

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041906.D
 Acq On : 08 Jan 2021 15:36
 Operator : SY/MD
 Sample : M1049-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 09 01:35:12 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	127747	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	128377	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57829	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	35940	3.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.00%
7) Chloroethane-d5	1.92	69	39705	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.58	63	56238	3.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.20%
20) 2-Butanone-d5	4.66	46	159236	55.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.02%
24) Chloroform-d	5.08	84	93021	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
26) 1,2-Dichloroethane-d4	5.72	65	48298	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.74	84	162677	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.70	67	51953	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.90	98	136606	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	8.19	79	19359	3.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.80%
46) 2-Hexanone-d5	8.64	63	123633	43.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.28%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49301	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	55606	5.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	641	0.061	ug/L	84
9) Trichlorofluoromethane	2.15	101	217562	14.805	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	582	0.066	ug/L #	22
15) Methyl Acetate	2.99	43	471	0.099	ug/L #	51
22) cis-1,2-Dichloroethene	4.68	96	24200	2.443	ug/L	88
25) Chloroform	5.10	83	3445	0.204	ug/L #	75
31) Carbon tetrachloride	5.54	117	4638	0.364	ug/L	89
34) Trichloroethene	6.55	95	573511	55.589	ug/L	93
35) Methylcyclohexane	6.70	83	12596	0.755	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5140	0.489	ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1067	0.069	ug/L #	68
44) trans-1,3-Dichloropropene	8.19	75	716	0.051	ug/L #	23
45) 1,1,2-Trichloroethane	8.40	97	1243	0.160	ug/L #	87
47) Tetrachloroethene	8.56	164	223322	30.921	ug/L	97
48) 2-Hexanone	8.64	43	13078	2.405	ug/L #	71
49) Dibromochloromethane	8.56	129	211071	23.661	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6135	0.778	ug/L	96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 09 01:31:59 2021
Response via : Initial Calibration

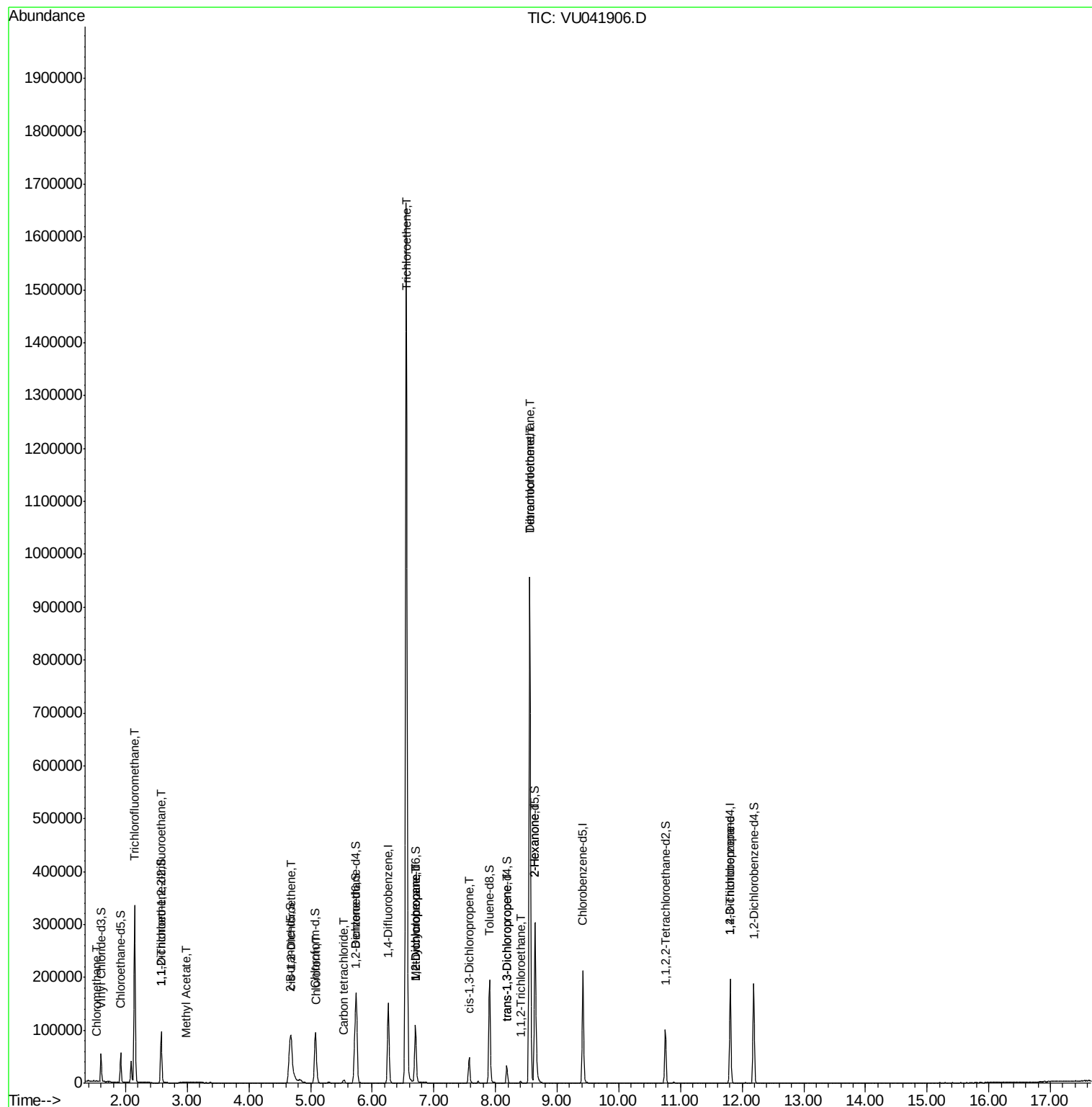
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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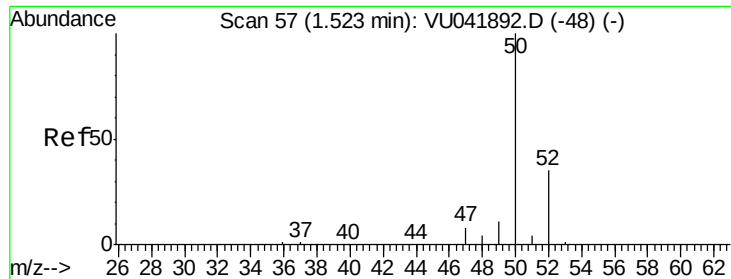
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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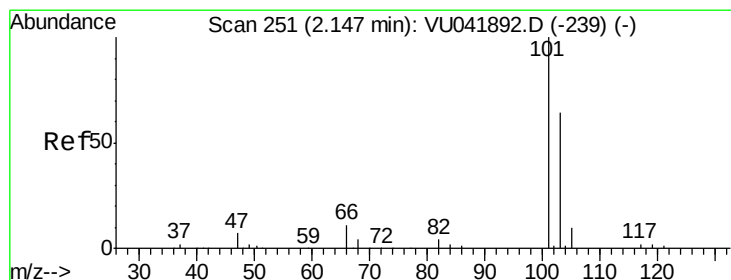
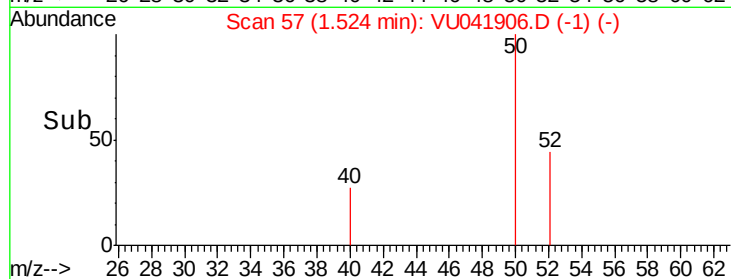
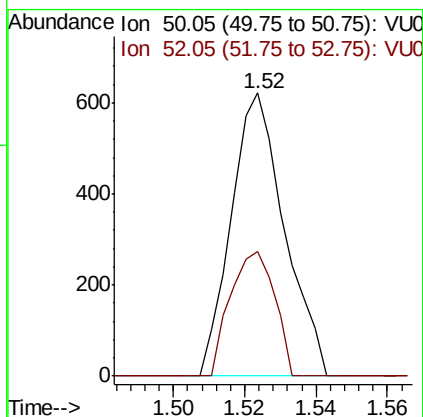
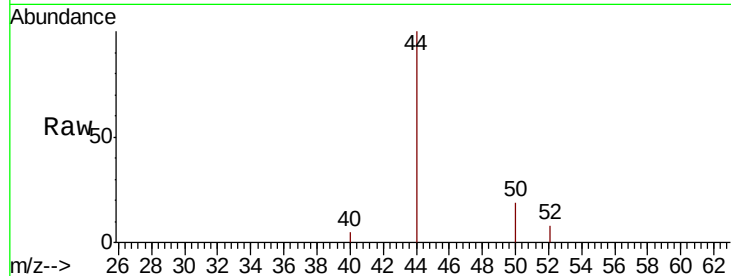




#3
Chloromethane
Concen: 0.061 ug/L
RT: 1.52 min Scan# 57
Delta R.T. 0.00 min
Lab File: VU041906.D
Acq: 08 Jan 2021 15:36

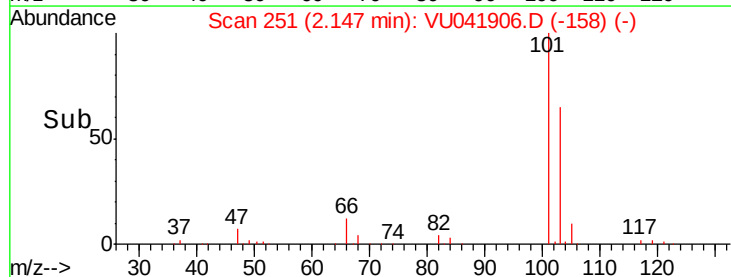
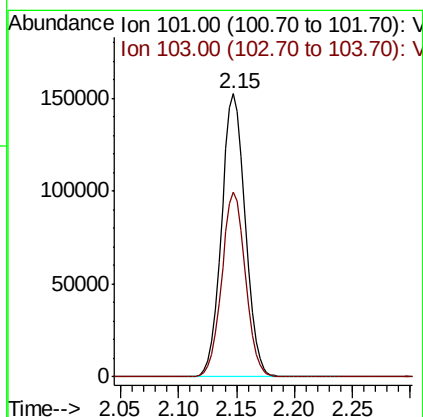
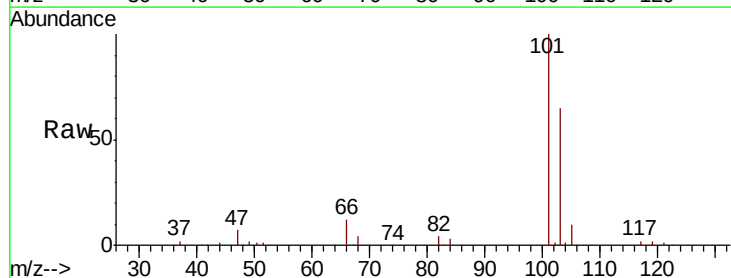
Instrument :
MSVOA_U
ClientSampleId :

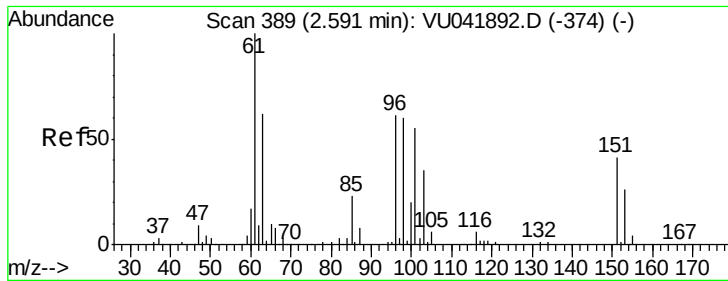
Tot Ion: 50 Resp: 641
Ion Ratio Lower Upper
50 100
52 43.9 24.1 44.8



#9
Trichlorofluoromethane
Concen: 14.805 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041906.D
Acq: 08 Jan 2021 15:36

Tgt Ion: 101 Resp: 217562
Ion Ratio Lower Upper
101 100
103 64.8 51.1 76.7





#10

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

Concen: 0.066 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041906.D

Acq: 08 Jan 2021 15:36

Instrument :

MSVOA_U

ClientSampled :

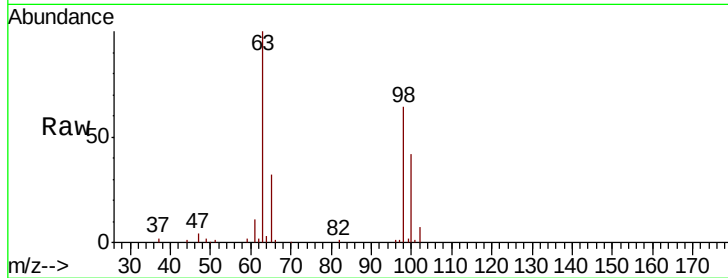
Tot Ion:101 Resp: 582

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

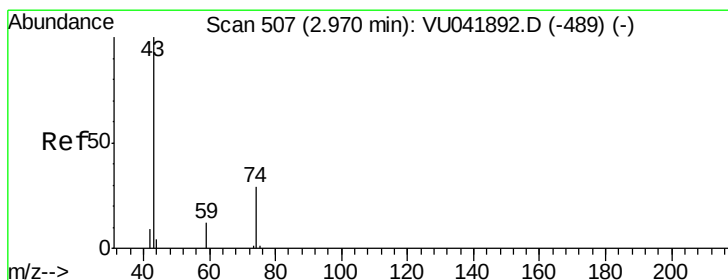
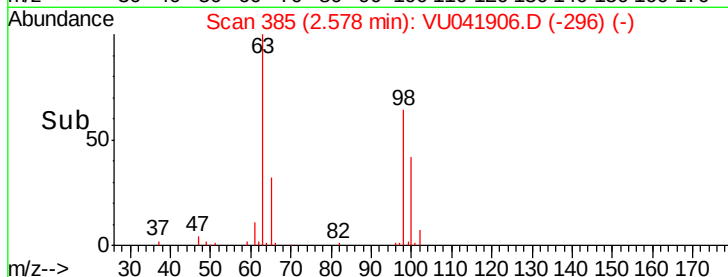
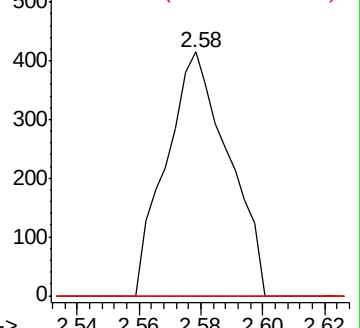
151 0.0 56.2 84.4#



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



#15

Methyl Acetate

Concen: 0.099 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.02 min

Lab File: VU041906.D

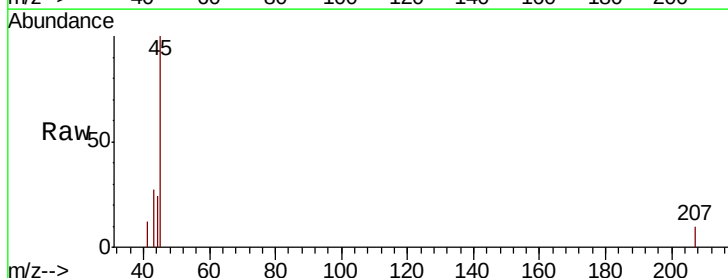
Acq: 08 Jan 2021 15:36

Tgt Ion: 43 Resp: 471

Ion Ratio Lower Upper

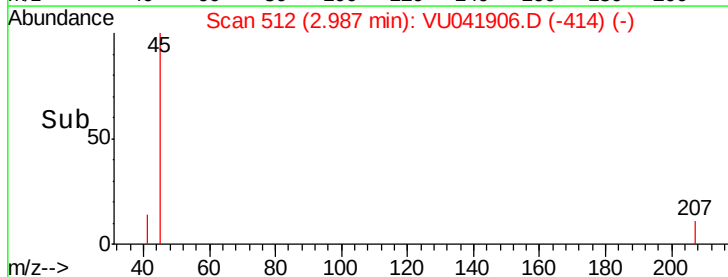
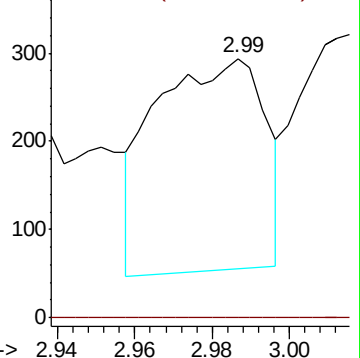
43 100

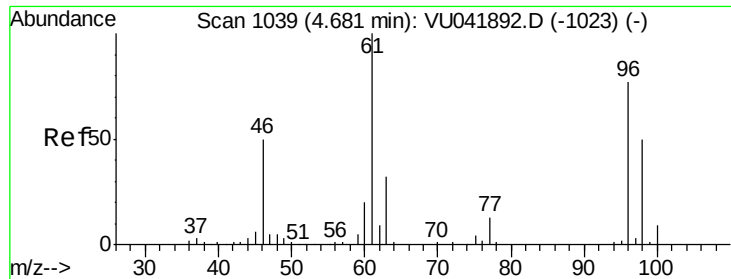
74 0.0 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

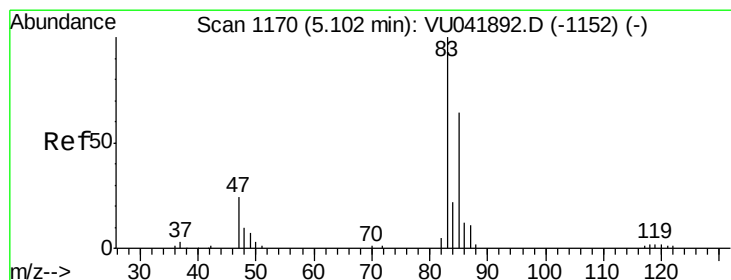
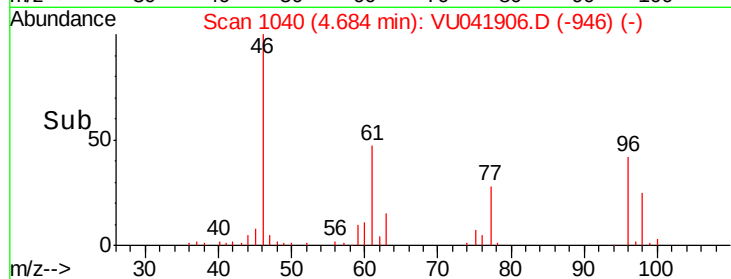
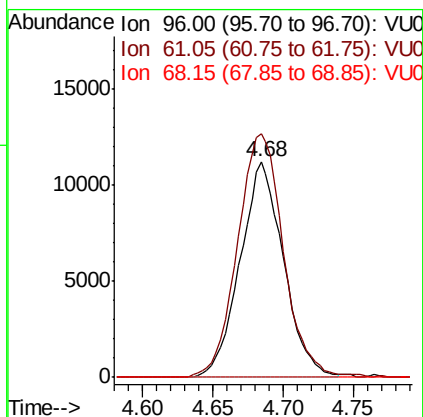
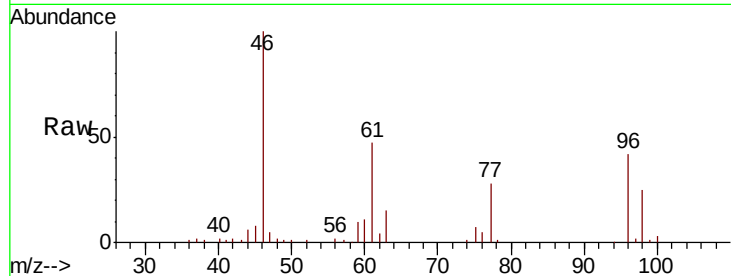




#22
 cis-1,2-Dichloroethene
 Concen: 2.443 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU041906.D
 Acq: 08 Jan 2021 15:36

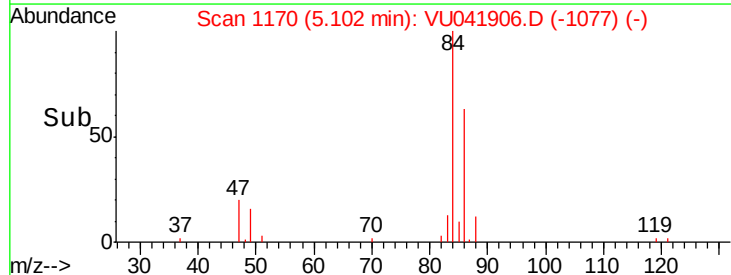
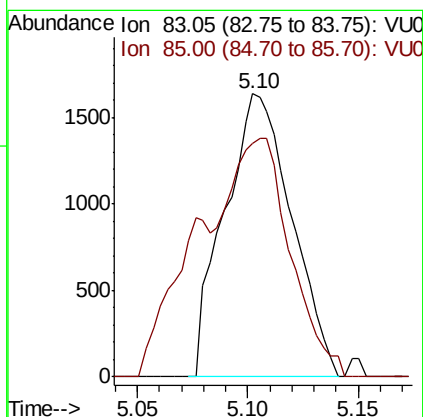
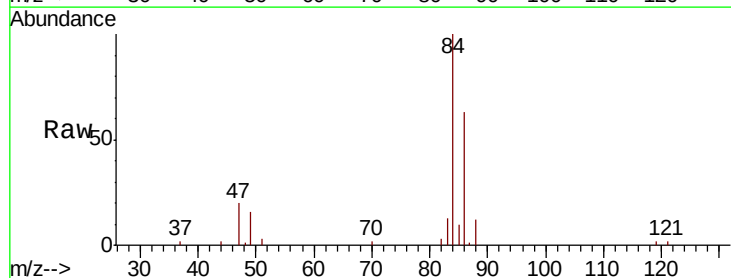
Instrument :
 MSVOA_U
 ClientSampleId :

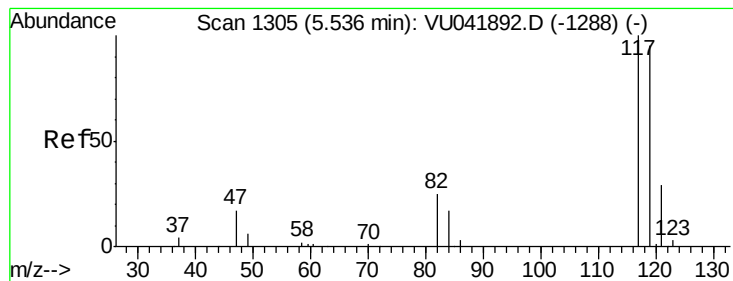
Tot Ion: 96 Resp: 24200
 Ion Ratio Lower Upper
 96 100
 61 112.7 88.8 165.0
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.204 ug/L
 RT: 5.10 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VU041906.D
 Acq: 08 Jan 2021 15:36

Tgt Ion: 83 Resp: 3445
 Ion Ratio Lower Upper
 83 100
 85 82.3 44.2 82.0#





#31

Carbon tetrachloride

Concen: 0.364 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU041906.D

Acq: 08 Jan 2021 15:36

Instrument :

MSVOA_U

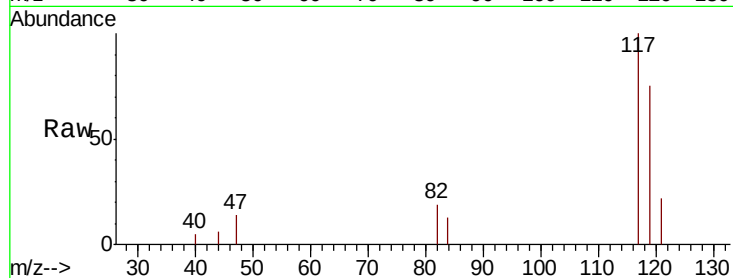
ClientSampled :

Tot Ion:117 Resp: 4638

Ion Ratio Lower Upper

117 100

119 84.9 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

2500

2000

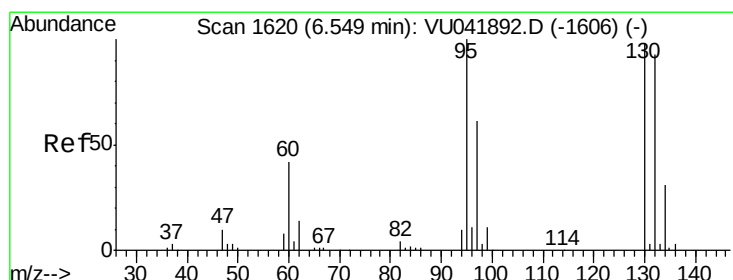
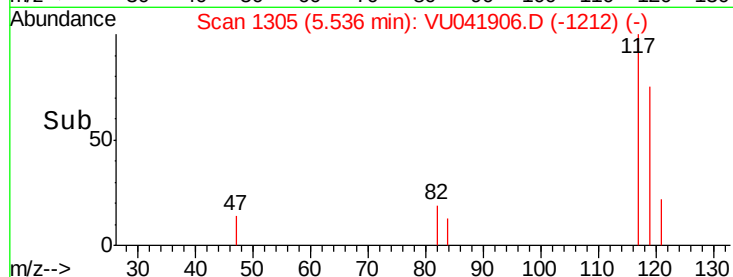
1500

1000

500

0

Time-->



#34

Trichloroethene

Concen: 55.589 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041906.D

Acq: 08 Jan 2021 15:36

Tgt Ion: 95 Resp: 573511

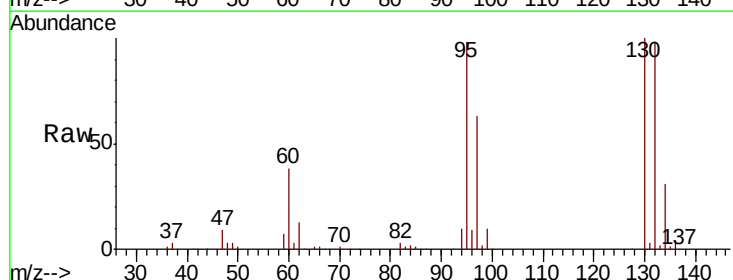
Ion Ratio Lower Upper

95 100

97 64.3 43.9 81.5

132 100.3 63.1 117.3

130 102.5 67.4 125.2



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

500000

400000

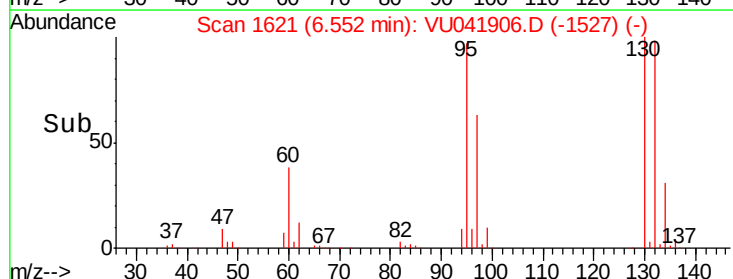
300000

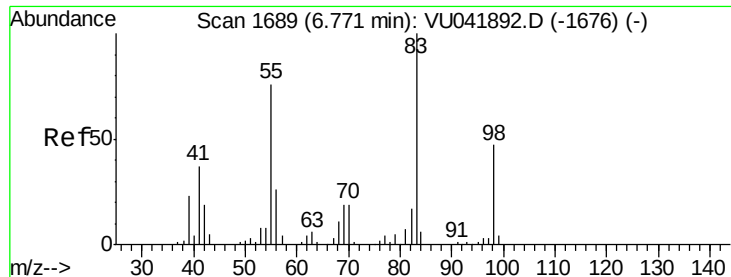
200000

100000

0

Time-->

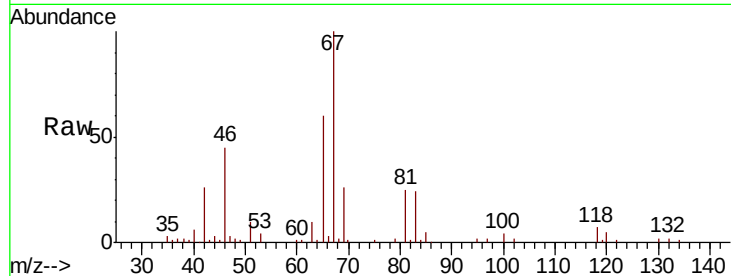




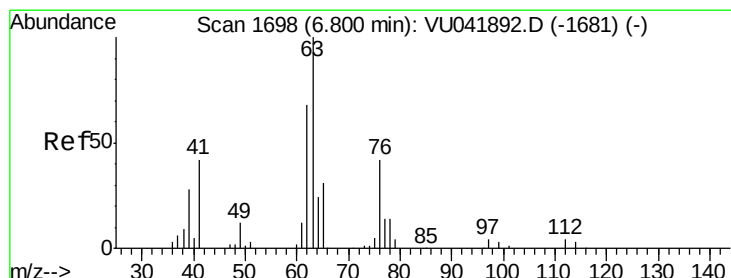
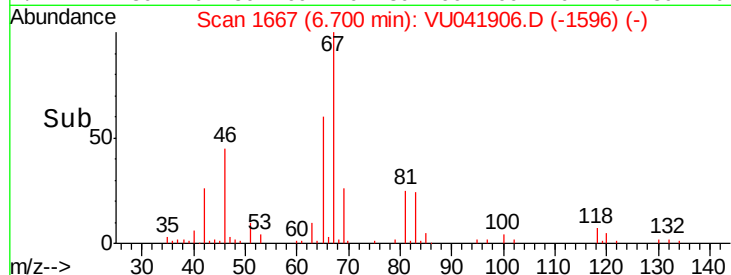
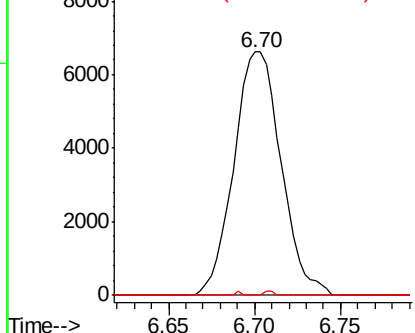
#35
Methylvlcyclohexane
Concen: 0.755 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041906.D
Acq: 08 Jan 2021 15:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	83.15	Resp	12596
Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.2	91.8#
98	0.0	36.6	54.8#

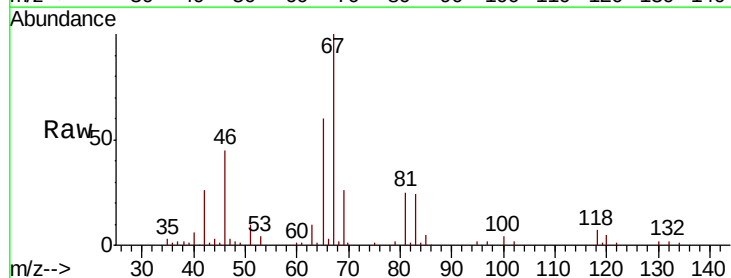


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

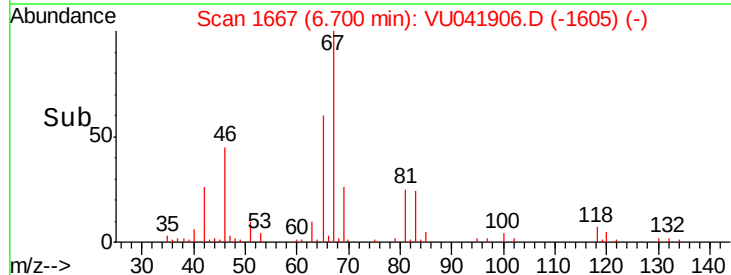
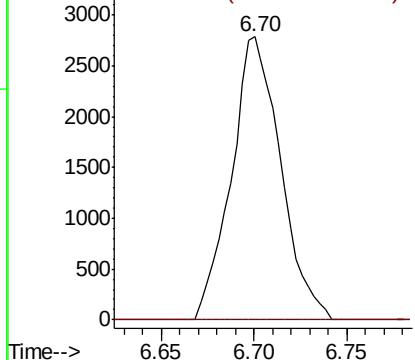


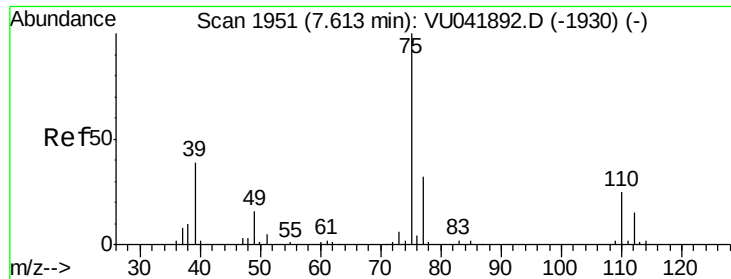
#37
1,2-Dichloropropane
Concen: 0.489 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041906.D
Acq: 08 Jan 2021 15:36

Tgt Ion	63	Resp	5140
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.1	4.7#



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

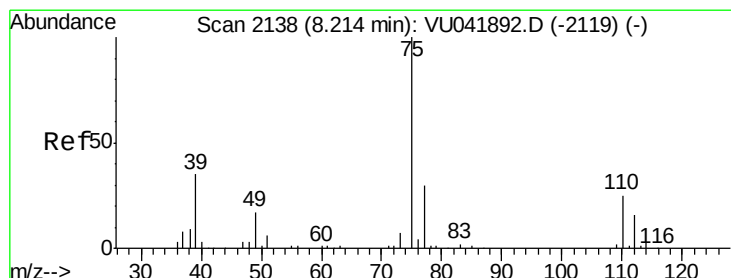
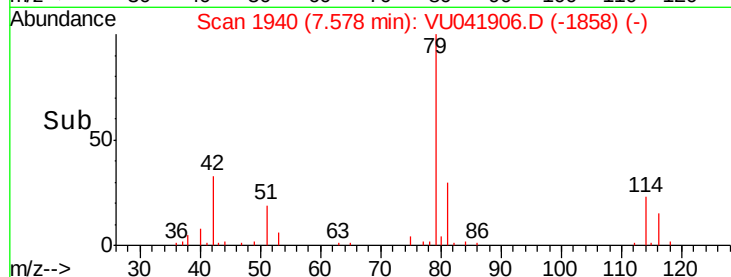
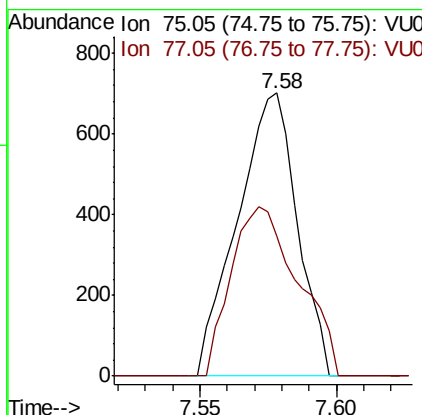
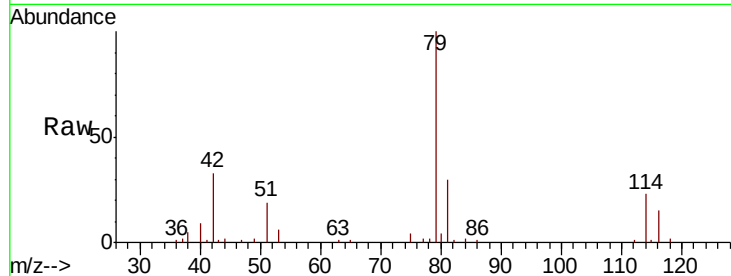




#39
 cis-1,3-Dichloropropene
 Concen: 0.069 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041906.D
 Acq: 08 Jan 2021 15:36

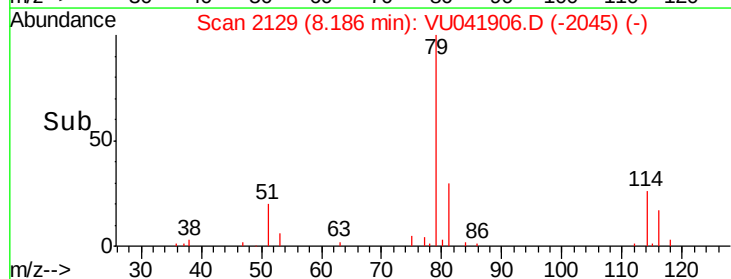
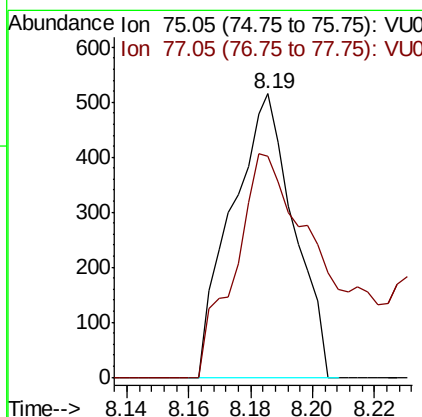
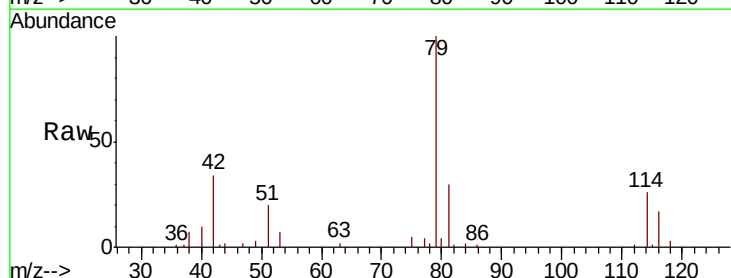
Instrument :
 MSVOA_U
 ClientSampleId :

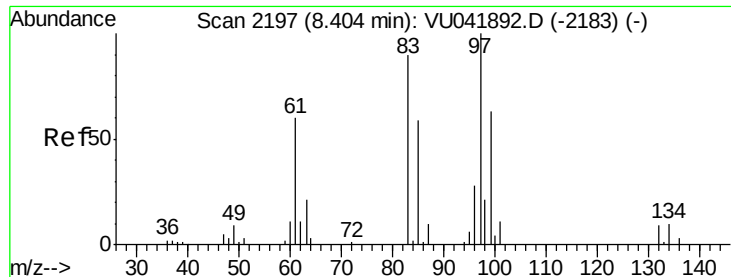
Tot Ion: 75 Resp: 1067
 Ion Ratio Lower Upper
 75 100
 77 49.6 22.3 41.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.051 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU041906.D
 Acq: 08 Jan 2021 15:36

Tgt Ion: 75 Resp: 716
 Ion Ratio Lower Upper
 75 100
 77 78.1 23.8 44.2#

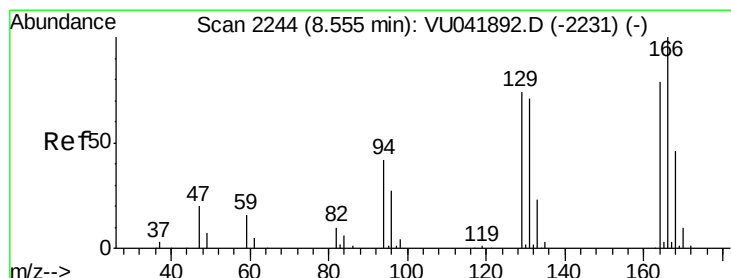
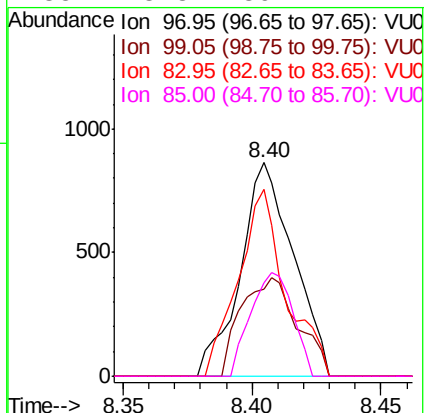
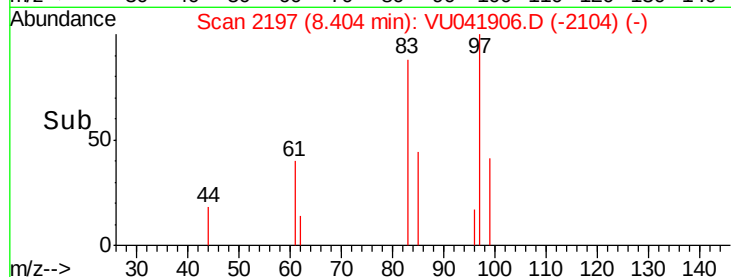
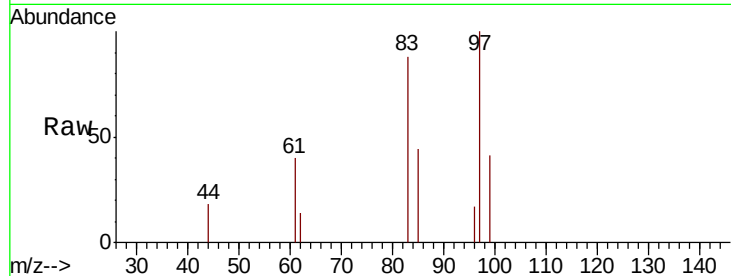




#45
1,1,2-Trichloroethane
Concen: 0.160 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041906.D
Acq: 08 Jan 2021 15:36

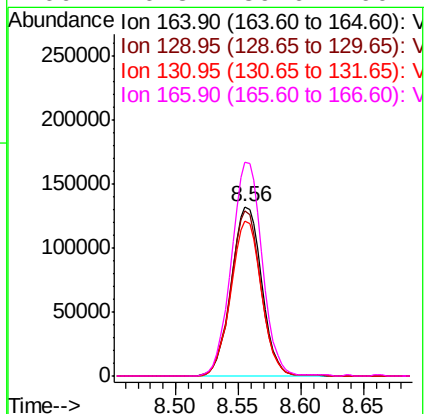
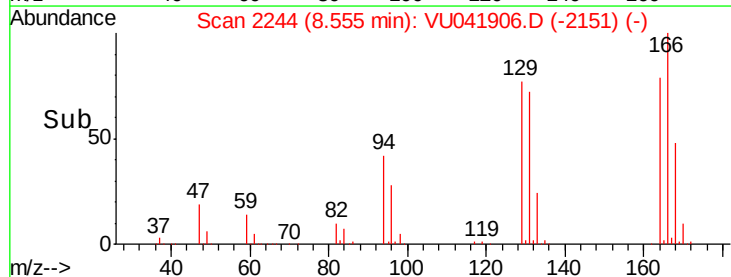
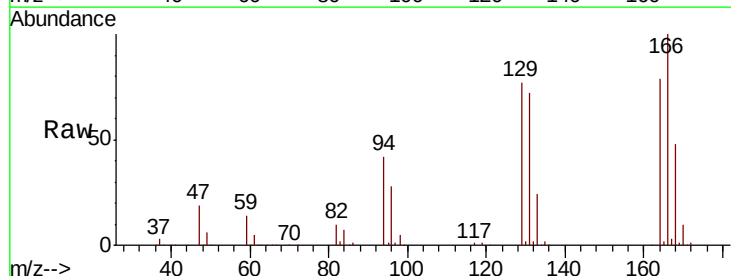
Instrument :
MSVOA_U
ClientSampled :

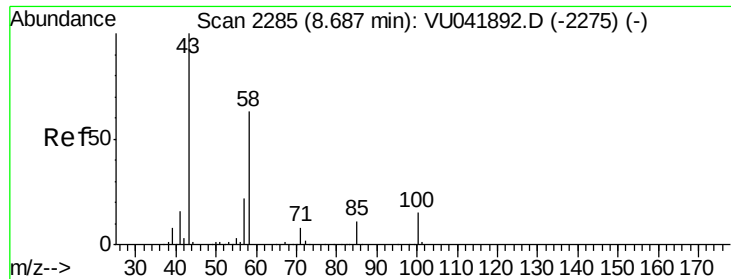
Tot Ion: 97 Resp: 1243
Ion Ratio Lower Upper
97 100
99 41.0 42.1 78.3#
83 87.6 62.6 116.2
85 43.8 39.1 72.7



#47
Tetrachloroethene
Concen: 30.921 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU041906.D
Acq: 08 Jan 2021 15:36

Tgt Ion: 164 Resp: 223322
Ion Ratio Lower Upper
164 100
129 97.9 72.2 134.0
131 91.4 66.9 124.3
166 126.3 89.6 166.4

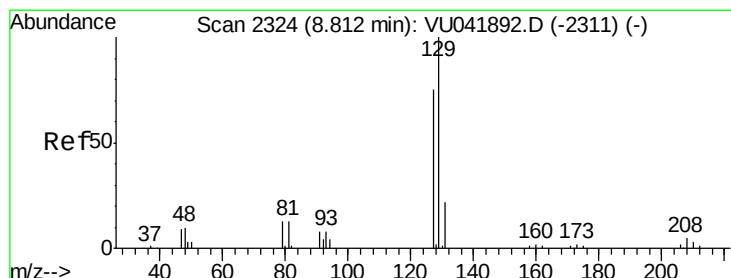
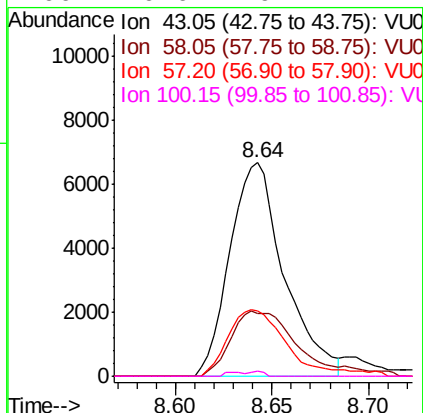
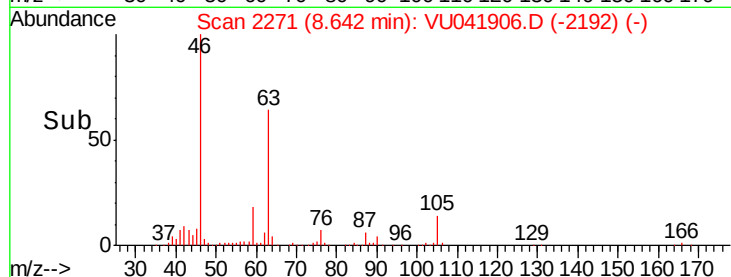
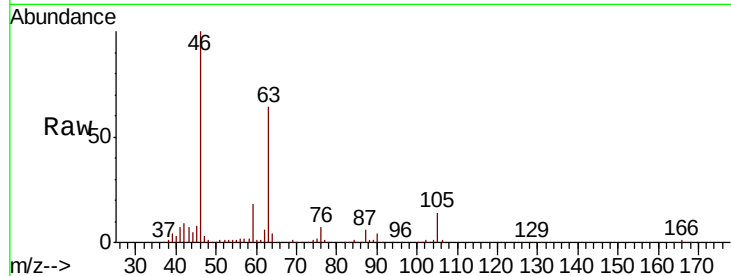




#48
2-Hexanone
Concen: 2.405 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.04 min
Lab File: VU041906.D
Acq: 08 Jan 2021 15:36

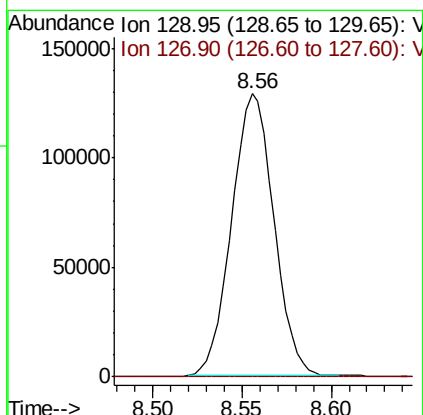
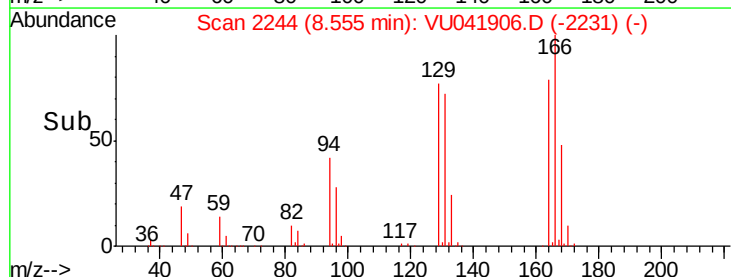
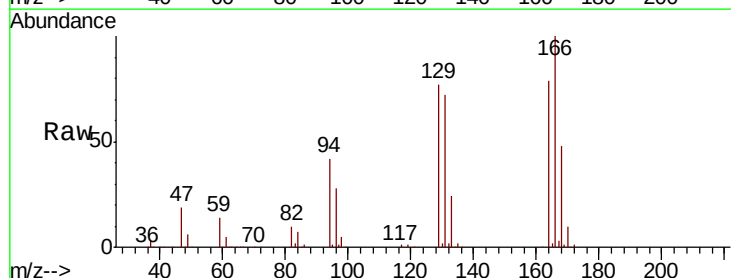
Instrument :
MSVOA_U
ClientSampleId :

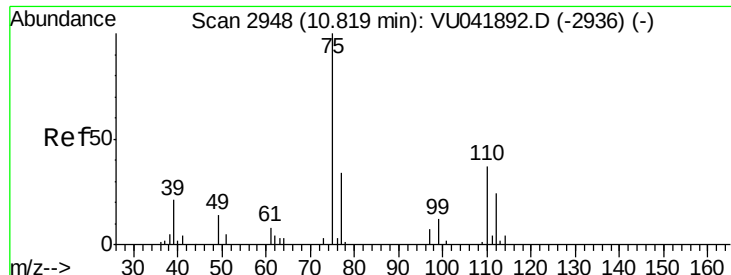
Tot Ion: 43 Resp: 13078
Ion Ratio Lower Upper
43 100
58 38.0 47.9 71.9#
57 34.0 16.5 24.7#
100 0.6 9.4 14.2#



#49
Dibromochloromethane
Concen: 23.661 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041906.D
Acq: 08 Jan 2021 15:36

Tgt Ion: 129 Resp: 211071
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#





#59

1,2,3-Trichloropropane

Concen: 0.778 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041906.D

Acq: 08 Jan 2021 15:36

Instrument :

MSVOA_U

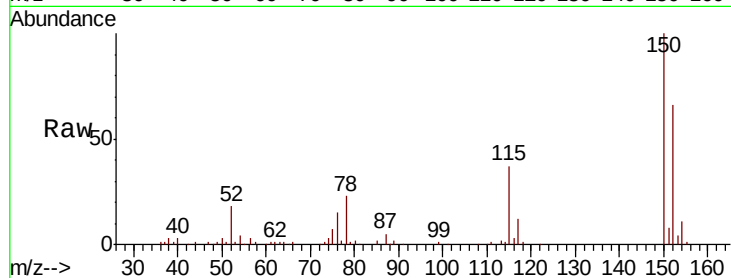
ClientSampleId :

Tot Ion: 75 Resp: 6135

Ion Ratio Lower Upper

75 100

77 30.3 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

