

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041900.D
 Acq On : 08 Jan 2021 13:13
 Operator : SY/MD
 Sample : M1027-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 09 01:34:12 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jan 09 01:31:59 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	129916	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	129100	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57018	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	36692	3.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.20%
7) Chloroethane-d5	1.92	69	40577	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.58	63	56386	3.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.20%
20) 2-Butanone-d5	4.65	46	157367	53.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.88%
24) Chloroform-d	5.08	84	96319	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.80%
26) 1,2-Dichloroethane-d4	5.72	65	52416	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	5.74	84	177324	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.70	67	57783	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.91	98	140657	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
43) trans-1,3-Dichloropropene-	8.19	79	21771	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.64	63	134878	47.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.68%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	54289	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	56813	5.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.00%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	2885	0.270 ug/L	98
9) Trichlorofluoromethane	2.15	101	768	0.051 ug/L	88
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	591	0.066 ug/L #	22
12) 1,1-Dichloroethene	2.57	96	590	0.067 ug/L #	1
13) Acetone	2.66	43	3916	2.110 ug/L	69
15) Methyl Acetate	2.95	43	679	0.141 ug/L #	51
29) 1,1,1-Trichloroethane	5.33	97	1375	0.093 ug/L #	77
33) Benzene	5.74	78	1256	0.030 ug/L	100
34) Trichloroethene	6.55	95	1587	0.153 ug/L #	82
35) Methylcyclohexane	6.70	83	13910	0.829 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5976	0.566 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1064	0.068 ug/L #	70
44) trans-1,3-Dichloropropene	8.19	75	717	0.051 ug/L #	30
47) Tetrachloroethene	8.56	164	3114	0.429 ug/L	91
48) 2-Hexanone	8.64	43	14528	2.656 ug/L #	68
49) Dibromochloromethane	8.56	129	3055	0.341 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5515	0.695 ug/L	92

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Instrument :
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Quant Time: Jan 09 01:34:12 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 09 01:31:59 2021
Response via : Initial Calibration

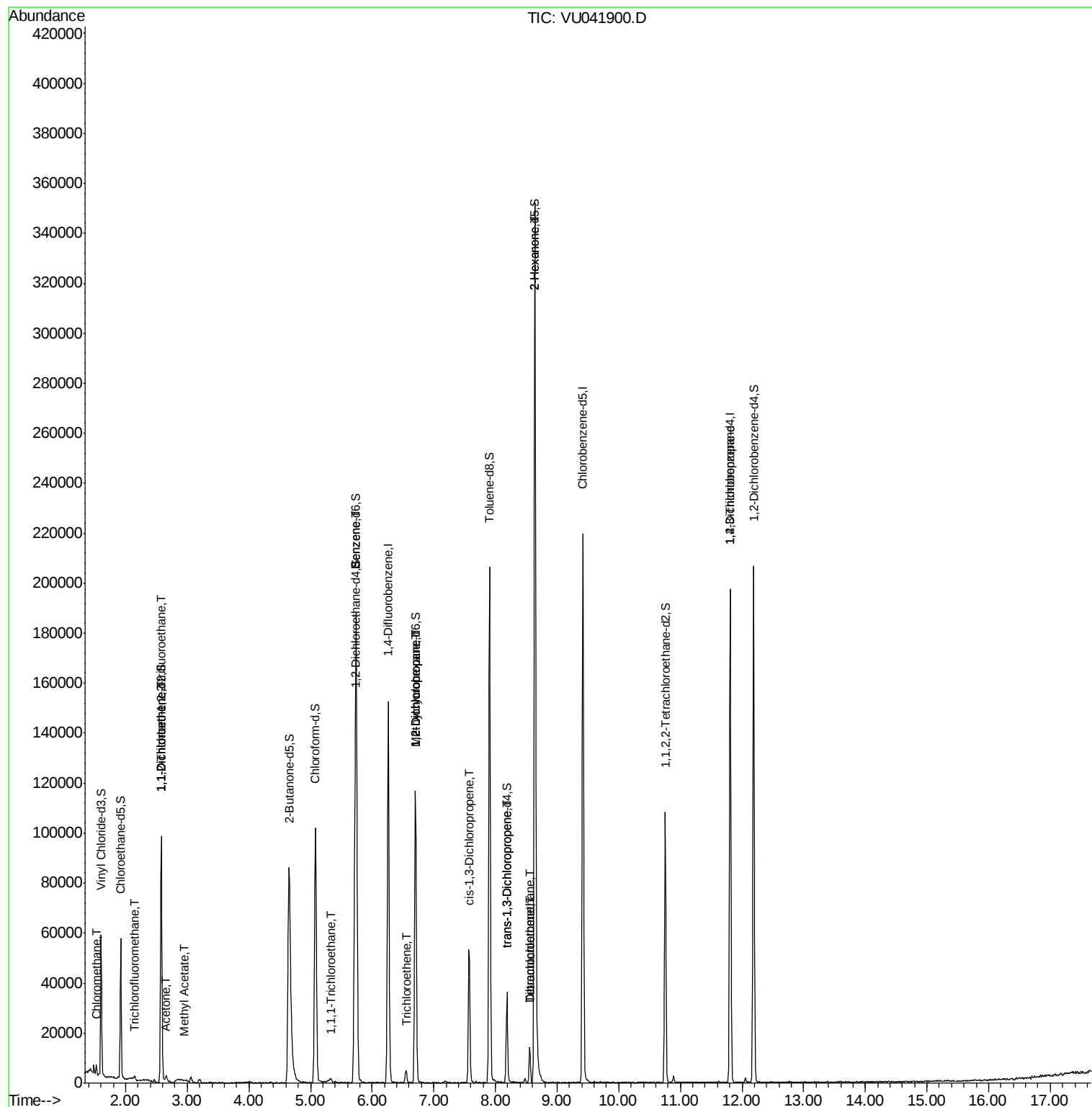
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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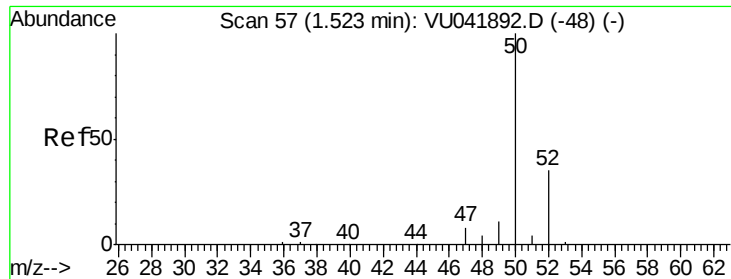
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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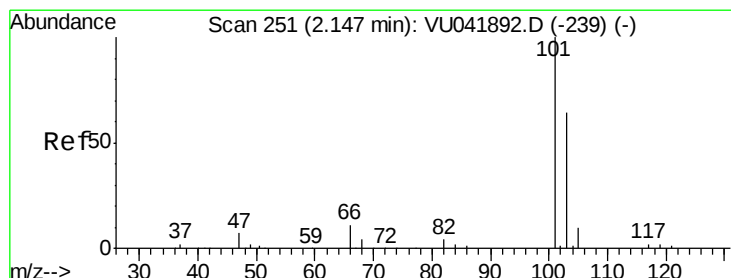
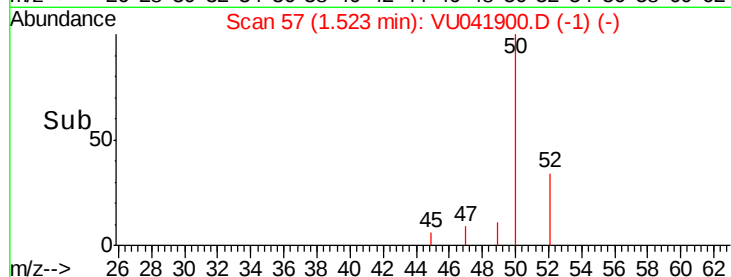
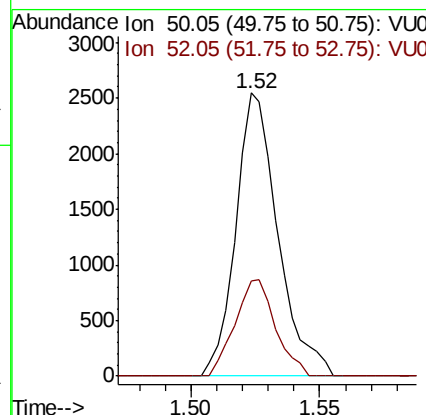
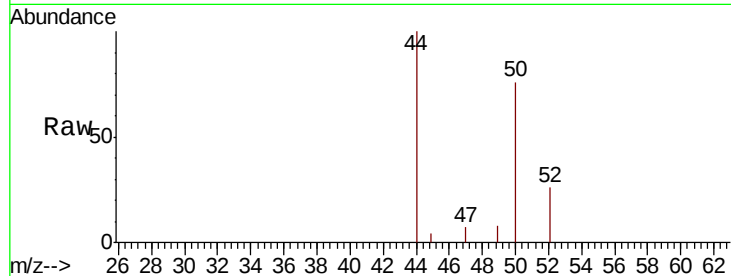




#3
 Chloromethane
 Concen: 0.270 ug/L
 RT: 1.52 min Scan# 57
 Delta R.T. -0.00 min
 Lab File: VU041900.D
 Acq: 08 Jan 2021 13:13

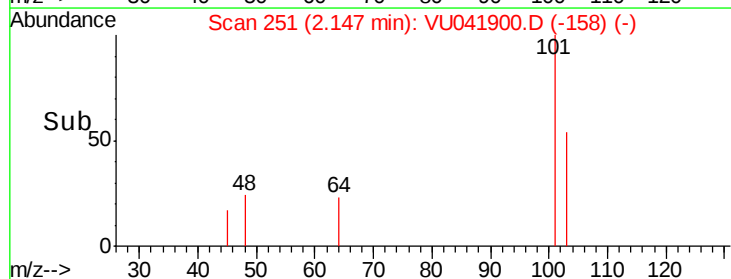
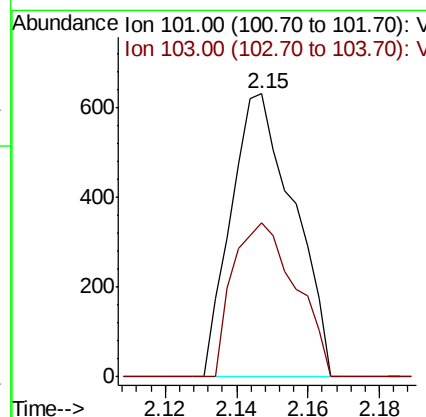
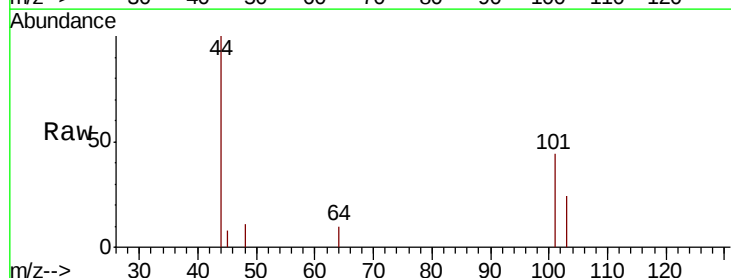
Instrument :
 MSVOA_U
 ClientSampleID :

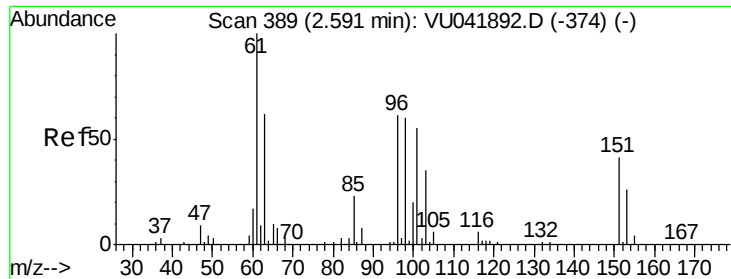
Tot Ion: 50 Resp: 2885
 Ion Ratio Lower Upper
 50 100
 52 33.6 24.1 44.8



#9
 Trichlorofluoromethane
 Concen: 0.051 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VU041900.D
 Acq: 08 Jan 2021 13:13

Tgt Ion: 101 Resp: 768
 Ion Ratio Lower Upper
 101 100
 103 54.6 51.1 76.7





#10

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

Concen: 0.066 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041900.D

Acq: 08 Jan 2021 13:13

Instrument :

MSVOA_U

ClientSampleId :

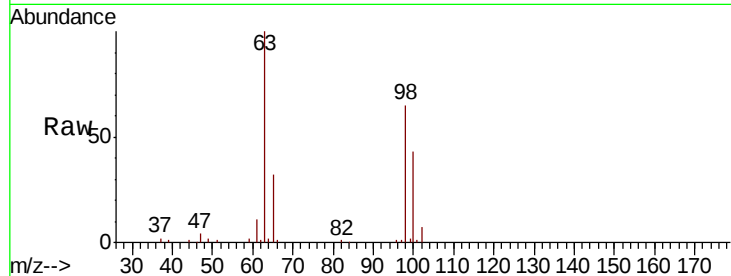
Tot Ion:101 Resp: 591

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

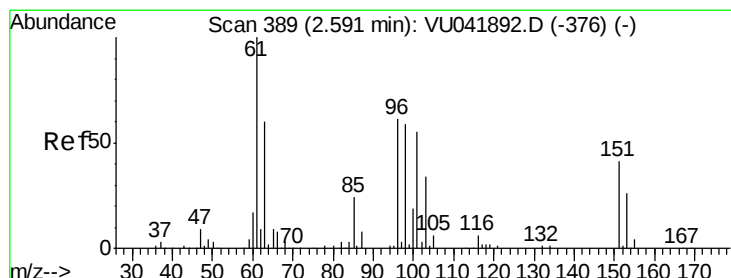
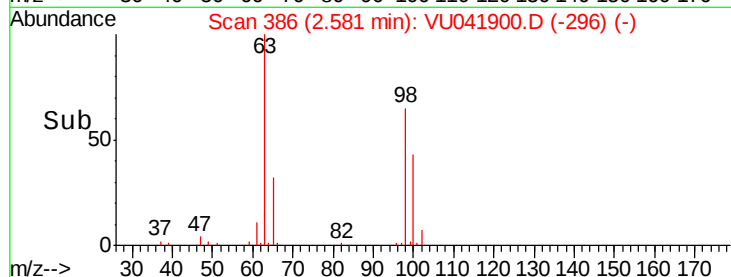
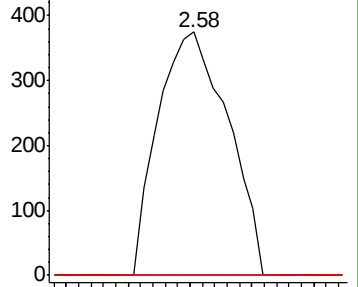
151 0.0 56.2 84.4#



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



#12

1,1-Dichloroethene

Concen: 0.067 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041900.D

Acq: 08 Jan 2021 13:13

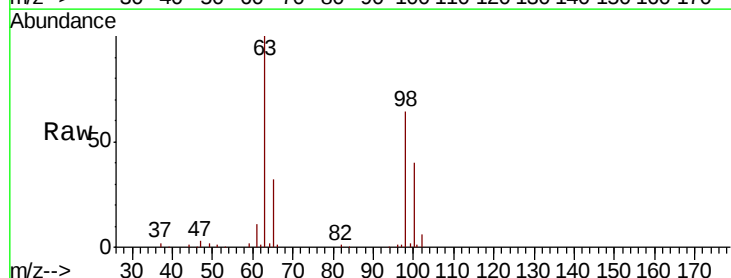
Tgt Ion: 96 Resp: 590

Ion Ratio Lower Upper

96 100

61 962.4 123.8 230.0#

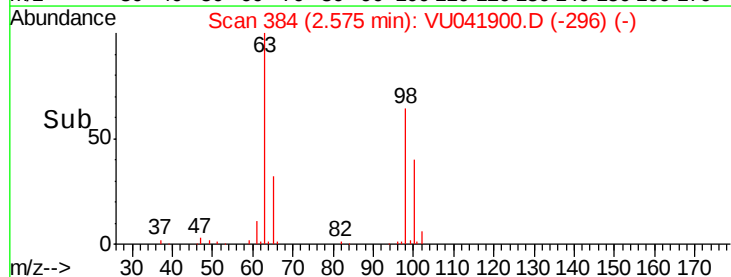
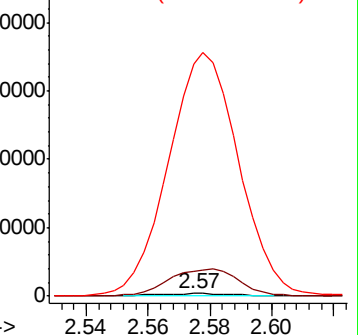
63 8930.5 81.0 150.4#

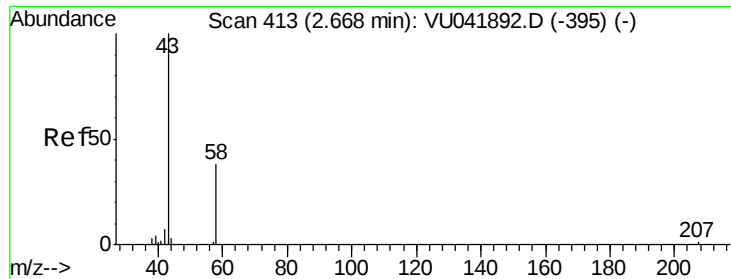


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.110 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.01 min

Lab File: VU041900.D

Acq: 08 Jan 2021 13:13

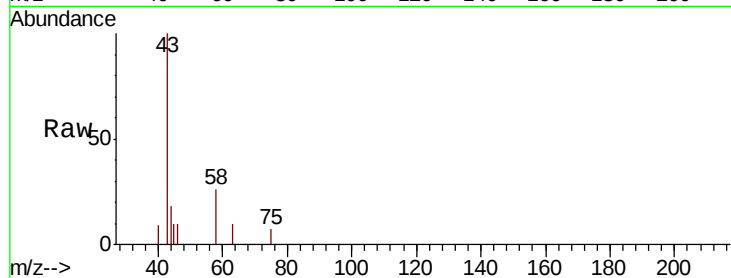
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 3916

Ion Ratio Lower Upper

43 100

58 18.4 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041892.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041892.D (-395) (-)

2.66

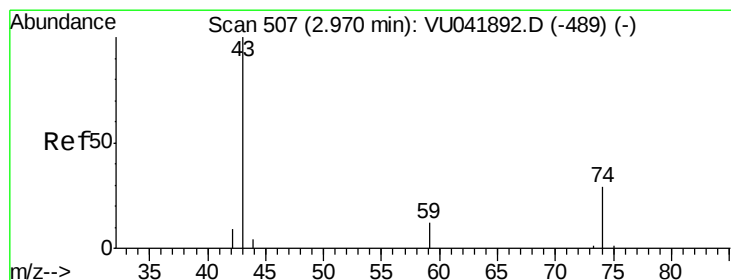
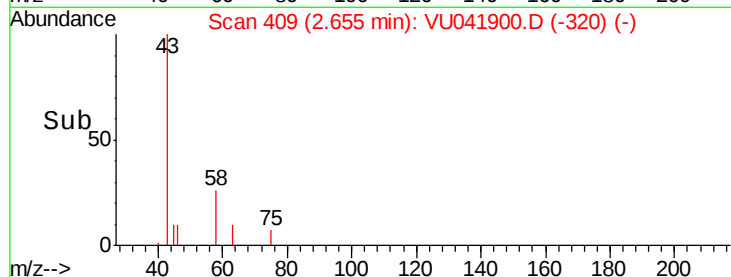
1500

1000

500

0

Time-->



#15

Methyl Acetate

Concen: 0.141 ug/L

RT: 2.95 min Scan# 502

Delta R.T. -0.02 min

Lab File: VU041900.D

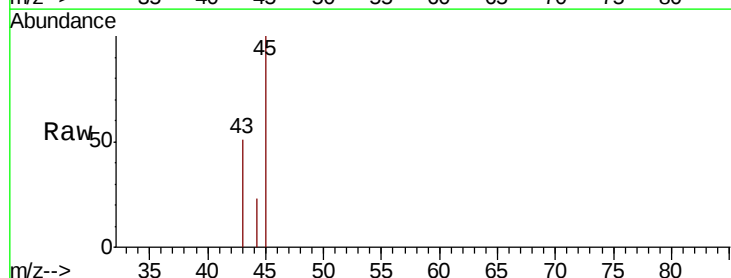
Acq: 08 Jan 2021 13:13

Tgt Ion: 43 Resp: 679

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU041892.D (-489) (-)

Ion 74.05 (73.75 to 74.75): VU041892.D (-489) (-)

2.95

400

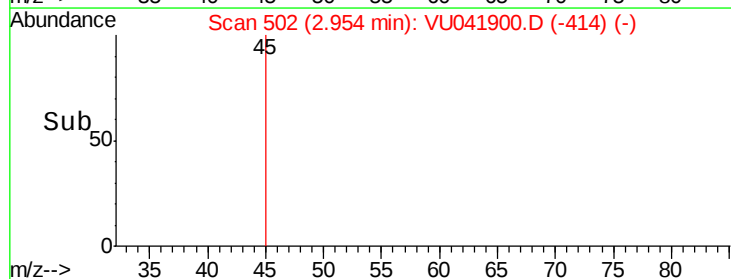
300

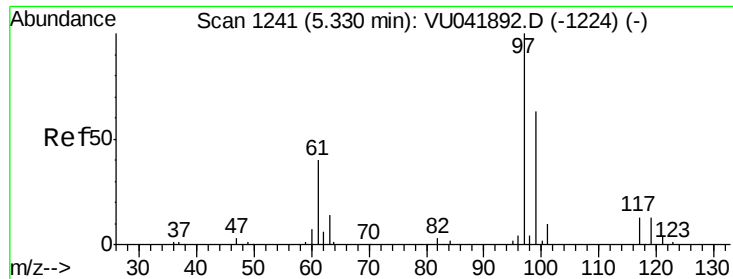
200

100

0

Time-->

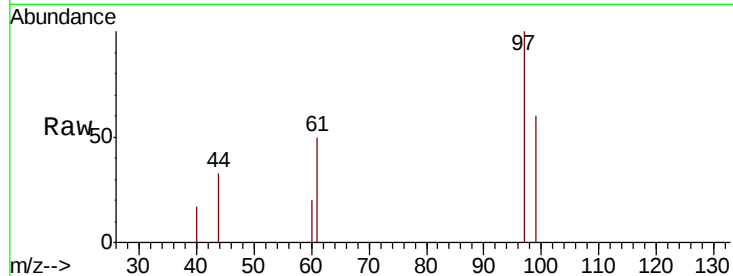




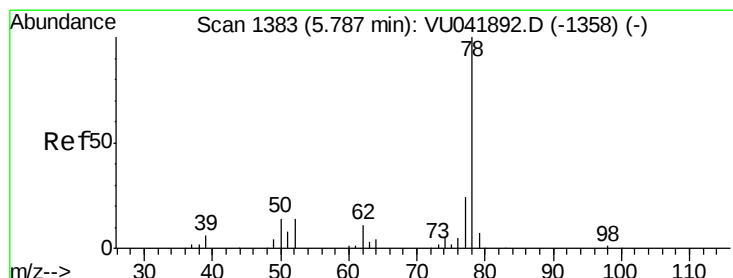
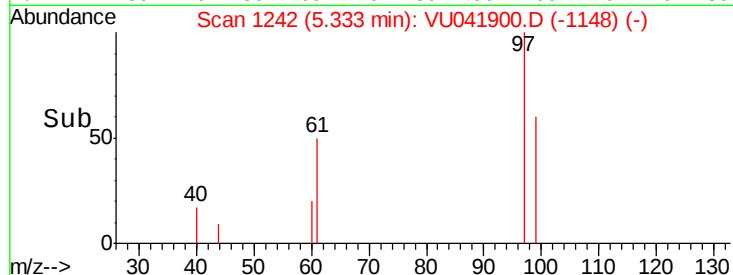
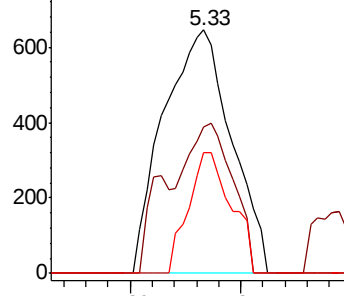
#29
 1,1,1-Trichloroethane
 Concen: 0.093 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041900.D
 Acq: 08 Jan 2021 13:13

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 1375
 Ion Ratio Lower Upper
 97 100
 99 45.2 51.3 76.9#
 61 31.5 36.5 54.7#

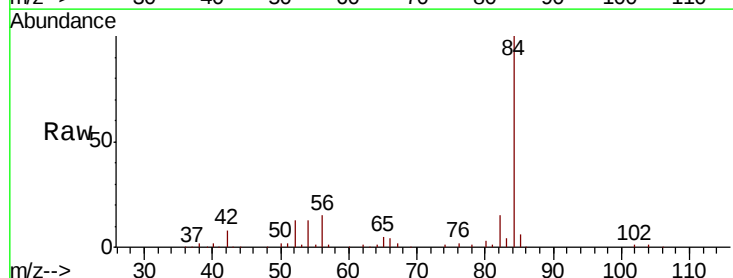


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

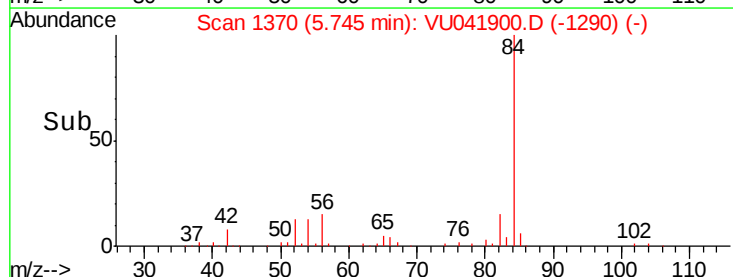
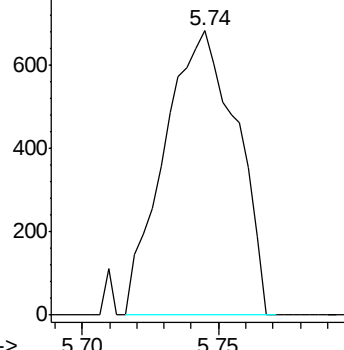


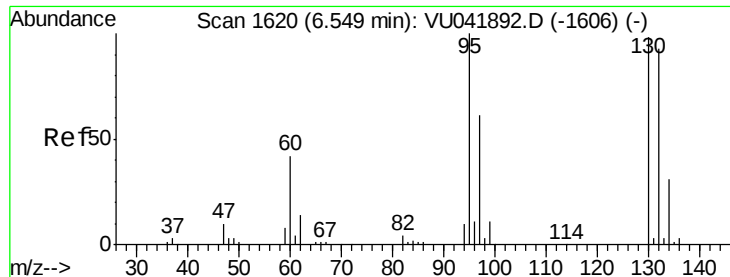
#33
 Benzene
 Concen: 0.030 ug/L
 RT: 5.74 min Scan# 1370
 Delta R.T. -0.04 min
 Lab File: VU041900.D
 Acq: 08 Jan 2021 13:13

Tgt Ion: 78 Resp: 1256



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.153 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041900.D

Acq: 08 Jan 2021 13:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 1587

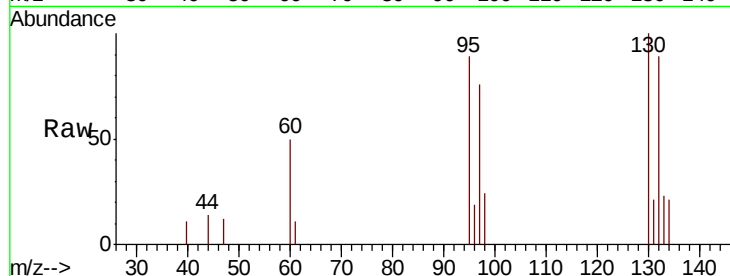
Ion Ratio Lower Upper

95 100

97 85.8 43.9 81.5#

132 100.0 63.1 117.3

130 113.0 67.4 125.2

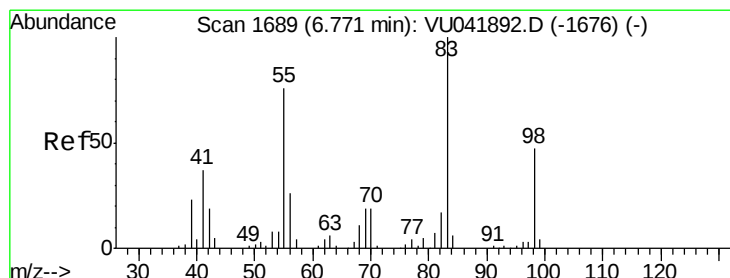
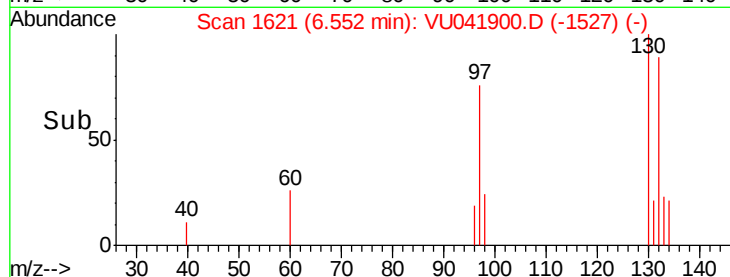
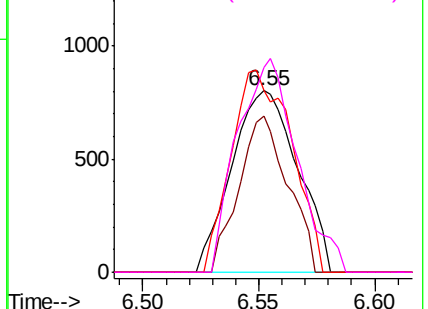


Abundance Ion 95.00 (94.70 to 95.70): VU041892.D (-1606) (-)

Ion 96.95 (96.65 to 97.65): VU041892.D (-1606) (-)

Ion 131.95 (131.65 to 132.65): VU041892.D (-1606) (-)

Ion 129.95 (129.65 to 130.65): VU041892.D (-1606) (-)



#35

Methylcyclohexane

Concen: 0.829 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041900.D

Acq: 08 Jan 2021 13:13

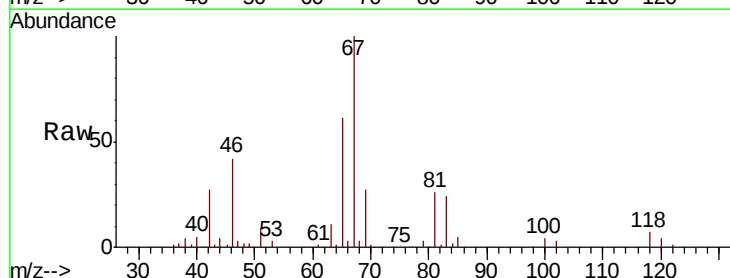
Tgt Ion: 83 Resp: 13910

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

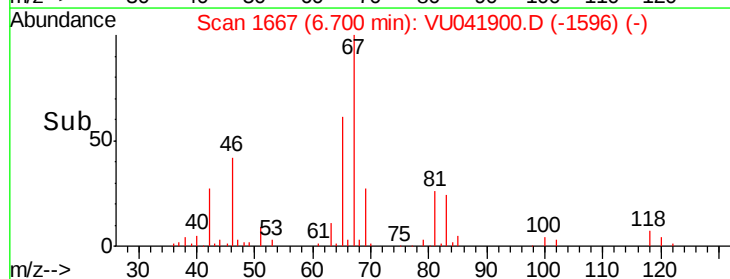
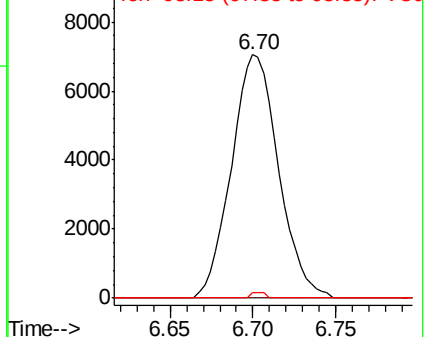
98 0.6 36.6 54.8#

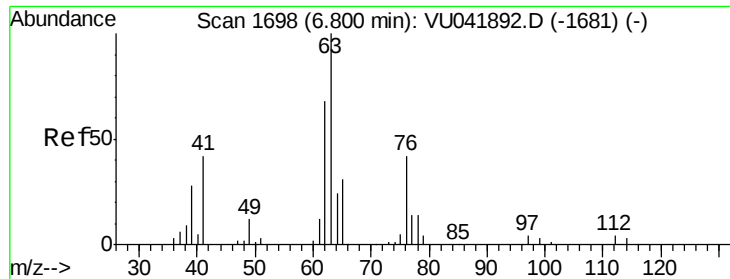


Abundance Ion 83.15 (82.85 to 83.85): VU041892.D (-1676) (-)

Ion 55.10 (54.80 to 55.80): VU041892.D (-1676) (-)

Ion 98.15 (97.85 to 98.85): VU041892.D (-1676) (-)

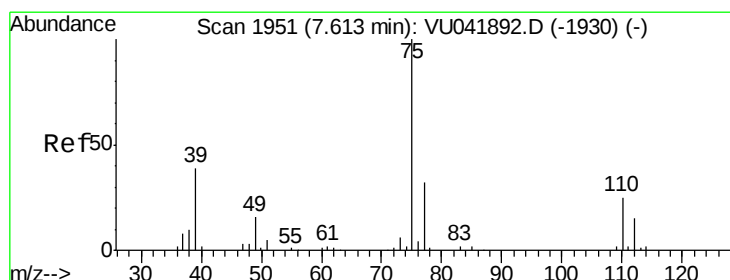
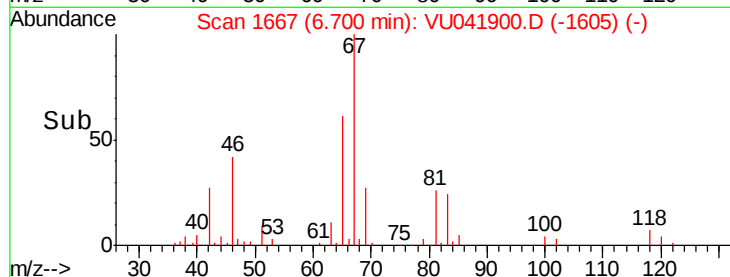
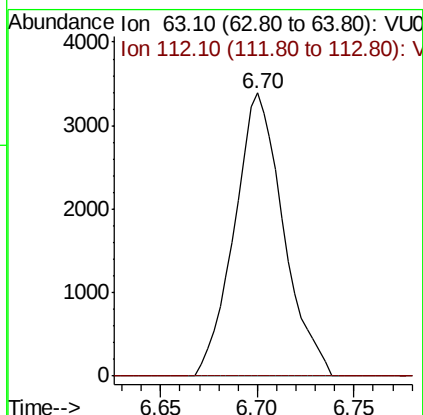
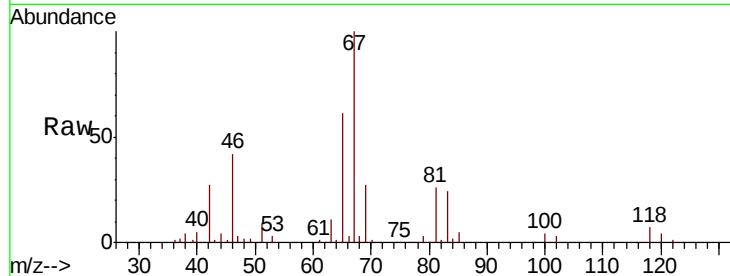




#37
 1,2-Dichloropropane
 Concen: 0.566 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041900.D
 Acq: 08 Jan 2021 13:13

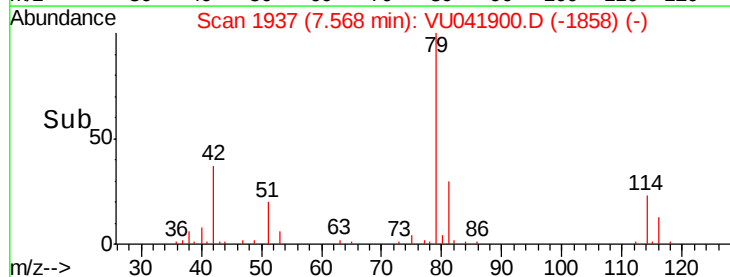
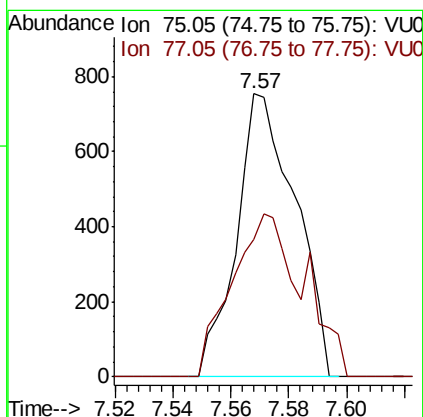
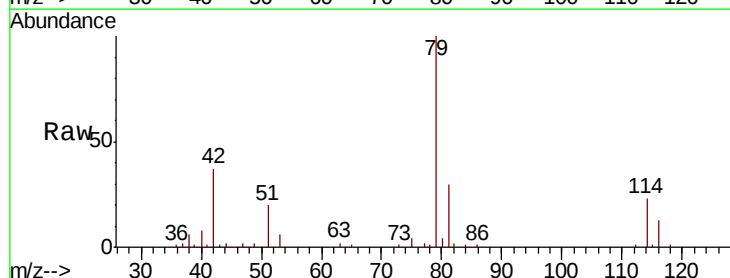
Instrument :
 MSVOA_U
 ClientSampleId :

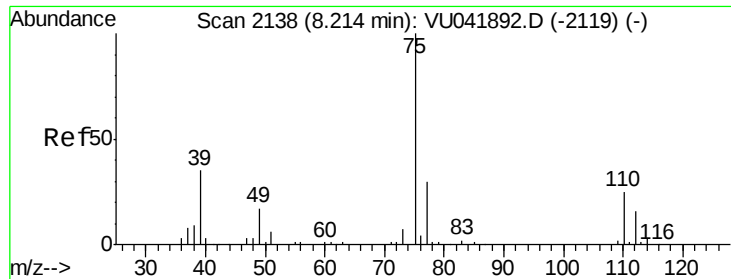
Tot Ion: 63 Resp: 5976
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.068 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.05 min
 Lab File: VU041900.D
 Acq: 08 Jan 2021 13:13

Tgt Ion: 75 Resp: 1064
 Ion Ratio Lower Upper
 75 100
 77 48.5 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.051 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041900.D

Acq: 08 Jan 2021 13:13

Instrument :

MSVOA_U

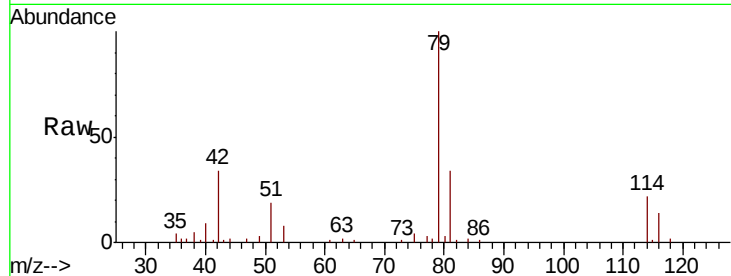
ClientSampleId :

Tot Ion: 75 Resp: 717

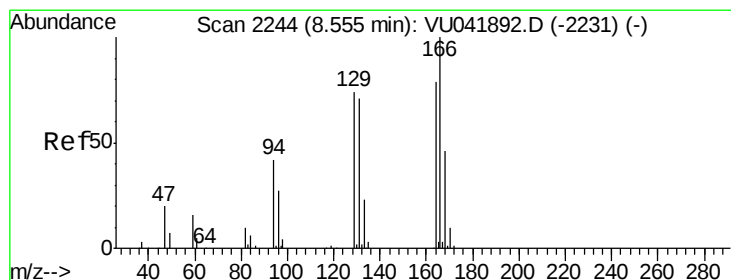
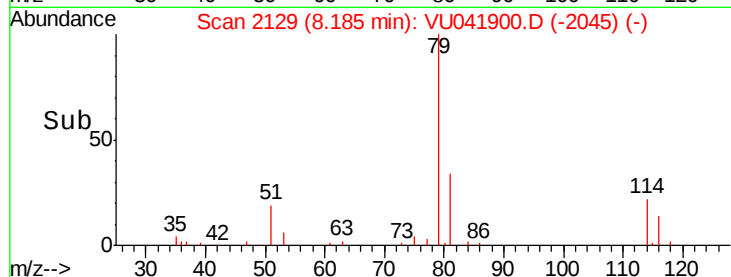
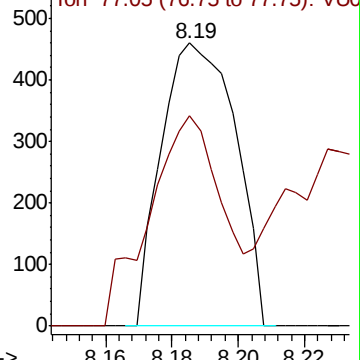
Ion Ratio Lower Upper

75 100

77 74.1 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU041892.D (-2119) (-)



#47

Tetrachloroethene

Concen: 0.429 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041900.D

Acq: 08 Jan 2021 13:13

Tgt Ion: 164 Resp: 3114

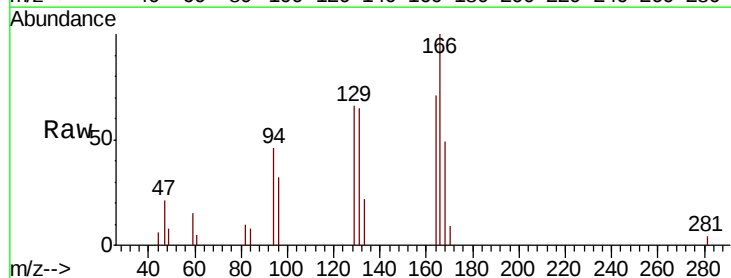
Ion Ratio Lower Upper

164 100

129 93.8 72.2 134.0

131 91.8 66.9 124.3

166 141.7 89.6 166.4



Abundance Ion 163.90 (163.60 to 164.60): VU041892.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU041892.D (-2231) (-)

Ion 130.95 (130.65 to 131.65): VU041892.D (-2231) (-)

Ion 165.90 (165.60 to 166.60): VU041892.D (-2231) (-)

Ion 167.90 (167.60 to 168.60): VU041892.D (-2231) (-)

Ion 169.90 (169.60 to 170.60): VU041892.D (-2231) (-)

Ion 171.90 (171.60 to 172.60): VU041892.D (-2231) (-)

Ion 173.90 (173.60 to 174.60): VU041892.D (-2231) (-)

Ion 175.90 (175.60 to 176.60): VU041892.D (-2231) (-)

Ion 177.90 (177.60 to 178.60): VU041892.D (-2231) (-)

Ion 179.90 (179.60 to 180.60): VU041892.D (-2231) (-)

Ion 181.90 (181.60 to 182.60): VU041892.D (-2231) (-)

Ion 183.90 (183.60 to 184.60): VU041892.D (-2231) (-)

Ion 185.90 (185.60 to 186.60): VU041892.D (-2231) (-)

Ion 187.90 (187.60 to 188.60): VU041892.D (-2231) (-)

Ion 189.90 (189.60 to 190.60): VU041892.D (-2231) (-)

Ion 191.90 (191.60 to 192.60): VU041892.D (-2231) (-)

Ion 193.90 (193.60 to 194.60): VU041892.D (-2231) (-)

Ion 195.90 (195.60 to 196.60): VU041892.D (-2231) (-)

Ion 197.90 (197.60 to 198.60): VU041892.D (-2231) (-)

Ion 199.90 (199.60 to 200.60): VU041892.D (-2231) (-)

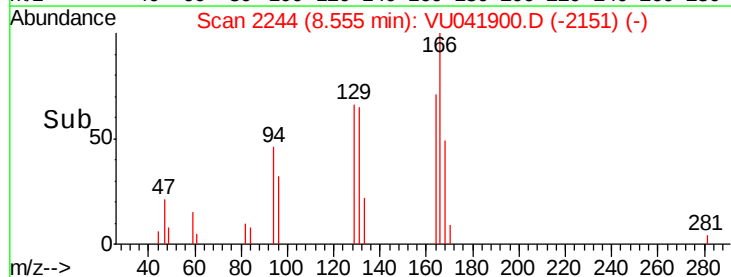
Ion 201.90 (201.60 to 202.60): VU041892.D (-2231) (-)

Ion 203.90 (203.60 to 204.60): VU041892.D (-2231) (-)

Ion 205.90 (205.60 to 206.60): VU041892.D (-2231) (-)

Ion 207.90 (207.60 to 208.60): VU041892.D (-2231) (-)

Ion 209.90 (209.60 to 210.60): VU041892.D (-2231) (-)



Abundance Ion 163.90 (163.60 to 164.60): VU041900.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU041900.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU041900.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU041900.D (-2151) (-)

Ion 167.90 (167.60 to 168.60): VU041900.D (-2151) (-)

Ion 169.90 (169.60 to 170.60): VU041900.D (-2151) (-)

Ion 171.90 (171.60 to 172.60): VU041900.D (-2151) (-)

Ion 173.90 (173.60 to 174.60): VU041900.D (-2151) (-)

Ion 175.90 (175.60 to 176.60): VU041900.D (-2151) (-)

Ion 177.90 (177.60 to 178.60): VU041900.D (-2151) (-)

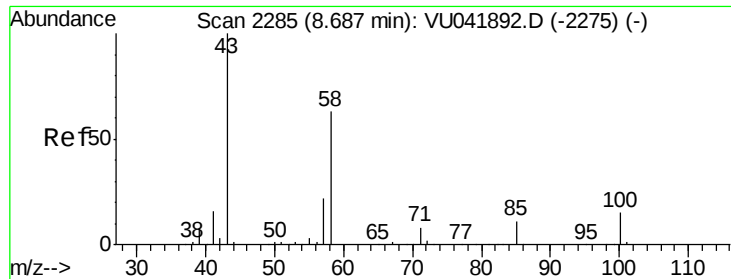
Ion 179.90 (179.60 to 180.60): VU041900.D (-2151) (-)

Ion 181.90 (181.60 to 182.60): VU041900.D (-2151) (-)

Ion 183.90 (183.60 to 184.60): VU041900.D (-2151) (-)

Ion 185.90 (185.60 to 186.60): VU041900.D (-2151) (-)

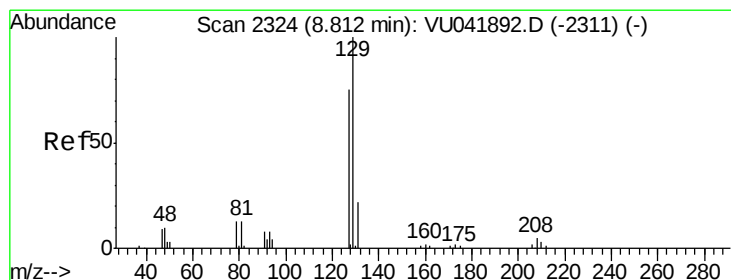
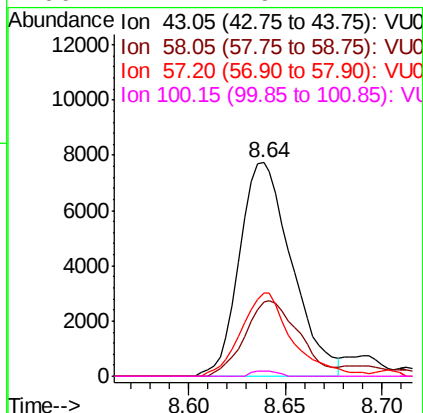
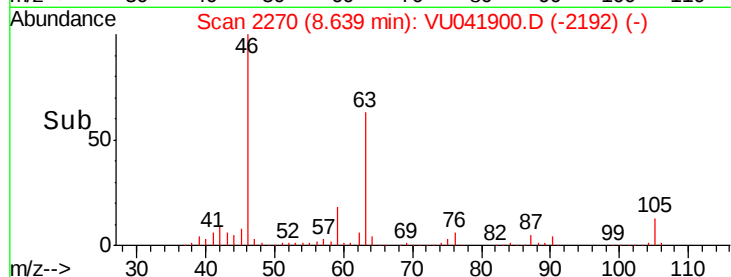
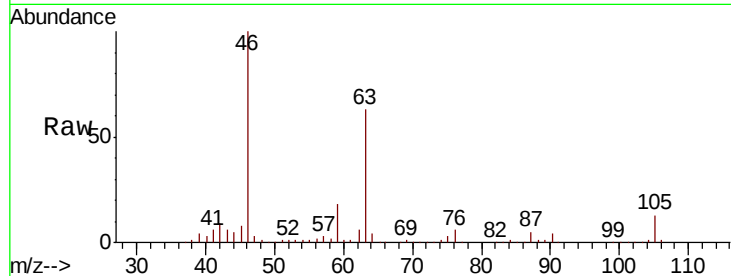
Ion 187.90 (187.60 to 188.60): VU041900.D (-2151) (-)



#48
2-Hexanone
Concen: 2.656 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041900.D
Acq: 08 Jan 2021 13:13

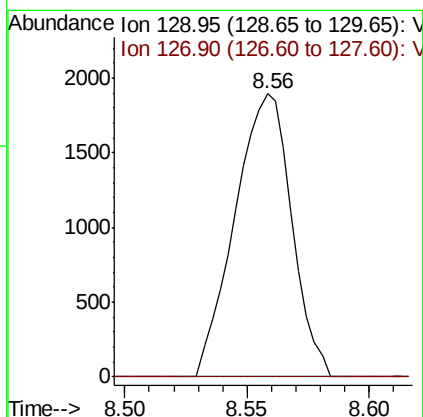
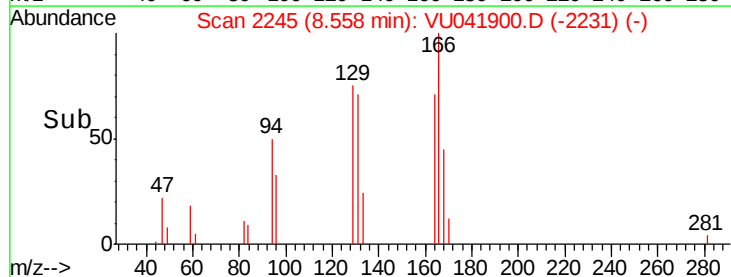
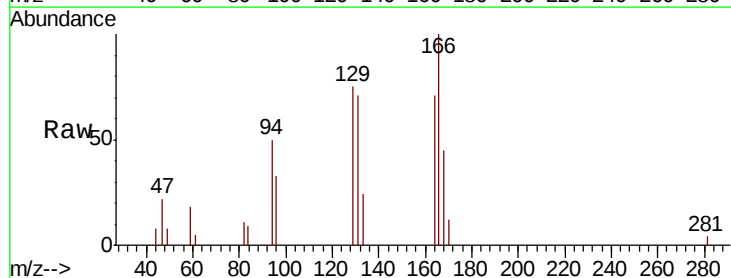
Instrument :
MSVOA_U
ClientSampled :

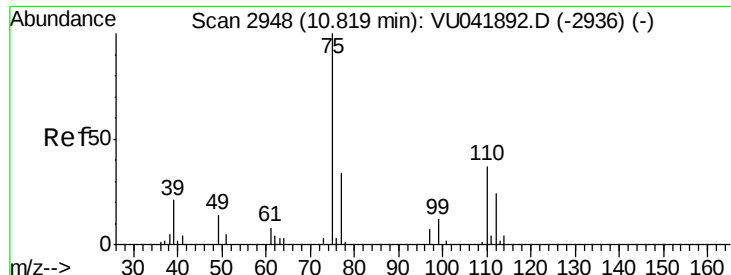
Tot Ion: 43 Resp: 14528
Ion Ratio Lower Upper
43 100
58 36.7 47.9 71.9#
57 38.0 16.5 24.7#
100 1.2 9.4 14.2#



#49
Dibromochloromethane
Concen: 0.341 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041900.D
Acq: 08 Jan 2021 13:13

Tgt Ion: 129 Resp: 3055
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#





#59

1,2,3-Trichloropropane

Concen: 0.695 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041900.D

Acq: 08 Jan 2021 13:13

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 5515

Ion Ratio Lower Upper

75 100

77 37.0 26.2 39.2

