

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120720\
 Data File : VU041486.D
 Acq On : 07 Dec 2020 12:16
 Operator : SY/MD
 Sample : L4944-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP6

Quant Time: Dec 08 04:33:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 08 04:32:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	60189	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	59190	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	31964	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	9656	3.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.60%
7) Chloroethane-d5	1.92	69	8993	3.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	66.40%
11) 1,1-Dichloroethene-d2	2.58	63	17803	2.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	47.60%#
20) 2-Butanone-d5	4.65	46	41991	36.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.44%
24) Chloroform-d	5.08	84	30333	3.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.00%
26) 1,2-Dichloroethane-d4	5.72	65	20949	3.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.00%
32) Benzene-d6	5.74	84	46122	3.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.00%
36) 1,2-Dichloropropane-d6	6.70	67	13038	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	67.60%
41) Toluene-d8	7.90	98	40125	3.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	62.20%#
43) trans-1,3-Dichloropropene-	8.19	79	7912	3.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.20%
46) 2-Hexanone-d5	8.64	63	32982	34.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	69.38%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	14683	3.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	69.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	21255	3.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	77.80%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	88	0.033	ug/L #	45
9) Trichlorofluoromethane	2.15	101	92692	10.131	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	703	0.178	ug/L	97
25) Chloroform	5.11	83	1172	0.140	ug/L	97
27) 1,2-Dichloroethane	5.74	62	286	0.044	ug/L #	79
31) Carbon tetrachloride	5.54	117	2239	0.285	ug/L	98
34) Trichloroethene	6.55	95	18912	4.277	ug/L	98
35) Methylcyclohexane	6.70	83	3942	0.654	ug/L #	24
37) 1,2-Dichloropropane	6.70	63	2048	0.597	ug/L #	84
39) cis-1,3-Dichloropropene	7.58	75	547	0.088	ug/L	86
44) trans-1,3-Dichloropropene	8.19	75	253	0.041	ug/L #	64
45) 1,1,2-Trichloroethane	8.40	97	187	0.056	ug/L #	46
47) Tetrachloroethene	8.56	164	145547	41.674	ug/L	97
49) Dibromochloromethane	8.56	129	142856	31.669	ug/L #	12
59) 1,2,3-Trichloropropane	11.81	75	2991	0.898	ug/L #	83

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120720\
Data File : VU041486.D
Acq On : 07 Dec 2020 12:16
Operator : SY/MD
Sample : L4944-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AP6

Quant Time: Dec 08 04:33:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 08 04:32:02 2020
Response via : Initial Calibration

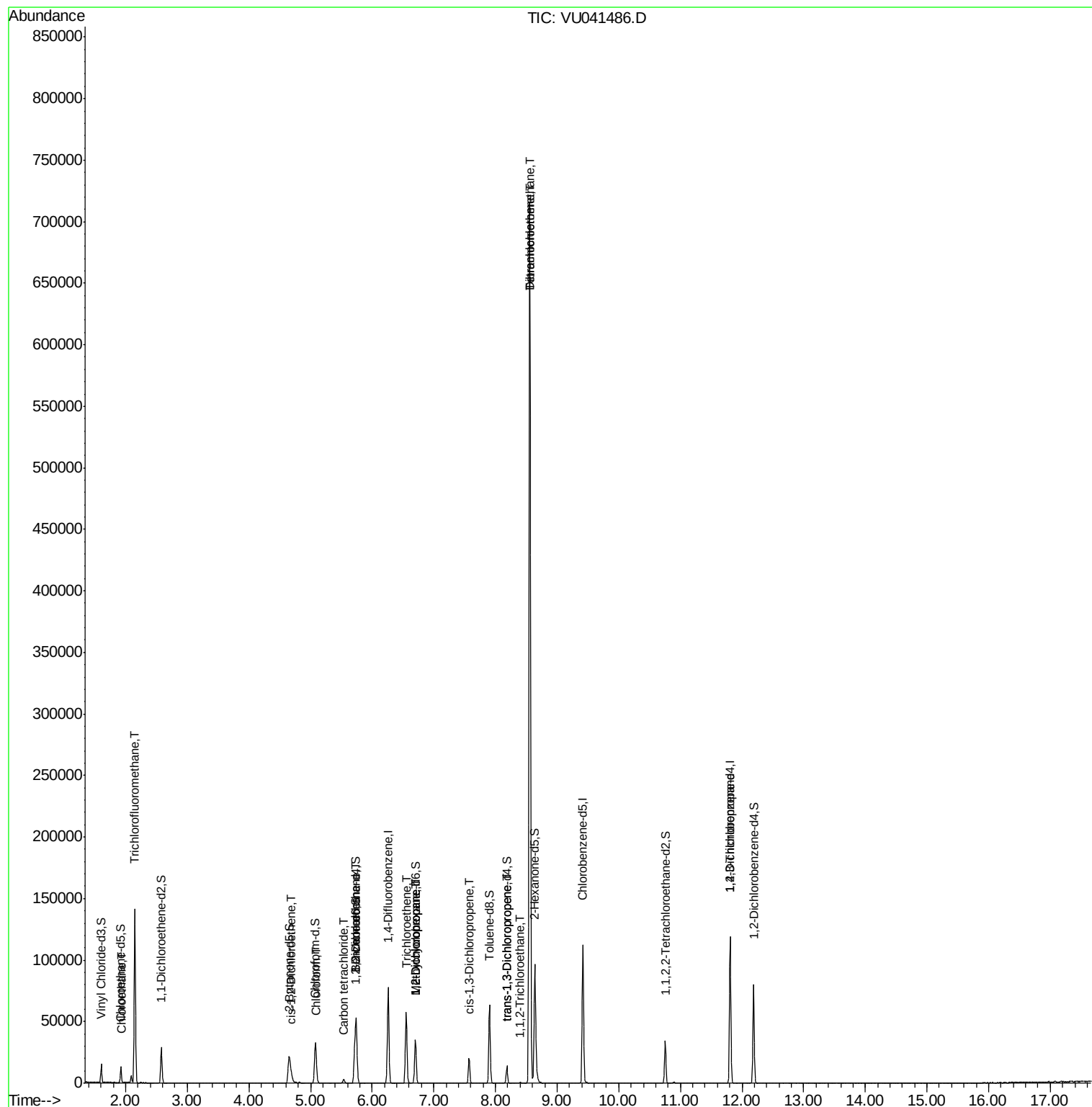
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

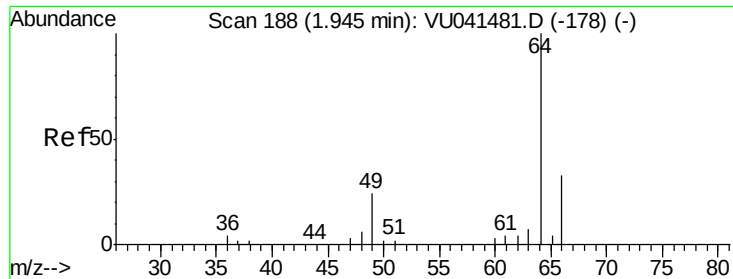
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120720\
Data File : VU041486.D
Acq On : 07 Dec 2020 12:16
Operator : SY/MD
Sample : L4944-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AP6

Quant Time: Dec 08 04:33:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 08 04:32:02 2020
Response via : Initial Calibration

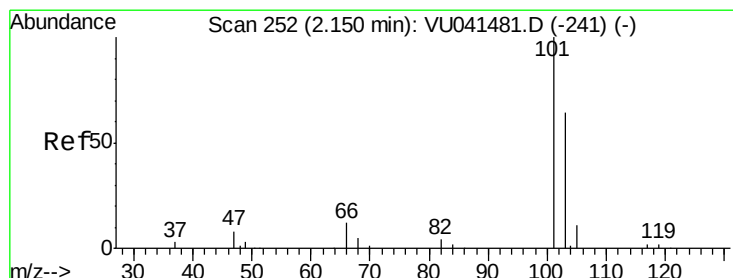
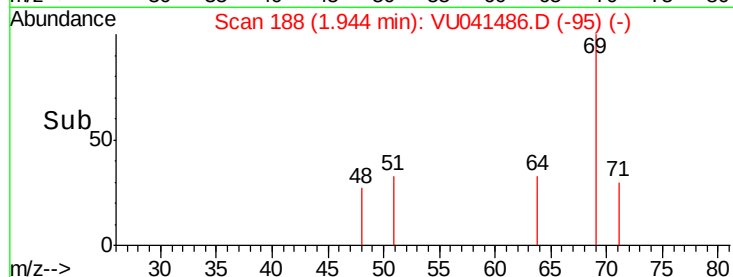
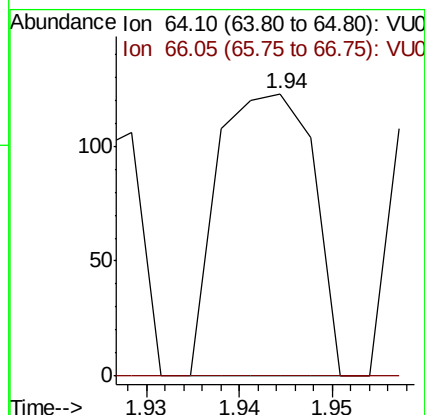
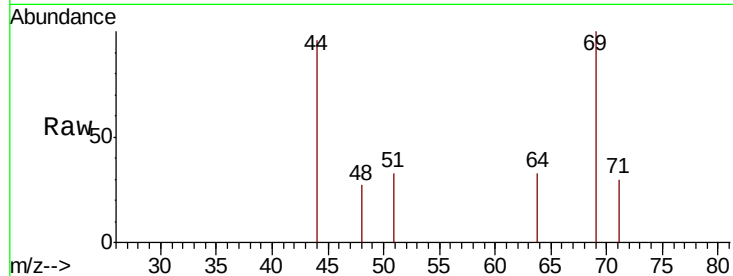




#8
Chloroethane
Concen: 0.033 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU041486.D
Acq: 07 Dec 2020 12:16

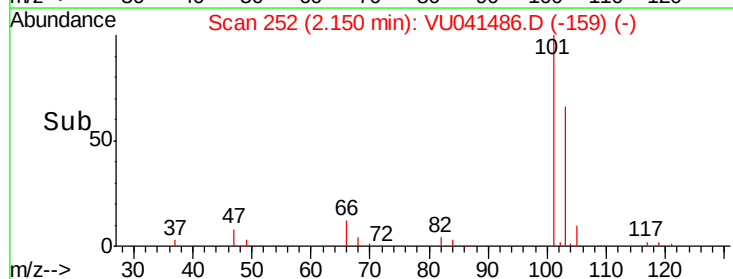
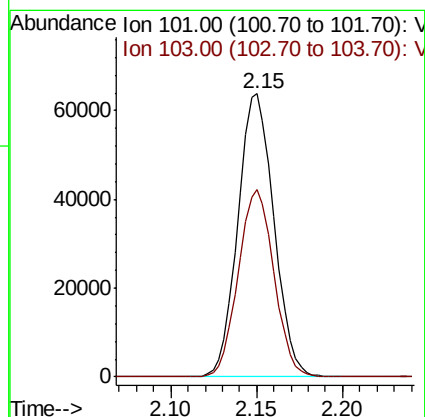
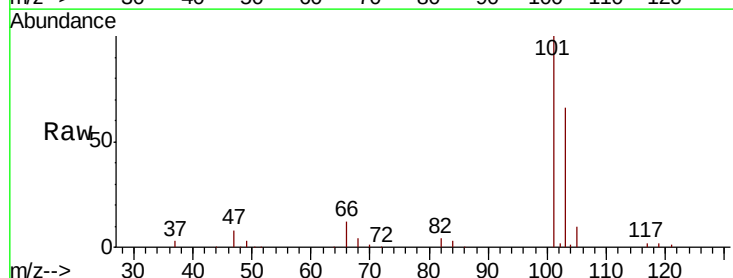
Instrument :
MSVOA_U
ClientSampled :
C0AP6

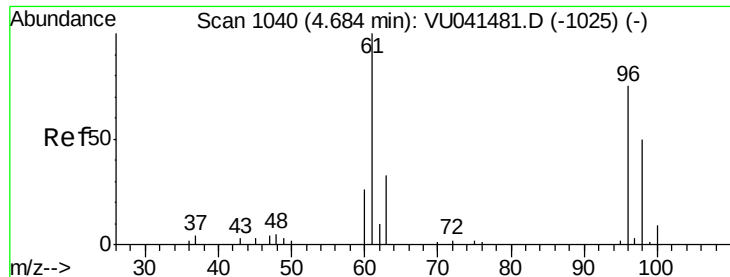
Tot Ion: 64 Resp: 88
Ion Ratio Lower Upper
64 100
66 0.0 20.9 38.9#



#9
Trichlorofluoromethane
Concen: 10.131 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU041486.D
Acq: 07 Dec 2020 12:16

Tgt Ion:101 Resp: 92692
Ion Ratio Lower Upper
101 100
103 65.5 51.4 77.0





#22

cis-1,2-Dichloroethene

Concen: 0.178 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU041486.D

Acq: 07 Dec 2020 12:16

Instrument :

MSVOA_U

ClientSampleId :

C0AP6

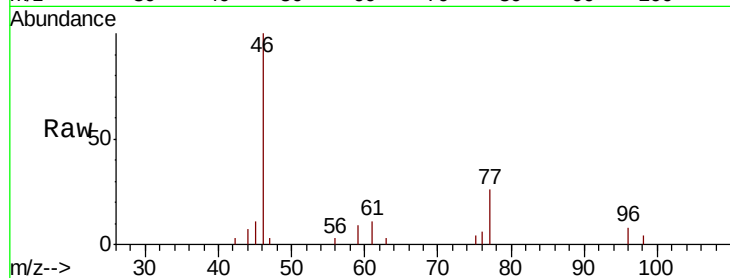
Tot Ion: 96 Resp: 703

Ion Ratio Lower Upper

96 100

61 133.2 90.5 168.1

68 0.0 0.0 0.0



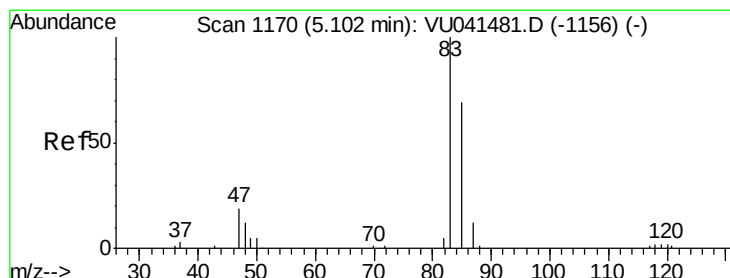
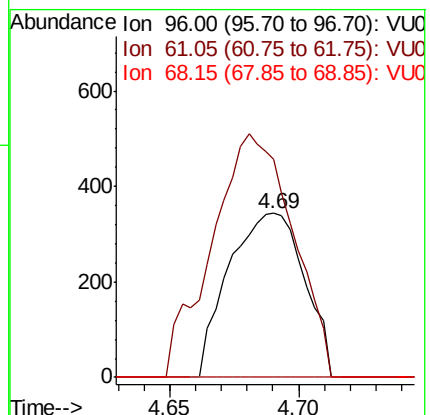
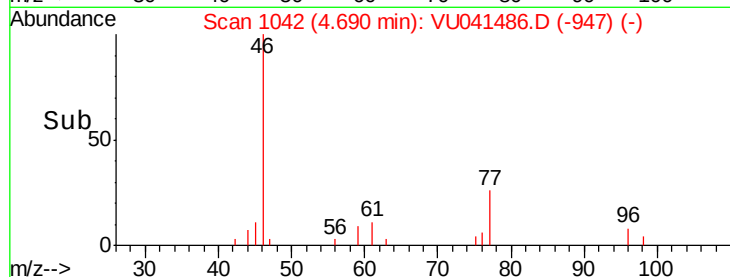
Abundance Ion 96.00 (95.70 to 96.70): VU041486.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU041486.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU041486.D (-1025) (-)

4.69

Time-->



#25

Chloroform

Concen: 0.140 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU041486.D

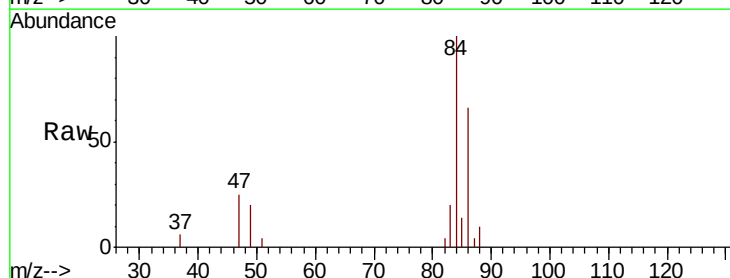
Acq: 07 Dec 2020 12:16

Tgt Ion: 83 Resp: 1172

Ion Ratio Lower Upper

83 100

85 66.3 44.7 82.9

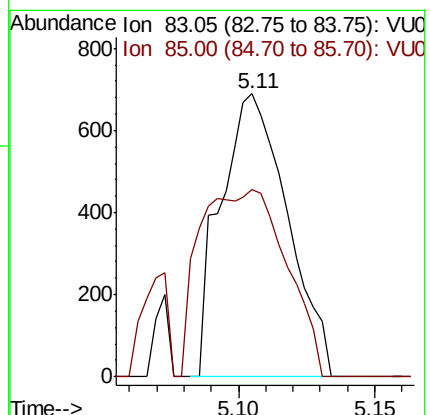
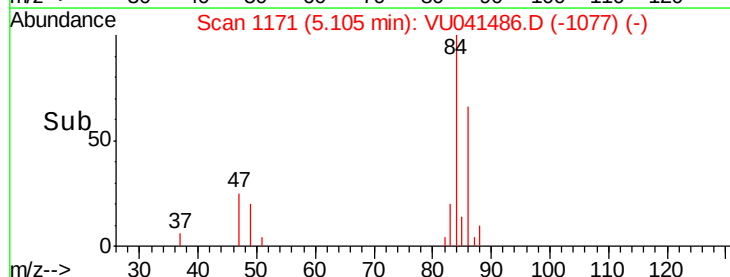


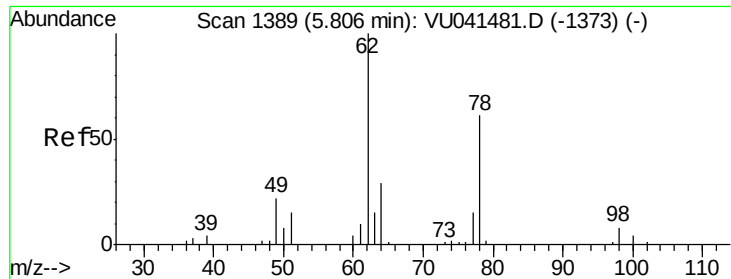
Abundance Ion 83.05 (82.75 to 83.75): VU041486.D (-1156) (-)

Ion 85.00 (84.70 to 85.70): VU041486.D (-1156) (-)

5.11

Time-->

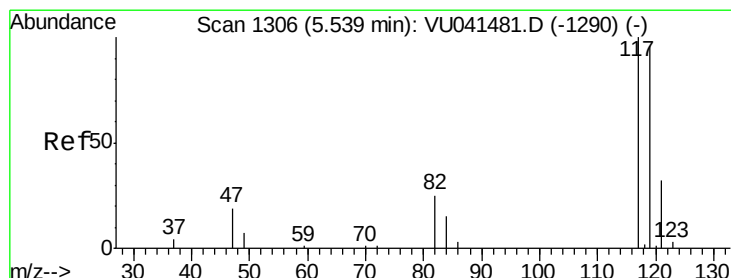
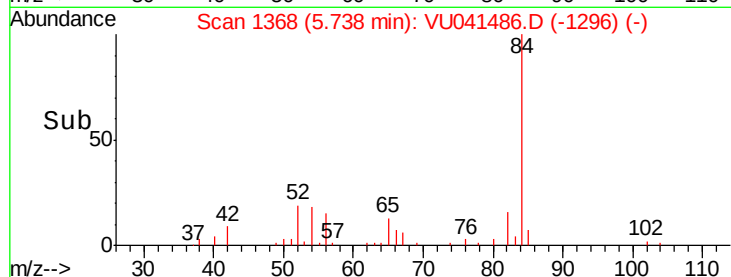
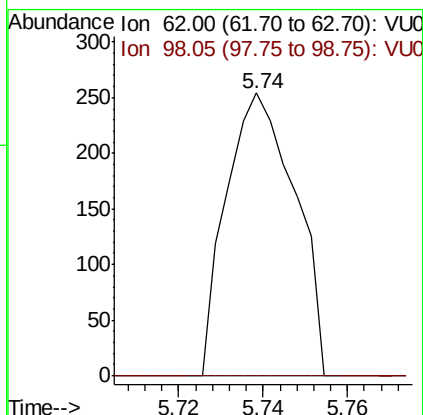
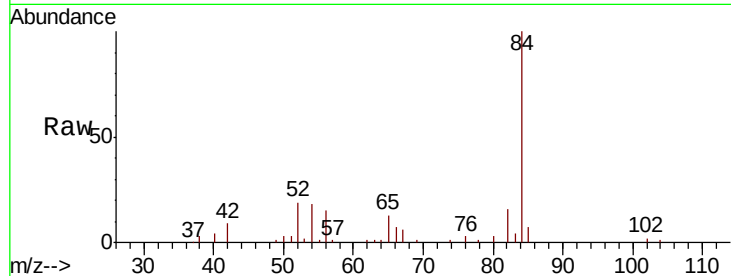




#27
 1,2-Dichloroethane
 Concen: 0.044 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU041486.D
 Acq: 07 Dec 2020 12:16

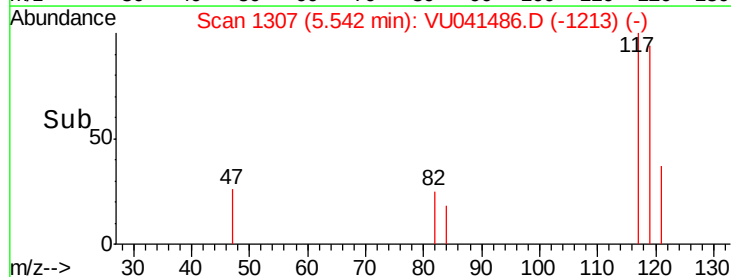
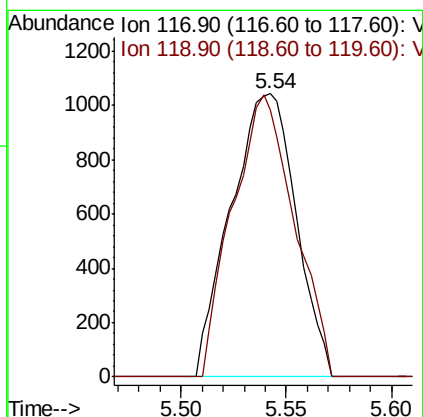
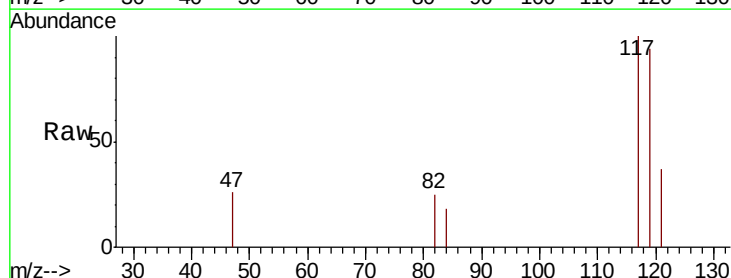
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP6

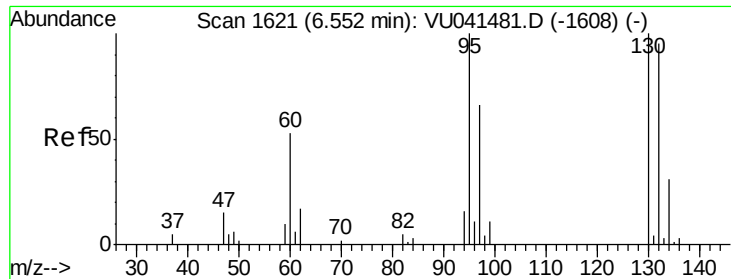
Tot Ion: 62 Resp: 286
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.7 8.5#



#31
 Carbon tetrachloride
 Concen: 0.285 ug/L
 RT: 5.54 min Scan# 1307
 Delta R.T. 0.00 min
 Lab File: VU041486.D
 Acq: 07 Dec 2020 12:16

Tgt Ion: 117 Resp: 2239
 Ion Ratio Lower Upper
 117 100
 119 94.1 77.2 115.8

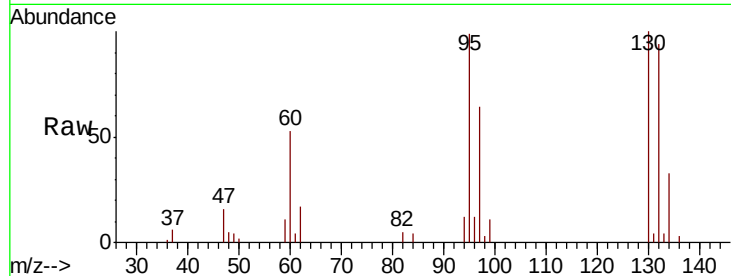




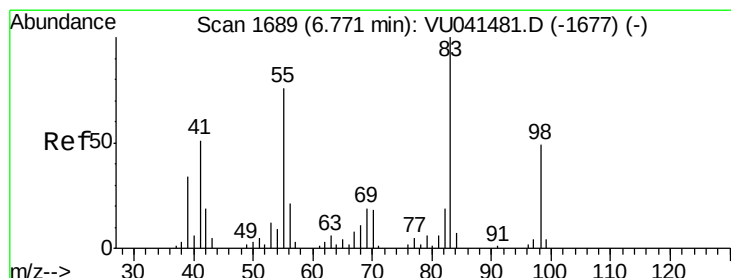
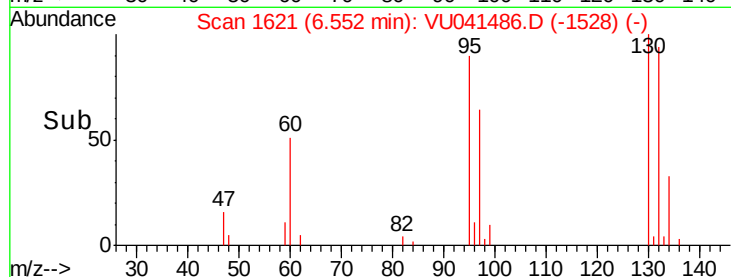
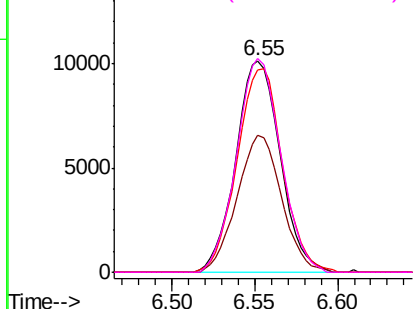
#34
 Trichloroethene
 Concen: 4.277 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041486.D
 Acq: 07 Dec 2020 12:16

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP6

Tot Ion: 95 Resp: 18912
 Ion Ratio Lower Upper
 95 100
 97 64.7 44.7 83.1
 132 95.4 65.7 121.9
 130 101.0 68.8 127.8

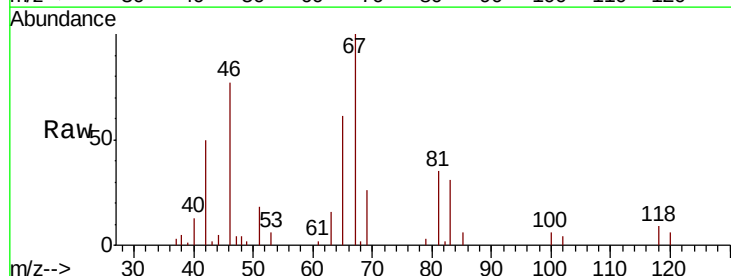


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

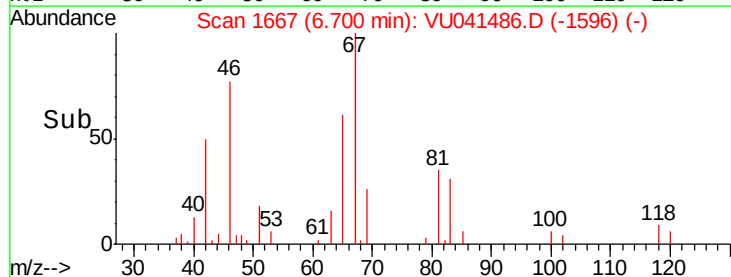
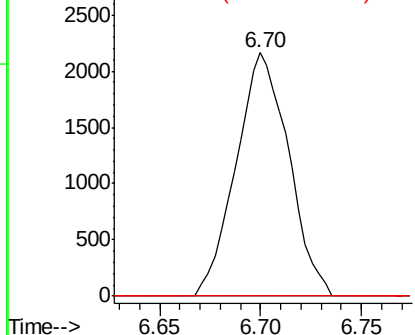


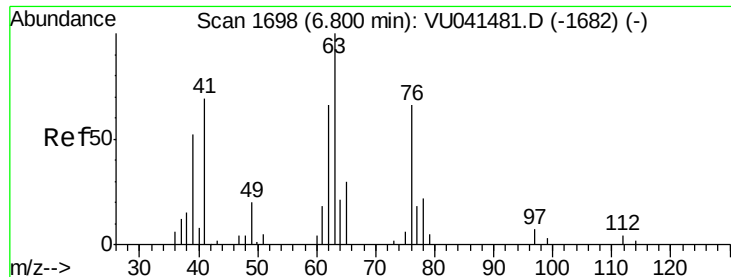
#35
 Methylcyclohexane
 Concen: 0.654 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041486.D
 Acq: 07 Dec 2020 12:16

Tgt Ion: 83 Resp: 3942
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.1 93.1#
 98 12.1 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

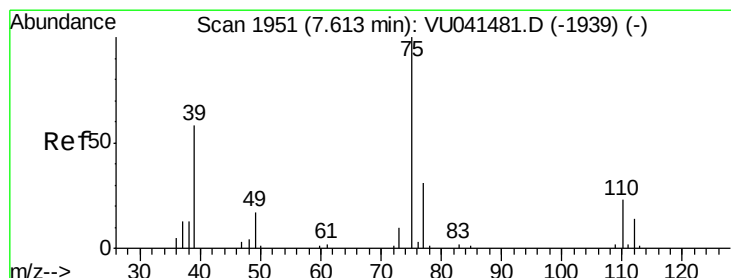
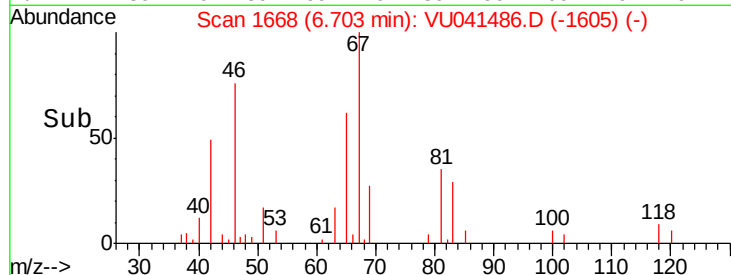
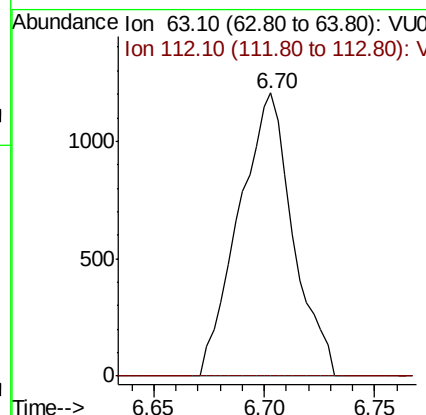
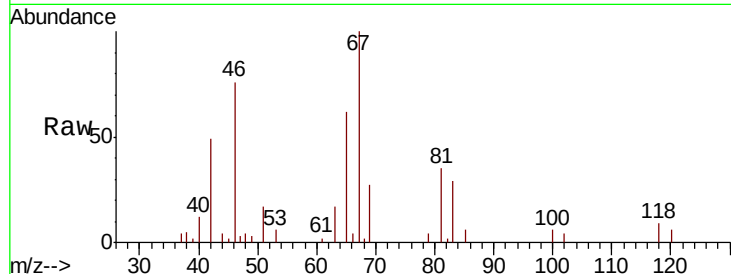




#37
 1,2-Dichloropropane
 Concen: 0.597 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041486.D
 Acq: 07 Dec 2020 12:16

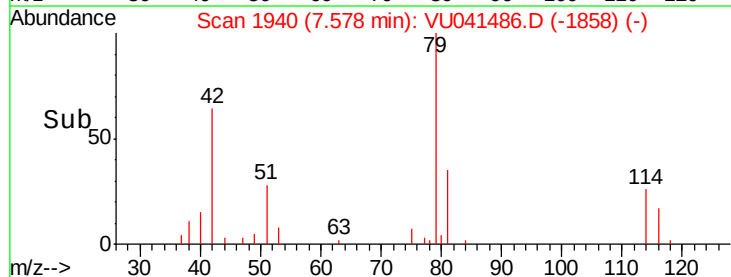
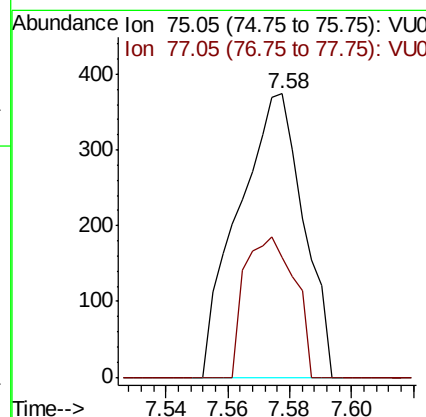
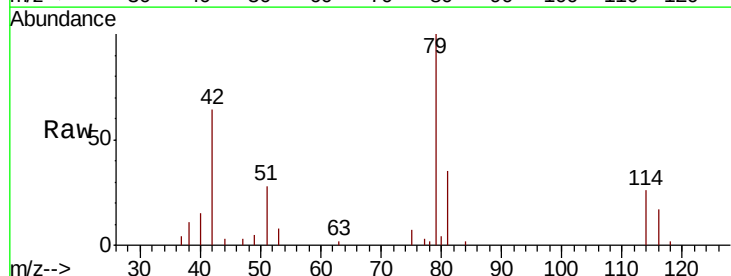
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP6

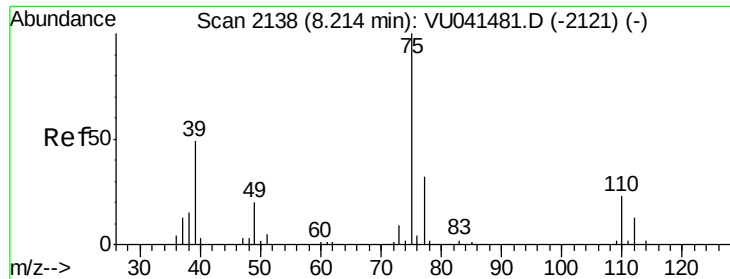
Tot Ion: 63 Resp: 2048
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.088 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041486.D
 Acq: 07 Dec 2020 12:16

Tgt Ion: 75 Resp: 547
 Ion Ratio Lower Upper
 75 100
 77 42.5 24.0 44.6





#44

trans-1,3-Dichloropropene

Concen: 0.041 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041486.D

Acq: 07 Dec 2020 12:16

Instrument :

MSVOA_U

ClientSampleId :

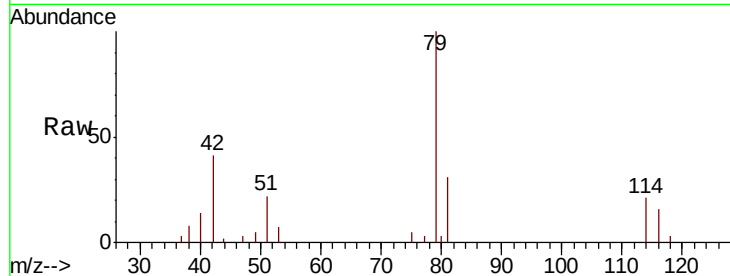
C0AP6

Tot Ion: 75 Resp: 253

Ion Ratio Lower Upper

75 100

77 52.9 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

250

200

150

100

50

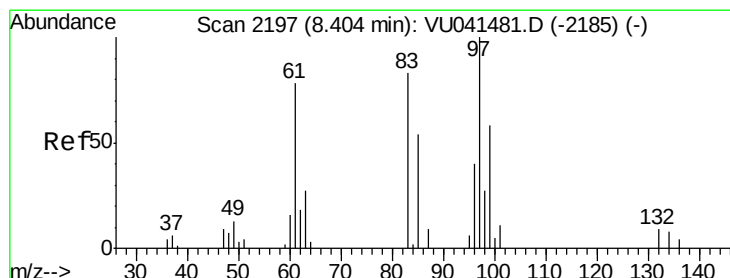
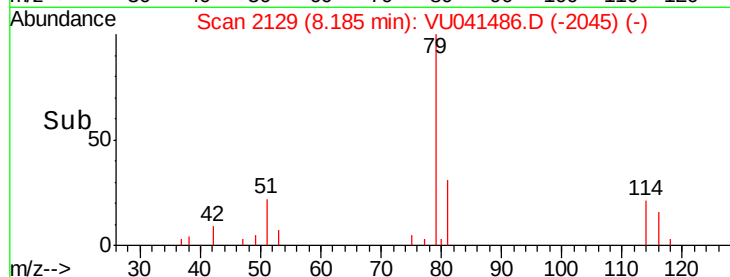
0

8.16

8.18

8.20

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.056 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU041486.D

Acq: 07 Dec 2020 12:16

Tgt Ion: 97 Resp: 187

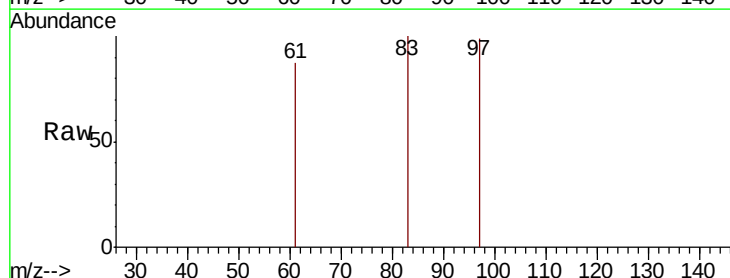
Ion Ratio Lower Upper

97 100

99 0.0 40.7 75.7#

83 101.1 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

250

200

150

100

50

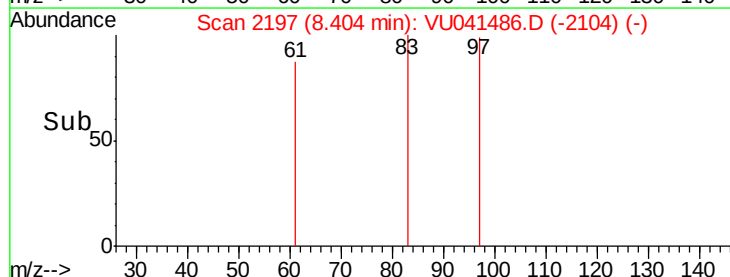
0

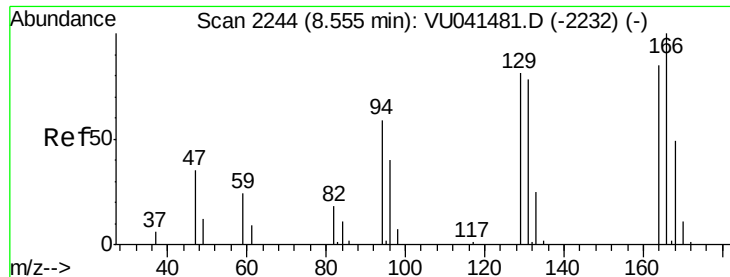
8.38

8.40

8.42

Time-->





#47

Tetrachloroethene

Concen: 41.674 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041486.D

Acq: 07 Dec 2020 12:16

Instrument :

MSVOA_U

ClientSampleId :

C0AP6

Tot Ion:164 Resp: 145547

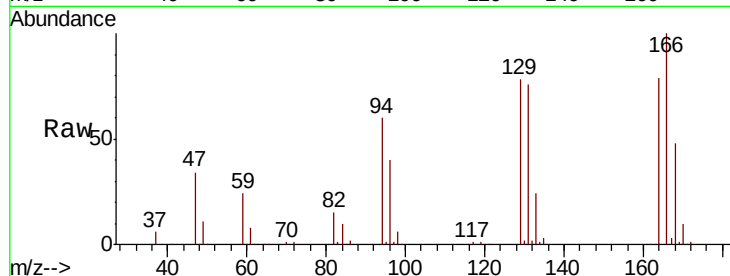
Ion Ratio Lower Upper

164 100

129 99.6 67.1 124.7

131 96.4 63.3 117.7

166 127.3 88.8 164.8

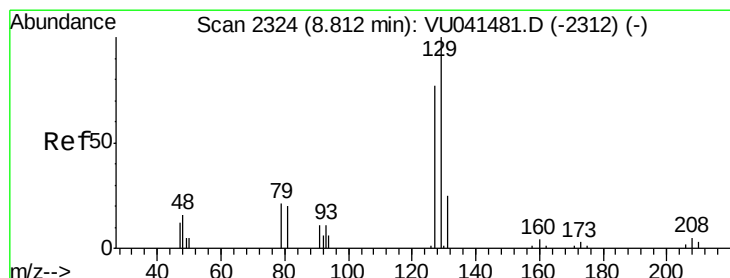
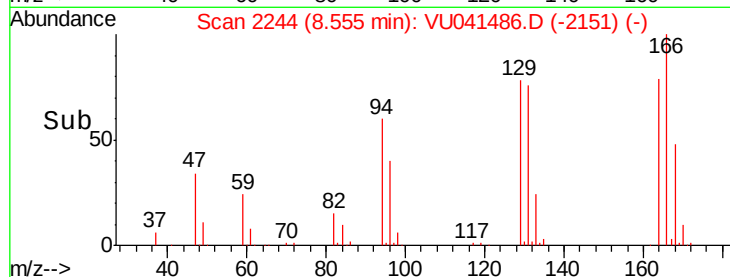
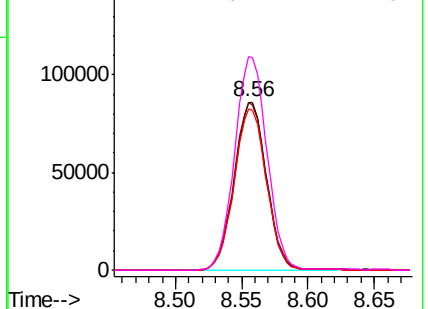


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 31.669 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041486.D

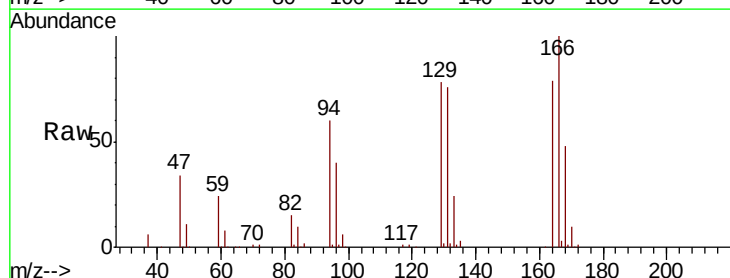
Acq: 07 Dec 2020 12:16

Tgt Ion:129 Resp: 142856

Ion Ratio Lower Upper

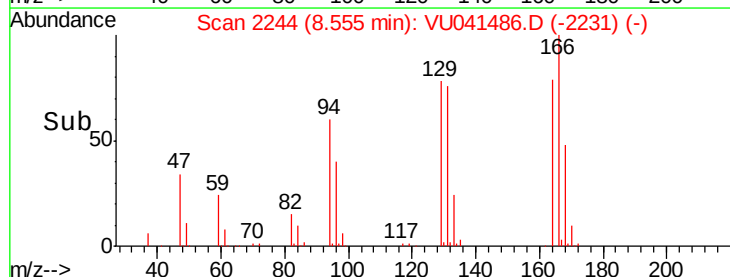
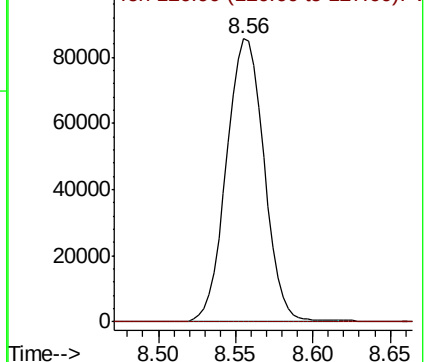
129 100

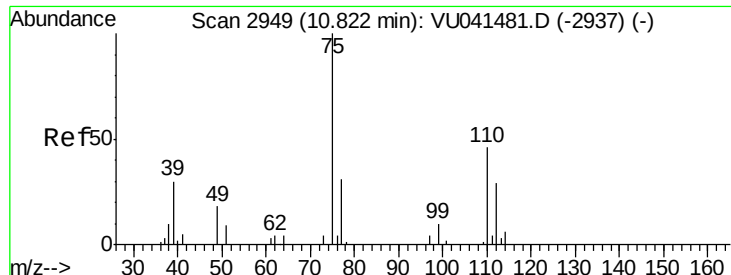
127 0.0 52.4 97.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.898 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041486.D

Acq: 07 Dec 2020 12:16

Instrument :

MSVOA_U

ClientSampleId :

C0AP6

Tot Ion: 75 Resp: 2991

Ion Ratio Lower Upper

75 100

77 42.7 26.3 39.5#

