

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011222\
 Data File : VU046738.D
 Acq On : 12 Jan 2022 13:28
 Operator : SY/MD
 Sample : N1101-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXW4

Quant Time: Jan 12 13:44:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jan 10 00:25:50 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.272	114	77339	5.000	ug/L	0.02
28) Chlorobenzene-d5	9.423	117	75636	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	45642	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	18647	3.061	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.200%
7) Chloroethane-d5	1.925	69	18369	3.829	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.600%
11) 1,1-Dichloroethene-d2	2.575	65	8424	3.279	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.600%
20) 2-Butanone-d5	4.761	46	24300	13.752	ug/L	0.11
Spiked Amount	50.000	Range	40 - 130	Recovery	=	27.500%#
24) Chloroform-d	5.099	84	46197	4.139	ug/L	0.04
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.800%
26) 1,2-Dichloroethane-d4	5.735	65	27973	4.384	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
32) Benzene-d6	5.755	84	85653	4.062	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.200%
36) 1,2-Dichloropropane-d6	6.710	67	28057	4.428	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.600%
41) Toluene-d8	7.909	98	74041	3.869	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.400%
43) trans-1,3-Dichloroprop...	8.192	79	12257	4.183	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.600%
46) 2-Hexanone-d5	8.655	63	78448	45.599	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.200%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	31327	4.818	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	34310	4.081	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.588	50	49025	4.810	ug/L #	79
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	1244	0.186	ug/L #	86
12) 1,1-Dichloroethene	2.588	96	5116	0.752	ug/L #	46
15) Methyl Acetate	2.954	43	3973	1.187	ug/L #	51
17) Methyl tert-butyl Ether	3.395	73	16795	0.846	ug/L #	88
19) 1,1-Dichloroethane	3.874	63	2364	0.177	ug/L	100
22) cis-1,2-Dichloroethene	4.690	96	19858	2.503	ug/L	99
33) Benzene	5.800	78	23435	0.780	ug/L	100
34) Trichloroethene	6.562	95	203640	25.705	ug/L	97
35) Methylcyclohexane	6.713	83	7126	0.638	ug/L #	19
37) 1,2-Dichloropropane	6.713	63	3056	0.399	ug/L #	88
42) Toluene	7.980	91	32903	1.067	ug/L	99
47) Tetrachloroethene	8.562	164	243614	43.457	ug/L	94
49) Dibromochloromethane	8.562	129	234150	30.707	ug/L #	10
52) Ethylbenzene	9.575	91	4892	0.153	ug/L	99
53) m,p-Xylene	9.697	106	1772	0.145	ug/L	80
55) Styrene	10.118	104	1135	0.056	ug/L	98
61) 1,2,3-Trichloropropane	11.812	75	5260	0.694	ug/L #	65

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QLast Update : Mon Jan 10 00:25:50 2022
Response via : Initial Calibration

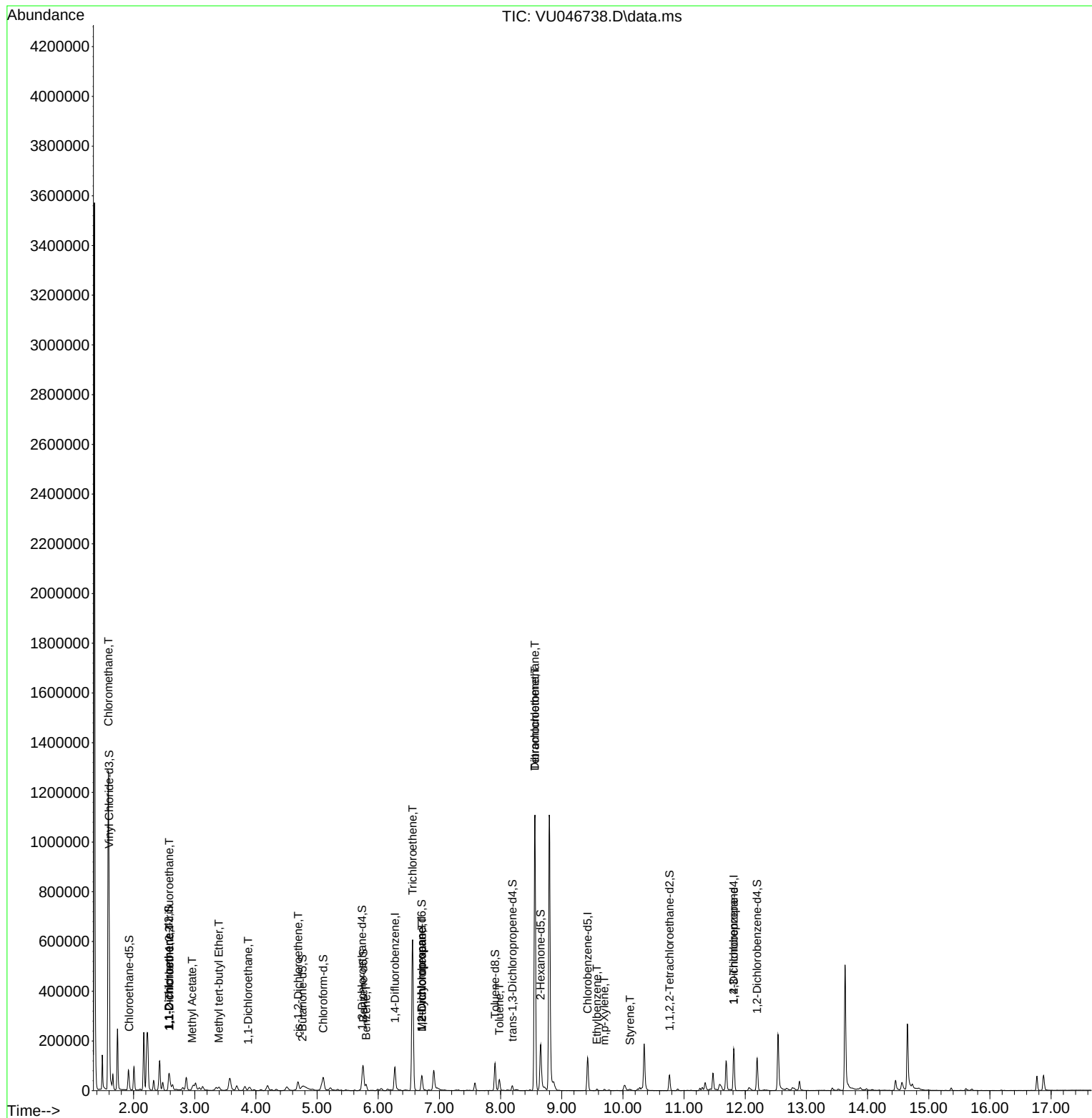
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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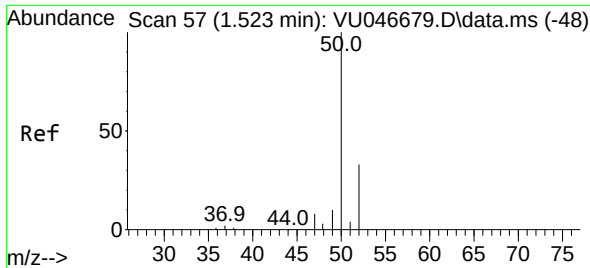
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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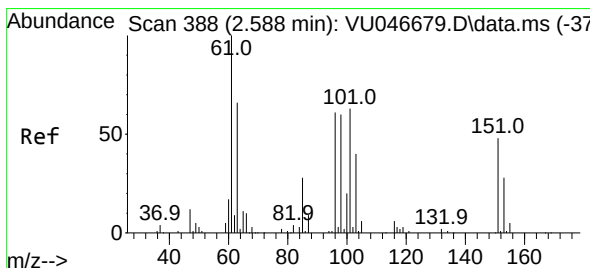
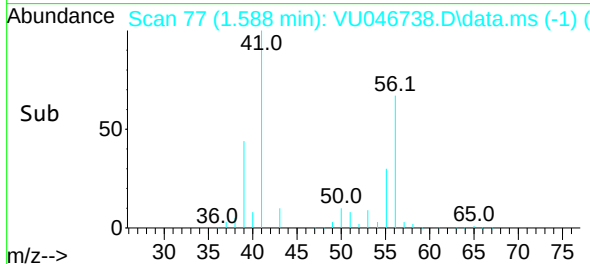
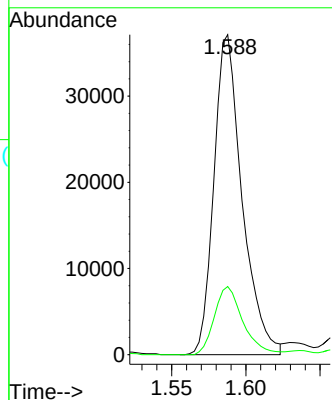
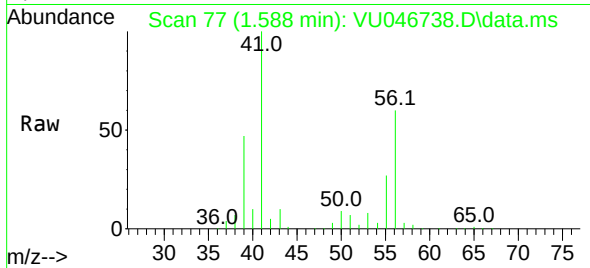




#3
Chloromethane
Concen: 4.810 ug/L
RT: 1.588 min Scan# 71
Delta R.T. 0.071 min
Lab File: VU046738.D
Acq: 12 Jan 2022 13:28

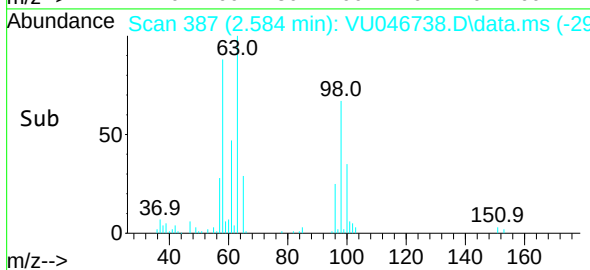
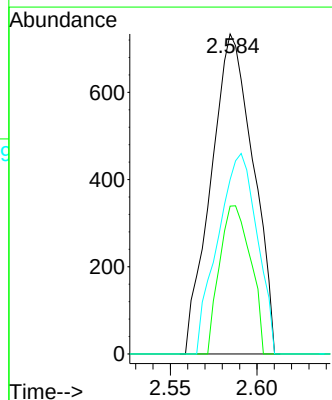
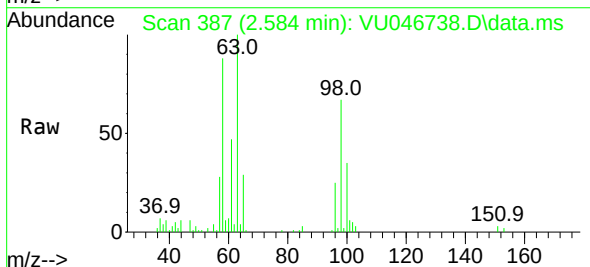
Instrument :
MSVOA_U
ClientSampleId :
BFXW4

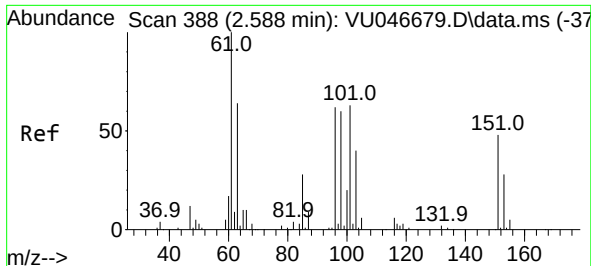
Tgt Ion: 50 Resp: 49025
Ion Ratio Lower Upper
50 100
52 21.3 23.0 42.8#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.186 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.007 min
Lab File: VU046738.D
Acq: 12 Jan 2022 13:28

Tgt Ion: 101 Resp: 1244
Ion Ratio Lower Upper
101 100
85 33.8 34.6 51.8#
151 58.3 56.1 84.1





#12

1,1-Dichloroethene

Concen: 0.752 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.010 min

Lab File: VU046738.D

Acq: 12 Jan 2022 13:28

Instrument :

MSVOA_U

ClientSampleId :

BFXW4

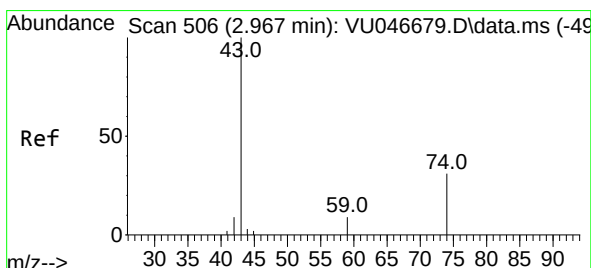
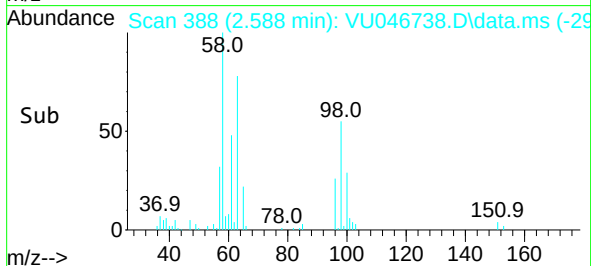
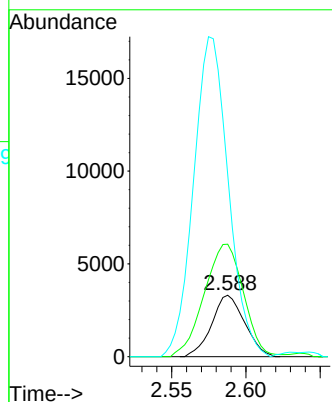
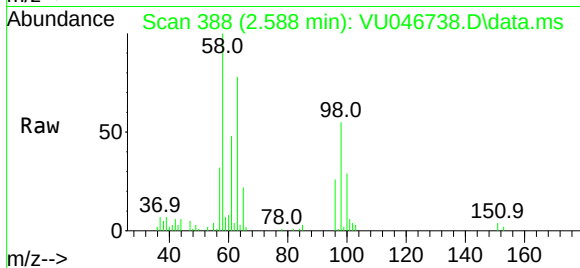
Tgt Ion: 96 Resp: 5116

Ion Ratio Lower Upper

96 100

61 182.8 124.7 231.5

63 296.0 105.2 195.4#



#15

Methyl Acetate

Concen: 1.187 ug/L

RT: 2.954 min Scan# 502

Delta R.T. -0.010 min

Lab File: VU046738.D

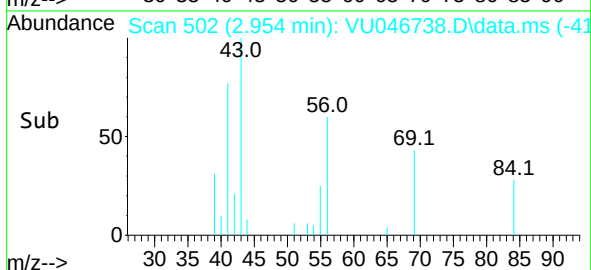
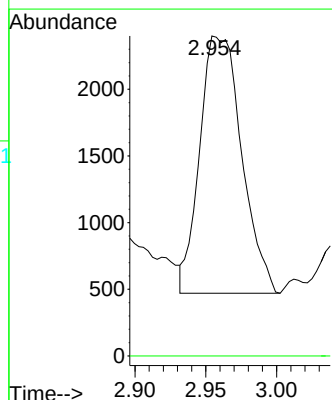
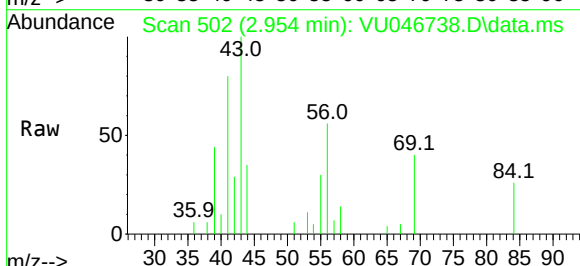
Acq: 12 Jan 2022 13:28

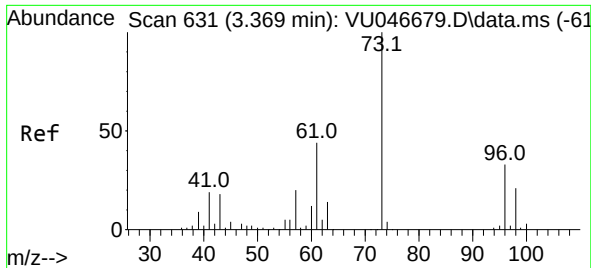
Tgt Ion: 43 Resp: 3973

Ion Ratio Lower Upper

43 100

74 0.0 19.1 28.7#

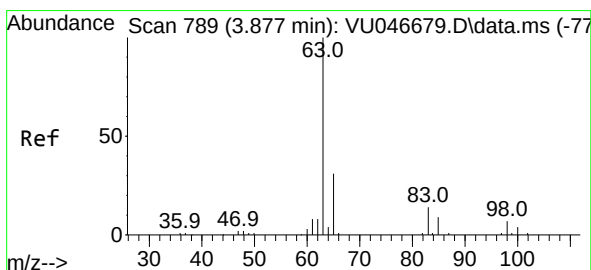
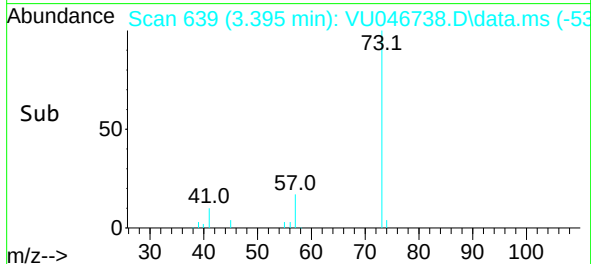
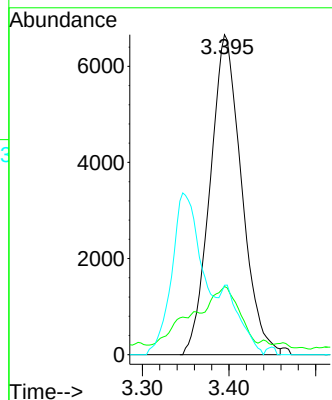
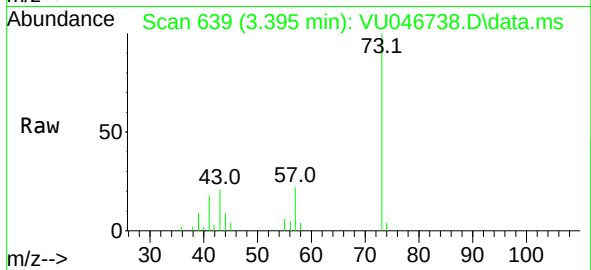




#17
Methyl tert-butyl Ether
Concen: 0.846 ug/L
RT: 3.395 min Scan# 61
Delta R.T. 0.035 min
Lab File: VU046738.D
Acq: 12 Jan 2022 13:28

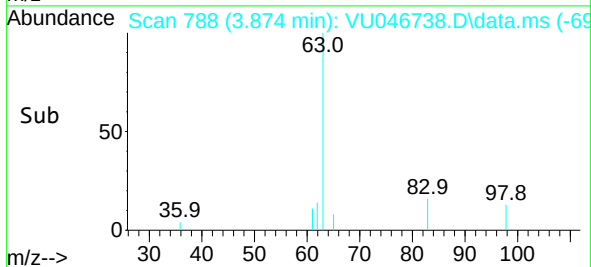
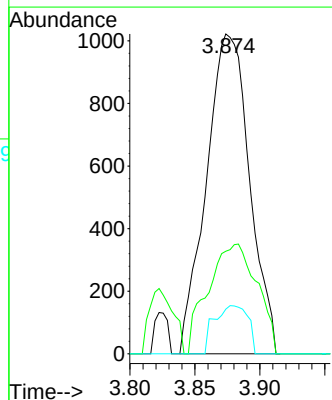
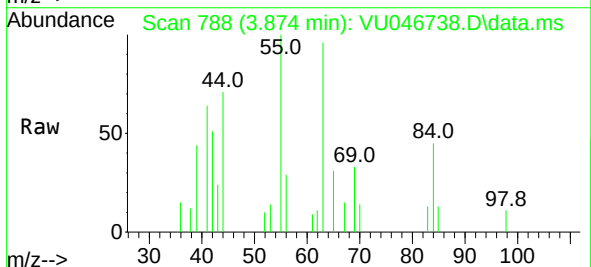
Instrument :
MSVOA_U
ClientSampleId :
BFXW4

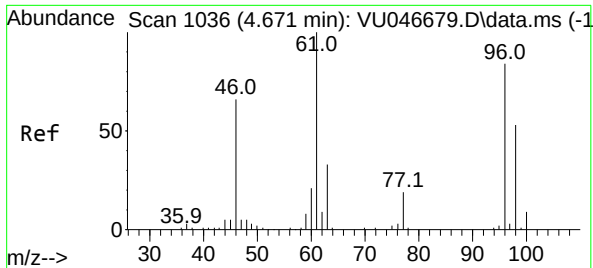
Tgt Ion: 73 Resp: 16795
Ion Ratio Lower Upper
73 100
43 16.3 14.8 22.2
57 13.0 17.4 26.0#



#19
1,1-Dichloroethane
Concen: 0.177 ug/L
RT: 3.874 min Scan# 788
Delta R.T. 0.007 min
Lab File: VU046738.D
Acq: 12 Jan 2022 13:28

Tgt Ion: 63 Resp: 2364
Ion Ratio Lower Upper
63 100
65 32.1 22.3 41.5
83 14.0 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 2.503 ug/L

RT: 4.690 min Scan# 1042

Delta R.T. 0.026 min

Lab File: VU046738.D

Acq: 12 Jan 2022 13:28

Instrument :

MSVOA_U

ClientSampleId :

BFXW4

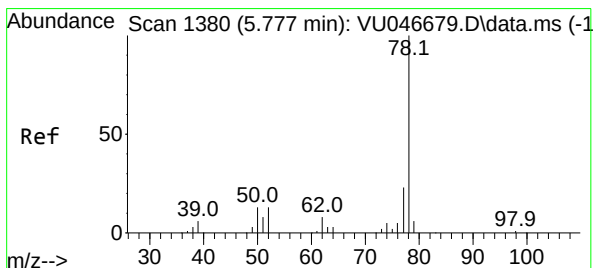
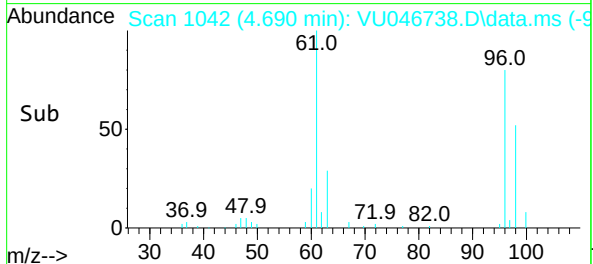
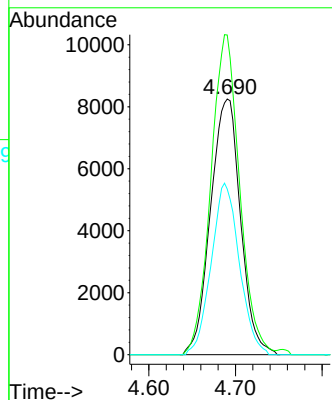
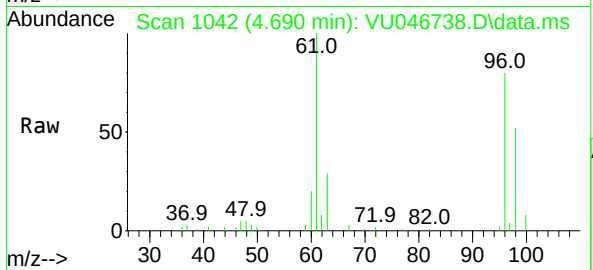
Tgt Ion: 96 Resp: 19858

Ion Ratio Lower Upper

96 100

61 125.1 88.5 164.3

98 64.8 44.4 82.5



#33

Benzene

Concen: 0.780 ug/L

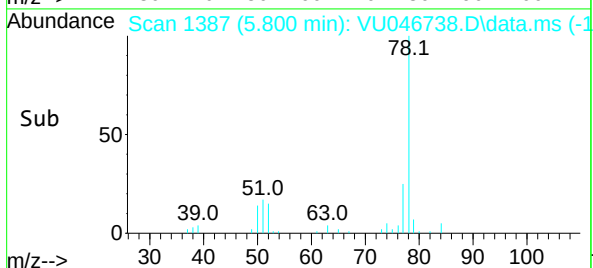
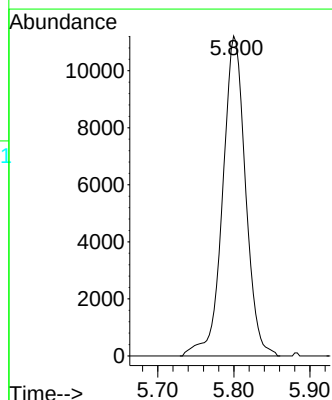
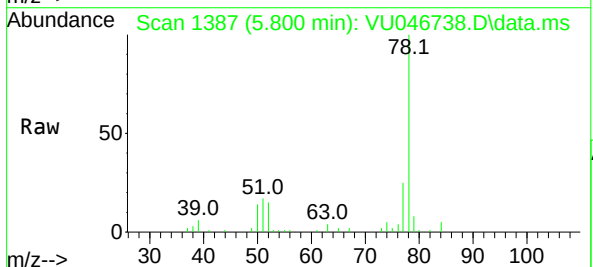
RT: 5.800 min Scan# 1387

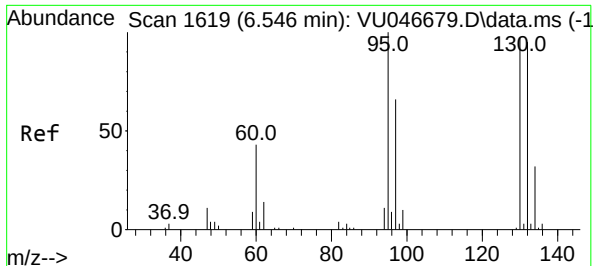
Delta R.T. 0.026 min

Lab File: VU046738.D

Acq: 12 Jan 2022 13:28

Tgt Ion: 78 Resp: 23435

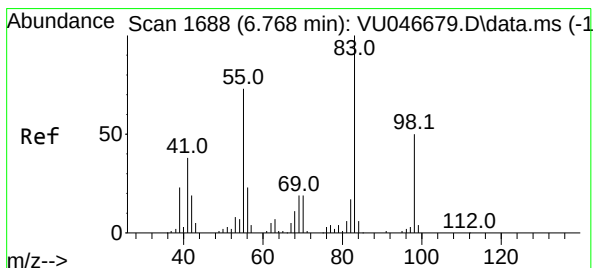
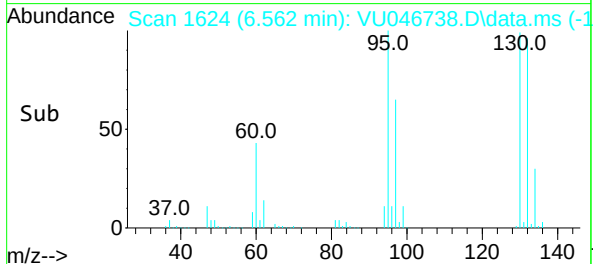
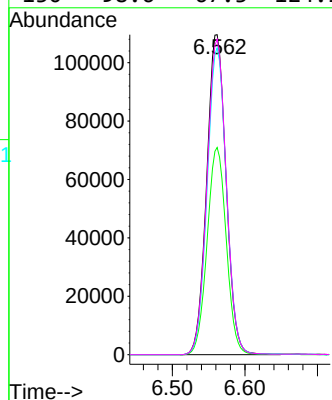
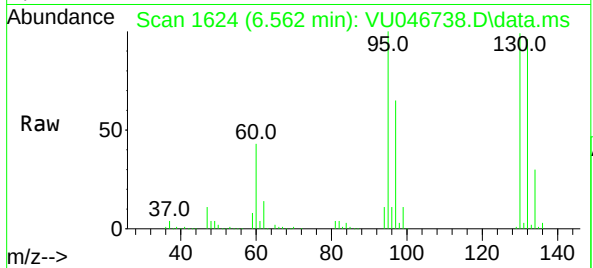




#34
Trichloroethene
Concen: 25.705 ug/L
RT: 6.562 min Scan# 1624
Delta R.T. 0.019 min
Lab File: VU046738.D
Acq: 12 Jan 2022 13:28

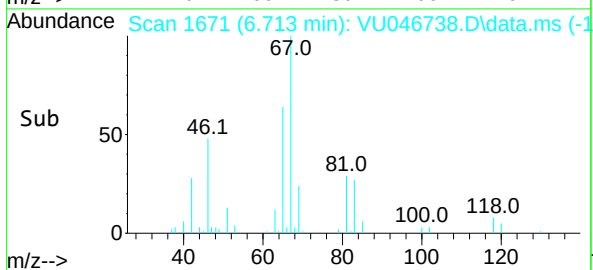
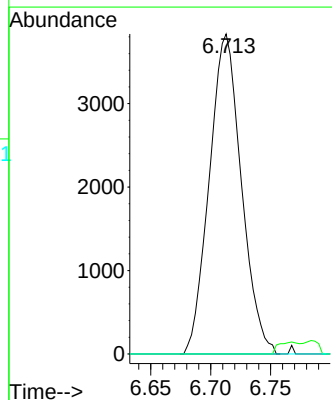
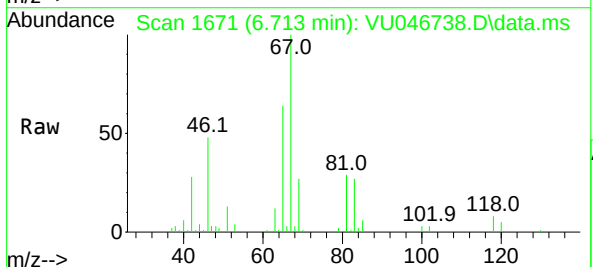
Instrument :
MSVOA_U
ClientSampleId :
BFXW4

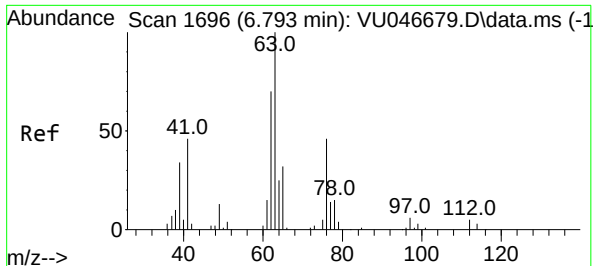
Tgt Ion: 95 Resp: 203640
Ion Ratio Lower Upper
95 100
97 64.7 46.5 86.5
132 95.9 65.1 120.9
130 98.6 67.3 124.9



#35
Methylcyclohexane
Concen: 0.638 ug/L
RT: 6.713 min Scan# 1671
Delta R.T. -0.051 min
Lab File: VU046738.D
Acq: 12 Jan 2022 13:28

Tgt Ion: 83 Resp: 7126
Ion Ratio Lower Upper
83 100
55 2.4 61.9 92.9#
98 0.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.399 ug/L

RT: 6.713 min Scan# 1

Delta R.T. -0.077 min

Lab File: VU046738.D

Acq: 12 Jan 2022 13:28

Instrument :

MSVOA_U

ClientSampleId :

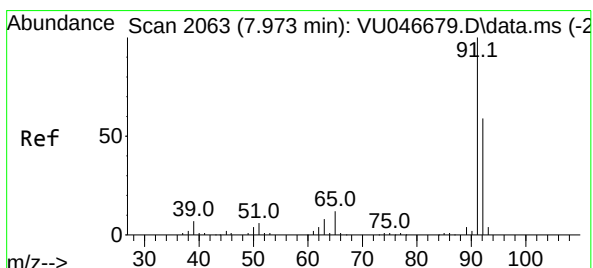
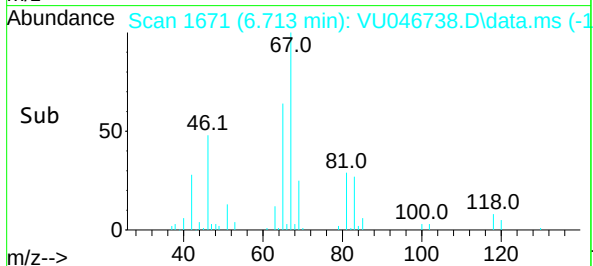
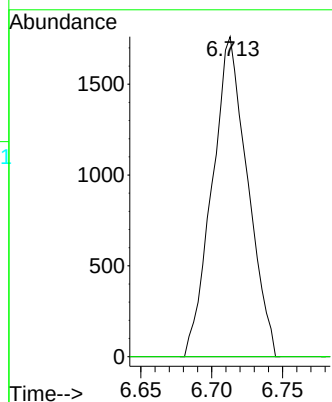
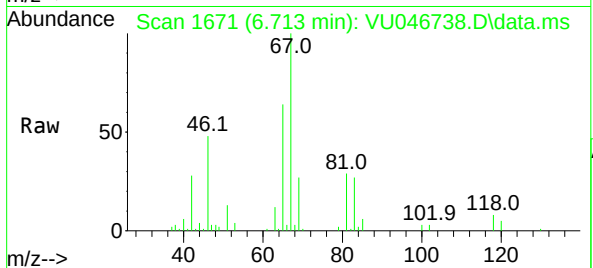
BFXW4

Tgt Ion: 63 Resp: 3056

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#42

Toluene

Concen: 1.067 ug/L

RT: 7.980 min Scan# 2065

Delta R.T. 0.010 min

Lab File: VU046738.D

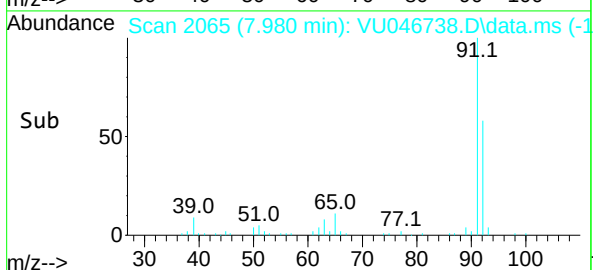
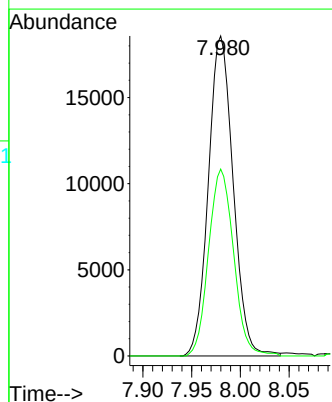
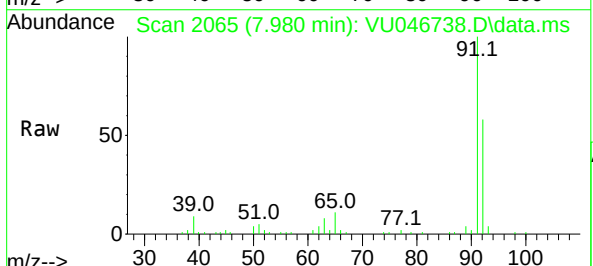
Acq: 12 Jan 2022 13:28

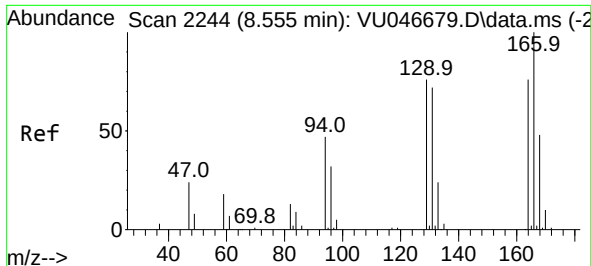
Tgt Ion: 91 Resp: 32903

Ion Ratio Lower Upper

91 100

92 58.4 41.3 76.7

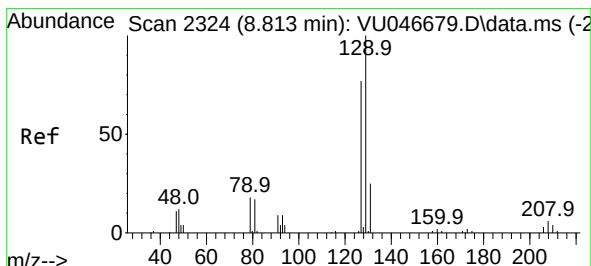
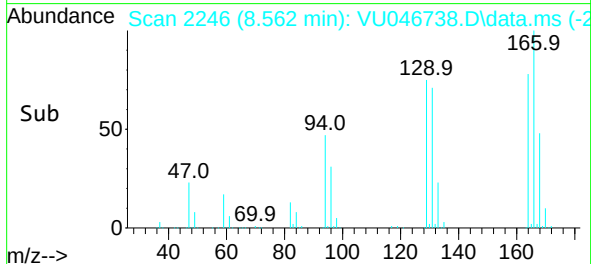
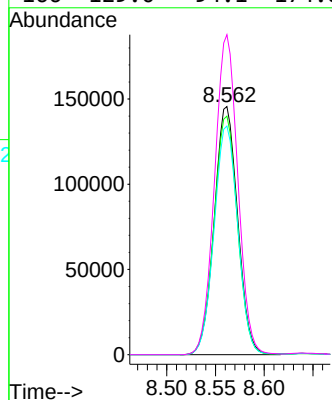
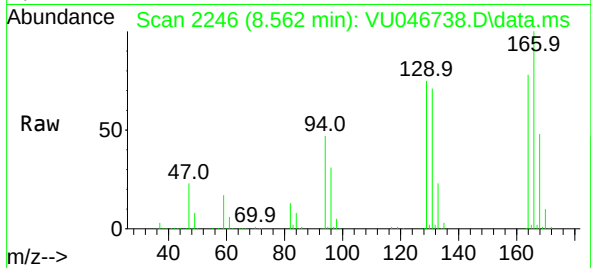




#47
Tetrachloroethene
Concen: 43.457 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.007 min
Lab File: VU046738.D
Acq: 12 Jan 2022 13:28

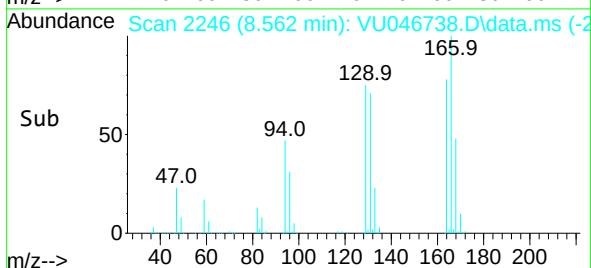
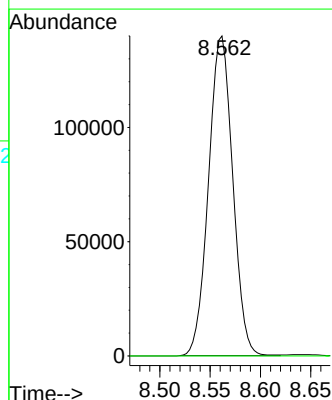
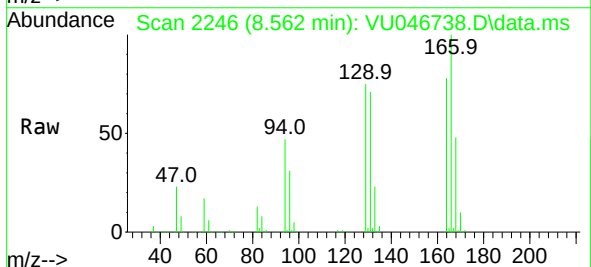
Instrument :
MSVOA_U
ClientSampleId :
BFXW4

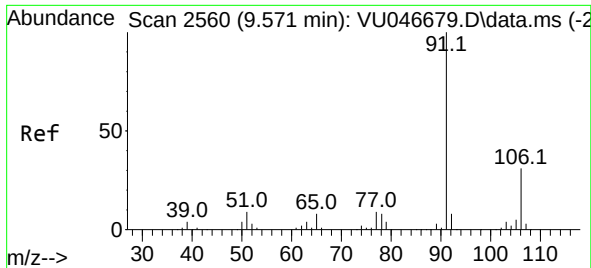
Tgt Ion:164 Resp: 243614
Ion Ratio Lower Upper
164 100
129 96.2 71.8 133.4
131 92.2 68.5 127.3
166 129.0 94.1 174.8



#49
Dibromochloromethane
Concen: 30.707 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.251 min
Lab File: VU046738.D
Acq: 12 Jan 2022 13:28

Tgt Ion:129 Resp: 234150
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#

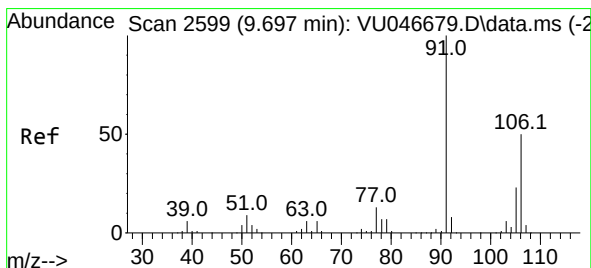
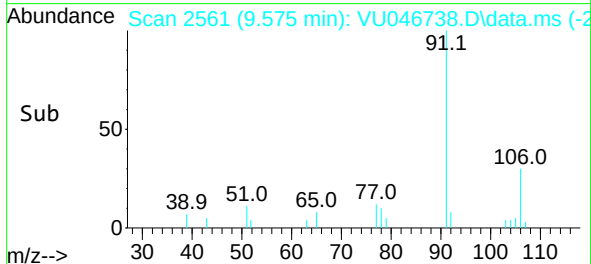
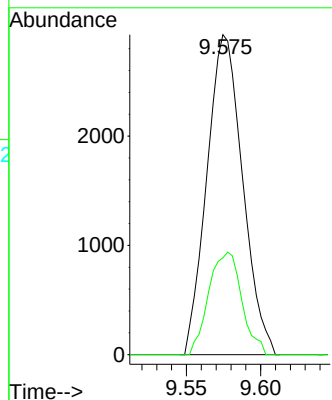
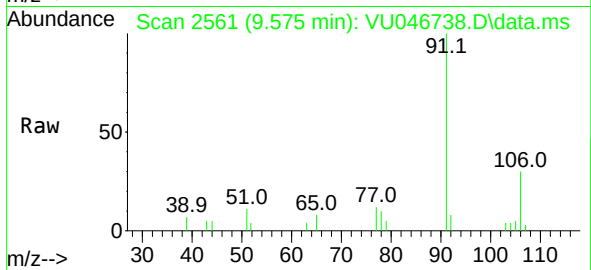




#52
Ethylbenzene
Concen: 0.153 ug/L
RT: 9.575 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU046738.D
Acq: 12 Jan 2022 13:28

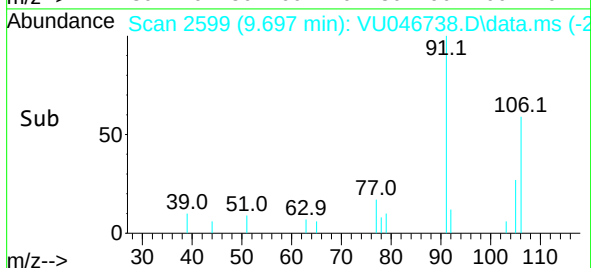
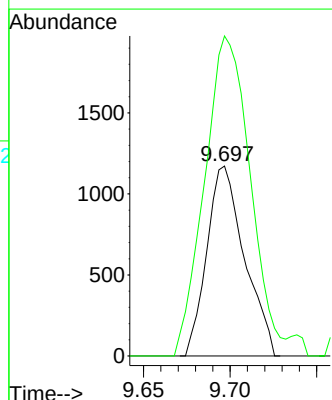
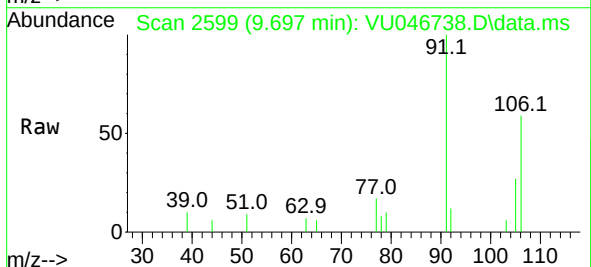
Instrument :
MSVOA_U
ClientSampleId :
BFXW4

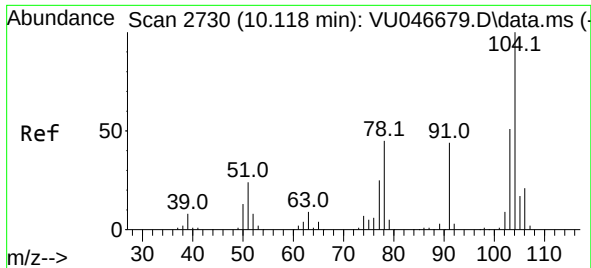
Tgt Ion: 91 Resp: 4892
Ion Ratio Lower Upper
91 100
106 30.3 21.5 39.9



#53
m,p-Xylene
Concen: 0.145 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU046738.D
Acq: 12 Jan 2022 13:28

Tgt Ion: 106 Resp: 1772
Ion Ratio Lower Upper
106 100
91 168.5 139.4 259.0

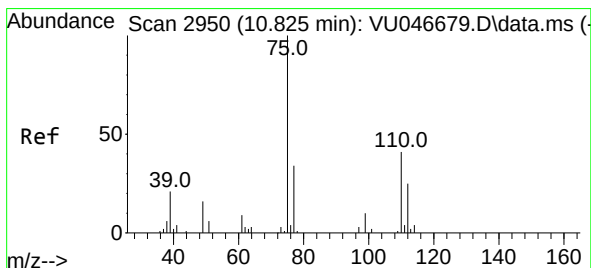
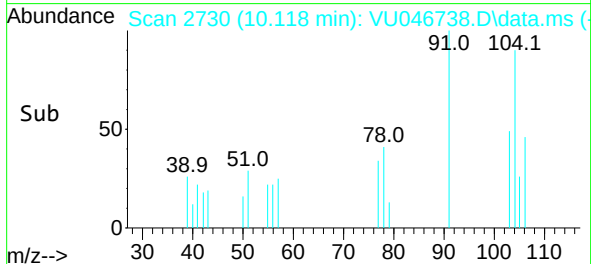
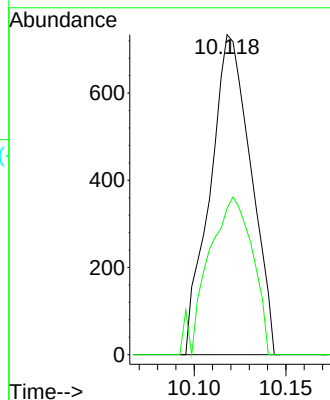
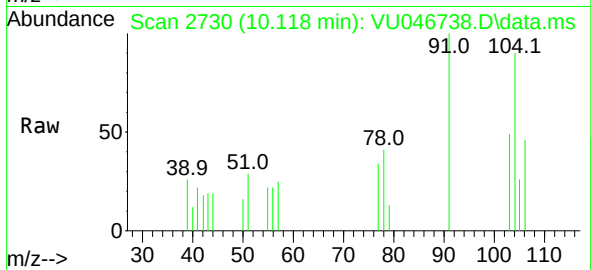




#55
Styrene
Concen: 0.056 ug/L
RT: 10.118 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046738.D
Acq: 12 Jan 2022 13:28

Instrument :
MSVOA_U
ClientSampleId :
BFXW4

Tgt Ion:104 Resp: 1135
Ion Ratio Lower Upper
104 100
78 45.8 33.0 61.4



#61
1,2,3-Trichloropropane
Concen: 0.694 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046738.D
Acq: 12 Jan 2022 13:28

Tgt Ion: 75 Resp: 5260
Ion Ratio Lower Upper
75 100
110 3.0 29.9 44.9#
77 37.2 25.5 38.3

