Abundance Ion 163.90 (163.60 to 164.60): VU040497.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU040497.D (-2231) (-)

Ion 130.95 (130.65 to 131.65): VU040497.D (-2231) (-)

Ion 165.90 (165.60 to 166.60): VU040497.D (-2231) (-)

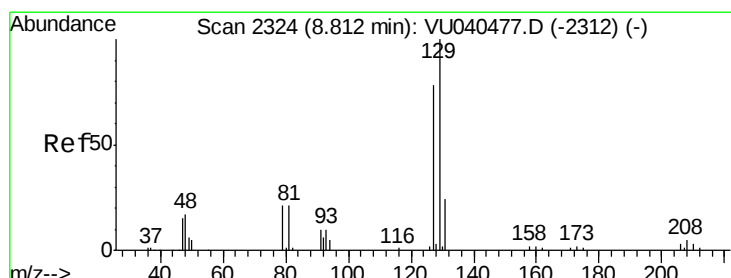
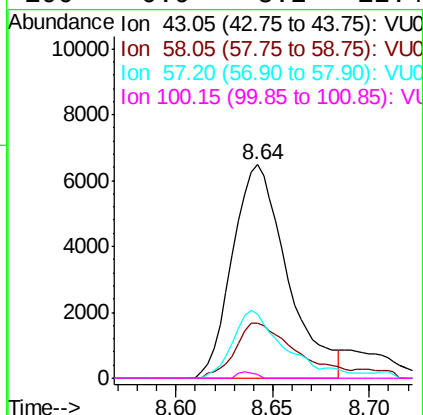
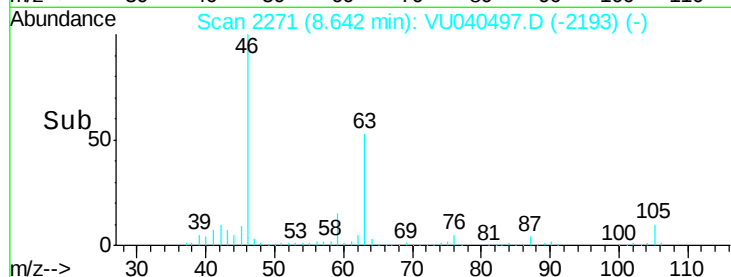
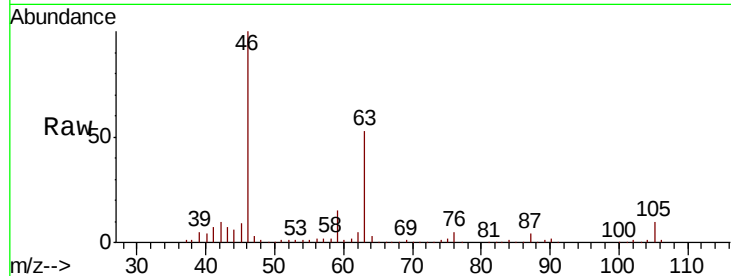




#48
2-Hexanone
Concen: 2.103 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040497.D
Acq: 03 Oct 2020 22:06

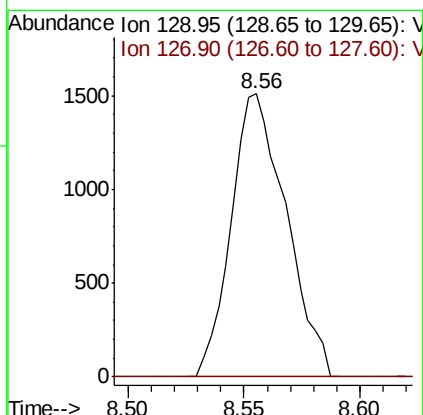
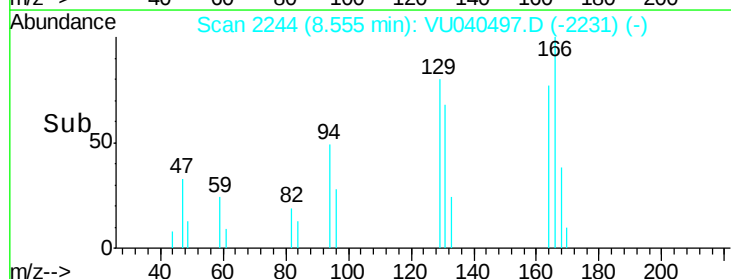
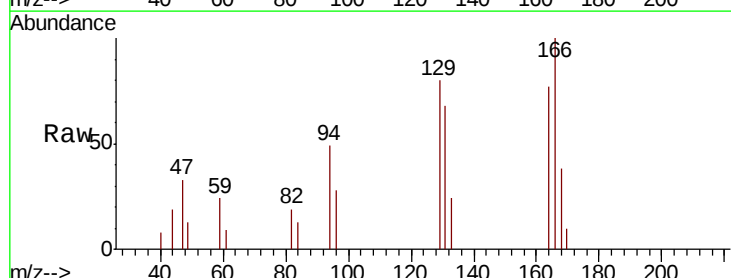
Instrument :
MSVOA_U
ClientSampleId :
BG3T7

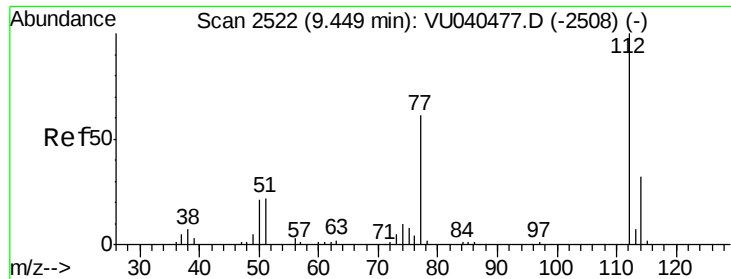
Tot Ion: 43 Resp: 12746
Ion Ratio Lower Upper
43 100
58 28.7 41.0 61.4#
57 30.6 14.6 22.0#
100 0.9 8.2 12.4#



#49
Dibromochloromethane
Concen: 0.290 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU040497.D
Acq: 03 Oct 2020 22:06

Tgt Ion: 129 Resp: 2488
Ion Ratio Lower Upper
129 100
127 0.0 55.4 103.0#

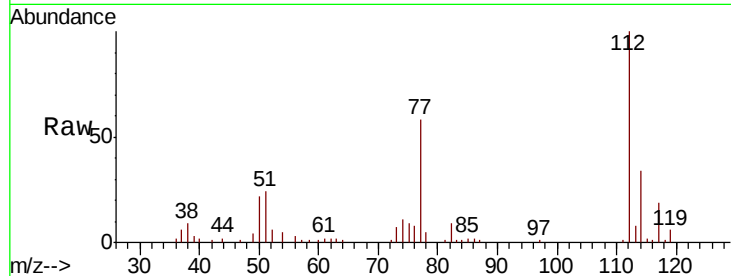




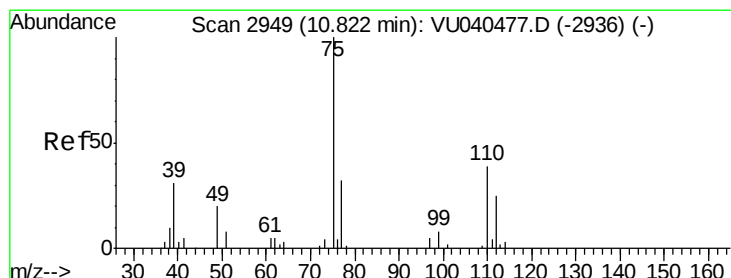
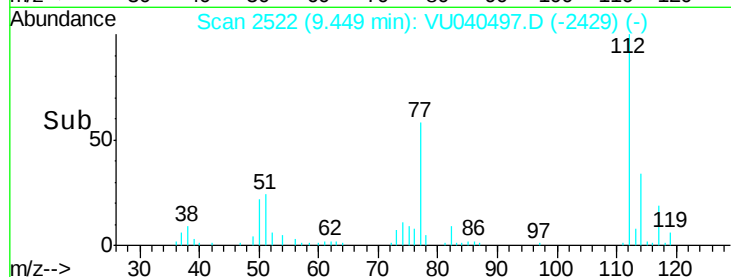
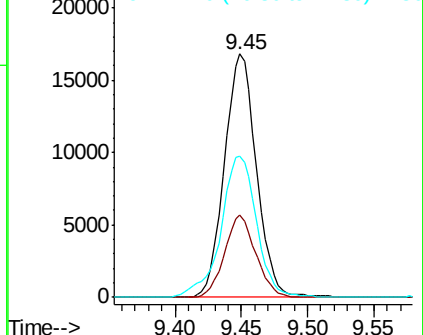
#51
Chlorobenzene
Concen: 1.129 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040497.D
Acq: 03 Oct 2020 22:06

Instrument :
MSVOA_U
ClientSampleId :
BG3T7

Tot Ion:112 Resp: 28230
Ion Ratio Lower Upper
112 100
114 33.6 22.0 40.8
77 58.2 49.5 74.3

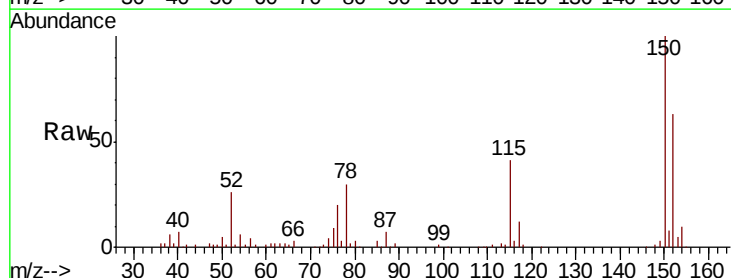


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

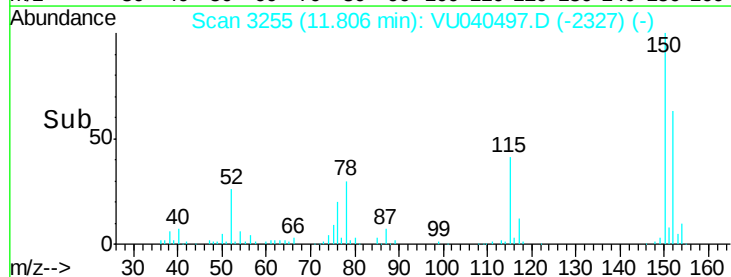
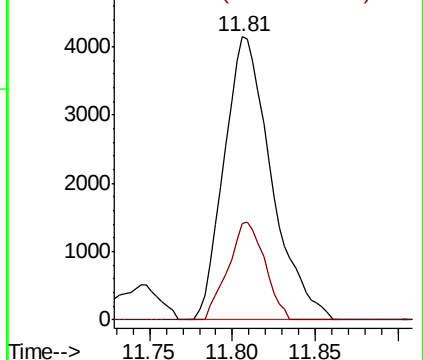


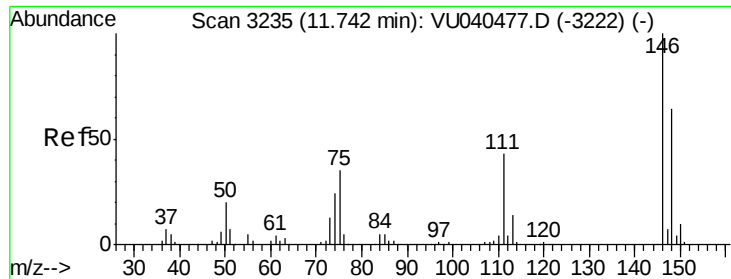
#59
1,2,3-Trichloropropane
Concen: 1.079 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU040497.D
Acq: 03 Oct 2020 22:06

Tgt Ion: 75 Resp: 8216
Ion Ratio Lower Upper
75 100
77 26.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

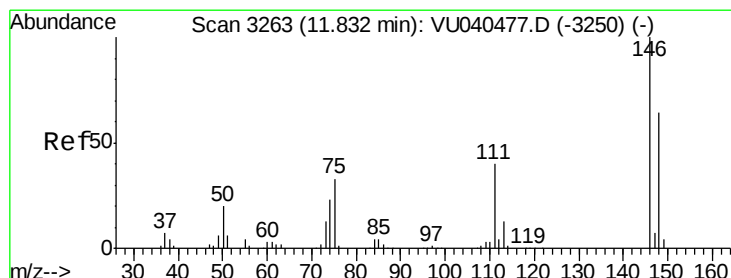
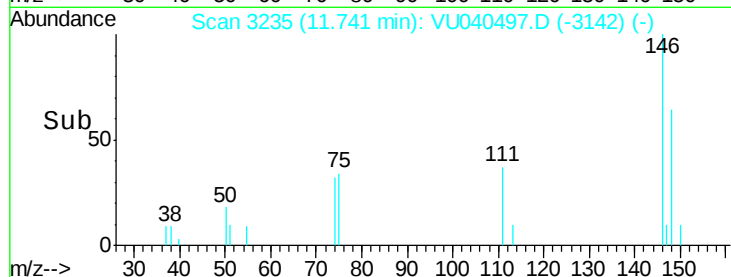
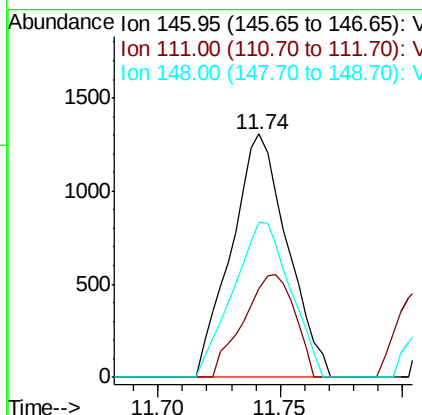
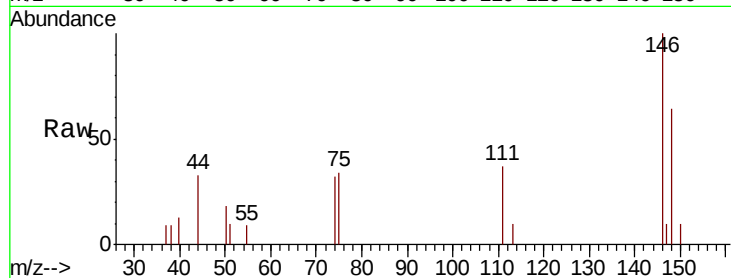




#62
 1,3-Dichlorobenzene
 Concen: 0.135 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040497.D
 Acq: 03 Oct 2020 22:06

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3T7

Tot Ion:146 Resp: 2079
 Ion Ratio Lower Upper
 146 100
 111 36.6 28.6 53.0
 148 63.8 43.4 80.6



#63
 1,4-Dichlorobenzene
 Concen: 0.258 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040497.D
 Acq: 03 Oct 2020 22:06

Tgt Ion:146 Resp: 4133
 Ion Ratio Lower Upper
 146 100
 111 34.5 29.2 54.2
 148 63.8 44.4 82.4

