

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120420\
 Data File : VU041468.D
 Acq On : 04 Dec 2020 14:13
 Operator : SY/MD
 Sample : L4944-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP6

Quant Time: Dec 05 05:26:10 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	52301	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	51222	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	28107	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	13198	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.92	69	12202	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.58	63	24074	3.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.00%
20) 2-Butanone-d5	4.66	46	53519	53.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.26%
24) Chloroform-d	5.08	84	37261	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.72	65	25859	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.74	84	58184	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.70	67	16658	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.90	98	54333	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	8.19	79	9944	5.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.60%
46) 2-Hexanone-d5	8.64	63	42378	51.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.02%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	18420	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	25934	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	2.15	101	100327	12.620	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	266	0.075	ug/L #	17
22) cis-1,2-Dichloroethene	4.68	96	741	0.216	ug/L	94
25) Chloroform	5.11	83	1434	0.197	ug/L	97
27) 1,2-Dichloroethane	5.74	62	381	0.067	ug/L #	79
31) Carbon tetrachloride	5.54	117	2740	0.403	ug/L	86
34) Trichloroethene	6.55	95	21105	5.515	ug/L	95
35) Methylcyclohexane	6.70	83	5070	0.971	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	2471	0.832	ug/L #	84
39) cis-1,3-Dichloropropene	7.57	75	740	0.138	ug/L	85
44) trans-1,3-Dichloropropene	8.19	75	423	0.079	ug/L #	43
45) 1,1,2-Trichloroethane	8.40	97	189	0.066	ug/L	92
47) Tetrachloroethene	8.56	164	160777	53.196	ug/L	96
48) 2-Hexanone	8.64	43	6719	3.513	ug/L #	70
49) Dibromochloromethane	8.56	129	160128	41.020	ug/L #	12
59) 1,2,3-Trichloropropane	11.81	75	2705	0.938	ug/L #	73

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Dec 05 05:22:35 2020
Response via : Initial Calibration

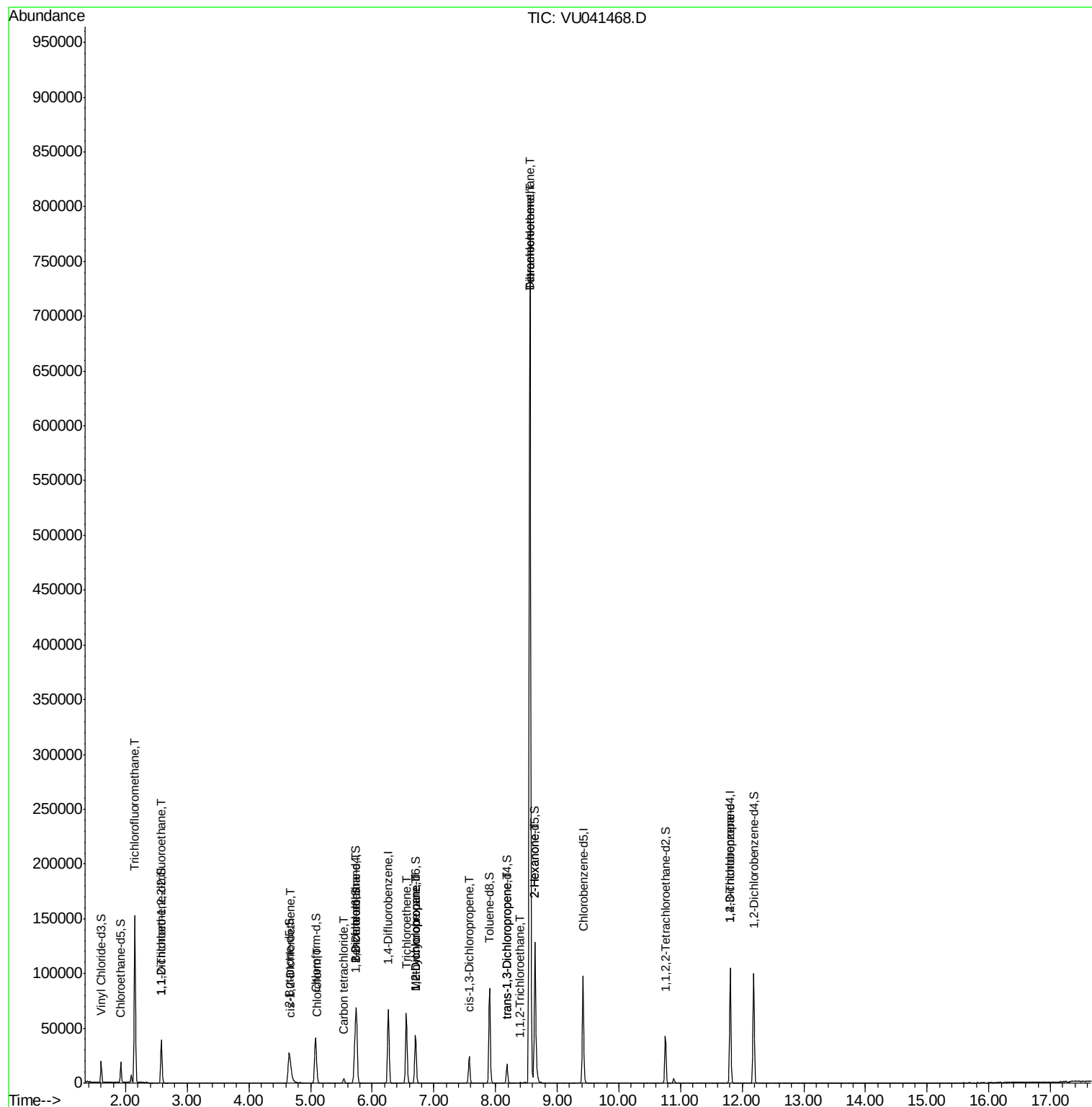
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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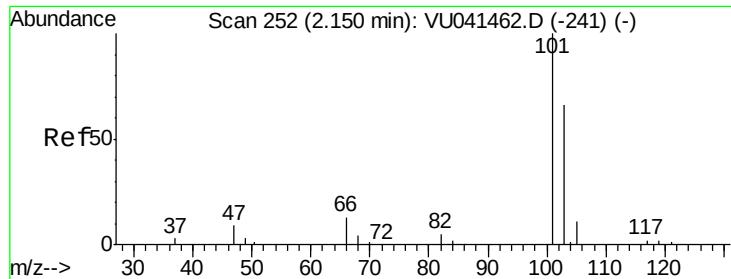
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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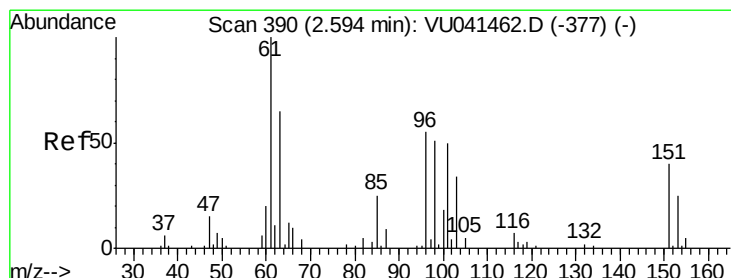
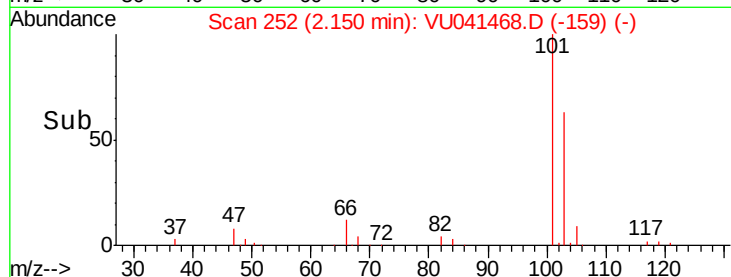
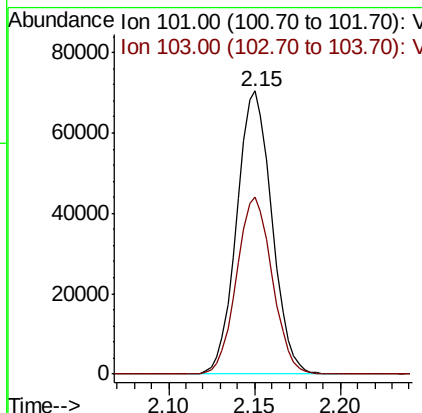
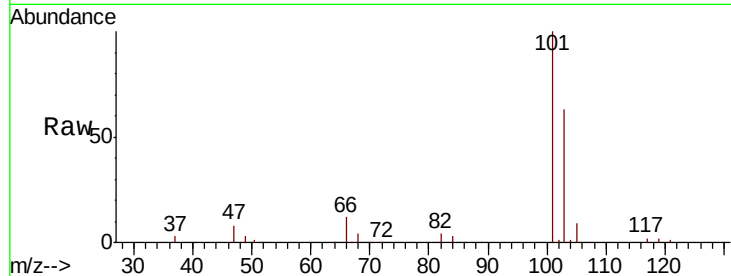


#9

Trichlorofluoromethane
 Concen: 12.620 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VU041468.D
 Acq: 04 Dec 2020 14:13

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP6

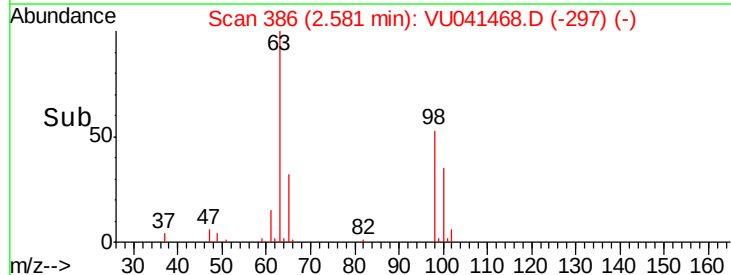
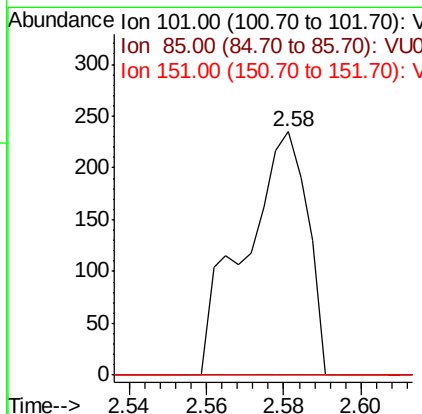
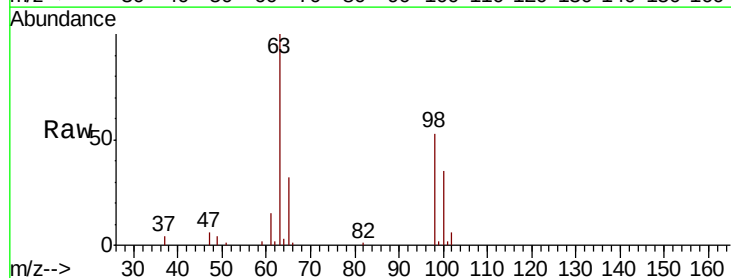
Tot Ion:101 Resp: 100327
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.4 77.0

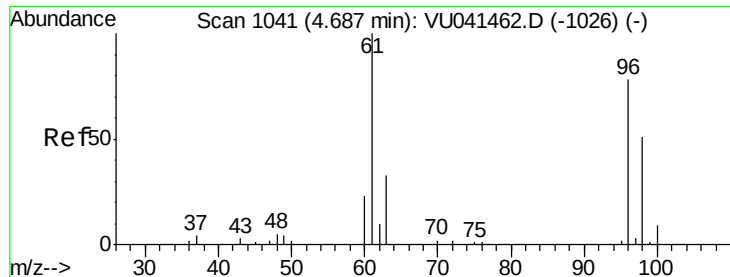


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.075 ug/L
 RT: 2.58 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VU041468.D
 Acq: 04 Dec 2020 14:13

Tgt Ion:101 Resp: 266
 Ion Ratio Lower Upper
 101 100
 85 0.0 39.4 59.2#
 151 0.0 63.8 95.8#





#22

cis-1,2-Dichloroethene

Concen: 0.216 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041468.D

Acq: 04 Dec 2020 14:13

Instrument :

MSVOA_U

ClientSampleId :

C0AP6

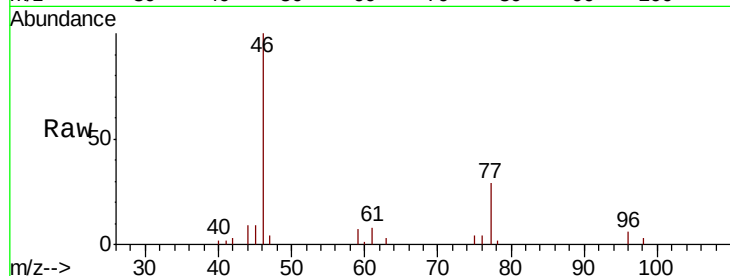
Tot Ion: 96 Resp: 741

Ion Ratio Lower Upper

96 100

61 136.4 90.5 168.1

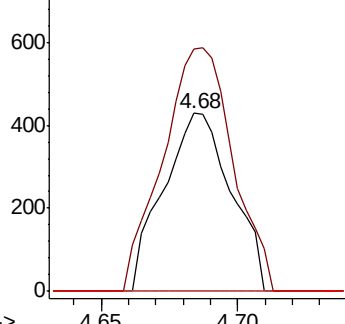
68 0.0 0.0 0.0



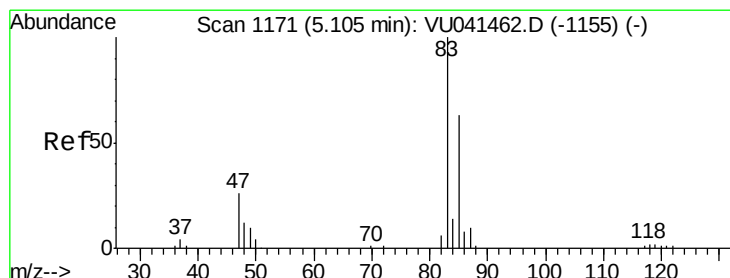
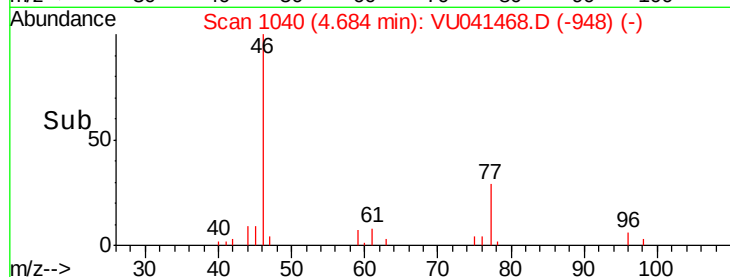
Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



Time-->



#25

Chloroform

Concen: 0.197 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU041468.D

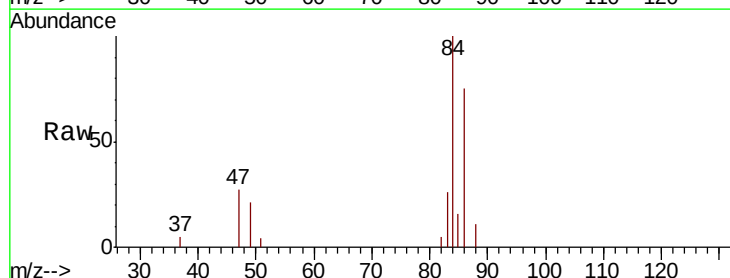
Acq: 04 Dec 2020 14:13

Tgt Ion: 83 Resp: 1434

Ion Ratio Lower Upper

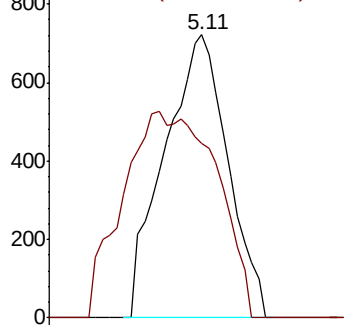
83 100

85 61.8 44.7 82.9

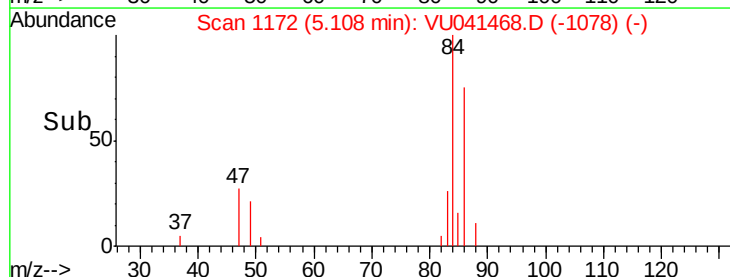


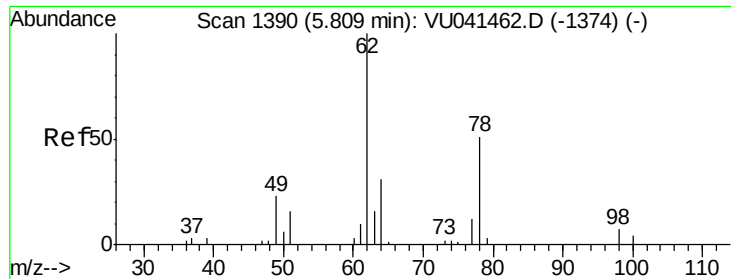
Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



Time-->

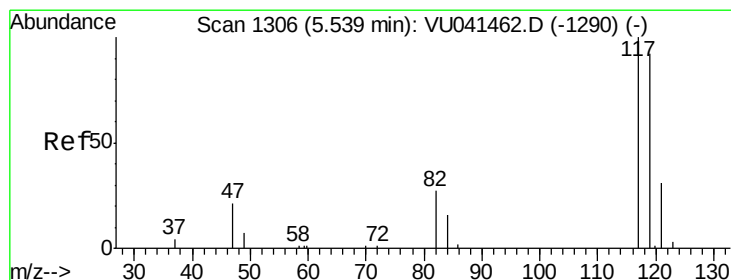
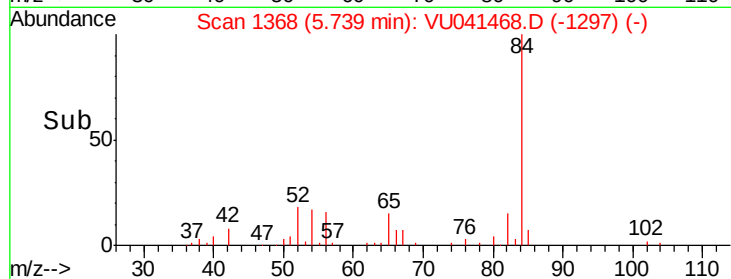
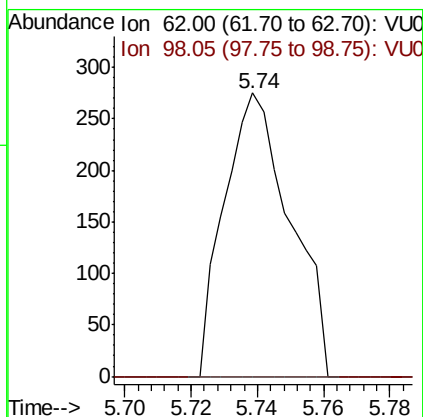
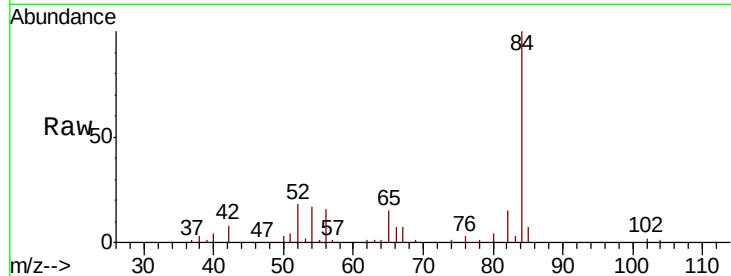




#27
 1,2-Dichloroethane
 Concen: 0.067 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU041468.D
 Acq: 04 Dec 2020 14:13

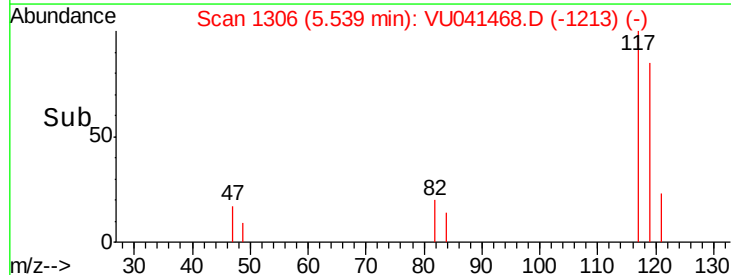
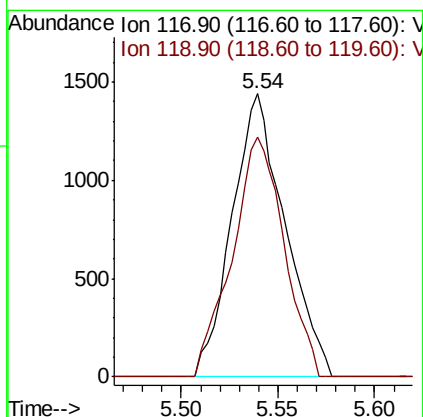
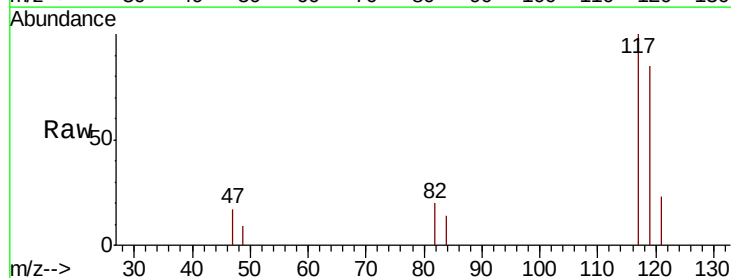
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP6

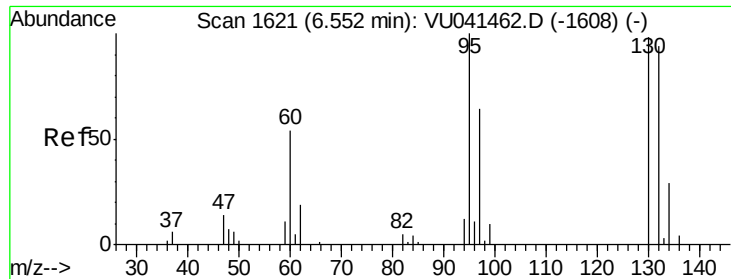
Tot Ion: 62.00 Resp: 381
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.7 8.5#



#31
 Carbon tetrachloride
 Concen: 0.403 ug/L
 RT: 5.54 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: VU041468.D
 Acq: 04 Dec 2020 14:13

Tgt Ion: 117 Resp: 2740
 Ion Ratio Lower Upper
 117 100
 119 82.8 77.2 115.8





#34

Trichloroethene

Concen: 5.515 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041468.D

Acq: 04 Dec 2020 14:13

Instrument :

MSVOA_U

ClientSampleId :

C0AP6

Tot Ion: 95 Resp: 21105

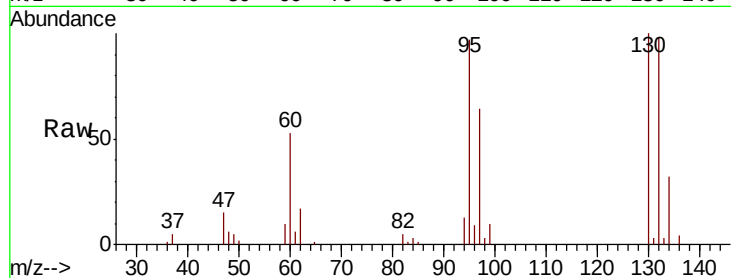
Ion Ratio Lower Upper

95 100

97 65.9 44.7 83.1

132 101.0 65.7 121.9

130 102.6 68.8 127.8

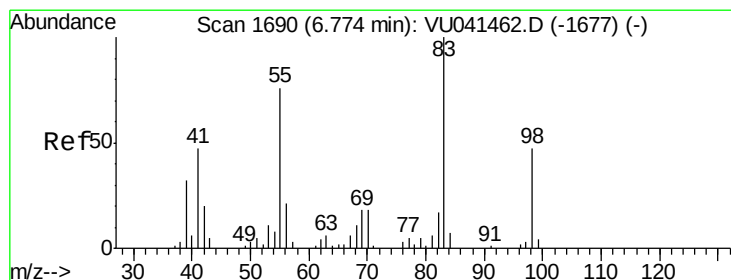
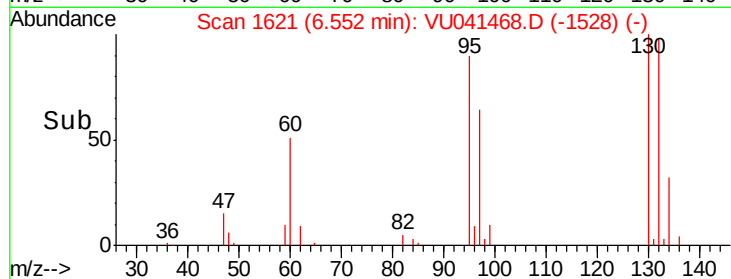
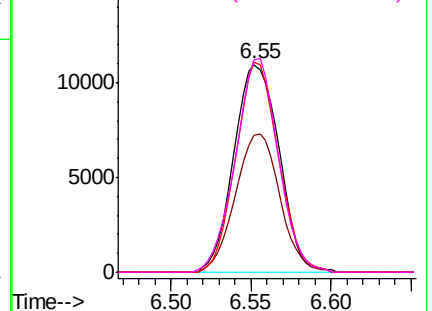


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.971 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041468.D

Acq: 04 Dec 2020 14:13

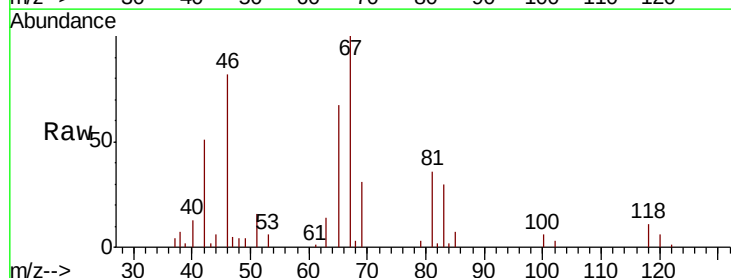
Tgt Ion: 83 Resp: 5070

Ion Ratio Lower Upper

83 100

55 0.0 62.1 93.1#

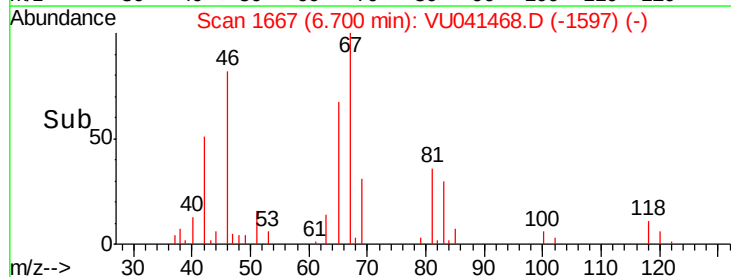
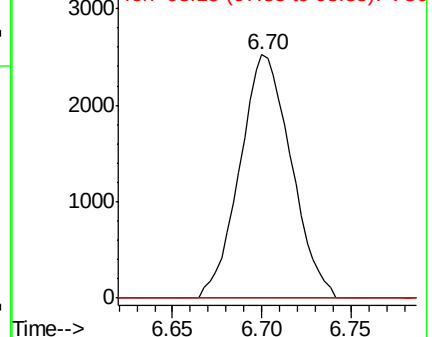
98 0.0 38.7 58.1#

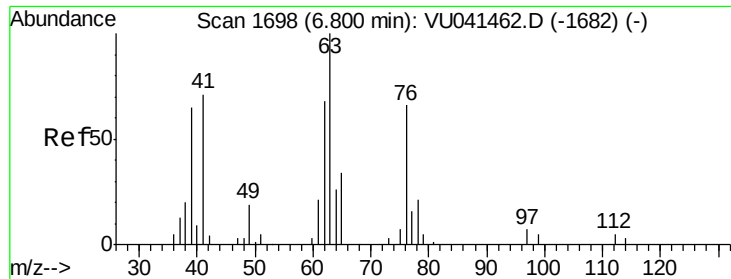


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

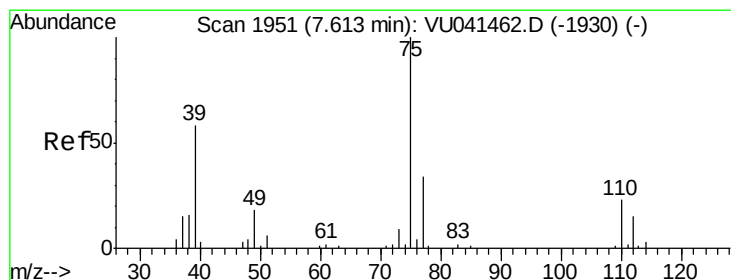
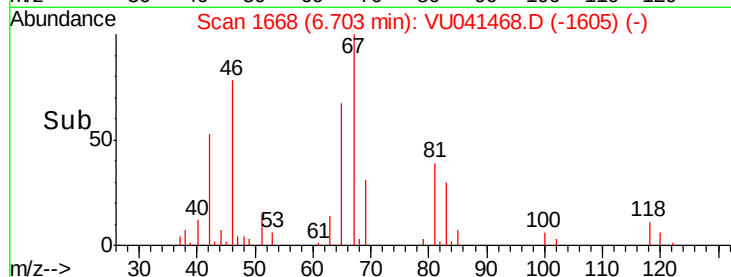
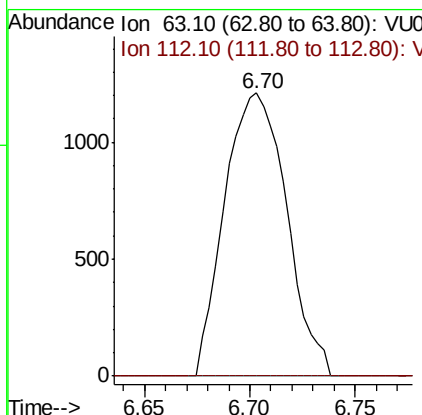
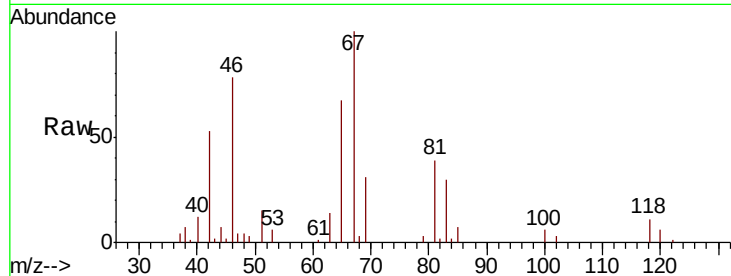




#37
 1,2-Dichloropropane
 Concen: 0.832 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041468.D
 Acq: 04 Dec 2020 14:13

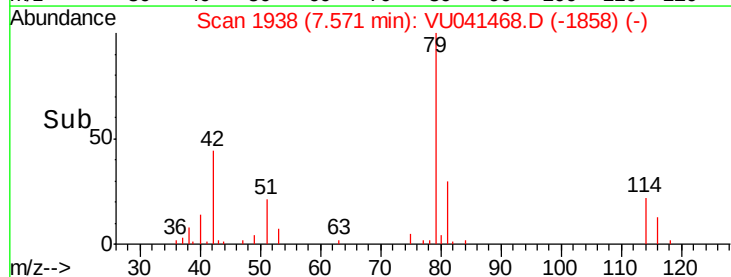
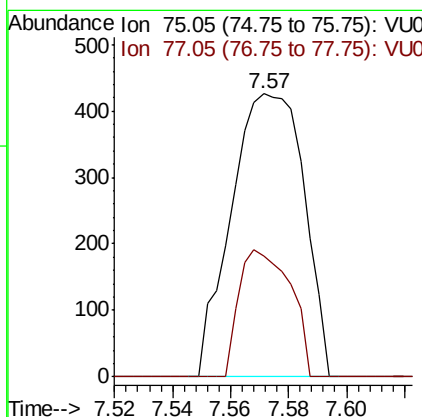
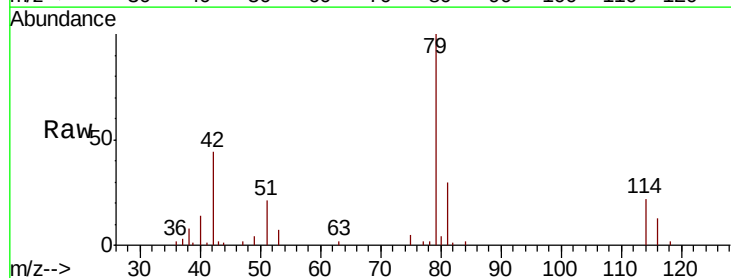
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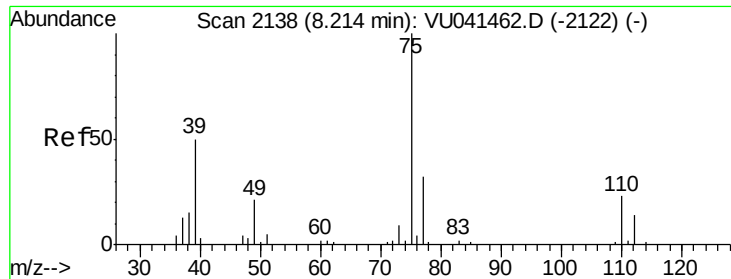
Tot Ion: 63 Resp: 2471
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.138 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041468.D
 Acq: 04 Dec 2020 14:13

Tgt Ion: 75 Resp: 740
 Ion Ratio Lower Upper
 75 100
 77 42.7 24.0 44.6





#44

trans-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041468.D

Acq: 04 Dec 2020 14:13

Instrument :

MSVOA_U

ClientSampleId :

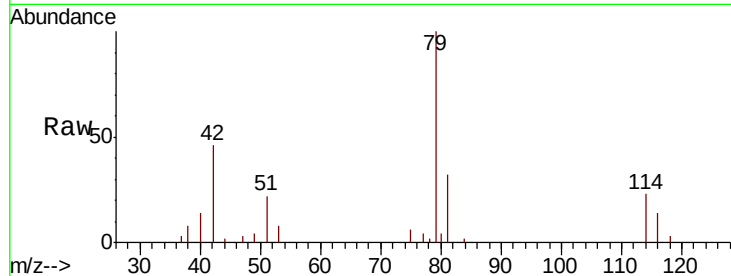
C0AP6

Tot Ion: 75 Resp: 423

Ion Ratio Lower Upper

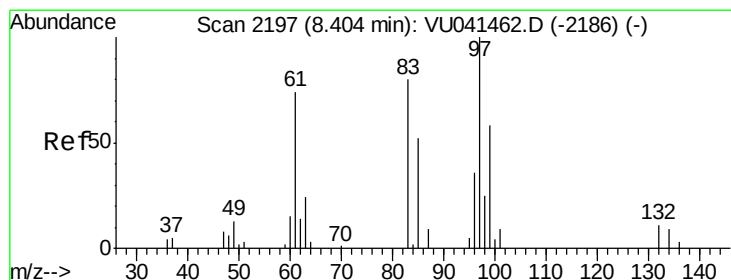
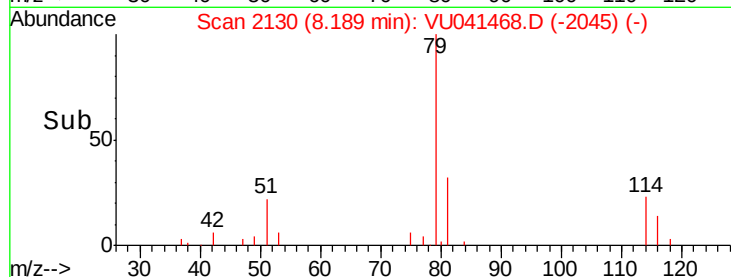
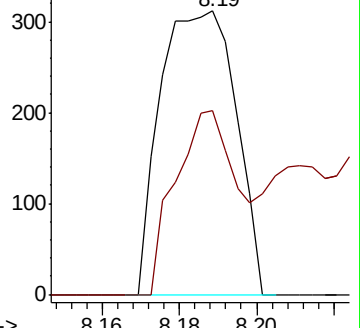
75 100

77 64.7 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#45

1,1,2-Trichloroethane

Concen: 0.066 ug/L

RT: 8.40 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VU041468.D

Acq: 04 Dec 2020 14:13

Tgt Ion: 97 Resp: 189

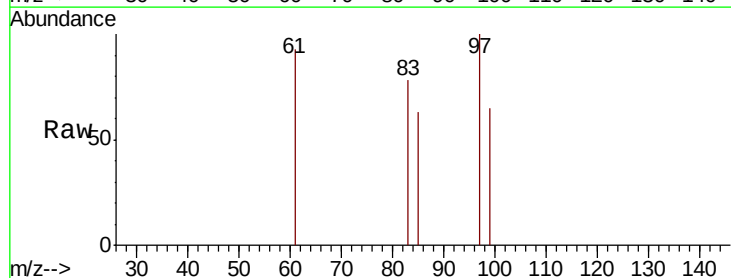
Ion Ratio Lower Upper

97 100

99 65.4 40.7 75.7

83 78.2 56.2 104.4

85 62.6 36.0 67.0

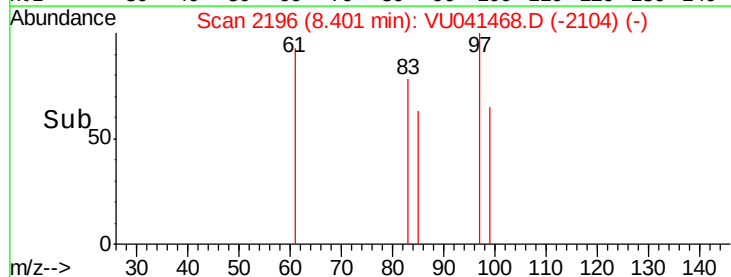
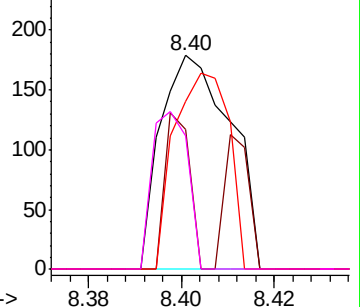


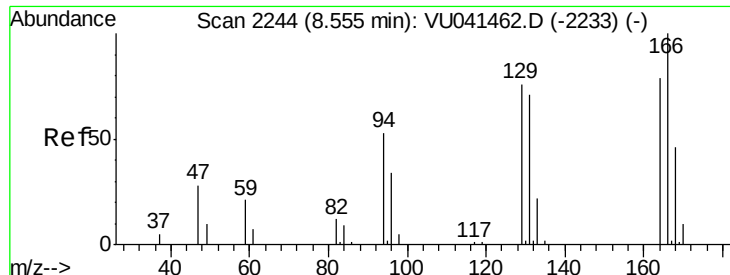
Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 53.196 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041468.D

Acq: 04 Dec 2020 14:13

Instrument :

MSVOA_U

ClientSampled :

C0AP6

Tot Ion:164 Resp: 160777

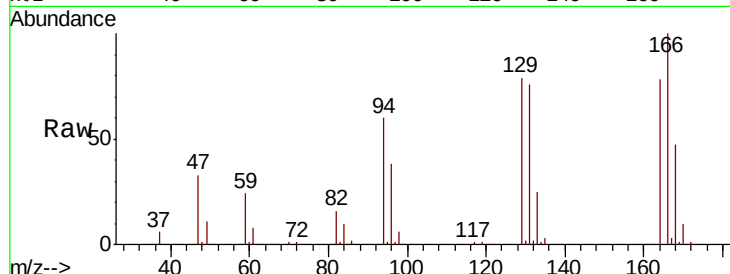
Ion Ratio Lower Upper

164 100

129 101.1 67.1 124.7

131 97.5 63.3 117.7

166 127.6 88.8 164.8

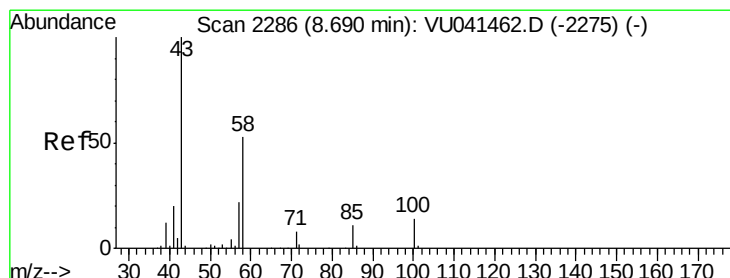
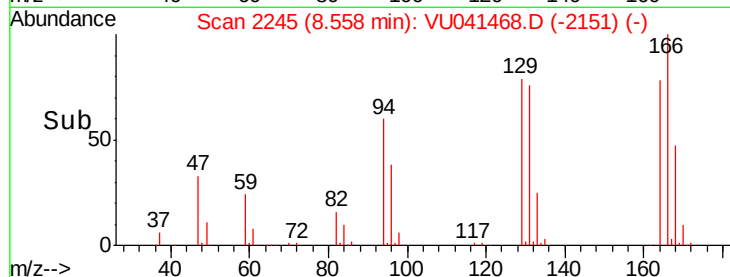
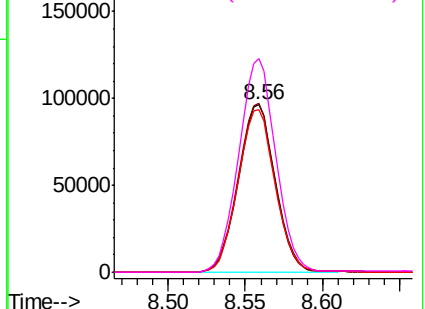


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.513 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041468.D

Acq: 04 Dec 2020 14:13

Tgt Ion: 43 Resp: 6719

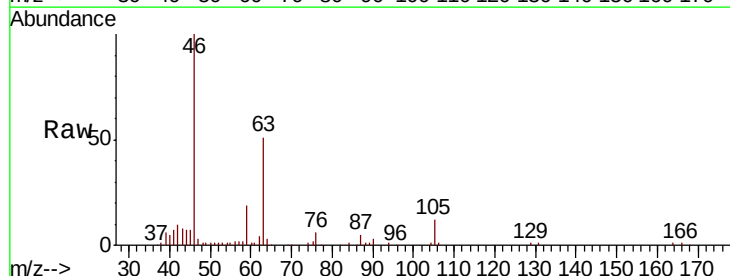
Ion Ratio Lower Upper

43 100

58 23.2 41.4 62.0#

57 20.8 17.1 25.7

100 0.0 10.6 16.0#

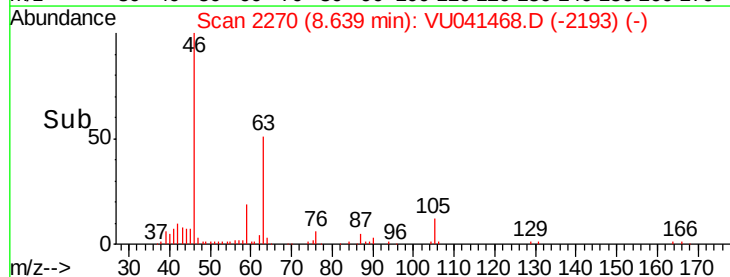
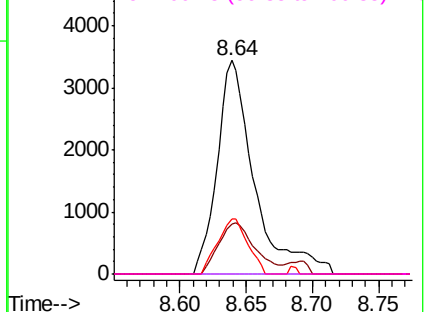


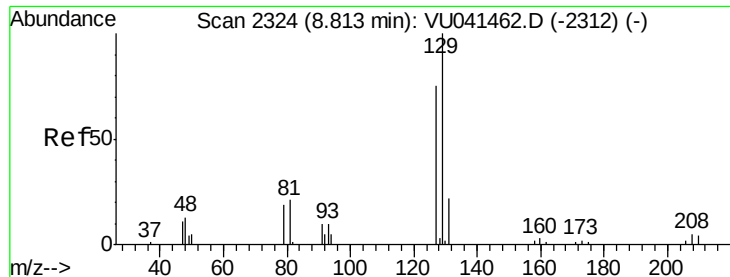
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 41.020 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041468.D

Acq: 04 Dec 2020 14:13

Instrument :

MSVOA_U

ClientSampleId :

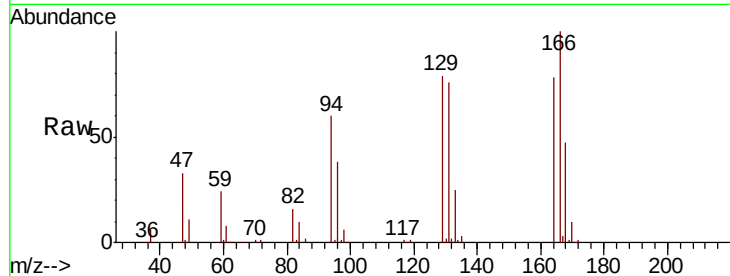
C0AP6

Tot Ion:129 Resp: 160128

Ion Ratio Lower Upper

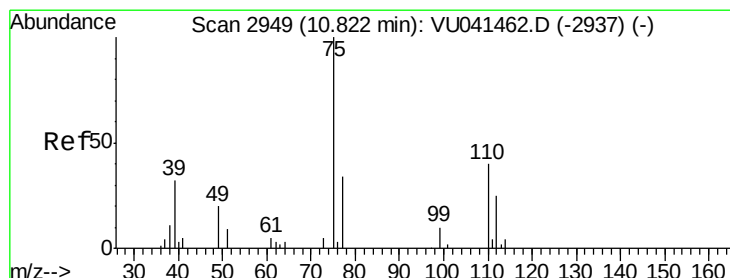
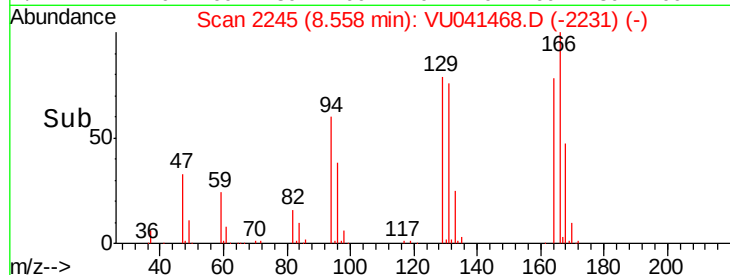
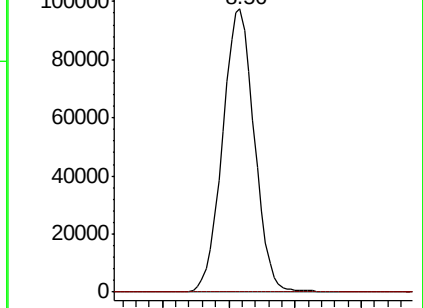
129 100

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: 0.938 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041468.D

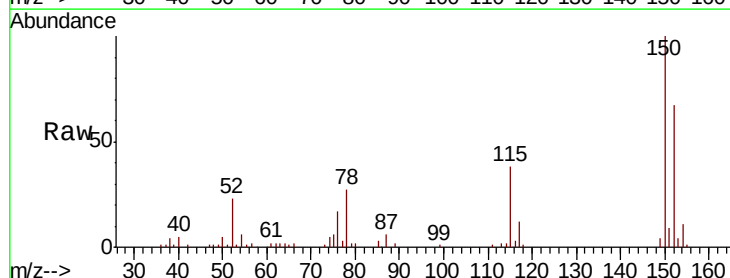
Acq: 04 Dec 2020 14:13

Tgt Ion: 75 Resp: 2705

Ion Ratio Lower Upper

75 100

77 48.1 26.3 39.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

