

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041904.D
 Acq On : 08 Jan 2021 14:48
 Operator : SY/MD
 Sample : M1049-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 09 01:34:50 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	129822	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	128529	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57443	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	36888	3.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.80%
7) Chloroethane-d5	1.92	69	40002	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.58	63	57370	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	4.65	46	149308	51.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.42%
24) Chloroform-d	5.08	84	94451	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.60%
26) 1,2-Dichloroethane-d4	5.72	65	50598	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.74	84	171684	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.70	67	53414	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.91	98	139783	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
43) trans-1,3-Dichloropropene-	8.18	79	20149	3.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.60%
46) 2-Hexanone-d5	8.64	63	127964	45.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.22%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	51139	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	56456	5.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.60%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	1155	0.108 ug/L	91
8) Chloroethane	2.11	64	525	0.066 ug/L	92
9) Trichlorofluoromethane	2.15	101	89462	5.991 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	481	0.054 ug/L #	22
12) 1,1-Dichloroethene	2.58	96	643	0.073 ug/L #	1
22) cis-1,2-Dichloroethene	4.68	96	20036	1.990 ug/L	97
25) Chloroform	5.11	83	3273	0.191 ug/L	94
31) Carbon tetrachloride	5.54	117	1245	0.098 ug/L	84
34) Trichloroethene	6.55	95	344396	33.342 ug/L	94
35) Methylcyclohexane	6.70	83	13052	0.782 ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5572	0.530 ug/L #	88
44) trans-1,3-Dichloropropene	8.18	75	724	0.052 ug/L #	66
45) 1,1,2-Trichloroethane	8.41	97	655	0.084 ug/L #	77
47) Tetrachloroethene	8.56	164	225098	31.130 ug/L	97
48) 2-Hexanone	8.64	43	14669	2.694 ug/L #	69
49) Dibromochloromethane	8.56	129	209354	23.441 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5739	0.727 ug/L	99

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

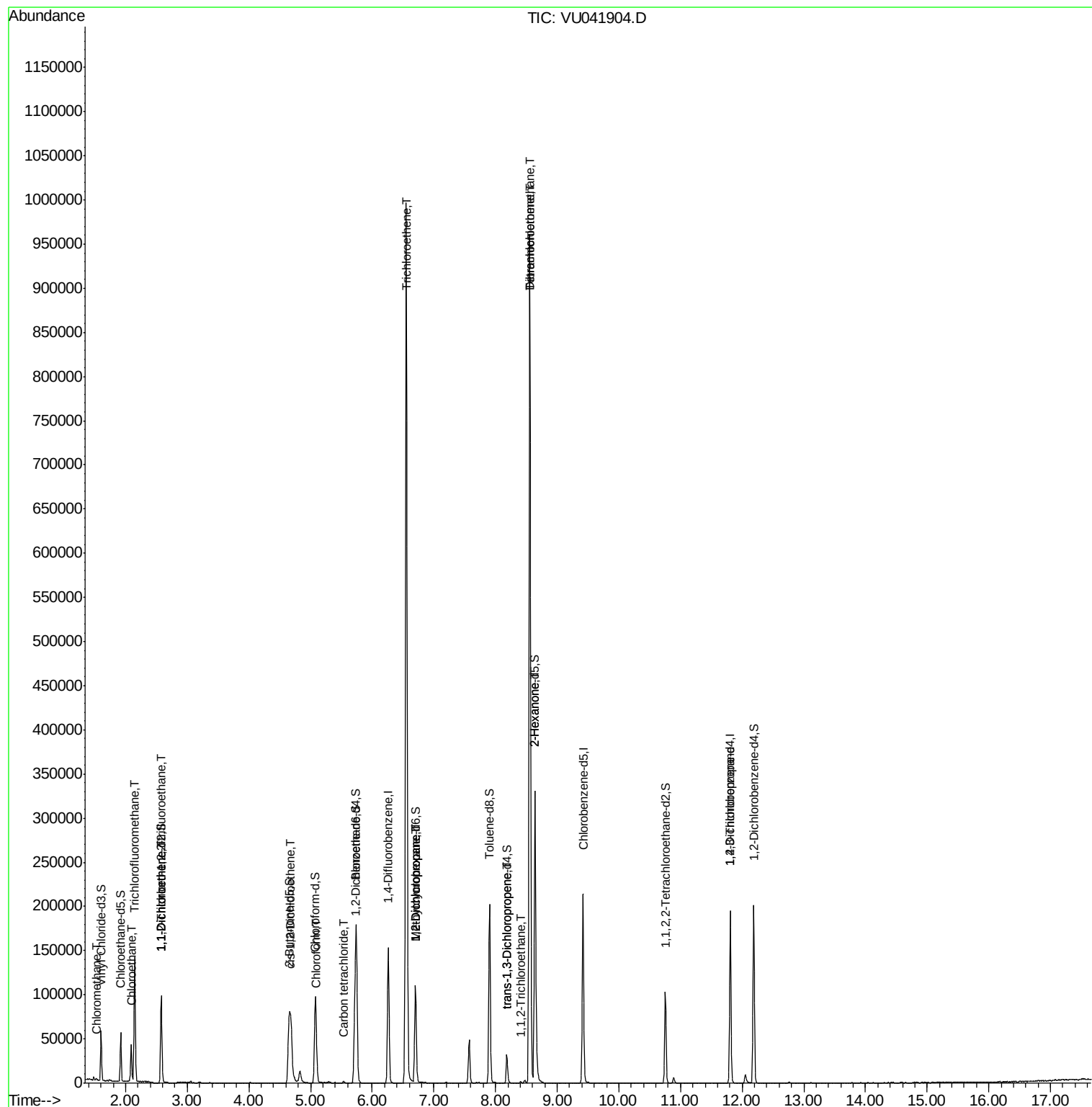
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

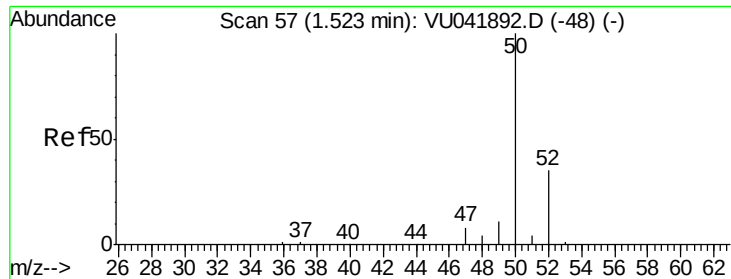
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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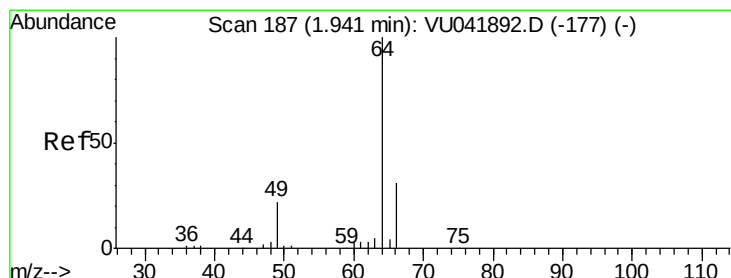
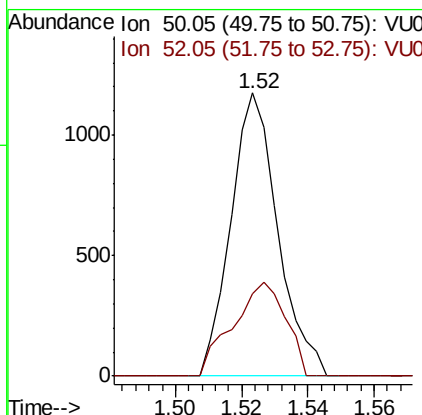
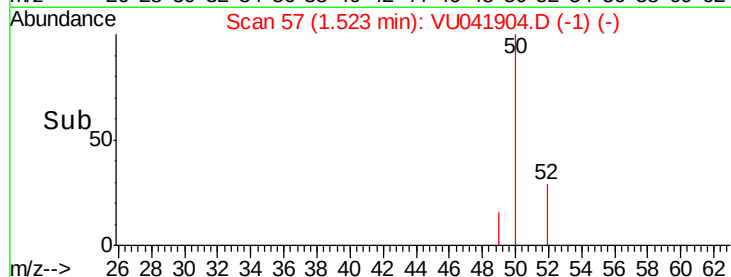
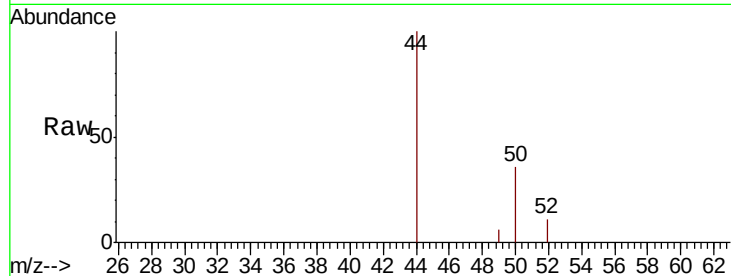




#3
 Chloromethane
 Concen: 0.108 ug/L
 RT: 1.52 min Scan# 57
 Delta R.T. 0.00 min
 Lab File: VU041904.D
 Acq: 08 Jan 2021 14:48

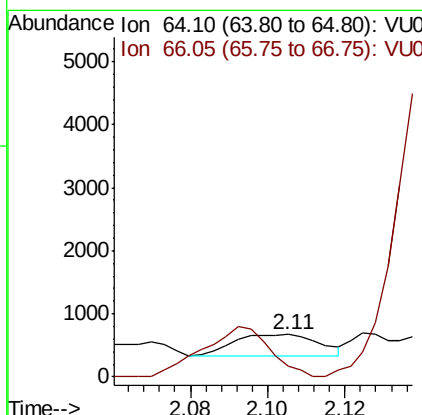
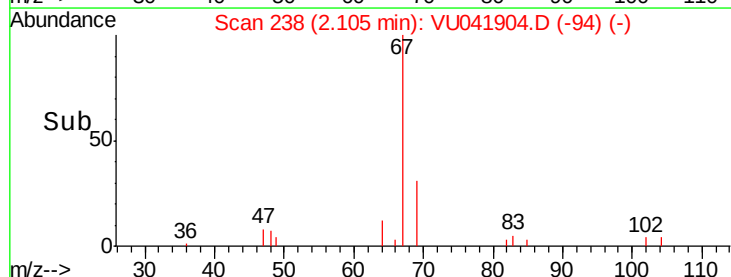
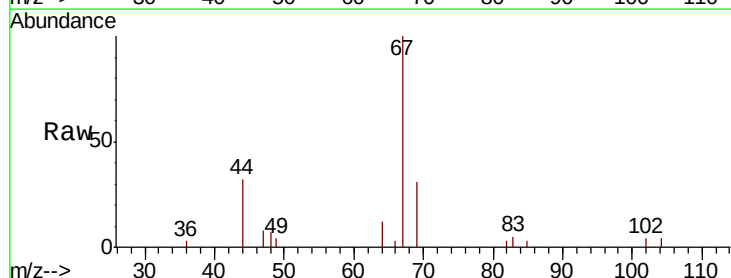
Instrument :
 MSVOA_U
 ClientSampleId :

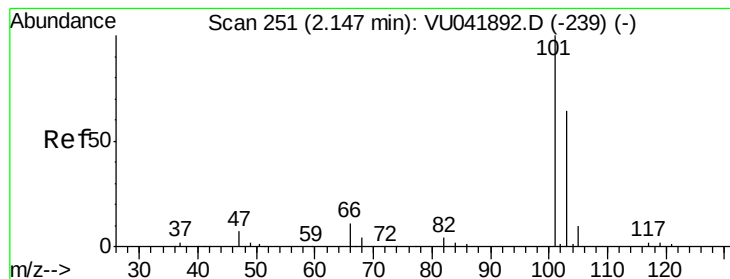
Tot Ion: 50 Resp: 1155
 Ion Ratio Lower Upper
 50 100
 52 29.1 24.1 44.8



#8
 Chloroethane
 Concen: 0.066 ug/L
 RT: 2.11 min Scan# 238
 Delta R.T. 0.16 min
 Lab File: VU041904.D
 Acq: 08 Jan 2021 14:48

Tgt Ion: 64 Resp: 525
 Ion Ratio Lower Upper
 64 100
 66 26.5 21.6 40.0



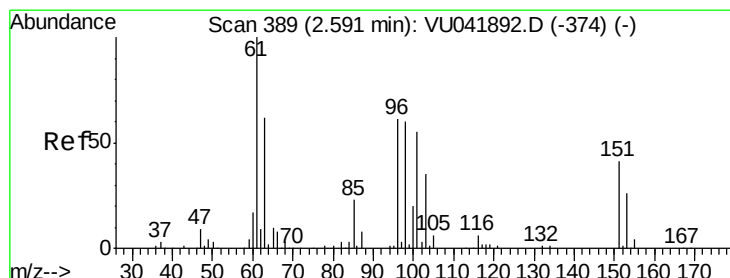
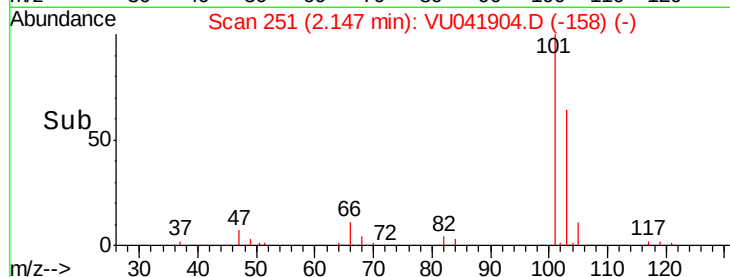
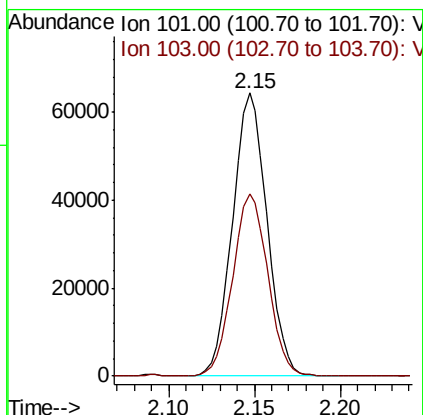
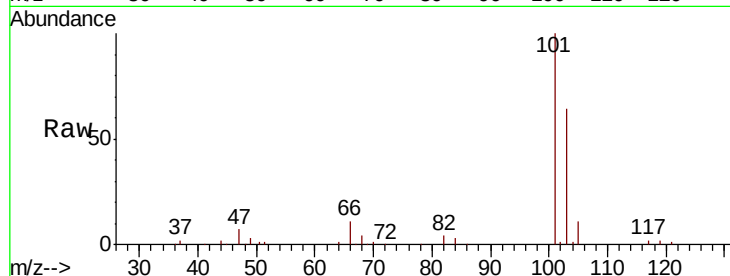


#9

Trichlorofluoromethane
Concen: 5.991 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041904.D
Acq: 08 Jan 2021 14:48

Instrument :
MSVOA_U
ClientSampleId :

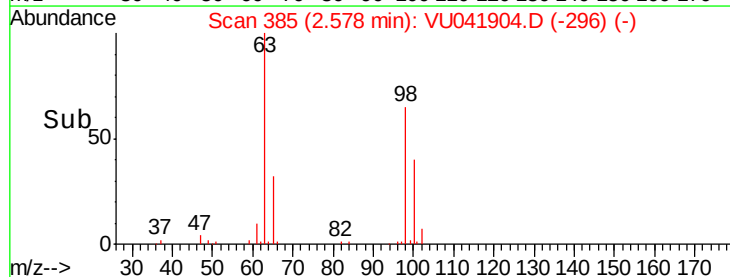
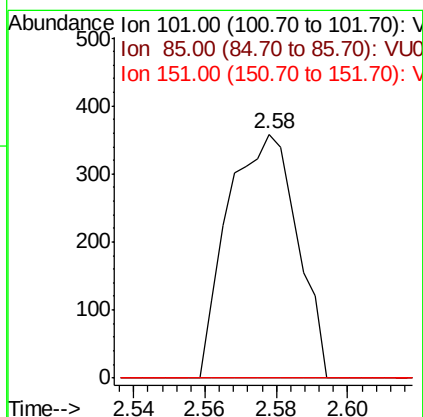
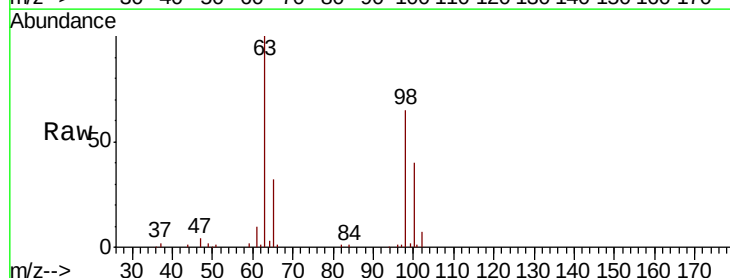
Tot Ion:101 Resp: 89462
Ion Ratio Lower Upper
101 100
103 65.9 51.1 76.7

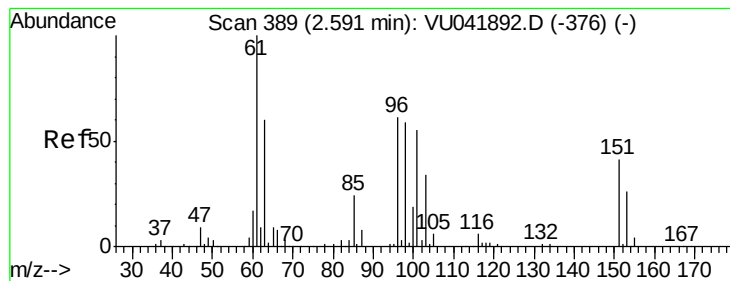


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.054 ug/L
RT: 2.58 min Scan# 385
Delta R.T. -0.01 min
Lab File: VU041904.D
Acq: 08 Jan 2021 14:48

Tgt Ion:101 Resp: 481
Ion Ratio Lower Upper
101 100
85 0.0 33.6 50.4#
151 0.0 56.2 84.4#





#12

1,1-Dichloroethene

Concen: 0.073 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041904.D

Acq: 08 Jan 2021 14:48

Instrument :
MSVOA_U
ClientSampled :

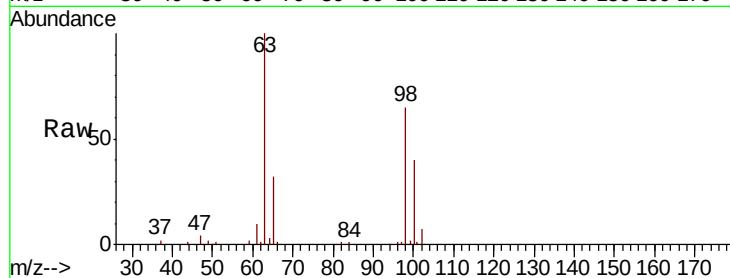
Tot Ion: 96 Resp: 643

Ion Ratio Lower Upper

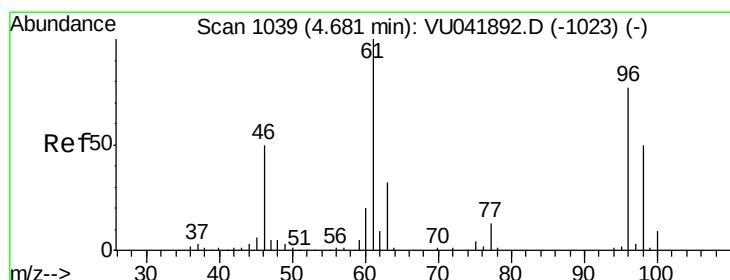
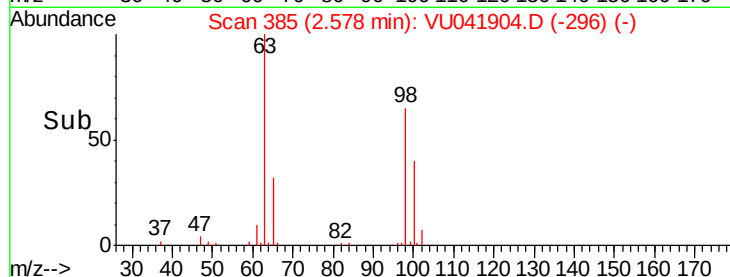
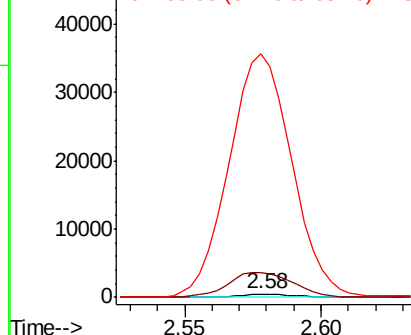
96 100

61 801.3 123.8 230.0#

63 7883.2 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



#22

cis-1,2-Dichloroethene

Concen: 1.990 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041904.D

Acq: 08 Jan 2021 14:48

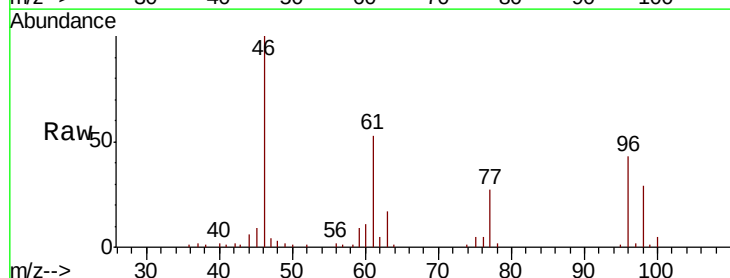
Tgt Ion: 96 Resp: 20036

Ion Ratio Lower Upper

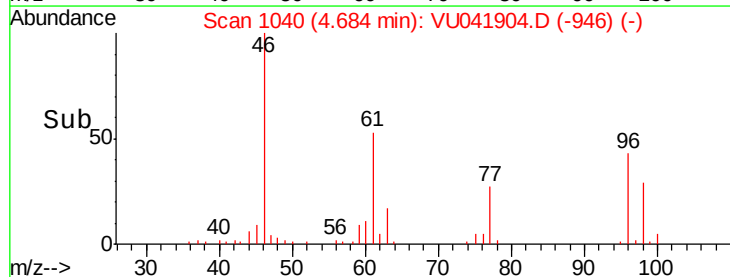
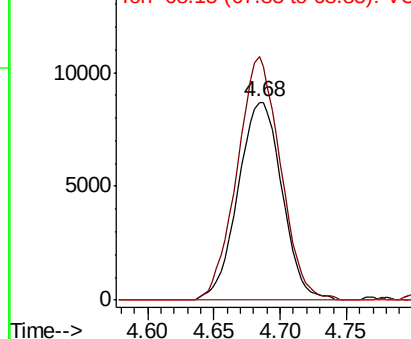
96 100

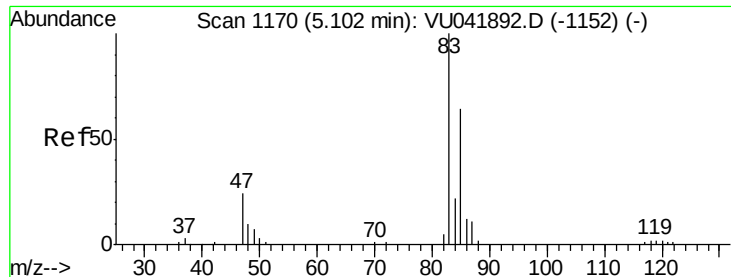
61 123.1 88.8 165.0

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

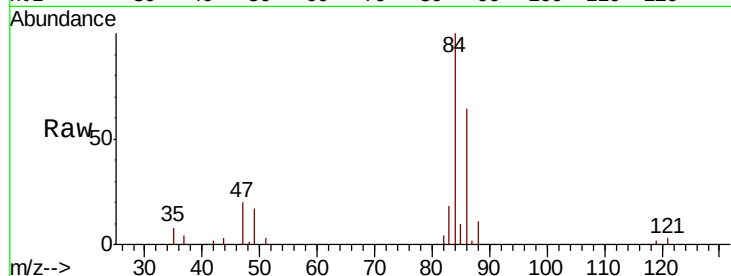




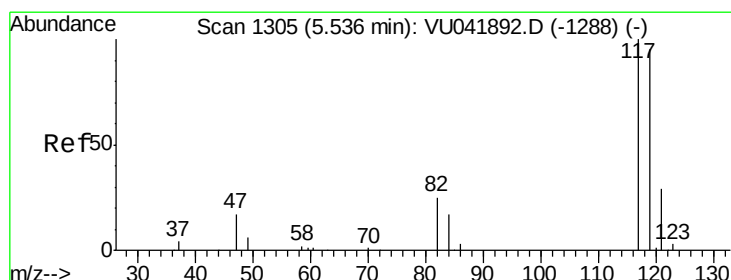
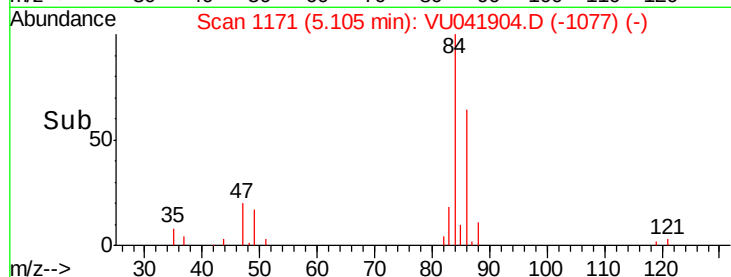
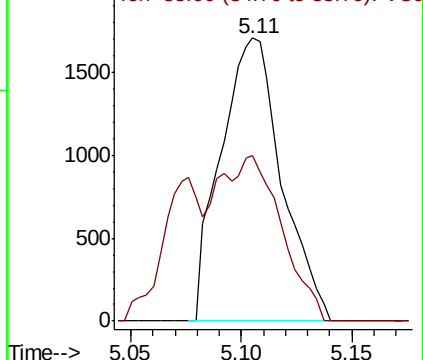
#25
Chloroform
Concen: 0.191 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041904.D
Acq: 08 Jan 2021 14:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 3273
Ion Ratio Lower Upper
83 100
85 58.4 44.2 82.0

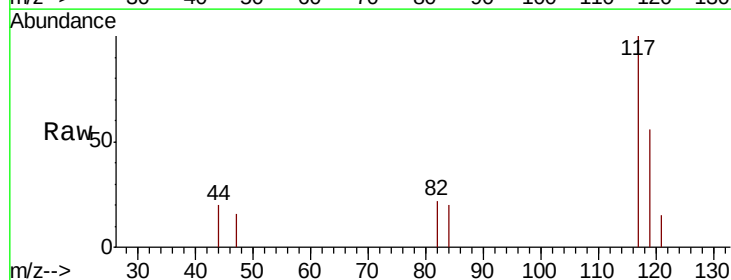


Abundance Ion 83.05 (82.75 to 83.75): VU041892.D (-1152) (-)
Ion 85.00 (84.70 to 85.70): VU041892.D (-1152) (-)

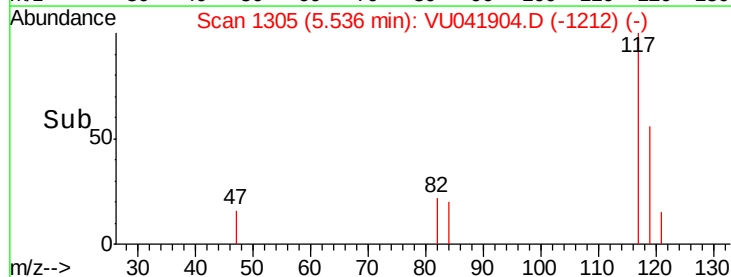
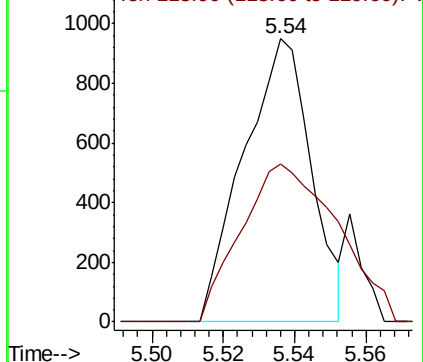


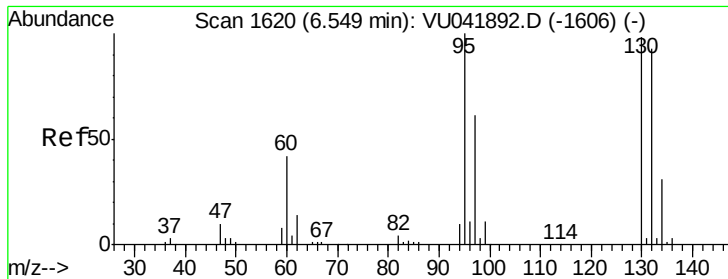
#31
Carbon tetrachloride
Concen: 0.098 ug/L
RT: 5.54 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VU041904.D
Acq: 08 Jan 2021 14:48

Tgt Ion: 117 Resp: 1245
Ion Ratio Lower Upper
117 100
119 79.5 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): VU041892.D (-1288) (-)
Ion 118.90 (118.60 to 119.60): VU041892.D (-1288) (-)

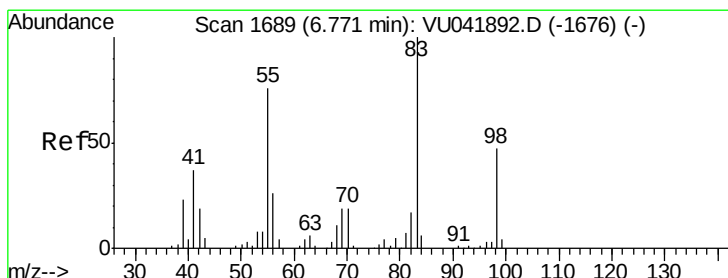
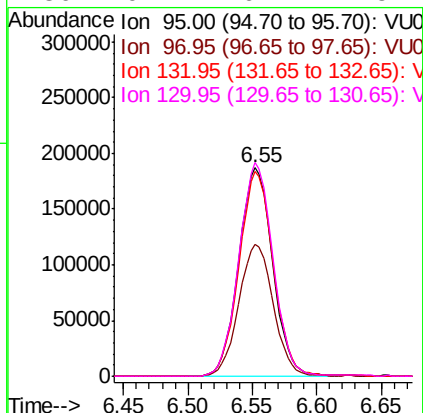
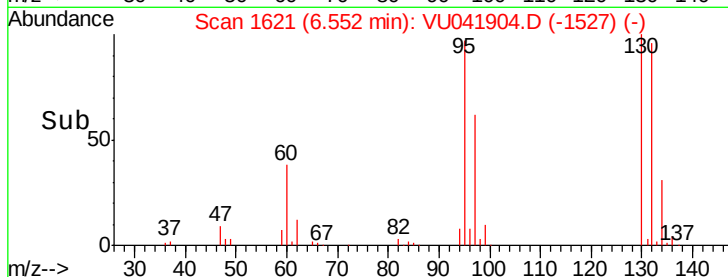
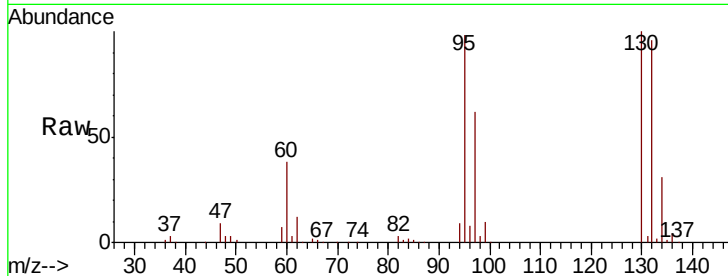




#34
 Trichloroethene
 Concen: 33.342 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041904.D
 Acq: 08 Jan 2021 14:48

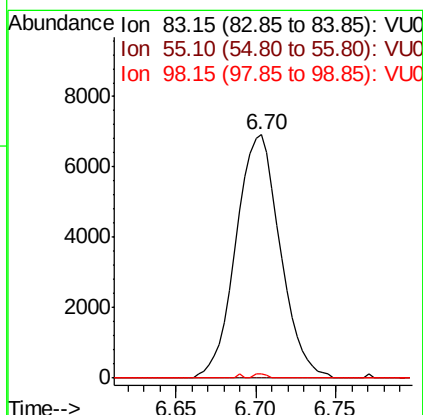
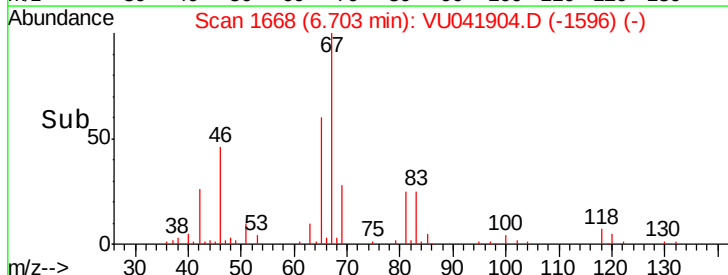
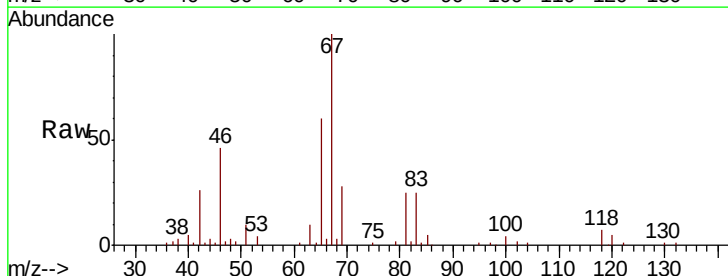
Instrument :
 MSVOA_U
 ClientSampled :

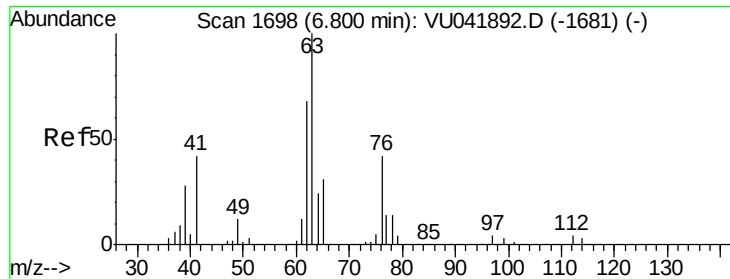
Tot Ion:	95	Resp:	344396
Ion	Ratio	Lower	Upper
95	100		
97	63.0	43.9	81.5
132	98.2	63.1	117.3
130	102.4	67.4	125.2



#35
 Methylcyclohexane
 Concen: 0.782 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU041904.D
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Tgt Ion:	83	Resp:	13052
Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.2	91.8#
98	0.0	36.6	54.8#

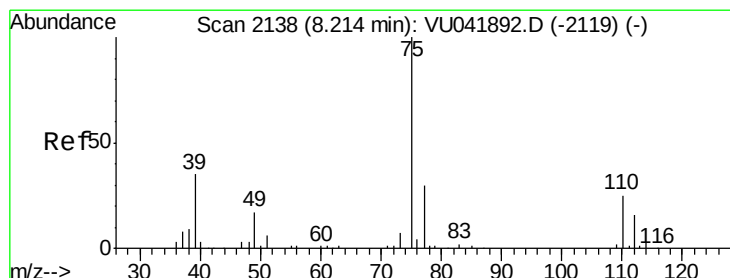
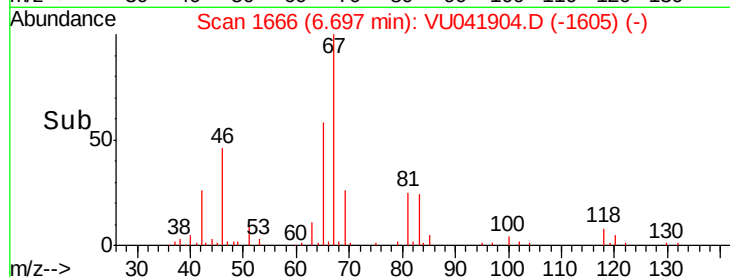
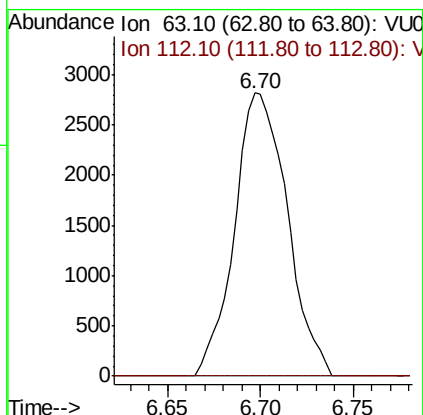
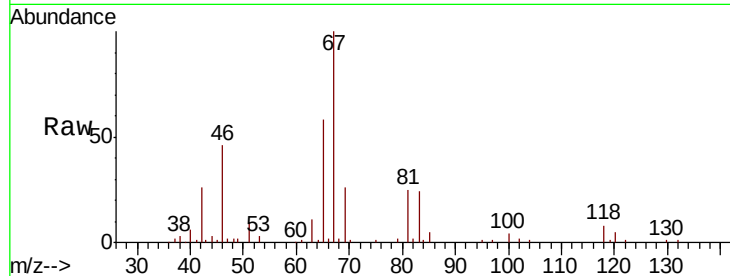




#37
 1,2-Dichloropropane
 Concen: 0.530 ug/L
 RT: 6.70 min Scan# 1666
 Delta R.T. -0.10 min
 Lab File: VU041904.D
 Acq: 08 Jan 2021 14:48

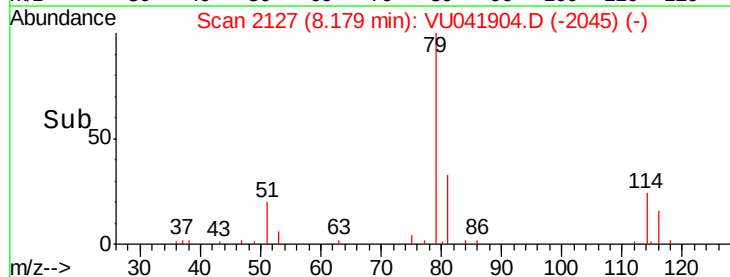
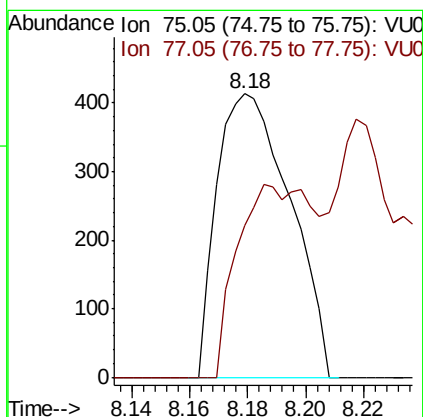
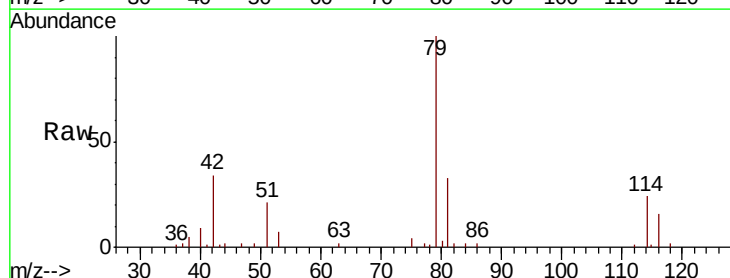
Instrument :
 MSVOA_U
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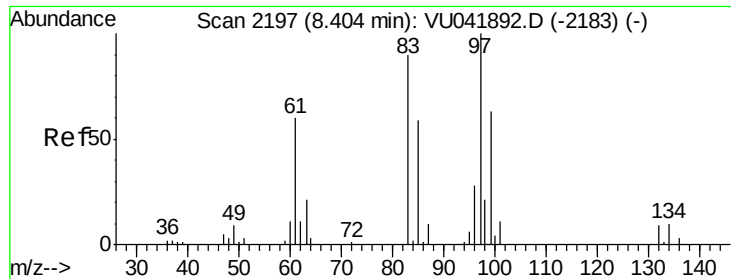
Tot Ion: 63 Resp: 5572
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#44
 trans-1,3-Dichloropropene
 Concen: 0.052 ug/L
 RT: 8.18 min Scan# 2127
 Delta R.T. -0.04 min
 Lab File: VU041904.D
 Acq: 08 Jan 2021 14:48

Tgt Ion: 75 Resp: 724
 Ion Ratio Lower Upper
 75 100
 77 53.8 23.8 44.2#

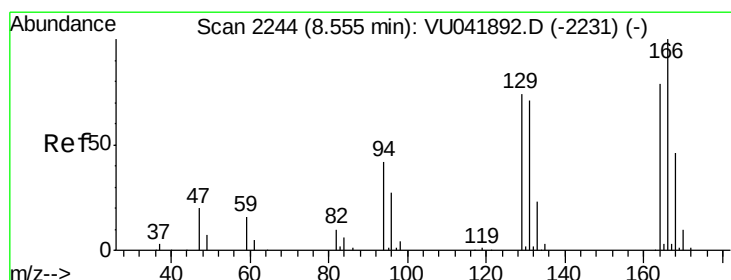
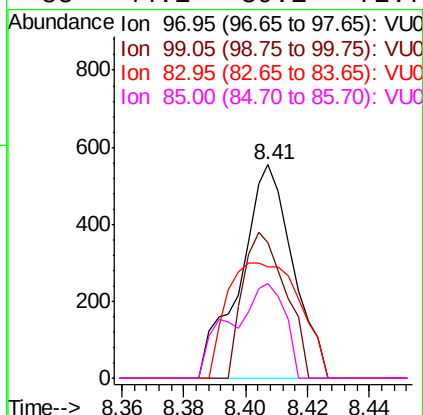
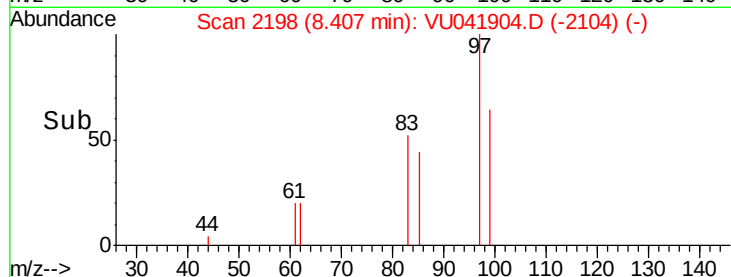
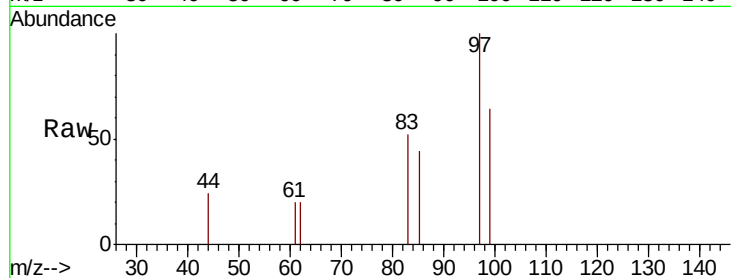




#45
 1,1,2-Trichloroethane
 Concen: 0.084 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU041904.D
 Acq: 08 Jan 2021 14:48

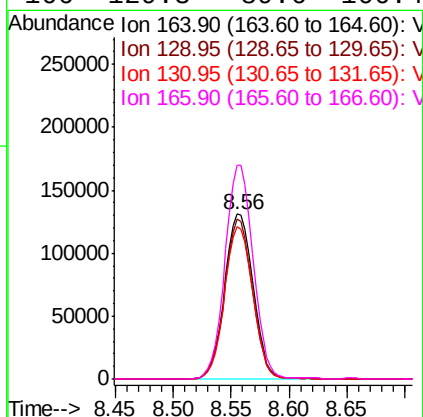
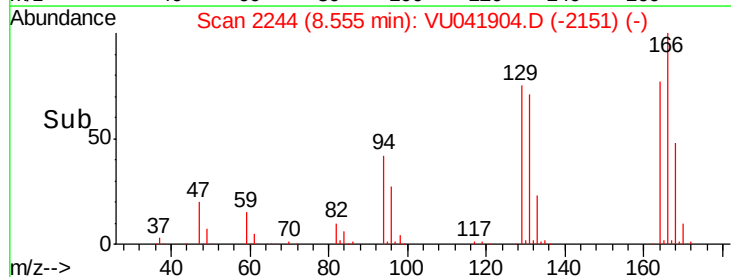
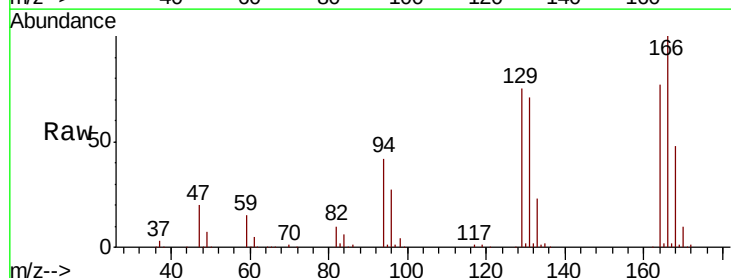
Instrument :
 MSVOA_U
 ClientSampleId :

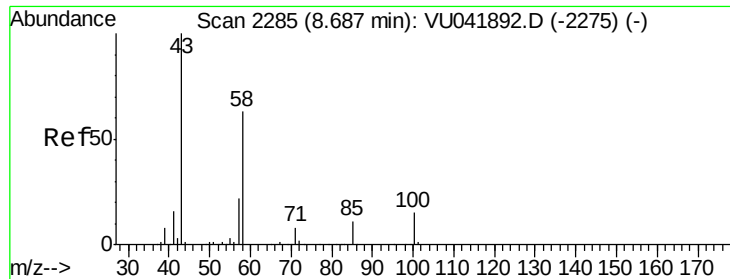
Tot Ion: 97 Resp: 655
 Ion Ratio Lower Upper
 97 100
 99 63.6 42.1 78.3
 83 51.9 62.6 116.2#
 85 44.1 39.1 72.7



#47
 Tetrachloroethene
 Concen: 31.130 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU041904.D
 Acq: 08 Jan 2021 14:48

Tgt Ion: 164 Resp: 225098
 Ion Ratio Lower Upper
 164 100
 129 96.7 72.2 134.0
 131 92.2 66.9 124.3
 166 129.3 89.6 166.4

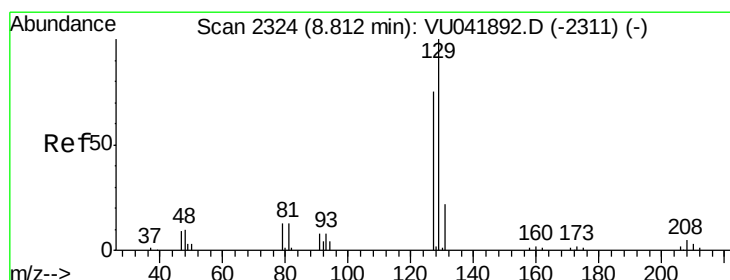
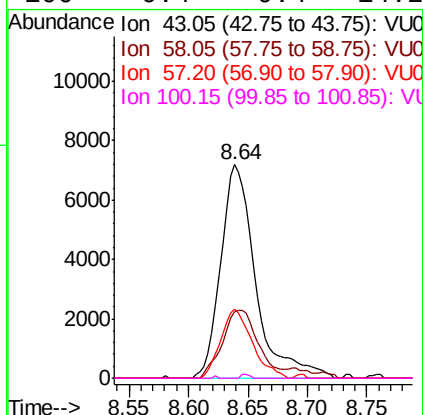
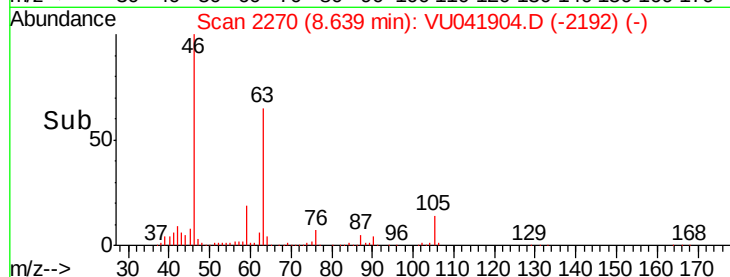
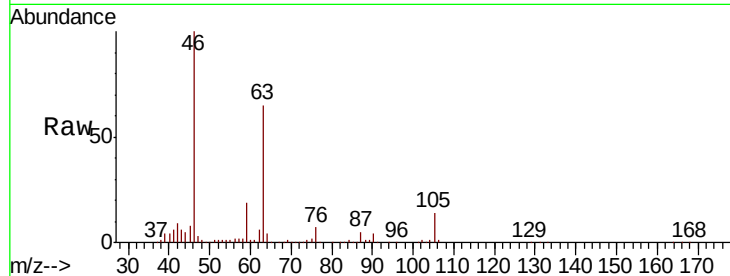




#48
2-Hexanone
Concen: 2.694 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041904.D
Acq: 08 Jan 2021 14:48

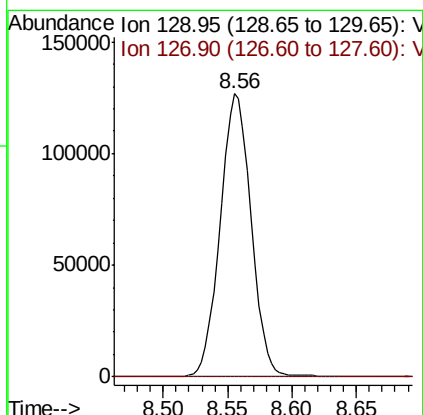
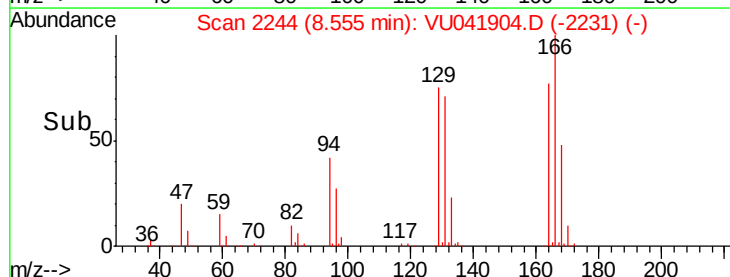
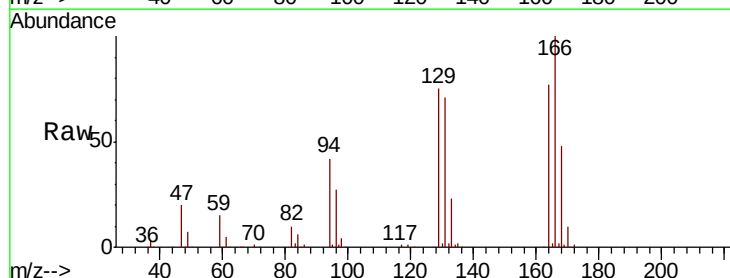
Instrument :
MSVOA_U
ClientSampleId :

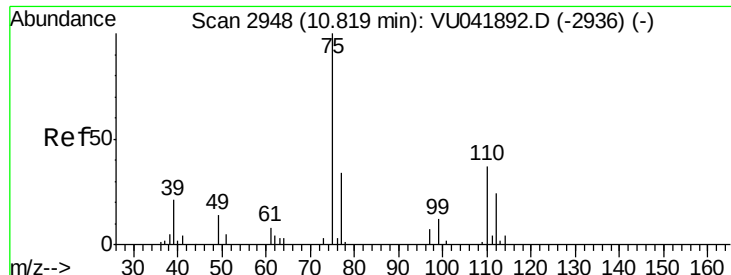
Tot Ion: 43 Resp: 14669
Ion Ratio Lower Upper
43 100
58 32.7 47.9 71.9#
57 29.2 16.5 24.7#
100 0.4 9.4 14.2#



#49
Dibromochloromethane
Concen: 23.441 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041904.D
Acq: 08 Jan 2021 14:48

Tgt Ion: 129 Resp: 209354
Ion Ratio Lower Upper
129 100
127 0.1 54.7 101.7#





#59

1,2,3-Trichloropropane

Concen: 0.727 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041904.D

Acq: 08 Jan 2021 14:48

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 5739

Ion Ratio Lower Upper

75 100

77 33.4 26.2 39.2

