

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041929.D
 Acq On : 11 Jan 2021 18:42
 Operator : SY/MD
 Sample : M1027-02DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 BFXM3DL

Quant Time: Jan 12 03:28:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 03:17:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	114353	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	109784	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46555	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	46100	4.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.60%
7) Chloroethane-d5	1.92	69	43631	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.57	63	69471	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.00%
20) 2-Butanone-d5	4.66	46	148811	55.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.12%
24) Chloroform-d	5.08	84	86952	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.72	65	49322	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	5.74	84	167280	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.70	67	52457	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.90	98	136160	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	8.19	79	20704	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
46) 2-Hexanone-d5	8.64	63	123560	57.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.84%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48209	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	49673	5.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.80%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	673	0.056	ug/L 100
8) Chloroethane	1.94	64	246	0.031	ug/L # 43
9) Trichlorofluoromethane	2.15	101	91190	5.410	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	1057	0.115	ug/L # 56
12) 1,1-Dichloroethene	2.58	96	1171	0.131	ug/L # 1
16) Methylene chloride	3.06	84	8505	0.758	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	3360	0.157	ug/L # 88
19) 1,1-Dichloroethane	3.89	63	4015	0.247	ug/L 97
22) cis-1,2-Dichloroethene	4.68	96	8551	0.924	ug/L 85
25) Chloroform	5.11	83	2414	0.142	ug/L # 70
34) Trichloroethene	6.55	95	104285	11.228	ug/L 97
35) Methylcyclohexane	6.70	83	12343	0.904	ug/L # 17
37) 1,2-Dichloropropane	6.70	63	5308	0.602	ug/L # 88
39) cis-1,3-Dichloropropene	7.57	75	1264	0.097	ug/L # 68
44) trans-1,3-Dichloropropene	8.19	75	769	0.067	ug/L # 74
47) Tetrachloroethene	8.56	164	4910	0.760	ug/L 97
48) 2-Hexanone	8.64	43	13429	3.252	ug/L # 66

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jan 12 03:17:19 2021
Response via : Initial Calibration

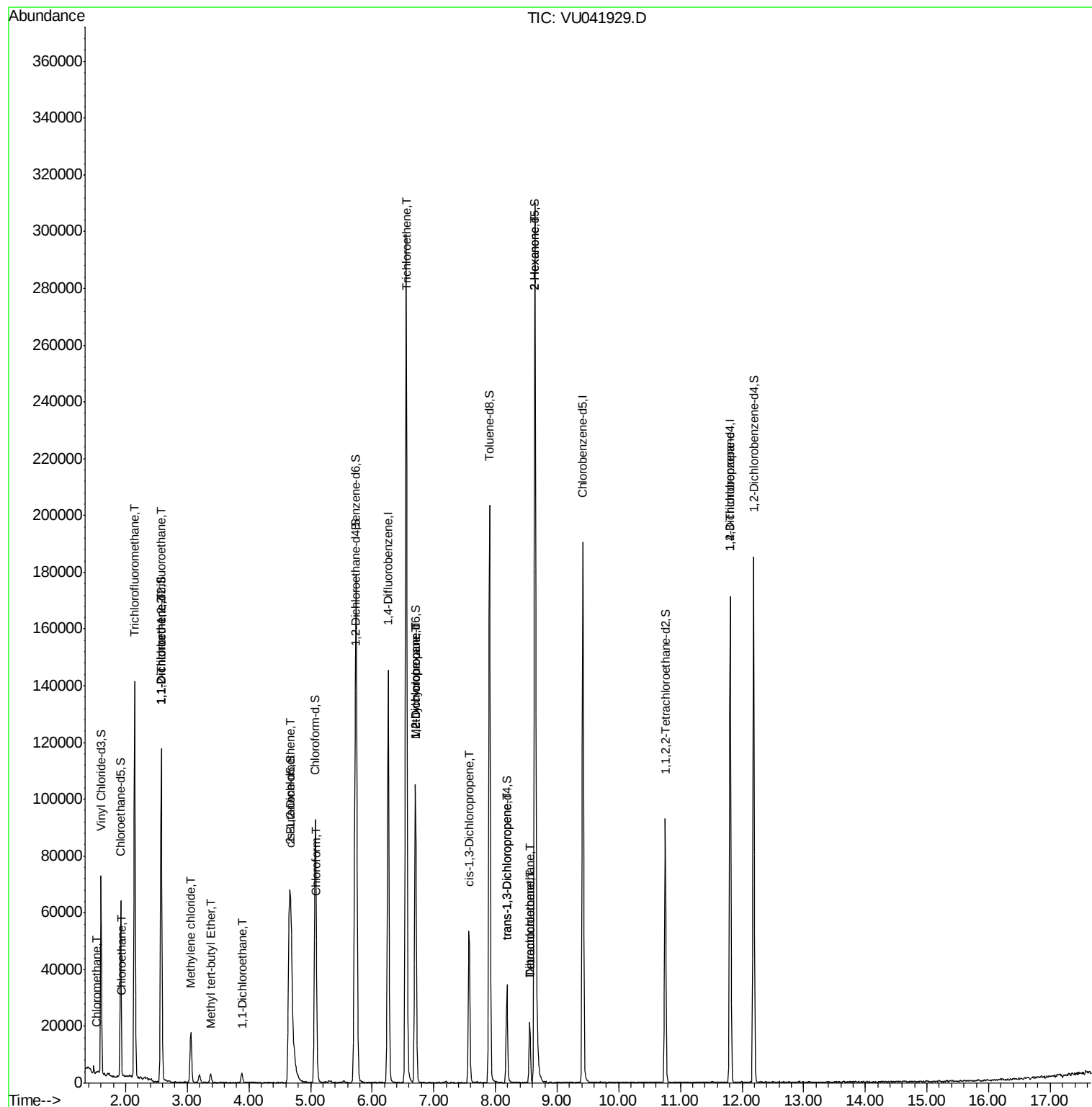
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.56	129	5081	0.617	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5493	0.852	ug/L	93

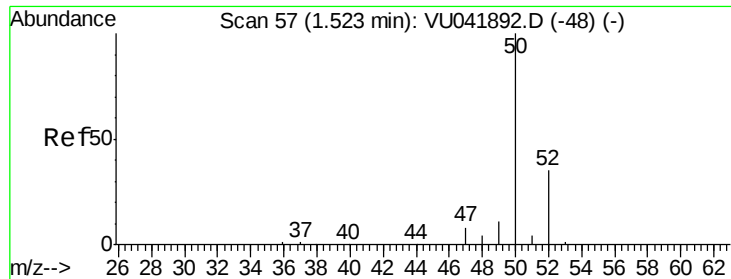
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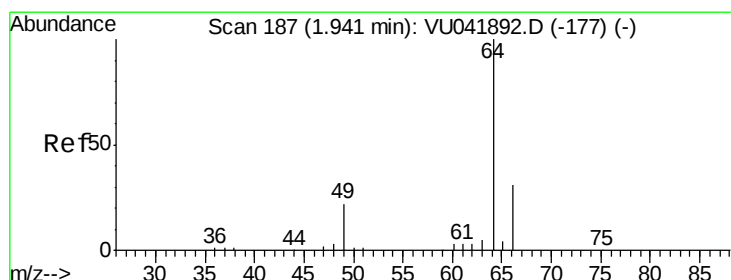
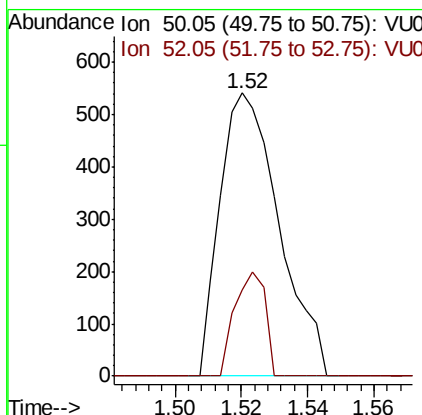
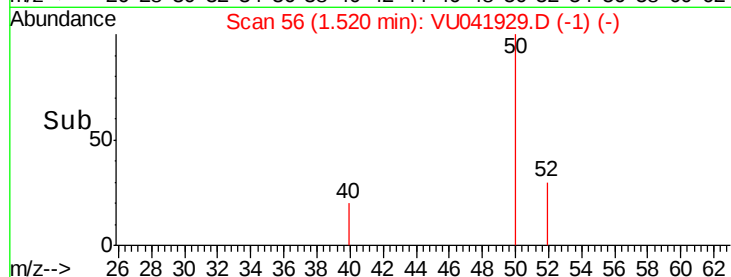
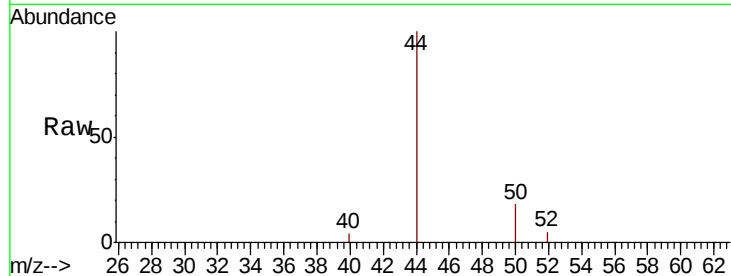




#3
 Chloromethane
 Concen: 0.056 ug/L
 RT: 1.52 min Scan# 56
 Delta R.T. -0.00 min
 Lab File: VU041929.D
 Acq: 11 Jan 2021 18:42

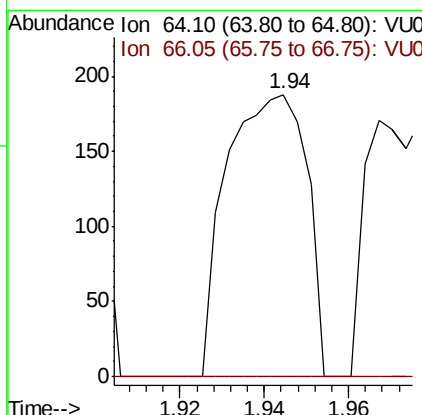
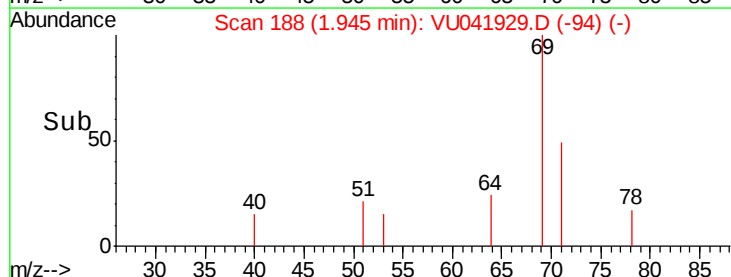
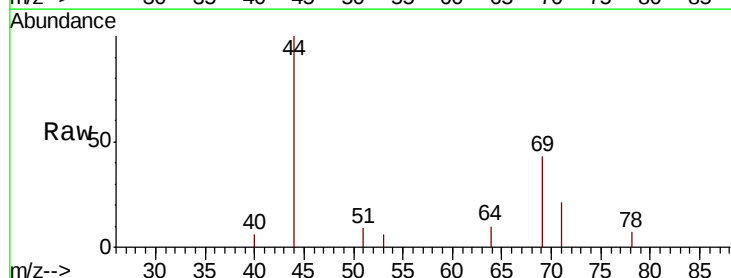
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXM3DL

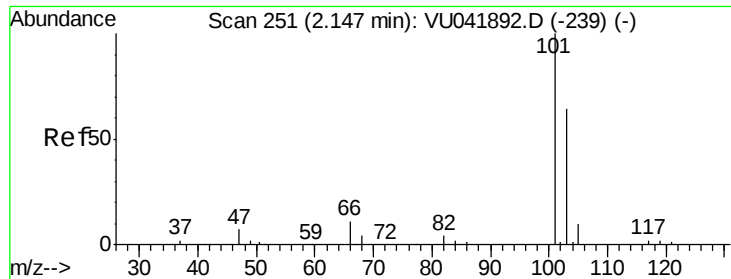
Tot Ion: 50 Resp: 673
 Ion Ratio Lower Upper
 50 100
 52 30.5 21.4 39.8



#8
 Chloroethane
 Concen: 0.031 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU041929.D
 Acq: 11 Jan 2021 18:42

Tgt Ion: 64 Resp: 246
 Ion Ratio Lower Upper
 64 100
 66 0.0 22.1 41.1#



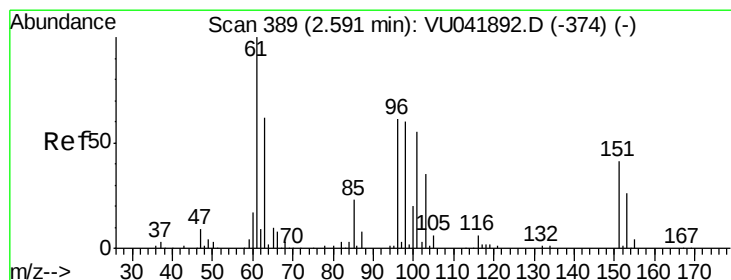
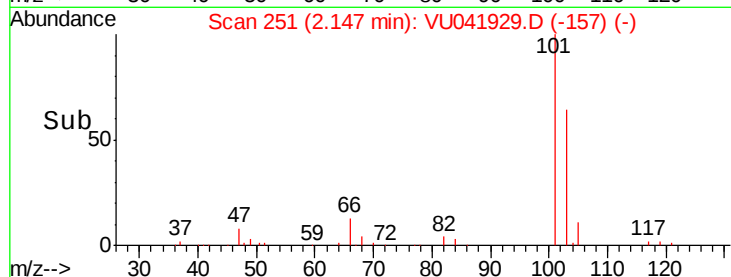
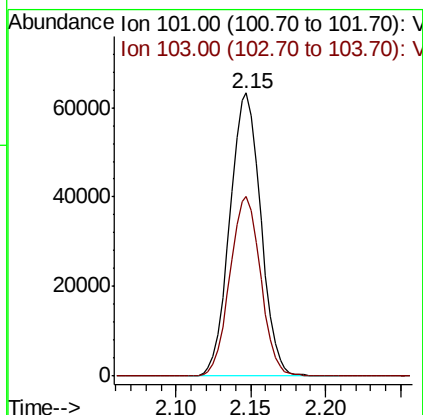
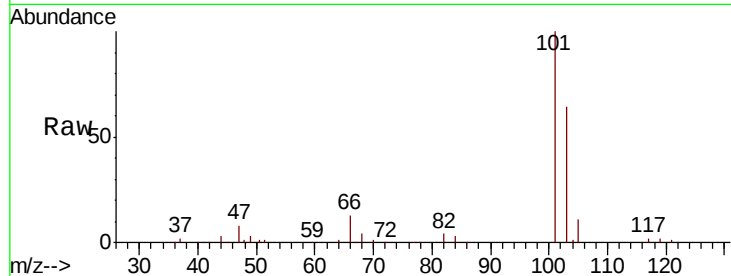


#9

Trichlorofluoromethane
 Concen: 5.410 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU041929.D
 Acq: 11 Jan 2021 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXM3DL

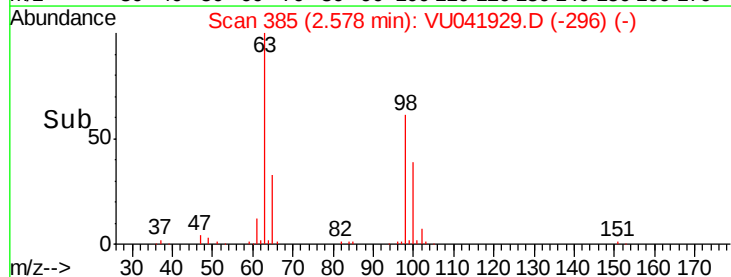
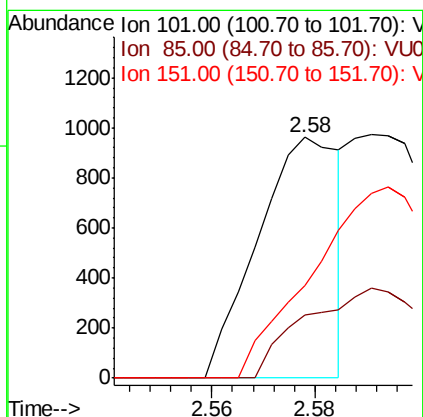
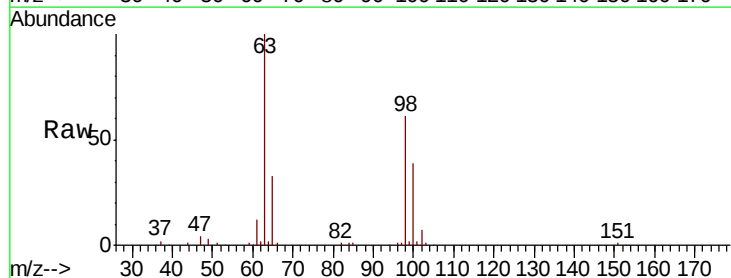
Tot Ion:101 Resp: 91190
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.3 76.9

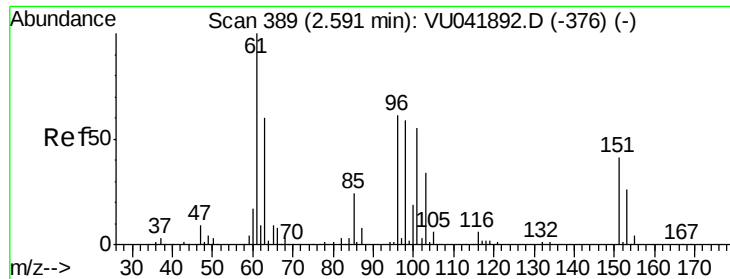


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.115 ug/L
 RT: 2.58 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VU041929.D
 Acq: 11 Jan 2021 18:42

Tgt Ion:101 Resp: 1057
 Ion Ratio Lower Upper
 101 100
 85 55.1 35.1 52.7#
 151 123.2 58.2 87.2#

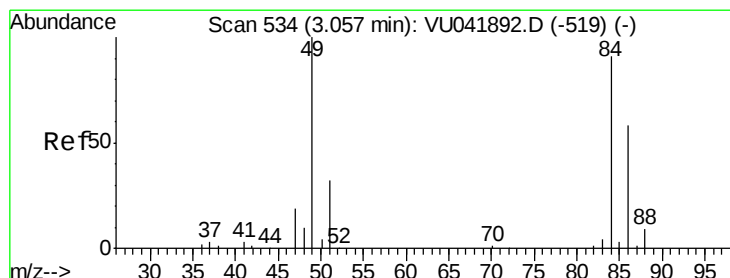
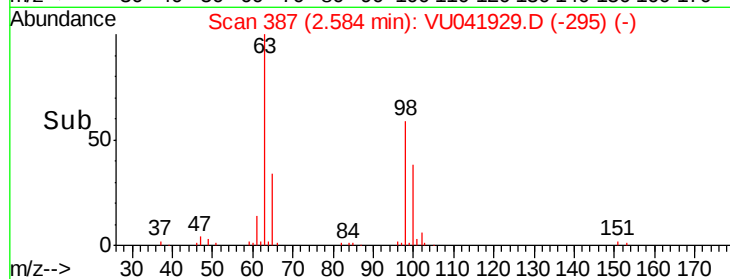
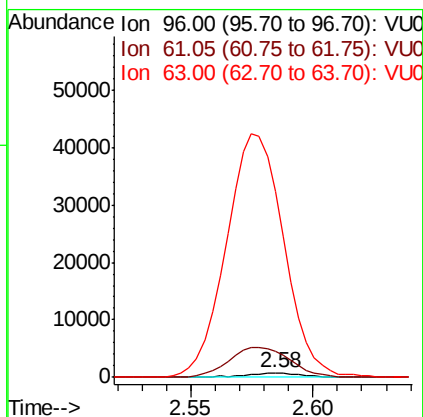
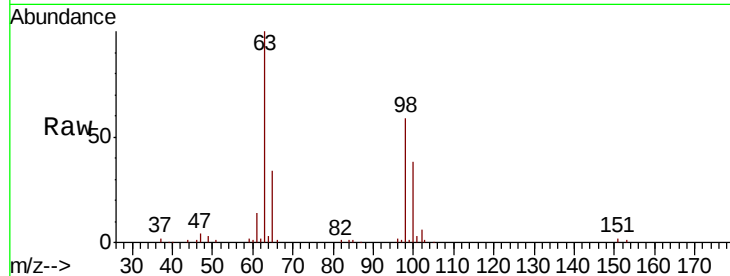




#12
 1,1-Dichloroethene
 Concen: 0.131 ug/L
 RT: 2.58 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VU041929.D
 Acq: 11 Jan 2021 18:42

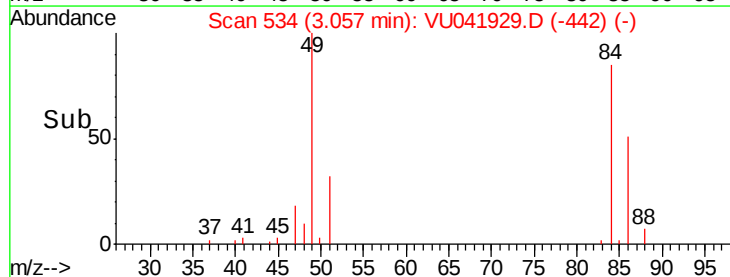
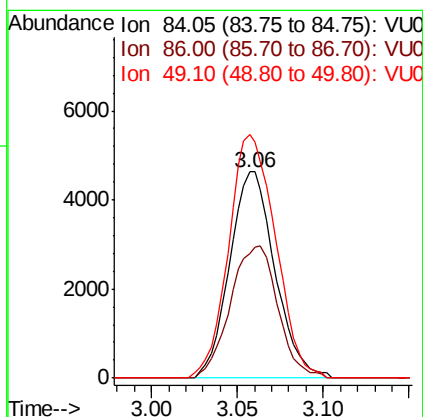
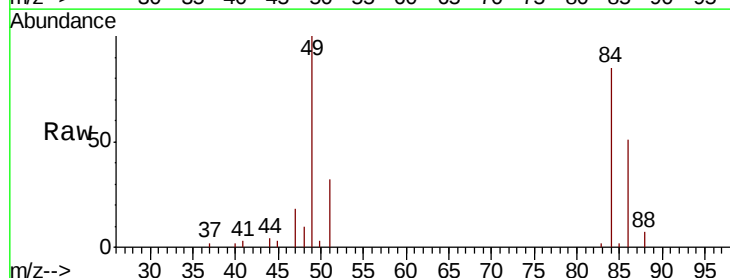
Instrument :
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 ClientSampleId :
 BFXM3DL

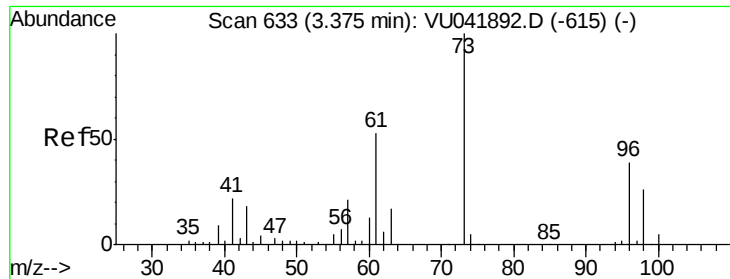
Tot Ion: 96 Resp: 1171
 Ion Ratio Lower Upper
 96 100
 61 609.3 123.5 229.4#
 63 4303.9 93.5 173.7#



#16
 Methylene chloride
 Concen: 0.758 ug/L
 RT: 3.06 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VU041929.D
 Acq: 11 Jan 2021 18:42

Tgt Ion: 84 Resp: 8505
 Ion Ratio Lower Upper
 84 100
 86 60.4 43.5 80.7
 49 118.1 81.8 151.8

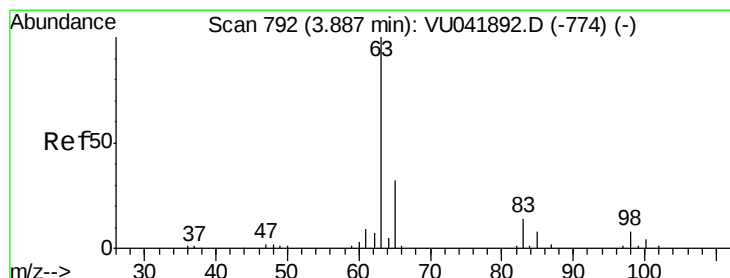
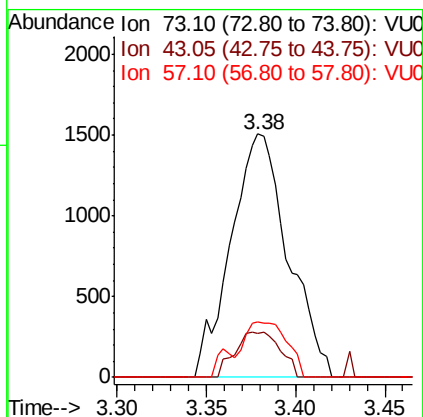
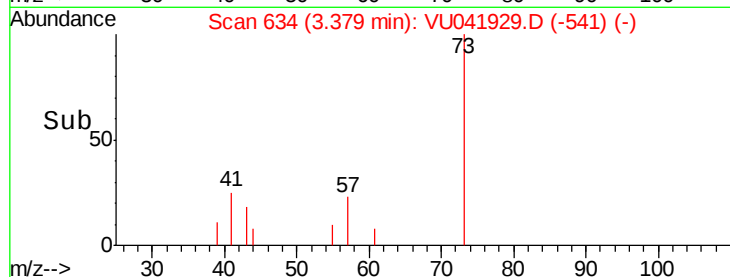
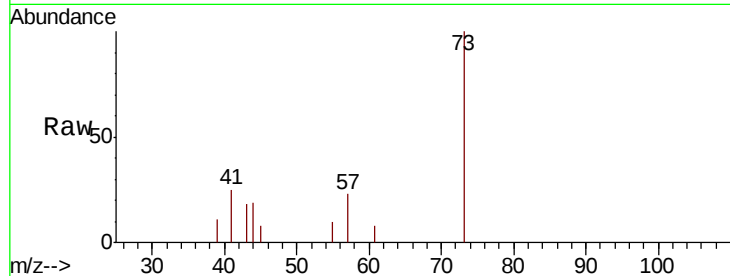




#17
Methvl tert-butvl Ether
Concen: 0.157 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041929.D
Acq: 11 Jan 2021 18:42

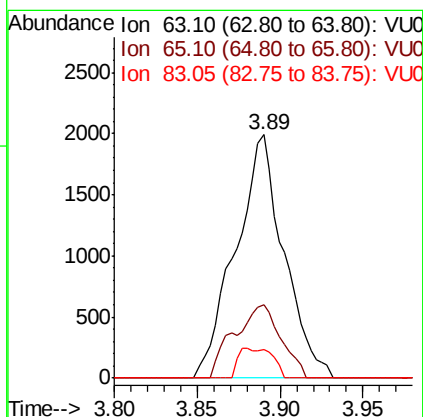
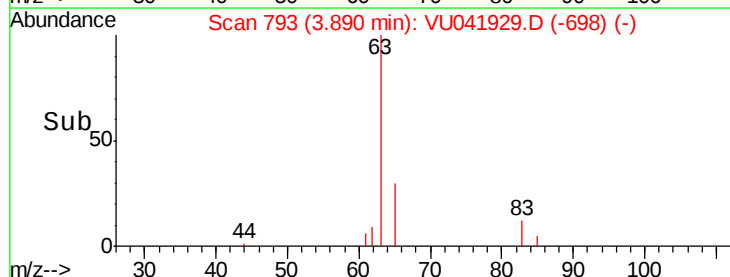
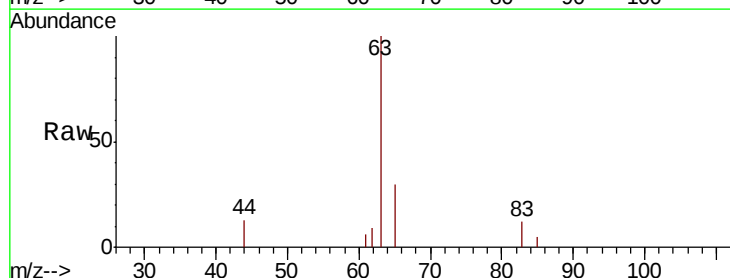
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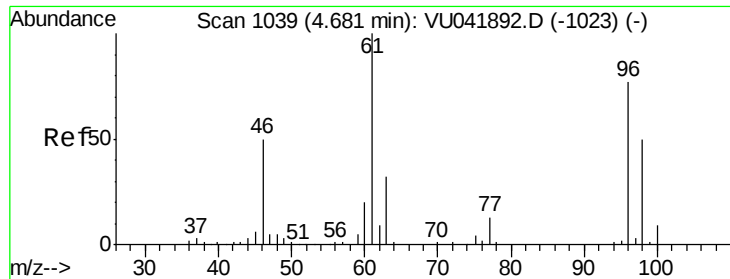
Tot Ion: 73 Resp: 3360
Ion Ratio Lower Upper
73 100
43 14.8 15.8 23.8#
57 16.9 18.3 27.5#



#19
1,1-Dichloroethane
Concen: 0.247 ug/L
RT: 3.89 min Scan# 793
Delta R.T. 0.01 min
Lab File: VU041929.D
Acq: 11 Jan 2021 18:42

Tgt Ion: 63 Resp: 4015
Ion Ratio Lower Upper
63 100
65 30.1 22.3 41.5
83 11.6 9.0 16.8

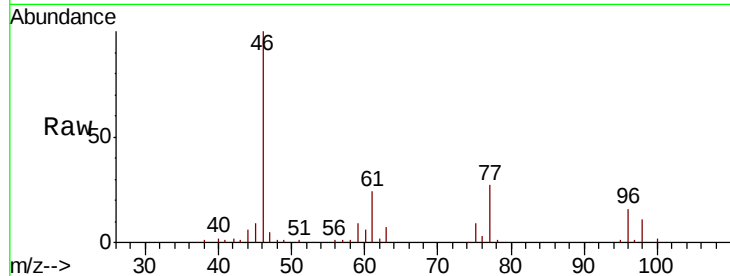




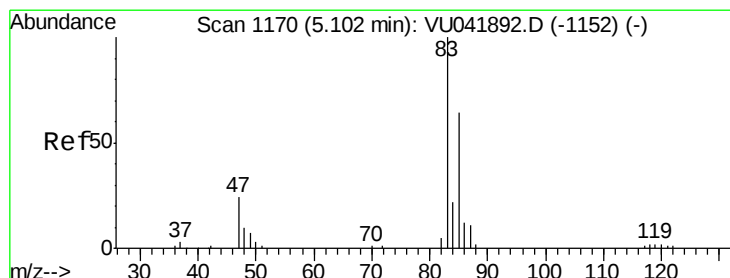
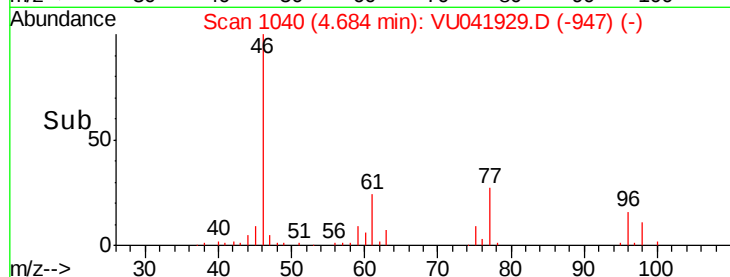
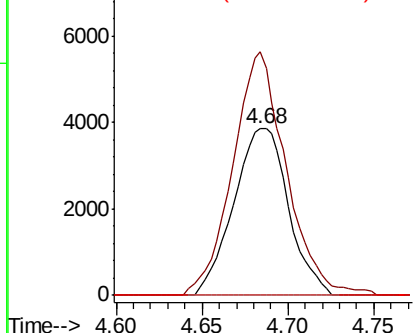
#22
 cis-1,2-Dichloroethene
 Concen: 0.924 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU041929.D
 Acq: 11 Jan 2021 18:42

Instrument :
 MSVOA_U
 ClientSampleID :
 BFXM3DL

Tot Ion: 96 Resp: 8551
 Ion Ratio Lower Upper
 96 100
 61 146.0 90.3 167.7
 68 0.0 0.0 0.0

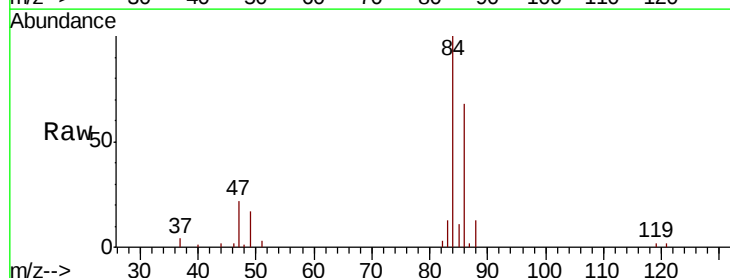


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

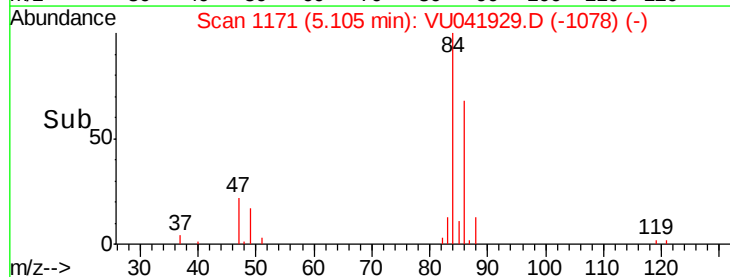
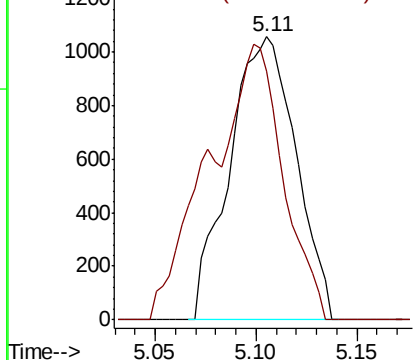


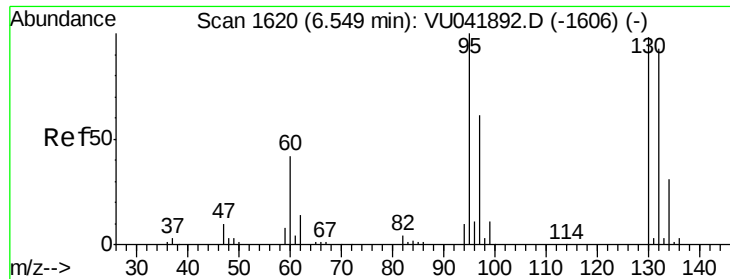
#25
 Chloroform
 Concen: 0.142 ug/L
 RT: 5.11 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VU041929.D
 Acq: 11 Jan 2021 18:42

Tgt Ion: 83 Resp: 2414
 Ion Ratio Lower Upper
 83 100
 85 87.7 45.1 83.9#



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 11.228 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041929.D

Acq: 11 Jan 2021 18:42

Instrument :

MSVOA_U

ClientSampleId :

BFXM3DL

Tot Ion: 95 Resp: 104285

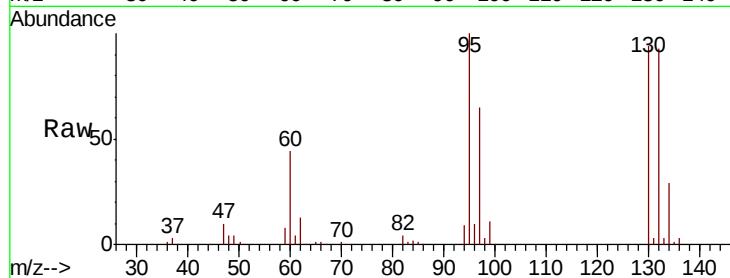
Ion Ratio Lower Upper

95 100

97 64.7 45.2 84.0

132 93.5 68.7 127.5

130 94.5 68.0 126.4

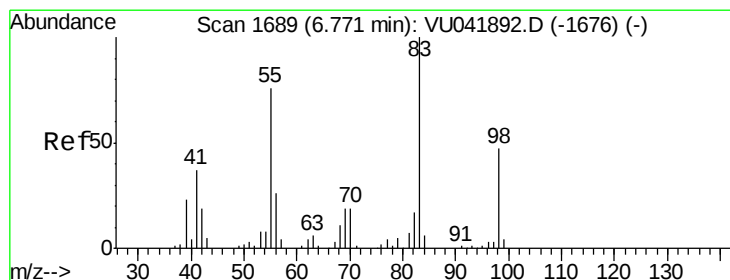
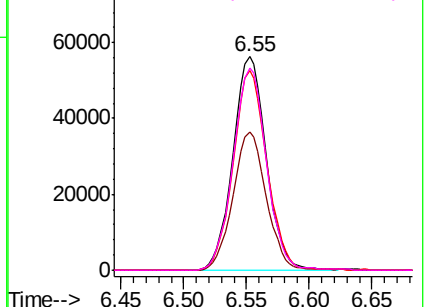
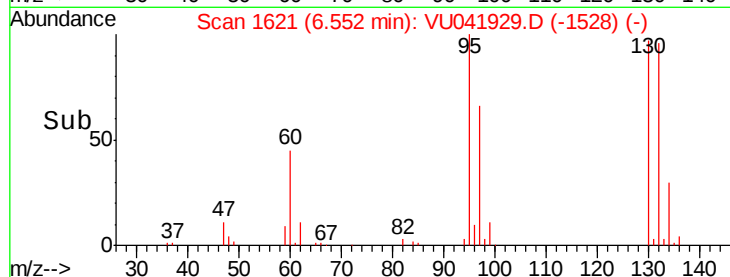


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.904 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041929.D

Acq: 11 Jan 2021 18:42

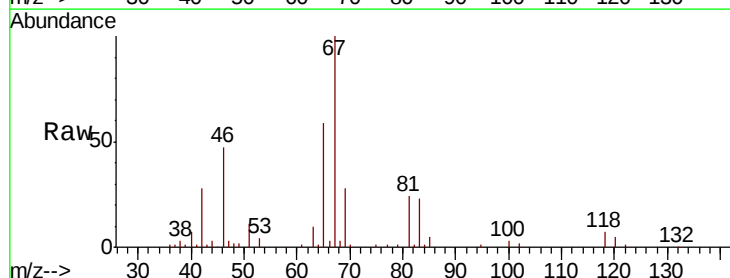
Tgt Ion: 83 Resp: 12343

Ion Ratio Lower Upper

83 100

55 0.0 64.3 96.5#

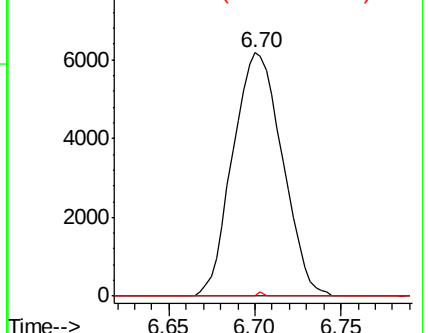
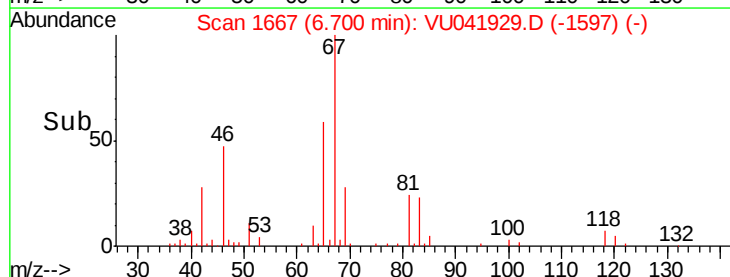
98 0.0 36.6 54.8#

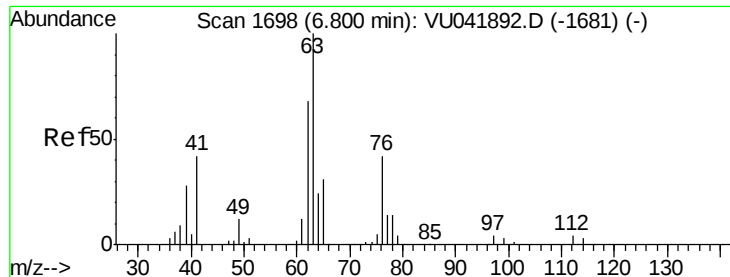


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

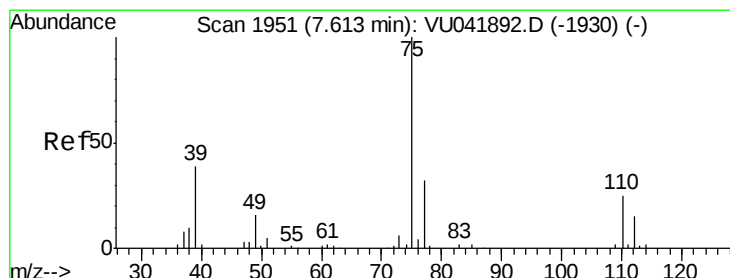
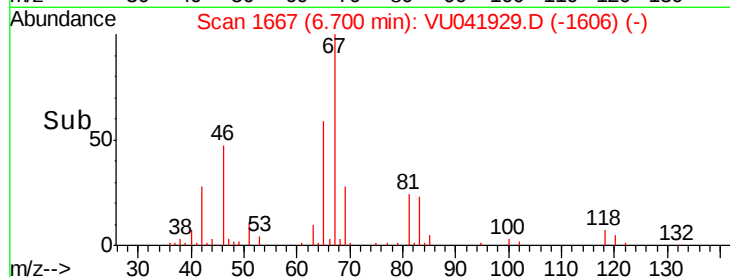
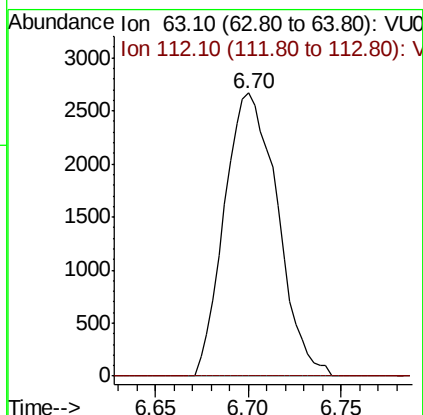
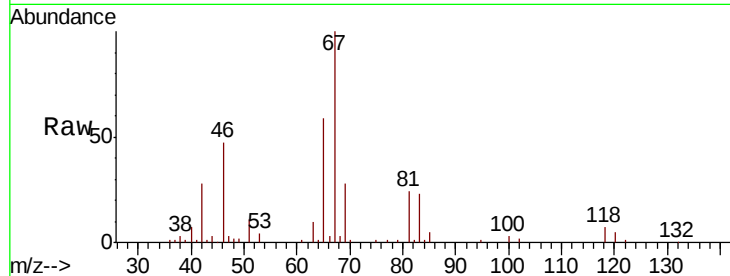




#37
 1,2-Dichloropropane
 Concen: 0.602 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041929.D
 Acq: 11 Jan 2021 18:42

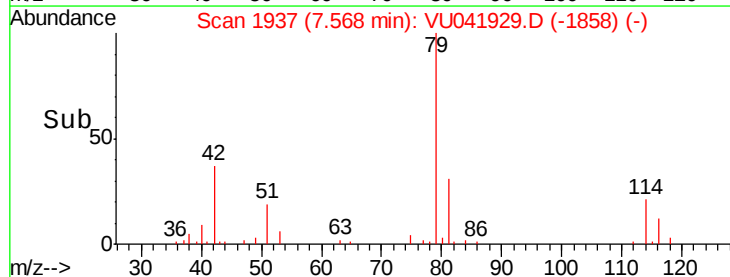
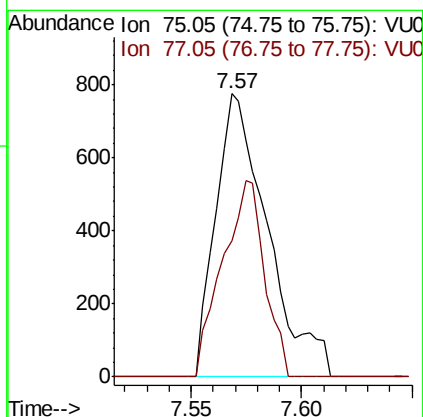
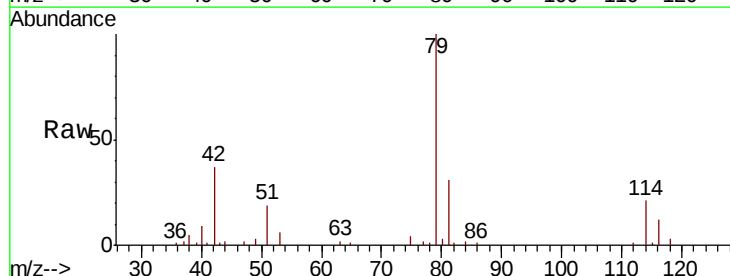
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXM3DL

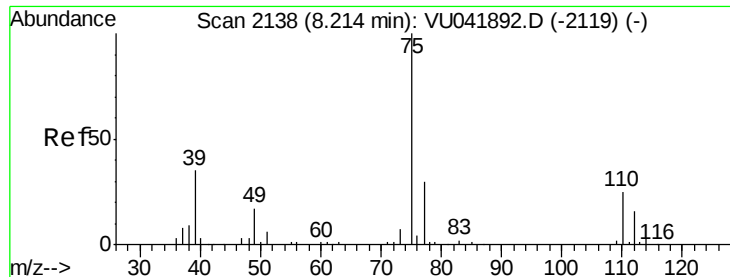
Tot Ion: 63 Resp: 5308
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.3 4.9#



#39
 cis-1,3-Dichloropropene
 Concen: 0.097 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.04 min
 Lab File: VU041929.D
 Acq: 11 Jan 2021 18:42

Tgt Ion: 75 Resp: 1264
 Ion Ratio Lower Upper
 75 100
 77 48.0 21.5 39.9#





#44

trans-1,3-Dichloropropene

Concen: 0.067 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041929.D

Acq: 11 Jan 2021 18:42

Instrument :

MSVOA_U

ClientSampleId :

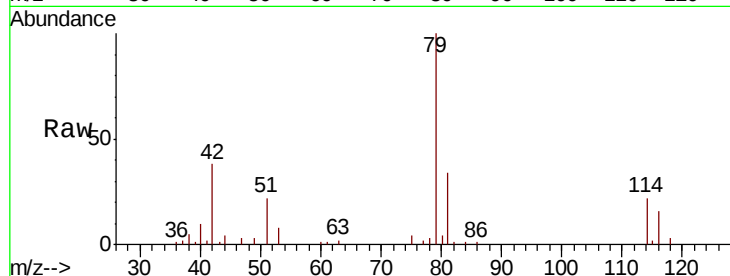
BFXM3DL

Tot Ion: 75 Resp: 769

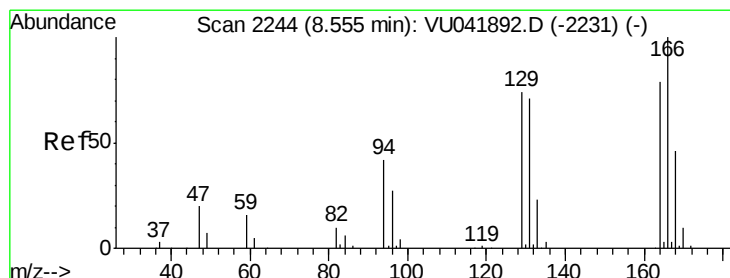
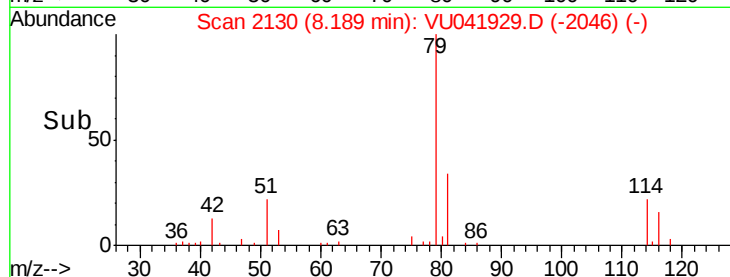
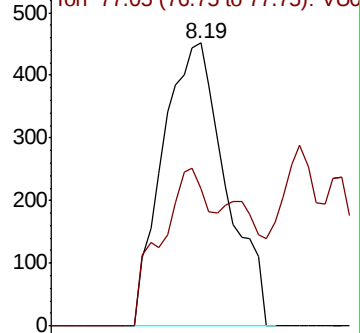
Ion Ratio Lower Upper

75 100

77 48.7 23.7 44.1#



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



#47

Tetrachloroethene

Concen: 0.760 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041929.D

Acq: 11 Jan 2021 18:42

Tgt Ion: 164 Resp: 4910

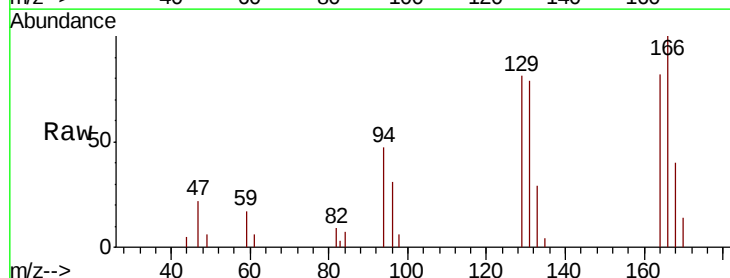
Ion Ratio Lower Upper

164 100

129 99.4 69.2 128.6

131 97.2 69.7 129.5

166 122.5 89.2 165.8

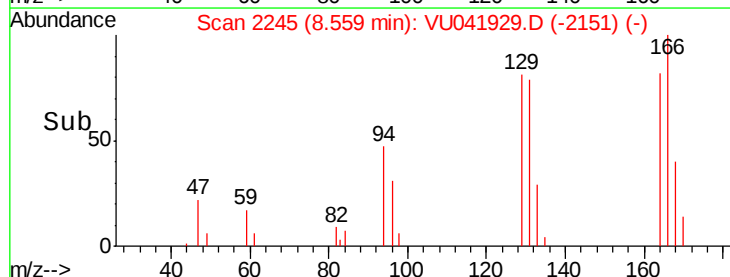
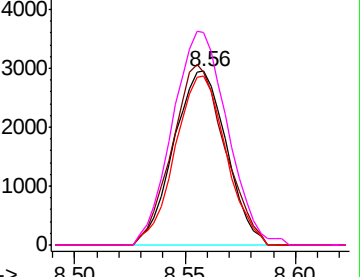


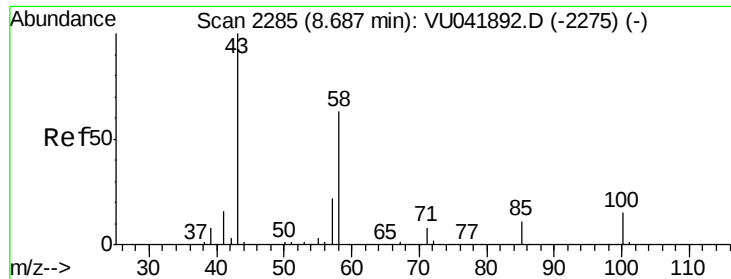
Abundance Ion 163.90 (163.60 to 164.60): VU041892.D (-2231) (-)

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) (-)

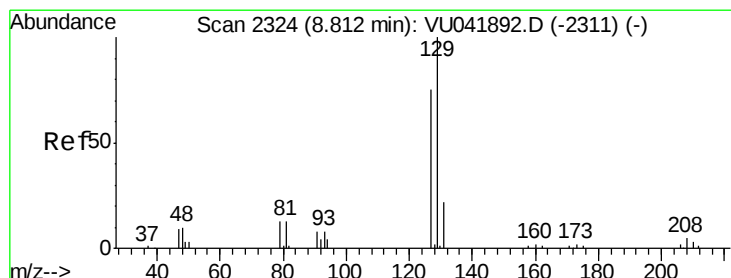
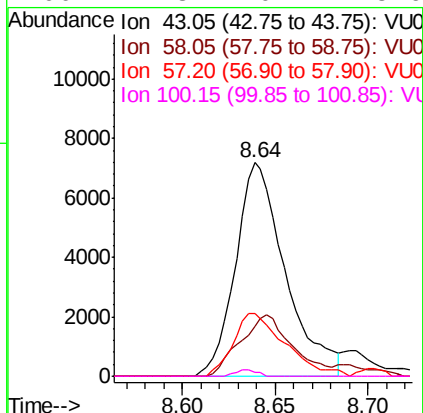
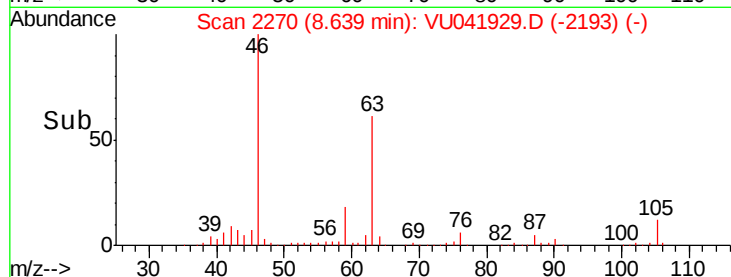
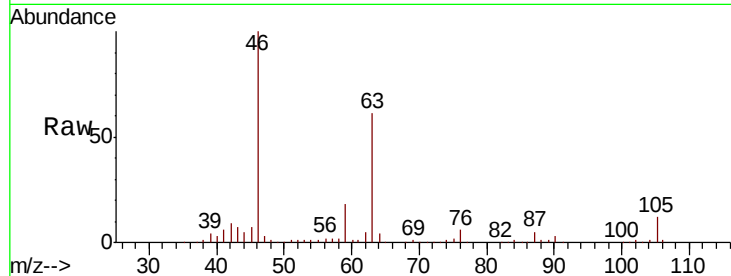




#48
2-Hexanone
Concen: 3.252 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041929.D
Acq: 11 Jan 2021 18:42

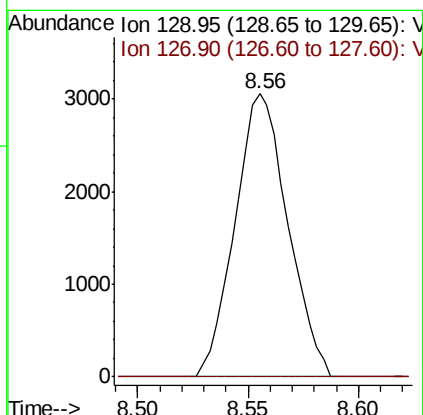
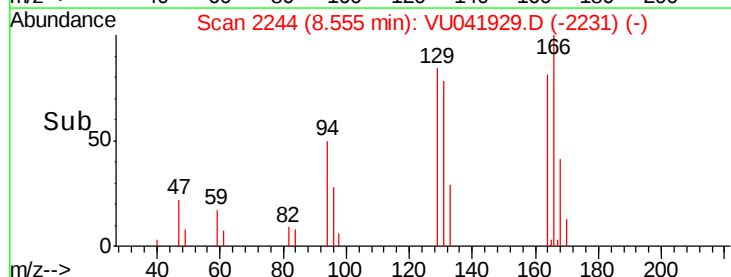
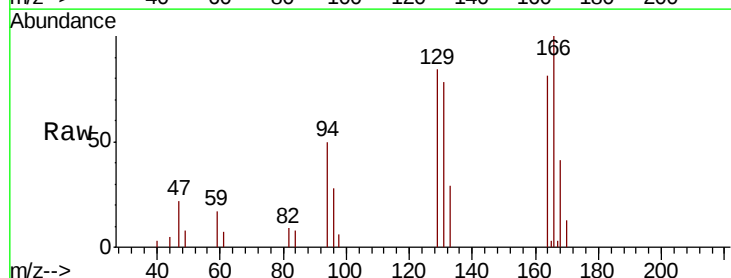
Instrument :
MSVOA_U
ClientSampleId :
BFXM3DL

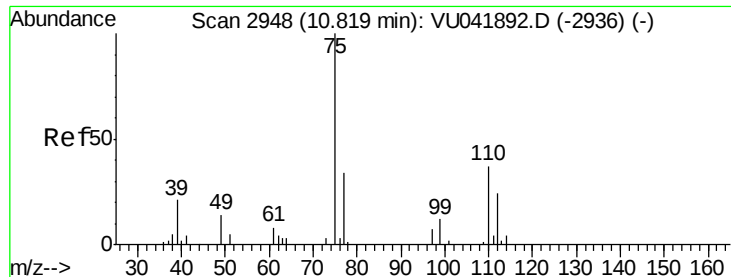
Tot Ion	Ratio	Lower	Upper
43	100		
58	29.8	47.6	71.4#
57	30.8	17.1	25.7#
100	1.3	10.4	15.6#



#49
Dibromochloromethane
Concen: 0.617 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041929.D
Acq: 11 Jan 2021 18:42

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.9	101.9#





#59

1,2,3-Trichloropropane

Concen: 0.852 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041929.D

Acq: 11 Jan 2021 18:42

Instrument :

MSVOA_U

ClientSampleId :

BFXM3DL

Tot Ion: 75 Resp: 5493

Ion Ratio Lower Upper

75 100

77 29.7 27.0 40.4

