

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120420\
 Data File : VU041471.D
 Acq On : 04 Dec 2020 15:24
 Operator : SY/MD
 Sample : L4944-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP8

Quant Time: Dec 05 05:26:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 05 05:22:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	51974	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	49810	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25410	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	12359	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.92	69	11804	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.58	63	23730	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	4.66	46	52153	52.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.20%
24) Chloroform-d	5.08	84	36945	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.72	65	25160	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.74	84	56740	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.70	67	16762	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.91	98	51306	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	8.19	79	9991	5.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.80%
46) 2-Hexanone-d5	8.64	63	41922	52.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.80%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	18014	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	24232	5.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.60%

Target Compounds

					Ovalue
8) Chloroethane	1.94	64	88	0.038 ug/L #	45
9) Trichlorofluoromethane	2.15	101	159008	20.127 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	254	0.072 ug/L #	17
22) cis-1,2-Dichloroethene	4.69	96	571	0.168 ug/L	93
25) Chloroform	5.11	83	1666	0.230 ug/L	99
27) 1,2-Dichloroethane	5.74	62	409	0.072 ug/L #	79
31) Carbon tetrachloride	5.54	117	3656	0.553 ug/L	98
34) Trichloroethene	6.55	95	4906	1.318 ug/L	98
35) Methylcyclohexane	6.70	83	4805	0.947 ug/L #	18
37) 1,2-Dichloropropane	6.70	63	2509	0.868 ug/L #	84
39) cis-1,3-Dichloropropene	7.57	75	759	0.145 ug/L	83
44) trans-1,3-Dichloropropene	8.19	75	475	0.091 ug/L #	62
45) 1,1,2-Trichloroethane	8.40	97	396	0.142 ug/L #	73
47) Tetrachloroethene	8.56	164	238945	81.300 ug/L	95
48) 2-Hexanone	8.64	43	5956	3.202 ug/L #	73
49) Dibromochloromethane	8.56	129	239265	63.029 ug/L #	12
51) Chlorobenzene	9.45	112	693	0.075 ug/L	91

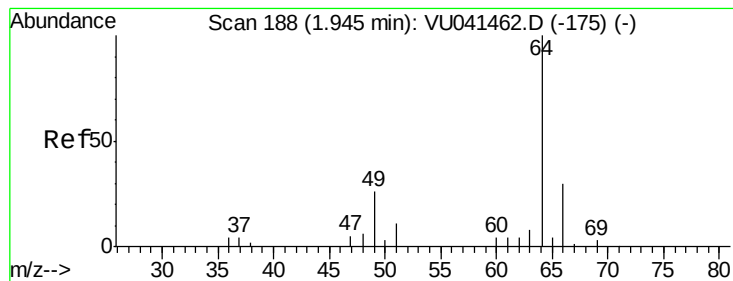
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120420\
Data File : VU041471.D
Acq On : 04 Dec 2020 15:24
Operator : SY/MD
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Misc : 25.0mL/MSVOA U/WATER
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Quant Time: Dec 05 05:26:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Dec 05 05:22:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
59) 1,2,3-Trichloropropane	11.81	75	2681	0.956	ug/L #	86
-----	-----	-----	-----	-----	-----	-----

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



#8

Chloroethane

Concen: 0.038 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041471.D

Acq: 04 Dec 2020 15:24

Instrument :

MSVOA_U

ClientSampleId :

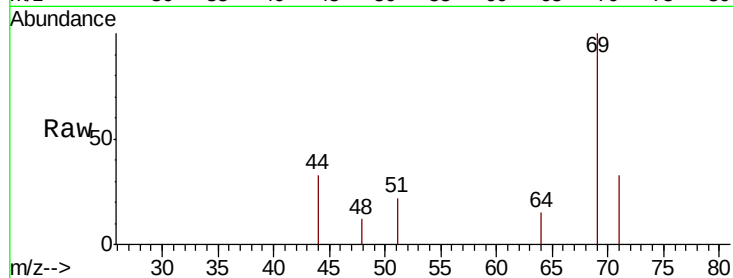
C0AP8

Tot Ion: 64 Resp: 88

Ion Ratio Lower Upper

64 100

66 0.0 20.9 38.9#



Abundance Ion 64.10 (63.80 to 64.80): VU041462.D (-175) (-)

Ion 66.05 (65.75 to 66.75): VU041462.D (-175) (-)

1.94

150

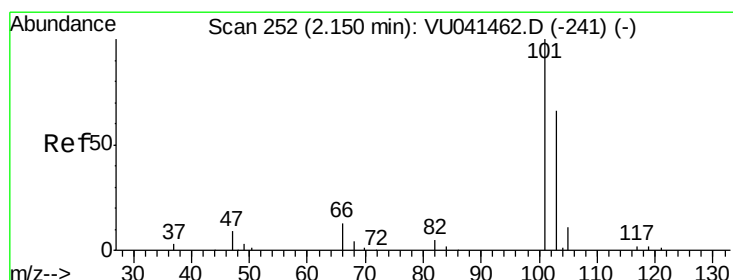
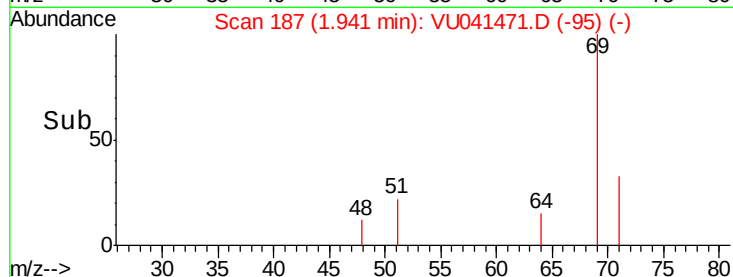
100

50

0

1.93 1.94 1.95

Time-->



#9

Trichlorofluoromethane

Concen: 20.127 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU041471.D

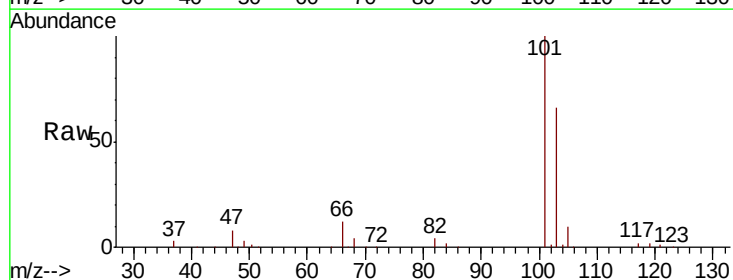
Acq: 04 Dec 2020 15:24

Tgt Ion: 101 Resp: 159008

Ion Ratio Lower Upper

101 100

103 65.6 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU041462.D (-241) (-)

Ion 103.00 (102.70 to 103.70): VU041462.D (-241) (-)

2.15

120000

100000

80000

60000

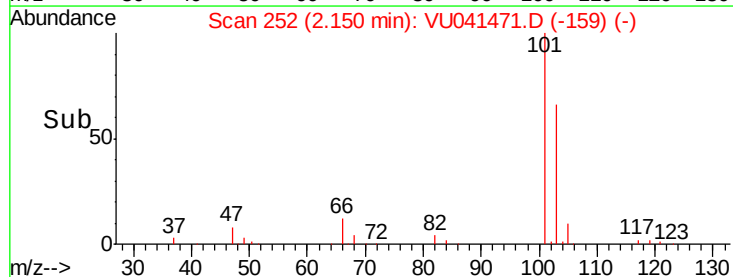
40000

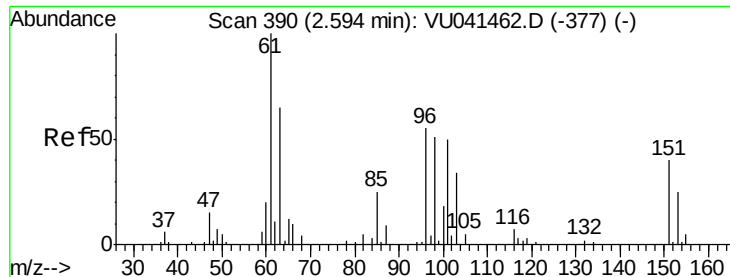
20000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 0.072 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU041471.D

Acq: 04 Dec 2020 15:24

Instrument :

MSVOA_U

ClientSampleId :

C0AP8

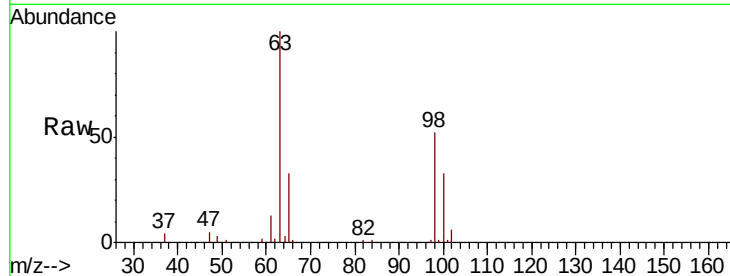
Tot Ion:101 Resp: 254

Ion Ratio Lower Upper

101 100

85 0.0 39.4 59.2#

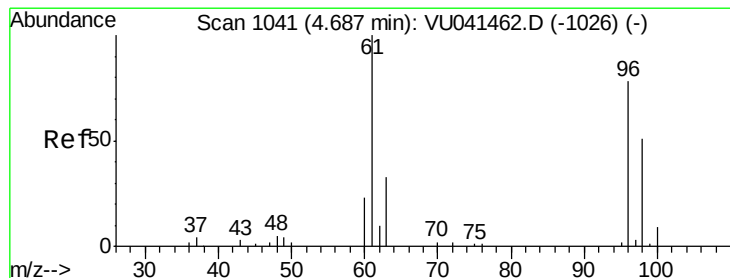
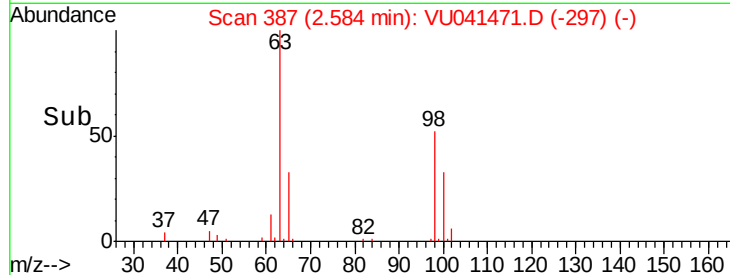
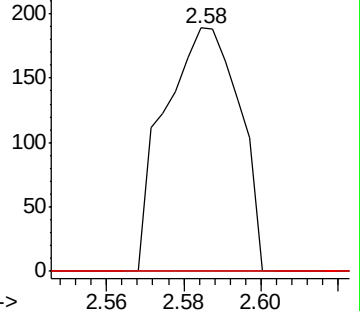
151 0.0 63.8 95.8#



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



#22

cis-1,2-Dichloroethene

Concen: 0.168 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU041471.D

Acq: 04 Dec 2020 15:24

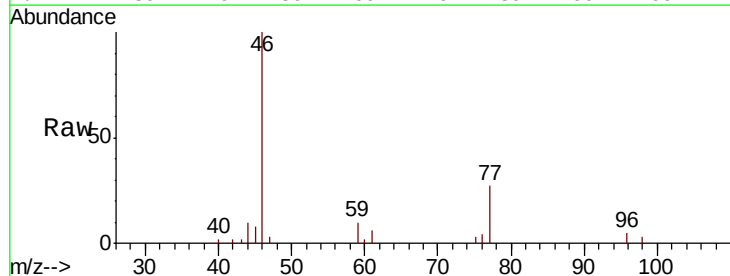
Tgt Ion: 96 Resp: 571

Ion Ratio Lower Upper

96 100

61 121.2 90.5 168.1

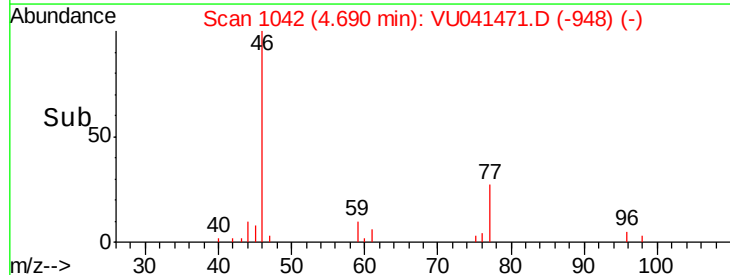
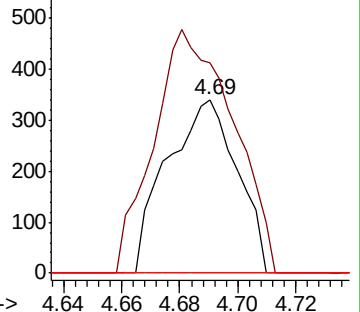
68 0.0 0.0 0.0

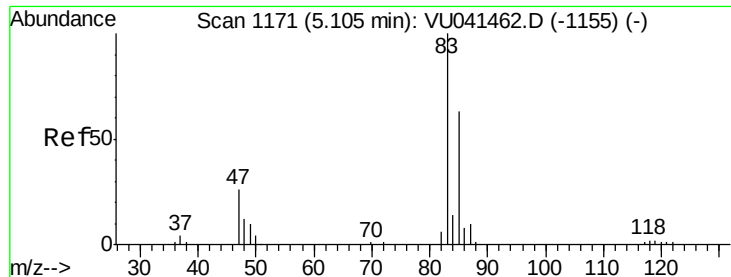


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

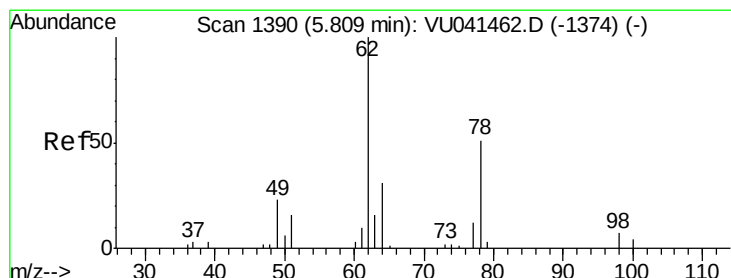
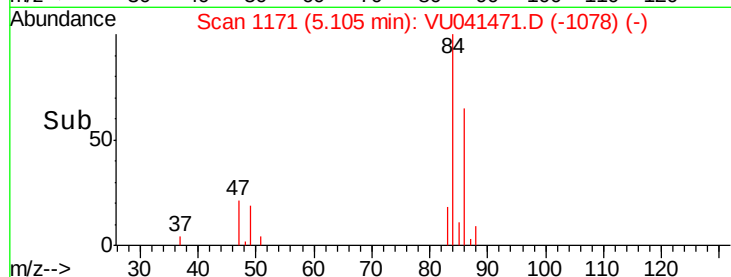
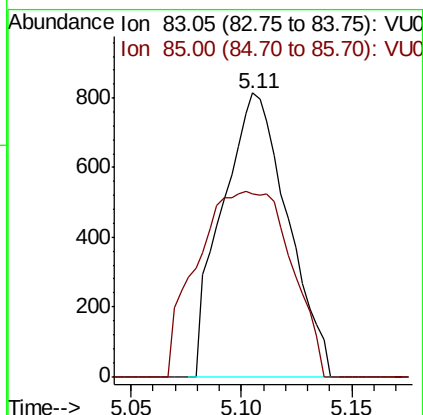
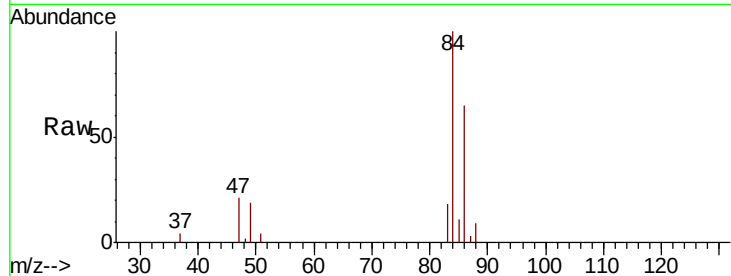




#25
Chloroform
Concen: 0.230 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041471.D
Acq: 04 Dec 2020 15:24

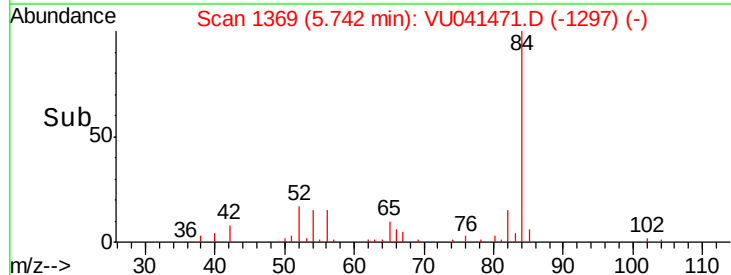
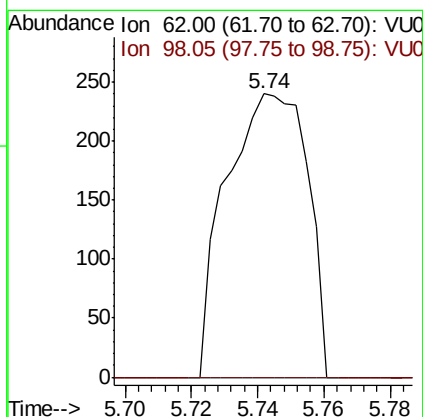
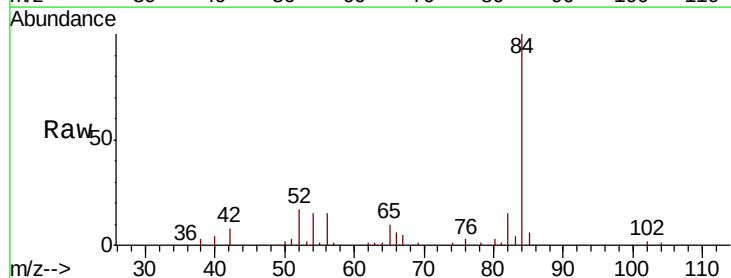
Instrument :
MSVOA_U
ClientSampleId :
C0AP8

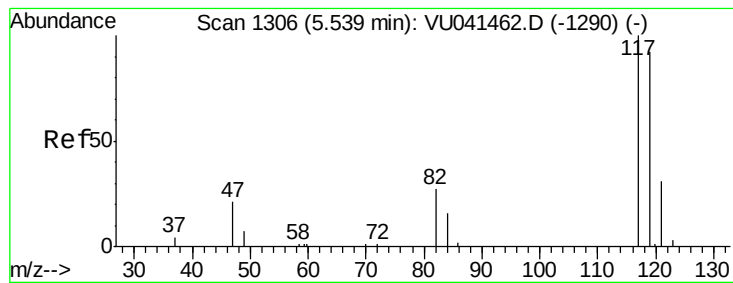
Tot Ion: 83 Resp: 1666
Ion Ratio Lower Upper
83 100
85 64.4 44.7 82.9



#27
1,2-Dichloroethane
Concen: 0.072 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.07 min
Lab File: VU041471.D
Acq: 04 Dec 2020 15:24

Tgt Ion: 62 Resp: 409
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5#





#31

Carbon tetrachloride

Concen: 0.553 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU041471.D

Acq: 04 Dec 2020 15:24

Instrument :

MSVOA_U

ClientSampleId :

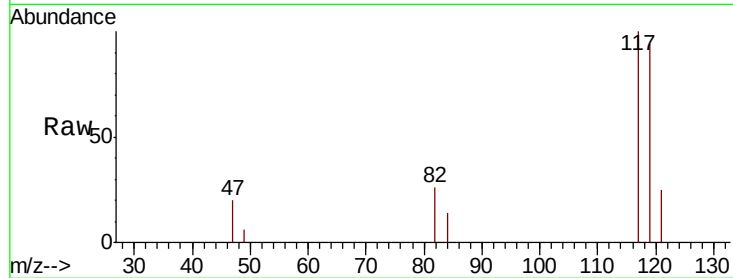
C0AP8

Tot Ion:117 Resp: 3656

Ion Ratio Lower Upper

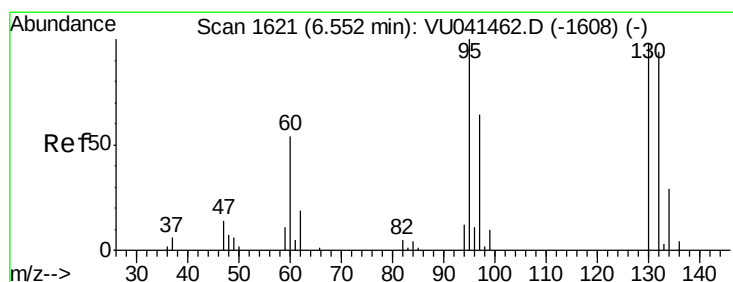
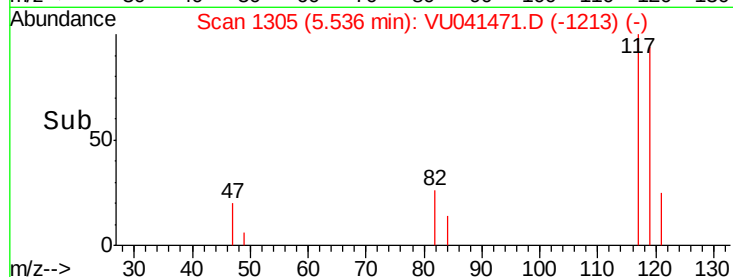
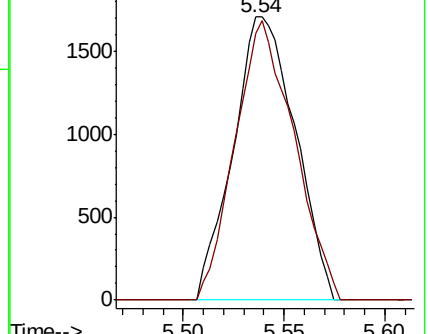
117 100

119 94.1 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 1.318 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041471.D

Acq: 04 Dec 2020 15:24

Tgt Ion: 95 Resp: 4906

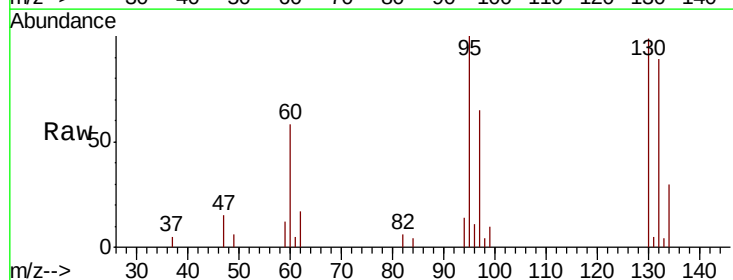
Ion Ratio Lower Upper

95 100

97 65.1 44.7 83.1

132 89.3 65.7 121.9

130 99.1 68.8 127.8

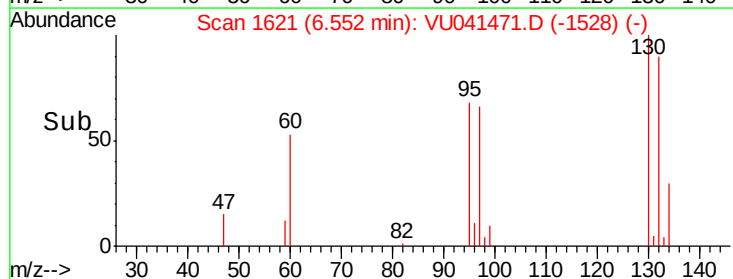
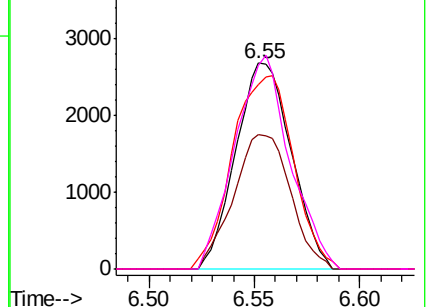


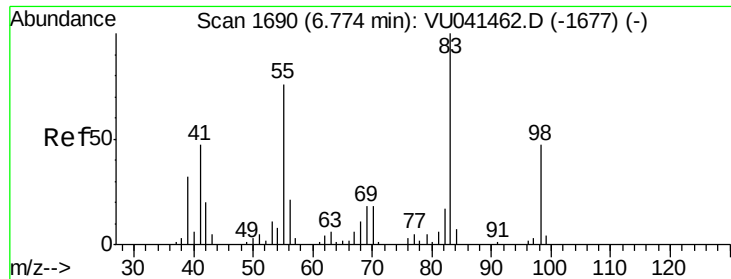
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

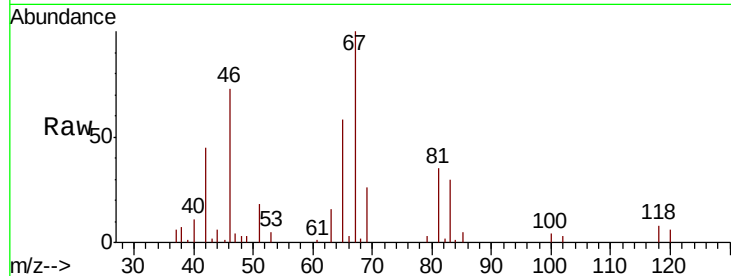




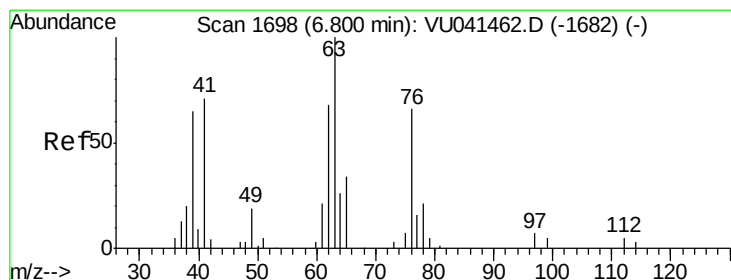
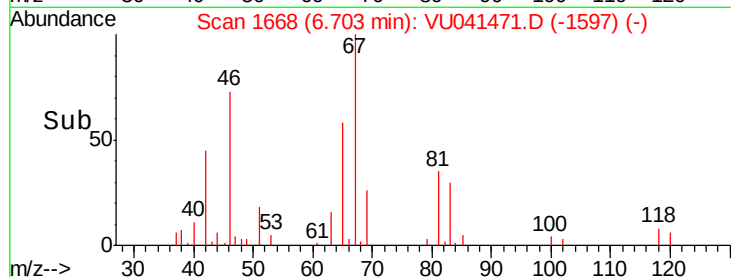
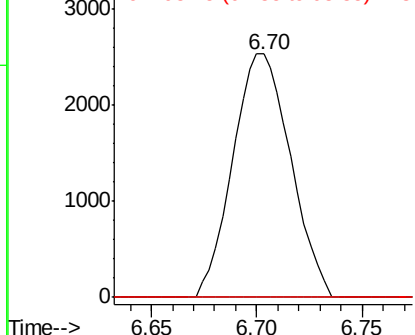
#35
Methylcyclohexane
Concen: 0.947 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041471.D
Acq: 04 Dec 2020 15:24

Instrument :
MSVOA_U
ClientSampleId :
C0AP8

Tot Ion: 83 Resp: 4805
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.5 38.7 58.1#

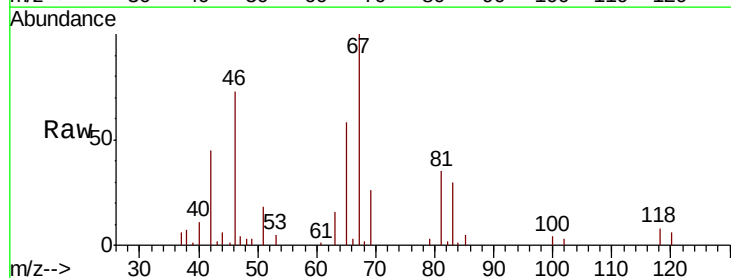


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

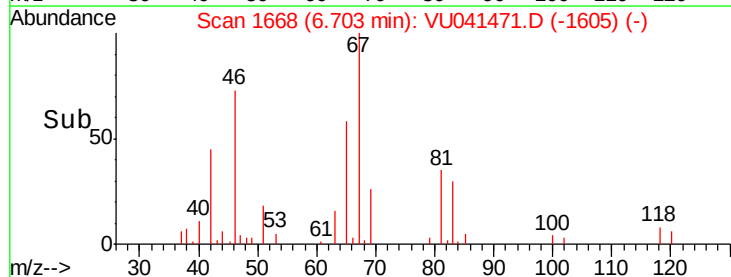
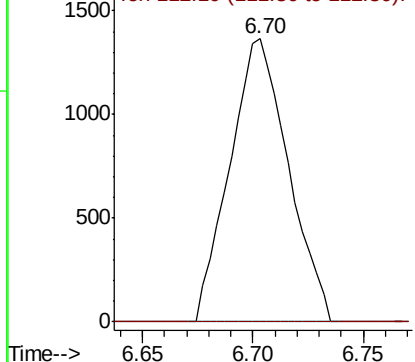


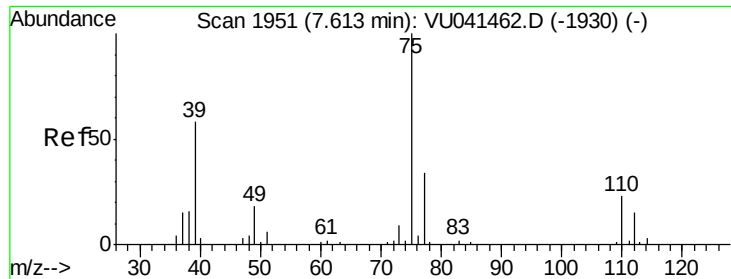
#37
1,2-Dichloropropane
Concen: 0.868 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041471.D
Acq: 04 Dec 2020 15:24

Tgt Ion: 63 Resp: 2509
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.2#



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



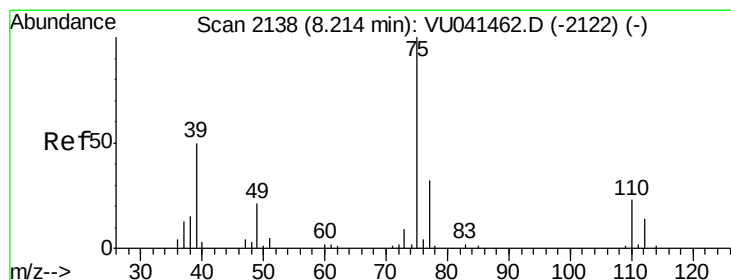
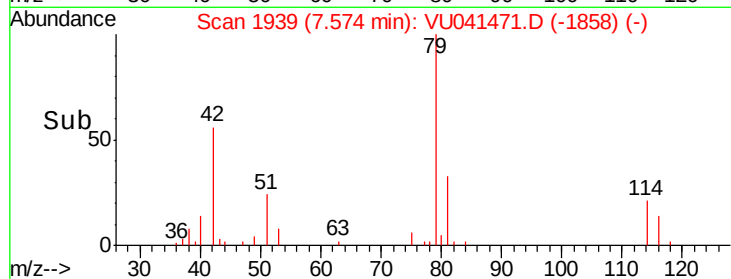
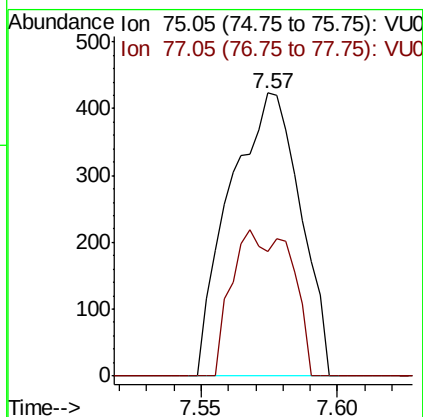
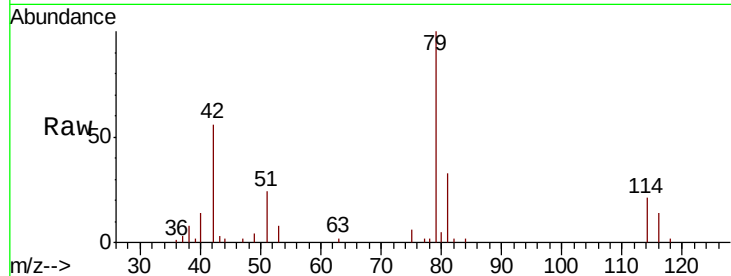


#39

cis-1,3-Dichloropropene
 Concen: 0.145 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041471.D
 Acq: 04 Dec 2020 15:24

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP8

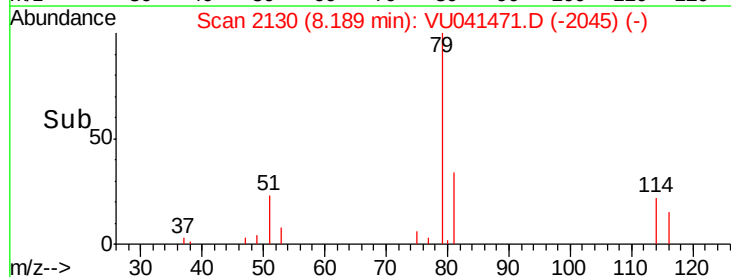
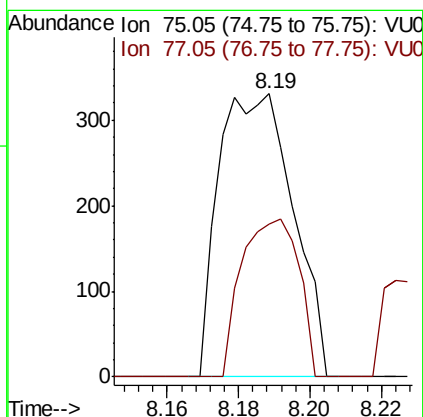
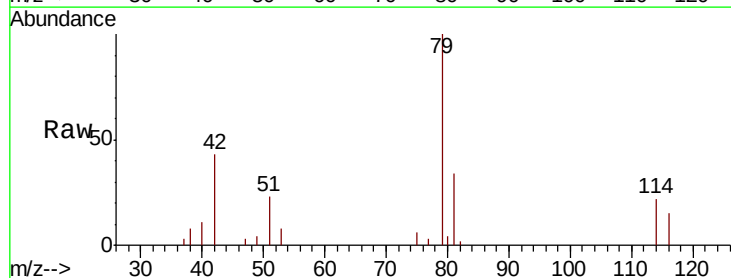
Tot Ion: 75 Resp: 759
 Ion Ratio Lower Upper
 75 100
 77 44.2 24.0 44.6

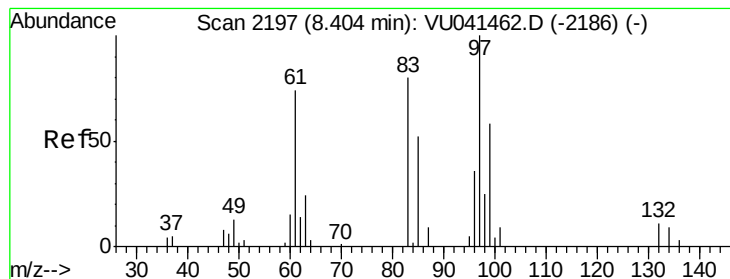


#44

trans-1,3-Dichloropropene
 Concen: 0.091 ug/L
 RT: 8.19 min Scan# 2130
 Delta R.T. -0.03 min
 Lab File: VU041471.D
 Acq: 04 Dec 2020 15:24

Tgt Ion: 75 Resp: 475
 Ion Ratio Lower Upper
 75 100
 77 54.1 22.7 42.3#





#45

1,1,2-Trichloroethane

Concen: 0.142 ug/L

RT: 8.40 min Scan# 2195

Delta R.T. -0.01 min

Lab File: VU041471.D

Acq: 04 Dec 2020 15:24

Instrument :

MSVOA_U

ClientSampleId :

C0AP8

Tot Ion: 97 Resp: 396

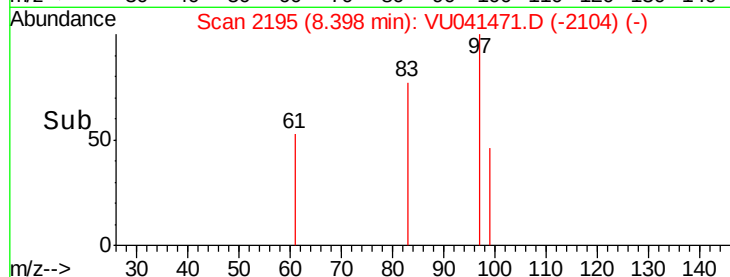
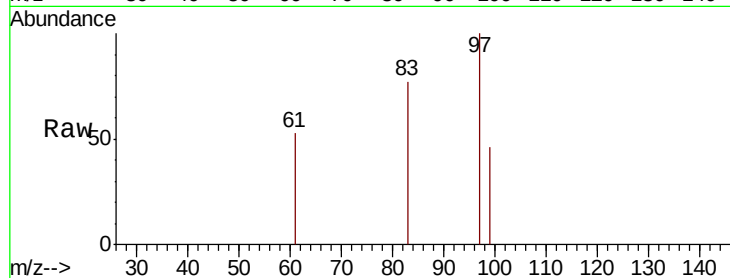
Ion Ratio Lower Upper

97 100

99 45.8 40.7 75.7

83 76.8 56.2 104.4

85 0.0 36.0 67.0#

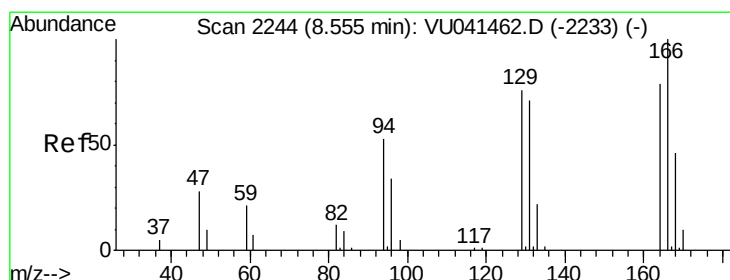
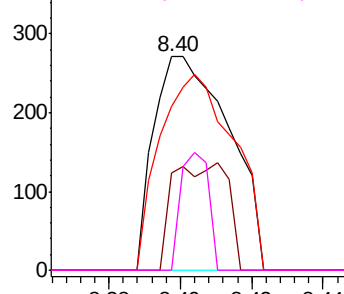


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 81.300 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041471.D

Acq: 04 Dec 2020 15:24

Tgt Ion: 164 Resp: 238945

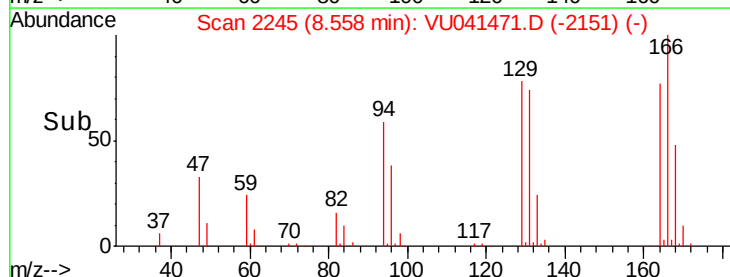
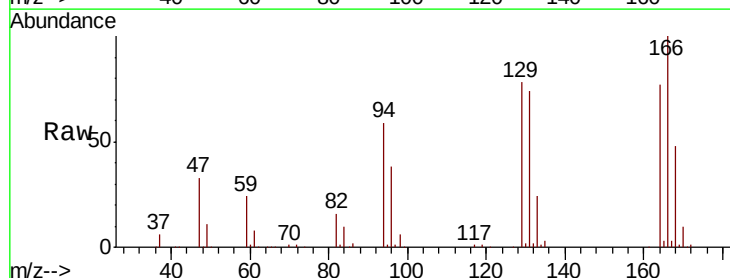
Ion Ratio Lower Upper

164 100

129 101.3 67.1 124.7

131 96.6 63.3 117.7

166 130.2 88.8 164.8

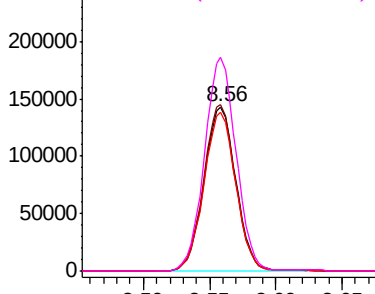


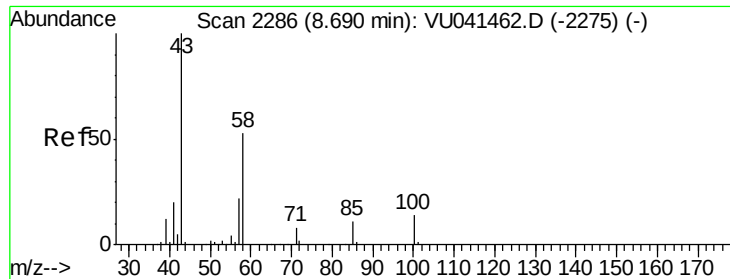
Abundance Ion 163.90 (163.60 to 164.60): V

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

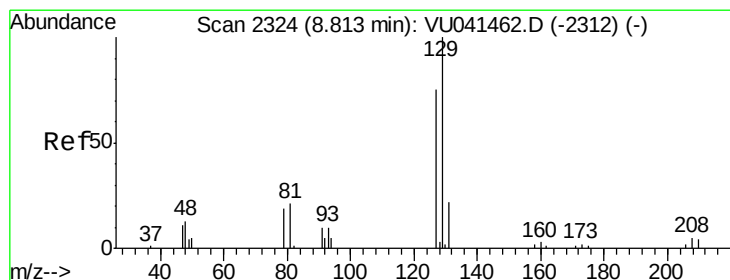
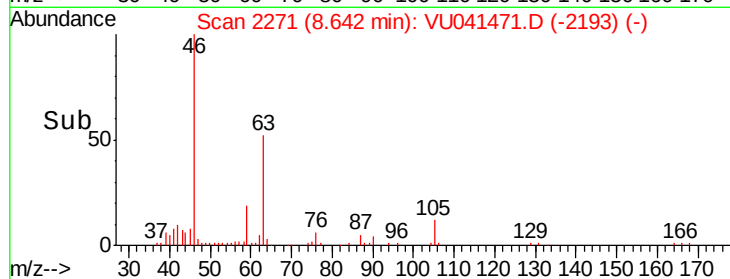
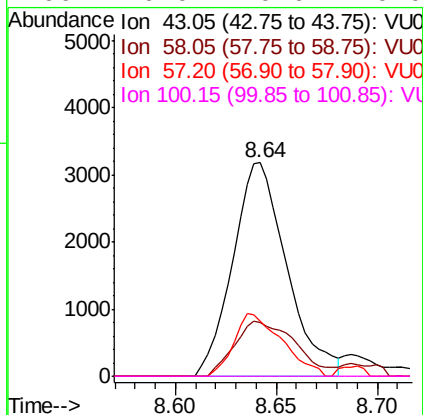
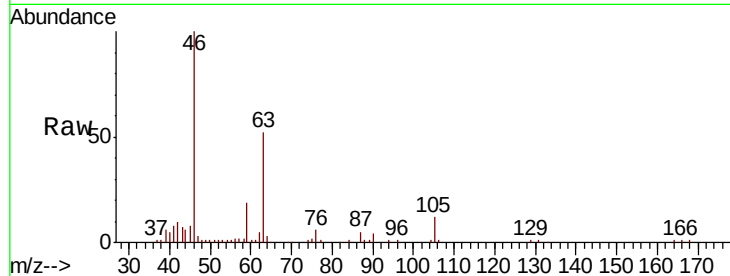




#48
2-Hexanone
Concen: 3.202 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041471.D
Acq: 04 Dec 2020 15:24

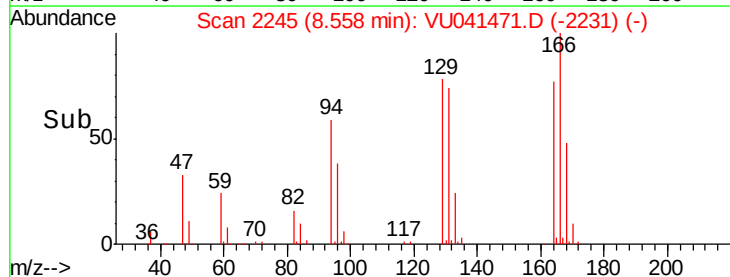
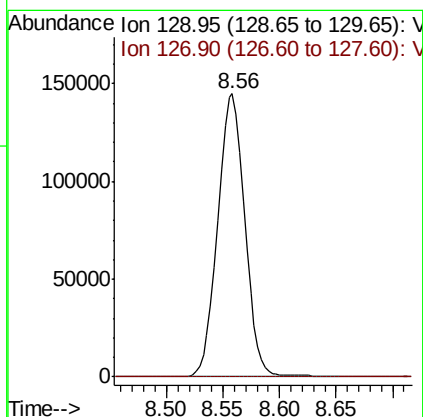
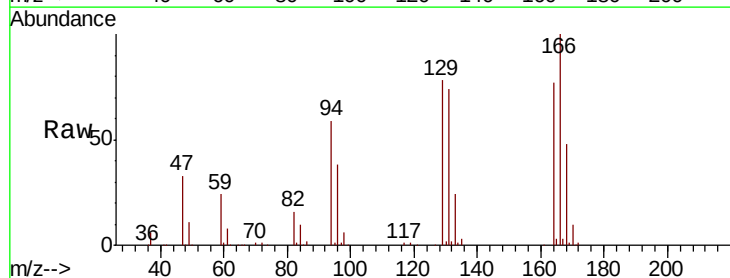
Instrument :
MSVOA_U
ClientSampleId :
C0AP8

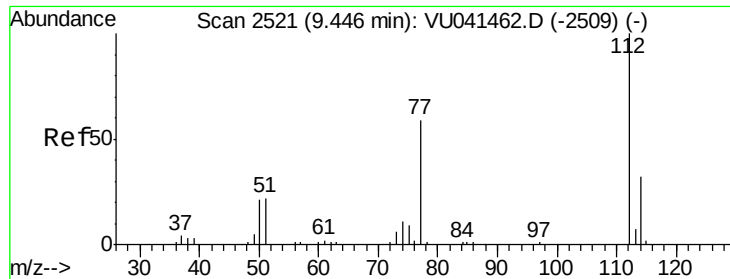
Tot Ion	Ratio	Lower	Upper
43	100		
58	28.9	41.4	62.0#
57	26.2	17.1	25.7#
100	0.0	10.6	16.0#



#49
Dibromochloromethane
Concen: 63.029 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041471.D
Acq: 04 Dec 2020 15:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.1	52.4	97.2#

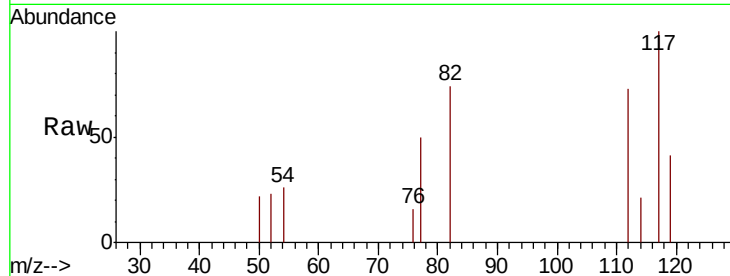




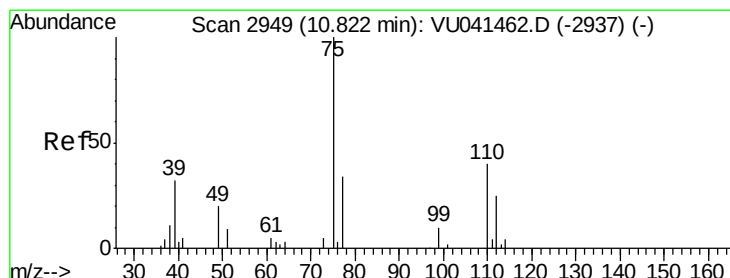
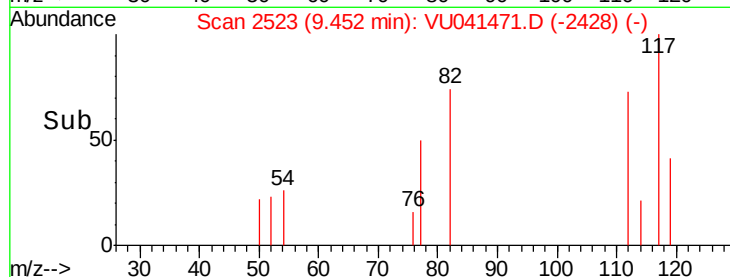
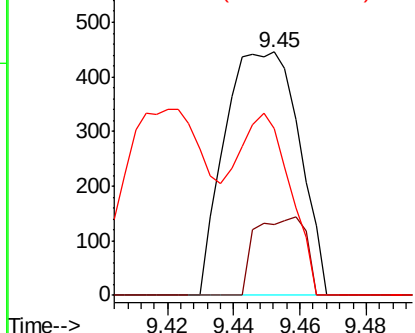
#51
Chlorobenzene
Concen: 0.075 ug/L
RT: 9.45 min Scan# 2523
Delta R.T. 0.01 min
Lab File: VU041471.D
Acq: 04 Dec 2020 15:24

Instrument :
MSVOA_U
ClientSampled :
C0AP8

Tot Ion: 112 Resp: 693
Ion Ratio Lower Upper
112 100
114 29.4 22.7 42.1
77 68.6 48.2 72.2

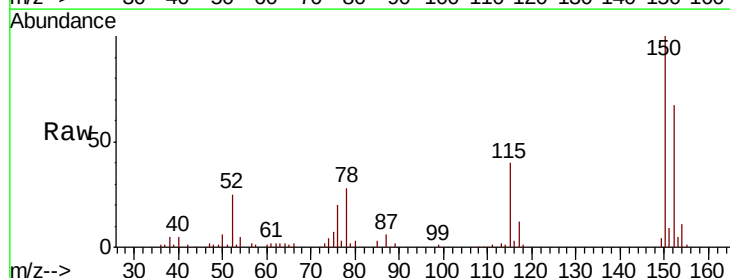


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#59
1,2,3-Trichloropropane
Concen: 0.956 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU041471.D
Acq: 04 Dec 2020 15:24

Tgt Ion: 75 Resp: 2681
Ion Ratio Lower Upper
75 100
77 40.8 26.3 39.5#



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

