

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032521\
 Data File : VX021484.D
 Acq On : 25 Mar 2021 14:38
 Operator : JC/MD
 Sample : M1724-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P1679

Quant Time: Mar 25 15:54:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

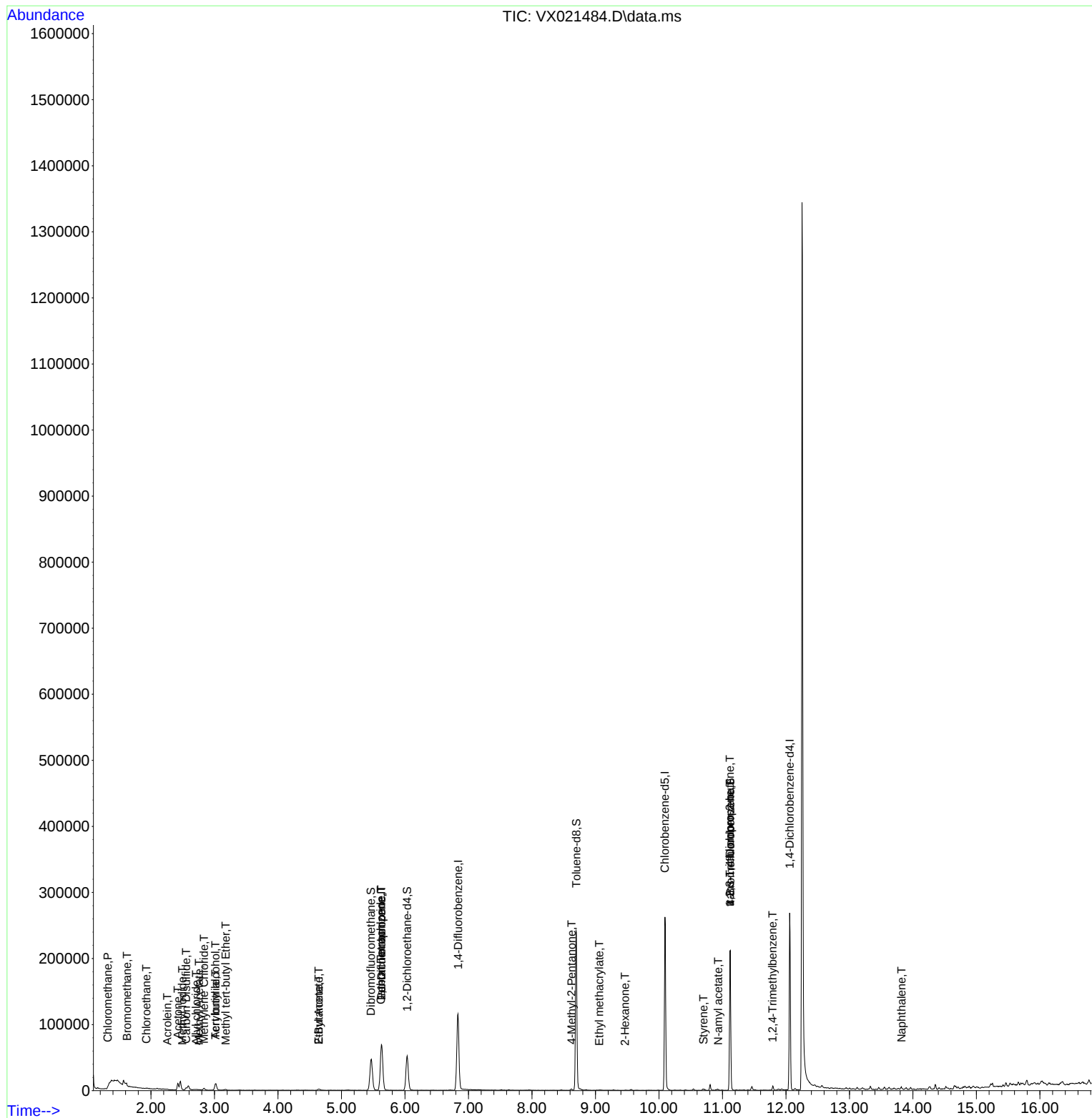
Internal Standards						
1) Pentafluorobenzene	5.629	168	58775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	107895	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	109902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	49692	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	51618	52.78	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.56%	
35) Dibromofluoromethane	5.464	113	38454	50.17	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.34%	
50) Toluene-d8	8.700	98	139816	51.19	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.38%	
62) 4-Bromofluorobenzene	11.123	95	56215	52.94	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.88%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.316	50	4041	5.48	ug/l	97
5) Bromomethane	1.622	94	273	1.03	ug/l #	69
6) Chloroethane	1.928	64	238	0.57	ug/l #	85
10) Methyl Iodide	2.493	142	162	6.94	ug/l #	87
11) Tert butyl alcohol	3.016	59	10049	62.16	ug/l	96
13) Acrolein	2.258	56	66	5.09	ug/l #	1
14) Allyl chloride	2.711	41	415	0.35	ug/l #	70
15) Acrylonitrile	3.016	53	161	0.42	ug/l #	22
16) Acetone	2.422	43	10772	29.13	ug/l	90
17) Carbon Disulfide	2.552	76	5176	3.11	ug/l	96
18) Methyl Acetate	2.758	43	539	0.50	ug/l #	54
19) Methyl tert-butyl Ether	3.175	73	1168	0.53	ug/l	95
20) Methylene Chloride	2.834	84	980	1.36	ug/l #	78
25) 2-Butanone	4.640	43	2960	5.28	ug/l	92
36) 1,1-Dichloropropene	5.629	75	5771	5.46	ug/l #	49
37) Ethyl Acetate	4.640	43	2960	2.42	ug/l #	64
38) Carbon Tetrachloride	5.623	117	6681	5.88	ug/l #	15
51) 4-Methyl-2-Pentanone	8.623	43	1265	1.04	ug/l #	81
56) Ethyl methacrylate	9.058	69	21	2.10	ug/l #	1
59) 2-Hexanone	9.464	43	414	0.45	ug/l #	54
70) Styrene	10.700	104	674	0.28	ug/l	93
74) N-amyl acetate	10.935	43	902	0.53	ug/l #	43
76) 1,2,3-Trichloropropane	11.118	75	31807	27.49	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	31807	83.75	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.788	105	767	0.26	ug/l	79
95) Naphthalene	13.818	128	1962	0.61	ug/l	99

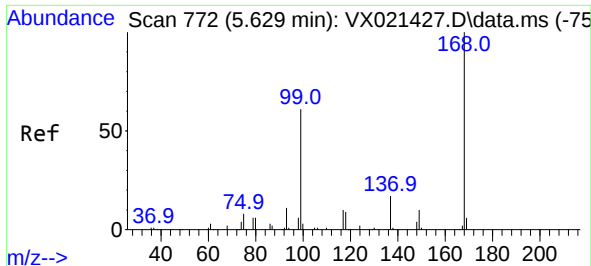
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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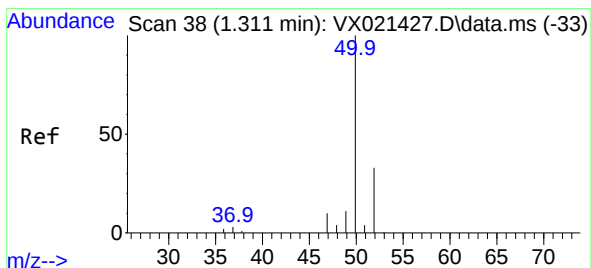
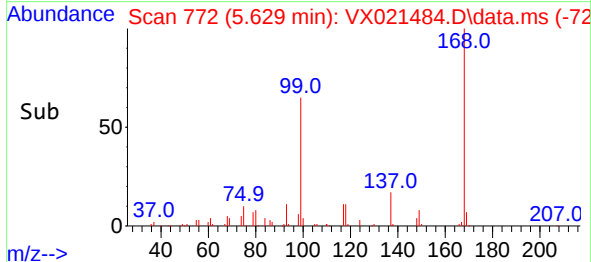
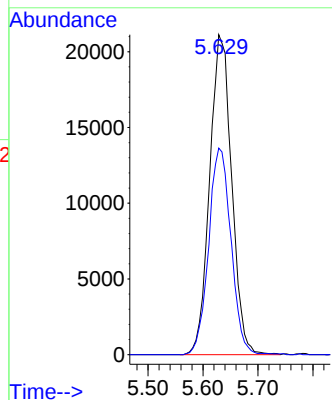
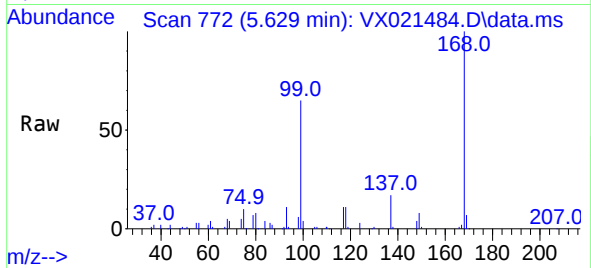




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

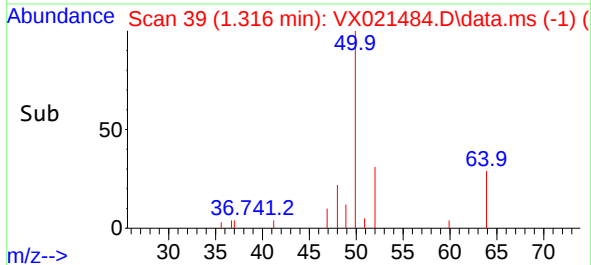
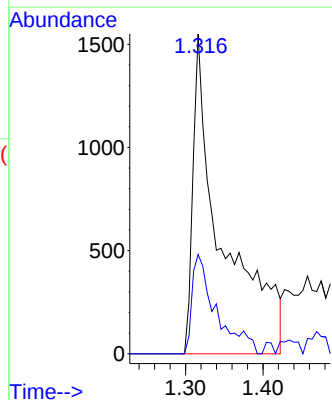
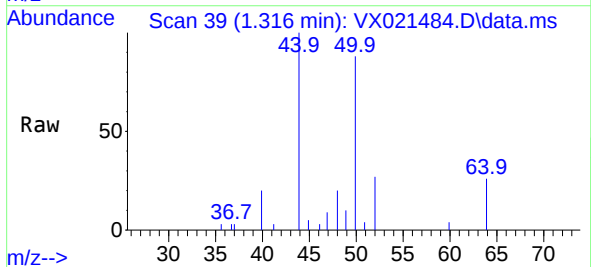
Instrument :
MSVOA_X
ClientSampleId :
P1679

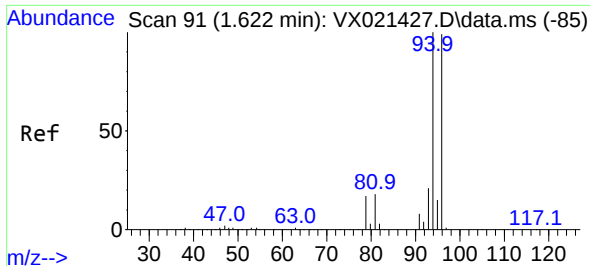
Tgt Ion:168 Resp: 58775
Ion Ratio Lower Upper
168 100
99 64.5 45.8 68.6



#3
Chloromethane
Concen: 5.48 ug/l
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

Tgt Ion: 50 Resp: 4041
Ion Ratio Lower Upper
50 100
52 31.1 26.4 39.6

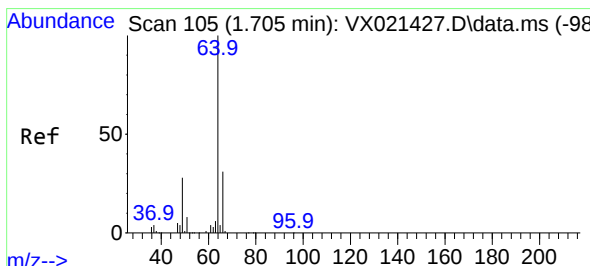
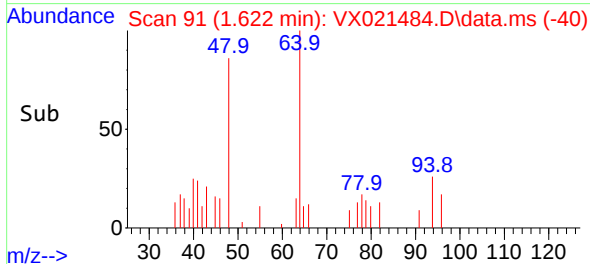
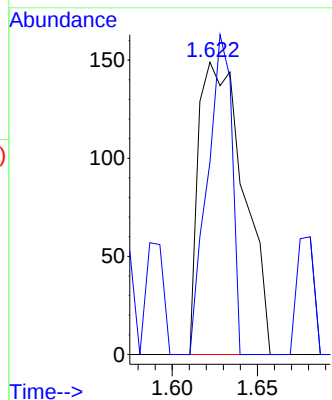
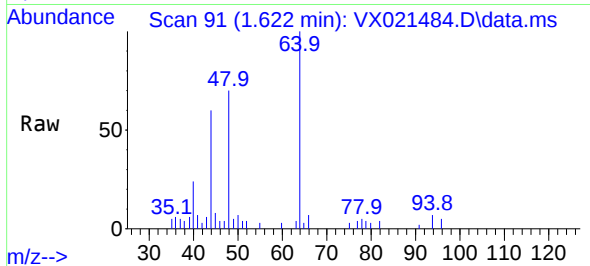




#5
Bromomethane
Concen: 1.03 ug/l
RT: 1.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

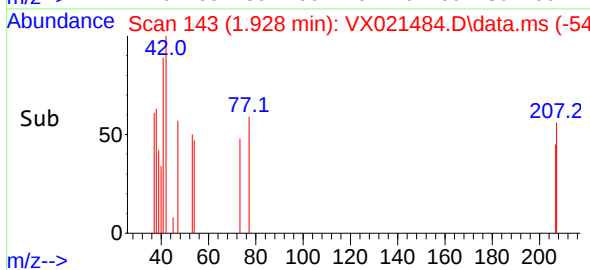
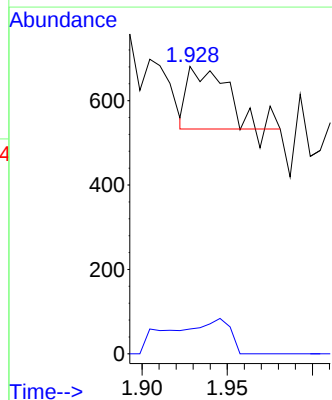
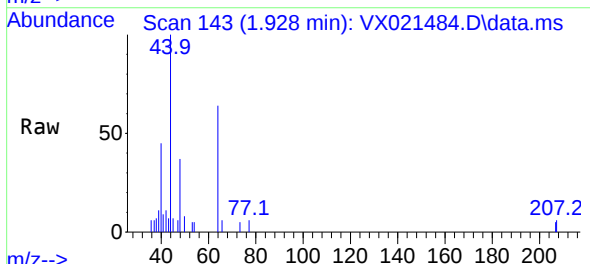
Instrument :
MSVOA_X
ClientSampleId :
P1679

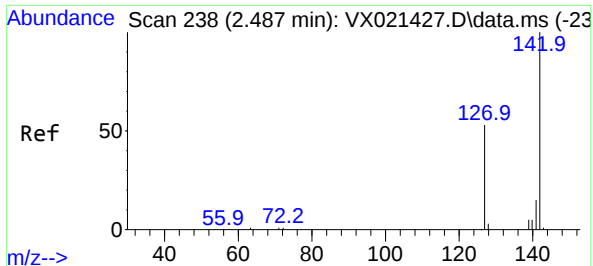
Tgt Ion: 94 Resp: 273
Ion Ratio Lower Upper
94 100
96 65.8 76.4 114.6#



#6
Chloroethane
Concen: 0.57 ug/l
RT: 1.928 min Scan# 143
Delta R.T. 0.223 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

Tgt Ion: 64 Resp: 238
Ion Ratio Lower Upper
64 100
66 39.9 25.4 38.0#

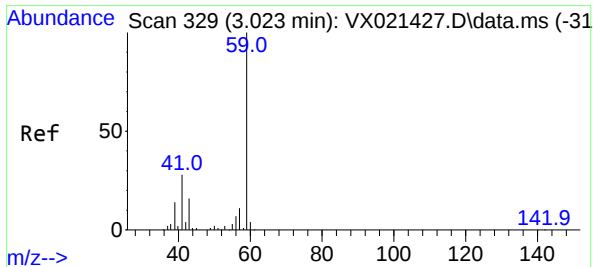
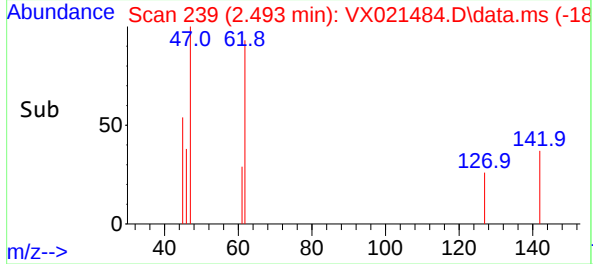
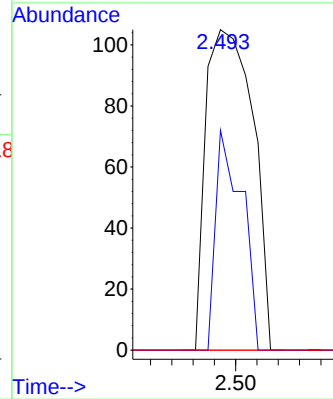
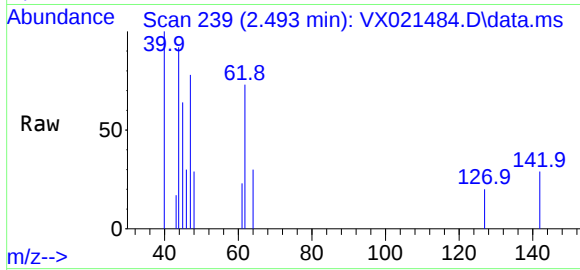




#10
Methyl Iodide
Concen: 6.94 ug/l
RT: 2.493 min Scan# 239
Delta R.T. 0.006 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

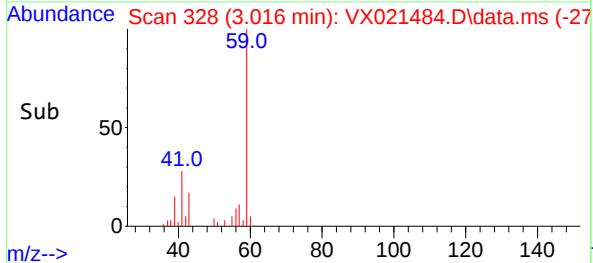
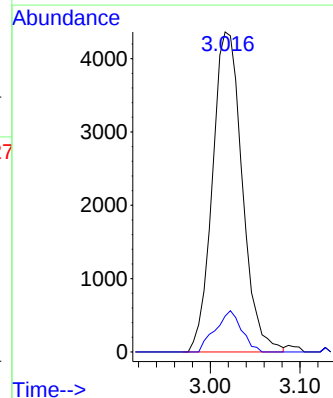
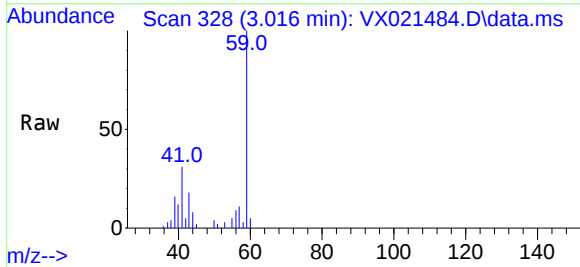
Instrument :
MSVOA_X
ClientSampleId :
P1679

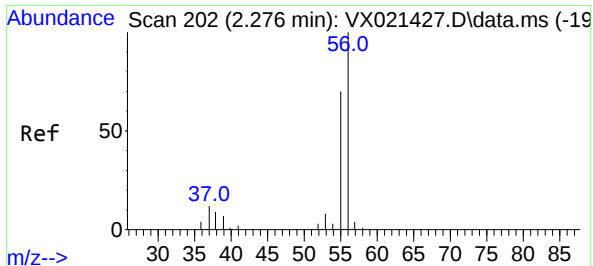
Tgt Ion:	142	Resp:	162
Ion	Ratio	Lower	Upper
142	100		
127	38.3	33.3	49.9
141	0.0	11.4	17.0#



#11
Tert butyl alcohol
Concen: 62.16 ug/l
RT: 3.016 min Scan# 328
Delta R.T. -0.007 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

Tgt Ion:	59	Resp:	10049
Ion	Ratio	Lower	Upper
59	100		
57	11.3	7.8	11.8

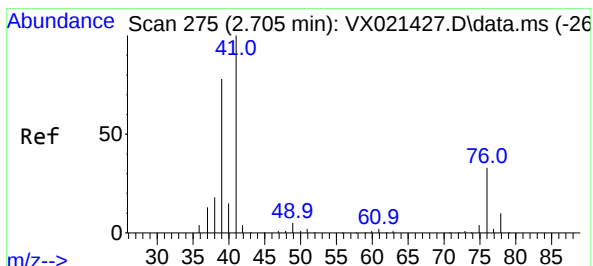
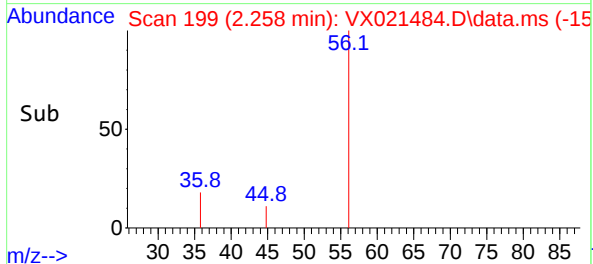
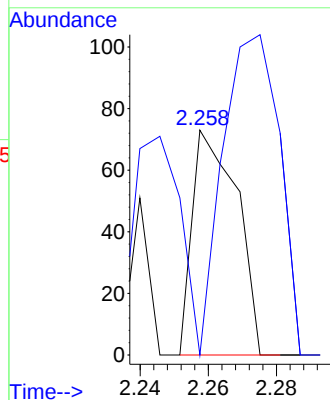
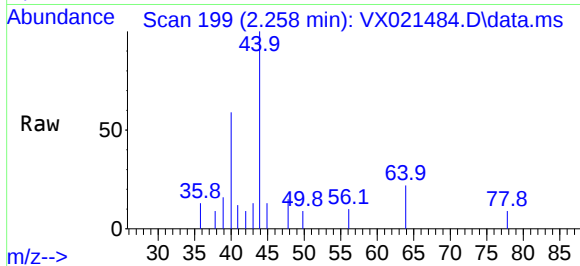




#13
Acrolein
Concen: 5.09 ug/l
RT: 2.258 min Scan# 199
Delta R.T. -0.018 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

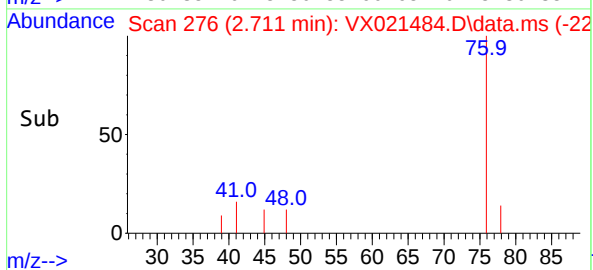
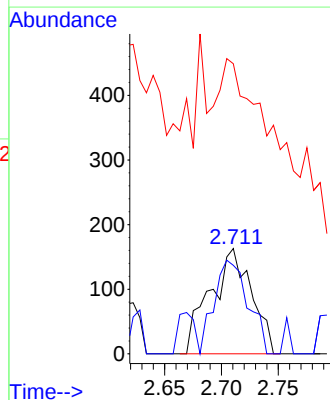
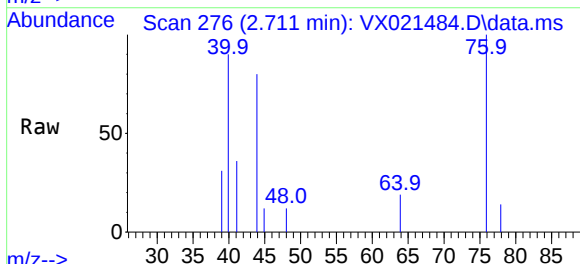
Instrument :
MSVOA_X
ClientSampled :
P1679

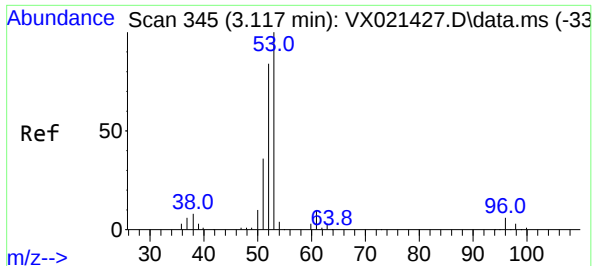
Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 180.3 56.4 84.6#



#14
Allyl chloride
Concen: 0.35 ug/l
RT: 2.711 min Scan# 276
Delta R.T. 0.006 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

Tgt Ion: 41 Resp: 415
Ion Ratio Lower Upper
41 100
39 72.5 51.6 77.4
76 0.0 30.5 45.7#

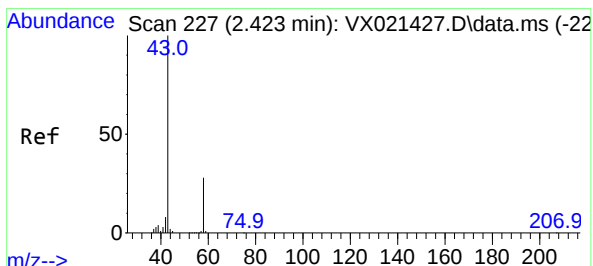
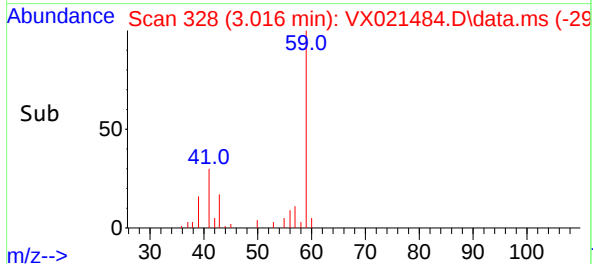
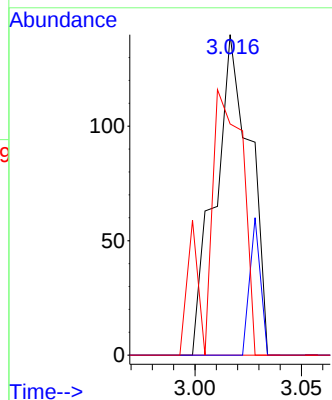
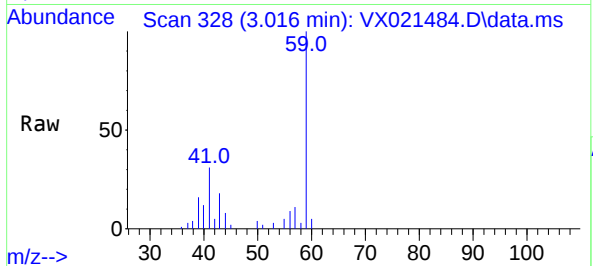




#15
Acrylonitrile
Concen: 0.42 ug/l
RT: 3.016 min Scan# 328
Delta R.T. -0.101 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

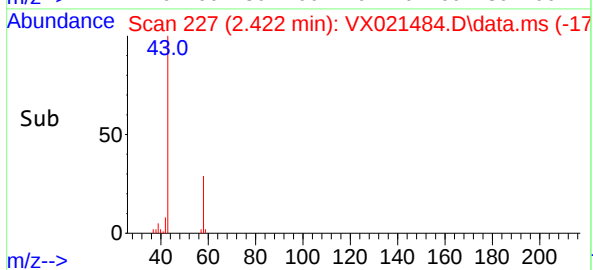
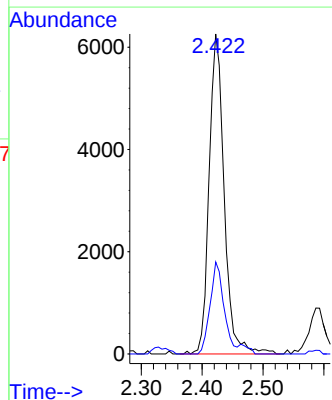
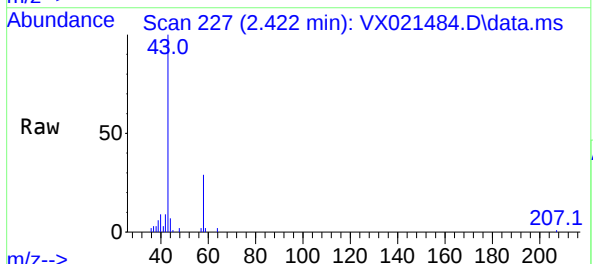
Instrument :
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ClientSampleId :
P1679

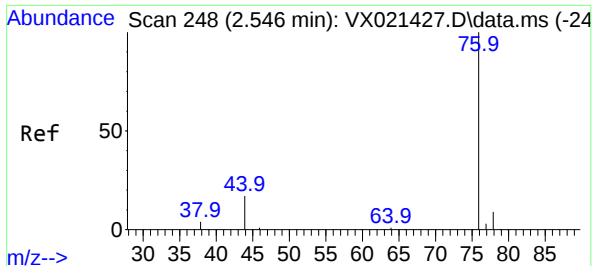
Tgt Ion: 53	Resp:	161
Ion	Ratio	Lower Upper
53	100	
52	13.0	65.3 97.9#
51	82.0	28.2 42.2#



#16
Acetone
Concen: 29.13 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

Tgt Ion: 43	Resp:	10772
Ion	Ratio	Lower Upper
43	100	
58	28.8	27.8 41.8

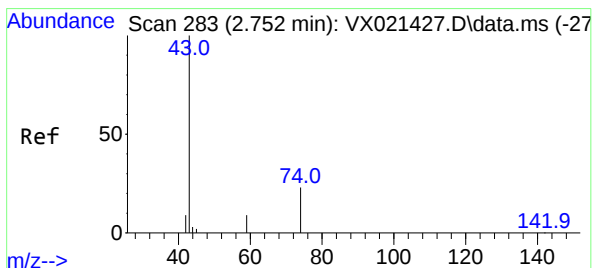
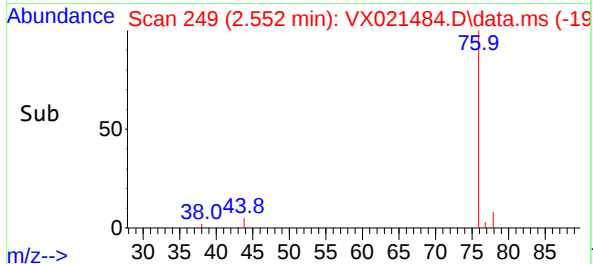
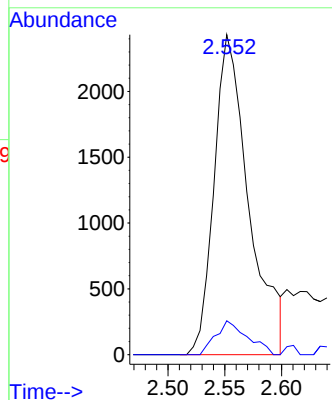
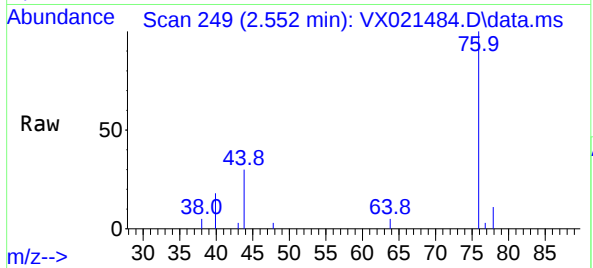




#17
Carbon Disulfide
Concen: 3.11 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.006 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

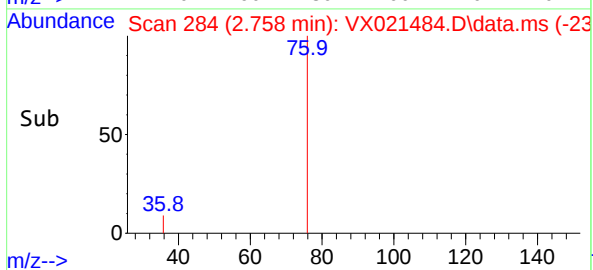
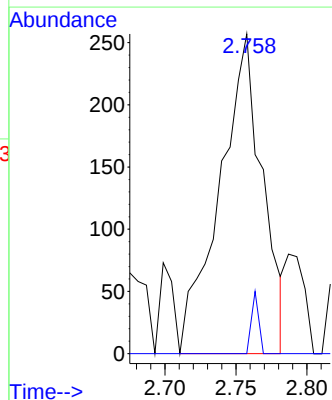
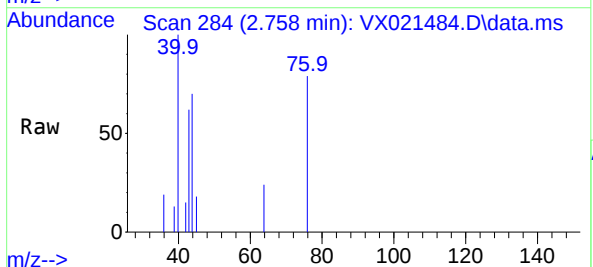
Instrument :
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ClientSampled :
P1679

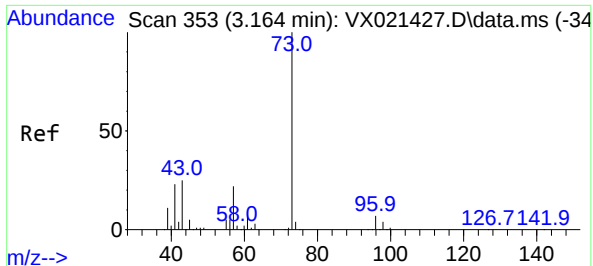
Tgt Ion: 76 Resp: 5176
Ion Ratio Lower Upper
76 100
78 10.6 7.2 10.8



#18
Methyl Acetate
Concen: 0.50 ug/l
RT: 2.758 min Scan# 284
Delta R.T. 0.006 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

Tgt Ion: 43 Resp: 539
Ion Ratio Lower Upper
43 100
74 3.3 21.9 32.9#



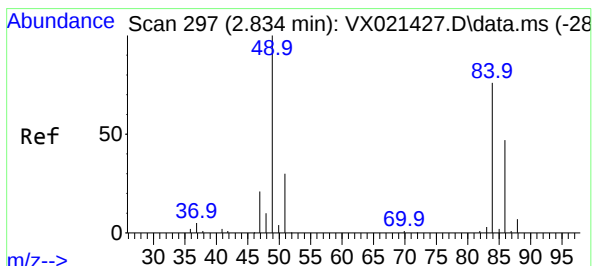
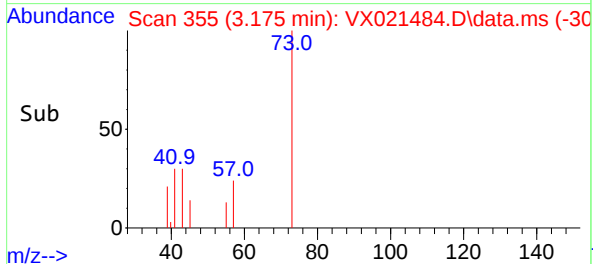
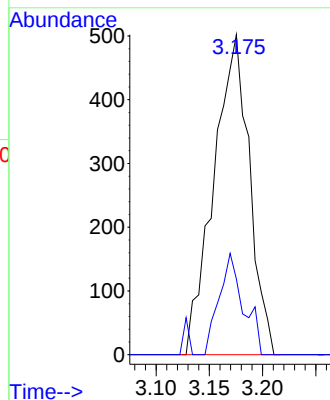
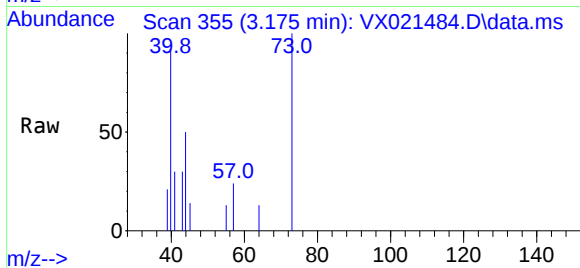


#19

Methyl tert-butyl Ether
Concen: 0.53 ug/l
RT: 3.175 min Scan# 355
Delta R.T. 0.011 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

Instrument :
MSVOA_X
ClientSampled :
P1679

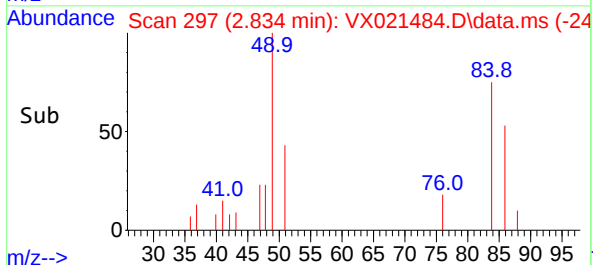
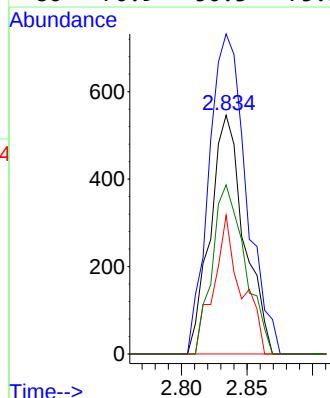
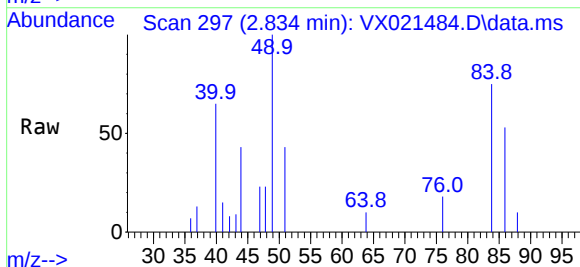
Tgt Ion: 73 Resp: 1168
Ion Ratio Lower Upper
73 100
57 23.7 17.1 25.7

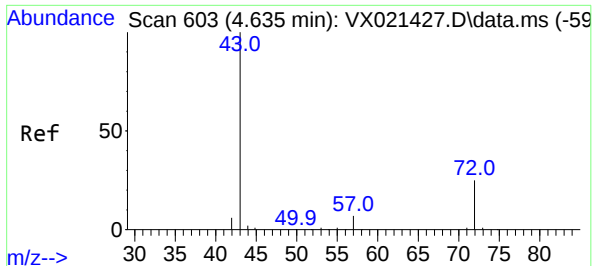


#20

Methylene Chloride
Concen: 1.36 ug/l
RT: 2.834 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

Tgt Ion: 84 Resp: 980
Ion Ratio Lower Upper
84 100
49 134.1 88.6 132.8#
51 58.1 27.0 40.6#
86 70.9 50.3 75.5

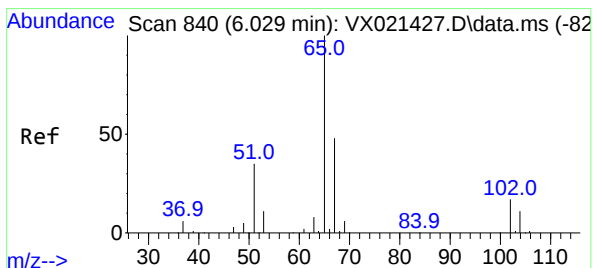
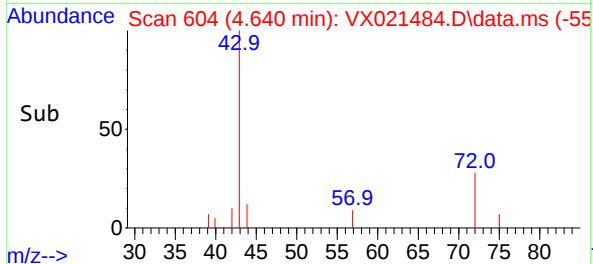
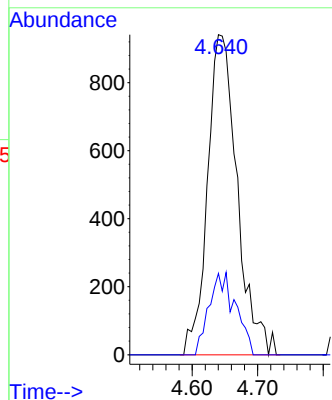
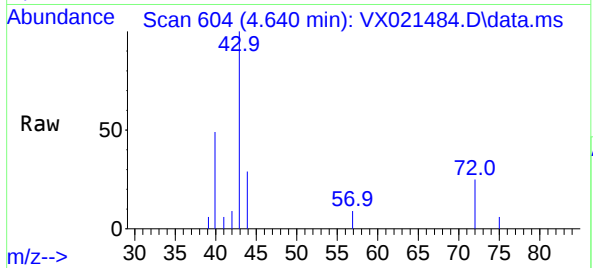




#25
2-Butanone
Concen: 5.28 ug/l
RT: 4.640 min Scan# 604
Delta R.T. 0.005 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

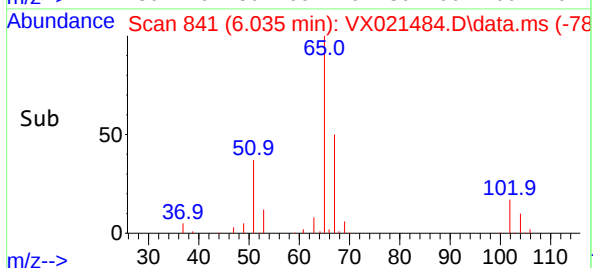
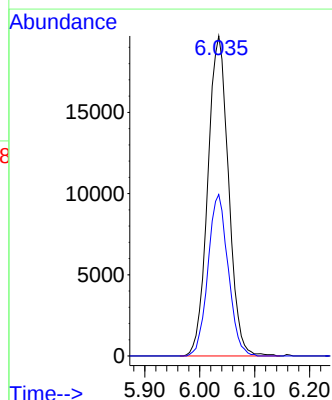
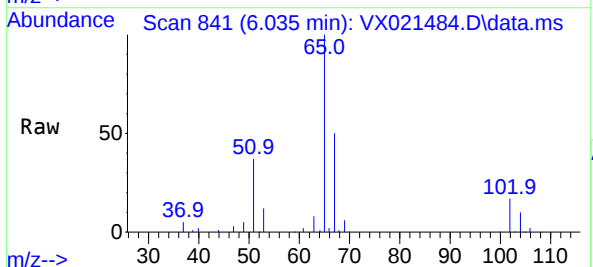
Instrument :
MSVOA_X
ClientSampled :
P1679

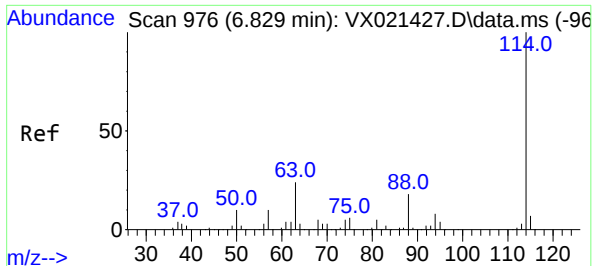
Tgt Ion: 43 Resp: 2960
Ion Ratio Lower Upper
43 100
72 25.4 23.7 35.5



#33
1,2-Dichloroethane-d4
Concen: 52.78 ug/l
RT: 6.035 min Scan# 841
Delta R.T. 0.006 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

Tgt Ion: 65 Resp: 51618
Ion Ratio Lower Upper
65 100
67 49.1 0.0 105.4

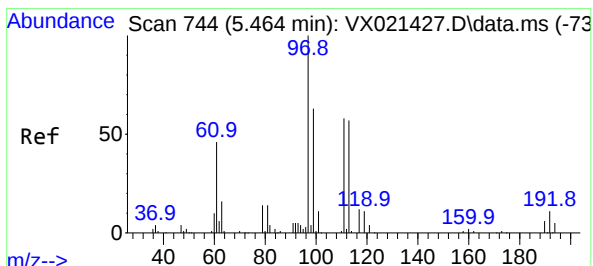
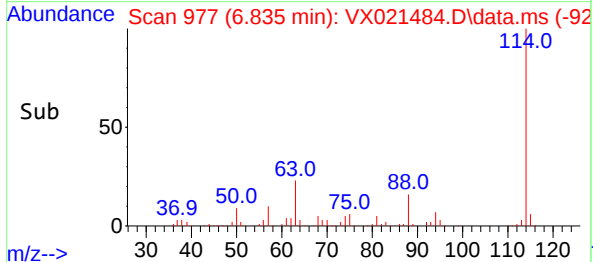
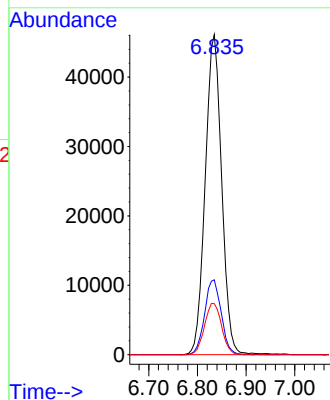
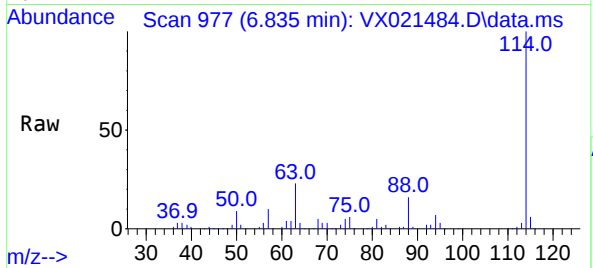




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.835 min Scan# 977
Delta R.T. 0.006 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

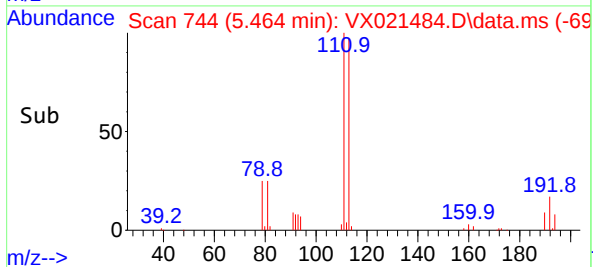
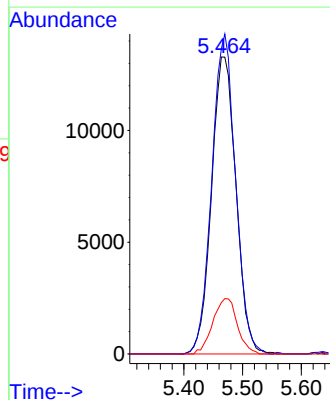
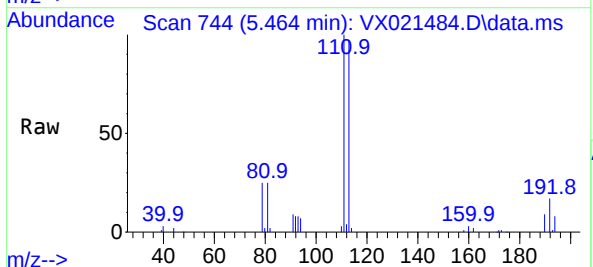
Instrument :
MSVOA_X
ClientSampleId :
P1679

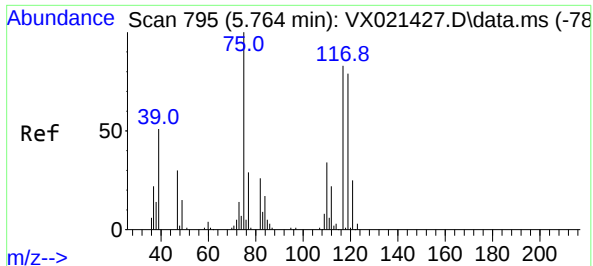
Tgt Ion:114 Resp: 107895
Ion Ratio Lower Upper
114 100
63 23.4 0.0 40.8
88 15.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.17 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

Tgt Ion:113 Resp: 38454
Ion Ratio Lower Upper
113 100
111 104.4 81.9 122.9
192 18.6 16.7 25.1



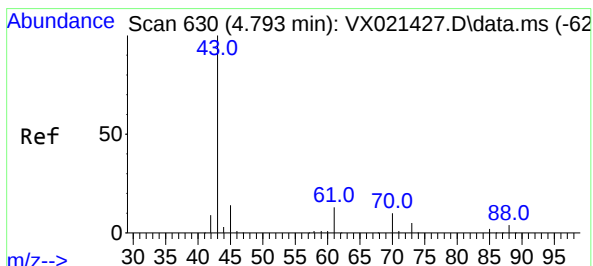
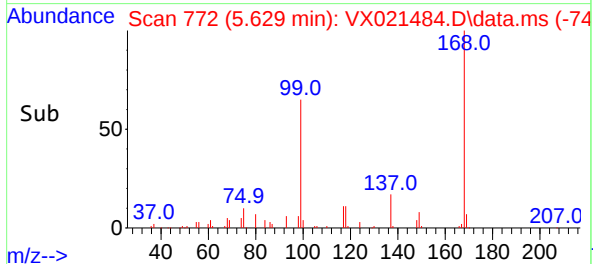
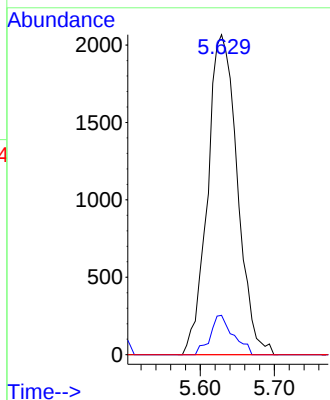
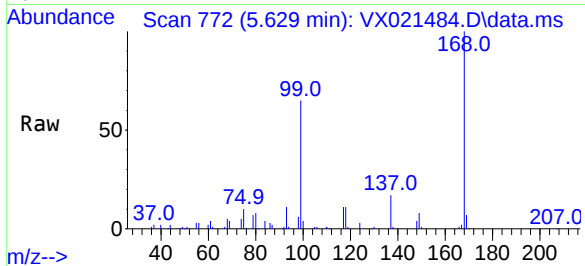


#36
1,1-Dichloropropene
Concen: 5.46 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

Instrument :
MSVOA_X
ClientSampleId :
P1679

Tgt Ion: 75 Resp: 5771

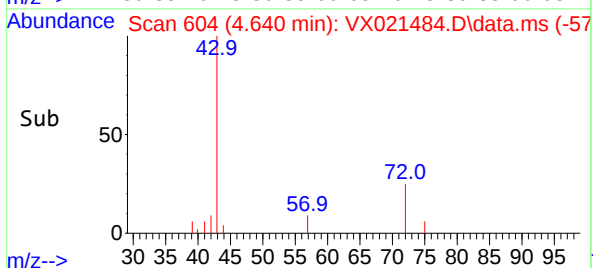
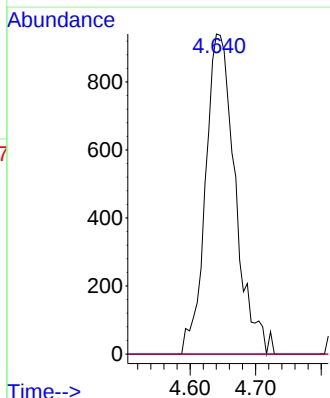
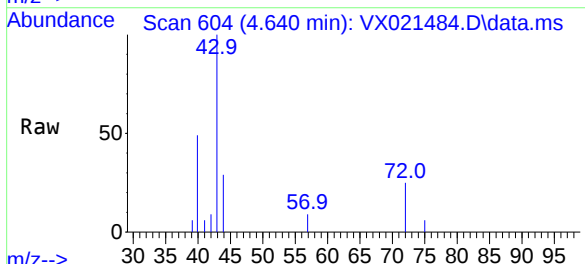
Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.1	54.4#
77	0.0	25.3	37.9#

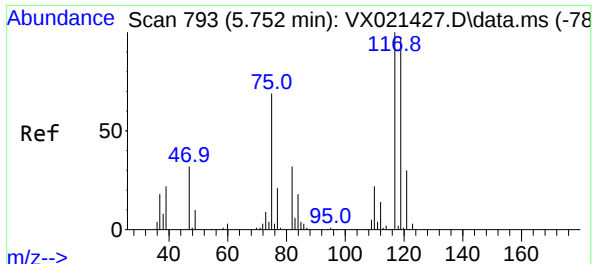


#37
Ethyl Acetate
Concen: 2.42 ug/l
RT: 4.640 min Scan# 604
Delta R.T. -0.153 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

Tgt Ion: 43 Resp: 2960

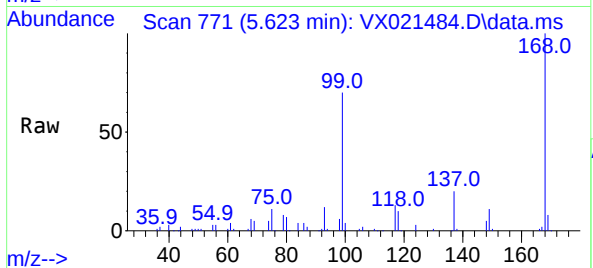
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



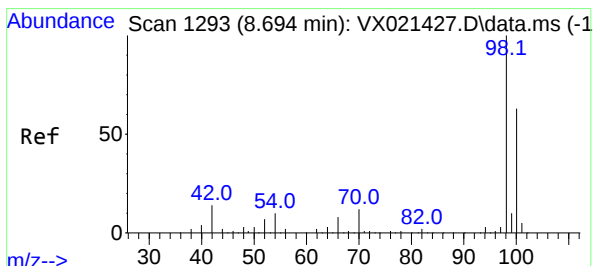
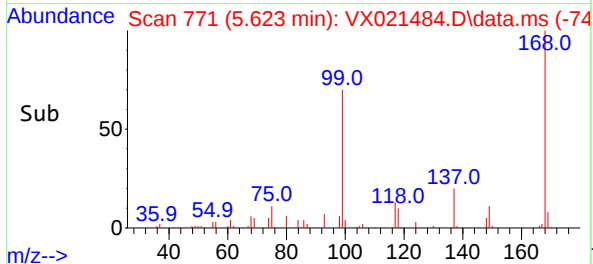
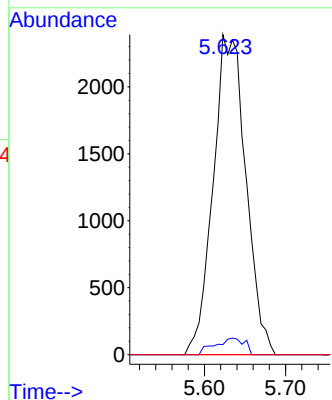


#38
Carbon Tetrachloride
Concen: 5.88 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.129 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

Instrument :
MSVOA_X
ClientSampleId :
P1679

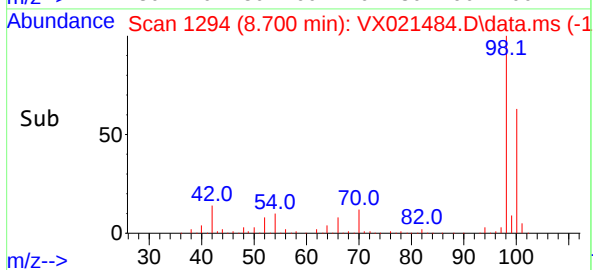
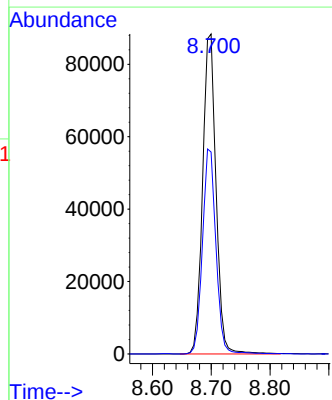
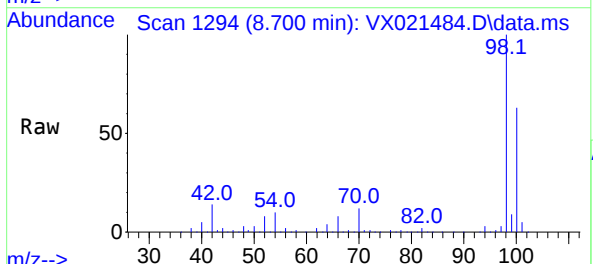


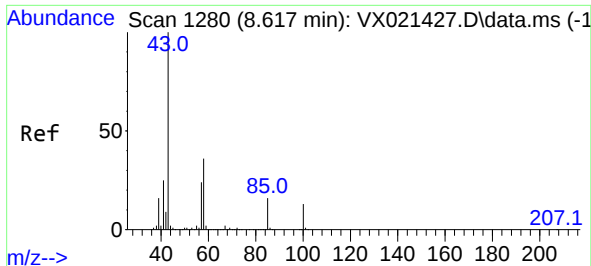
Tgt Ion:117 Resp: 6681
Ion Ratio Lower Upper
117 100
119 3.1 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.19 ug/l
RT: 8.700 min Scan# 1294
Delta R.T. 0.006 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

Tgt Ion: 98 Resp: 139816
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9

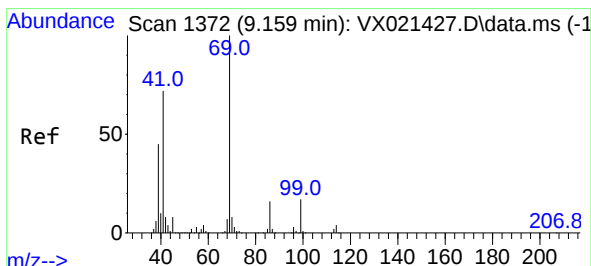
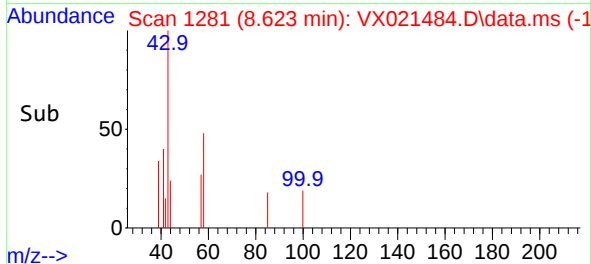
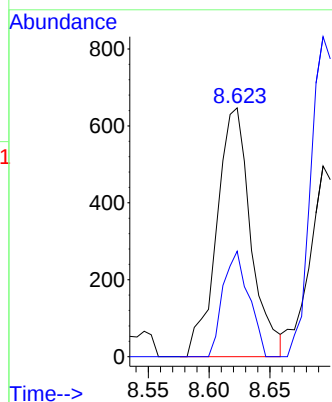
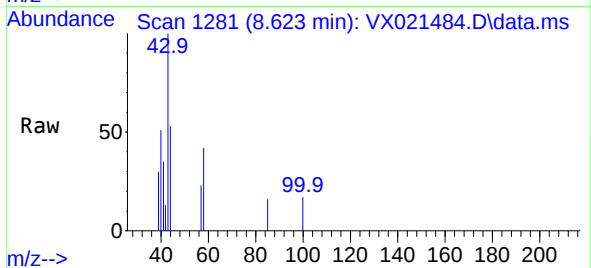




#51
4-Methyl-2-Pentanone
Concen: 1.04 ug/l
RT: 8.623 min Scan# 1281
Delta R.T. 0.006 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

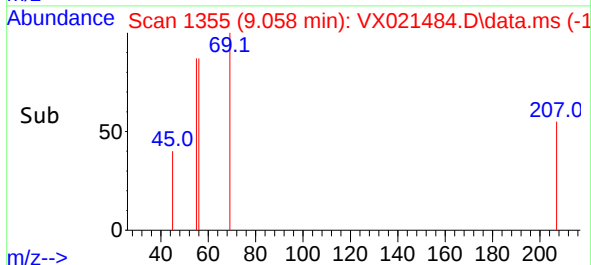
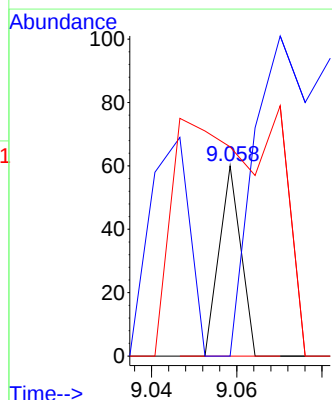
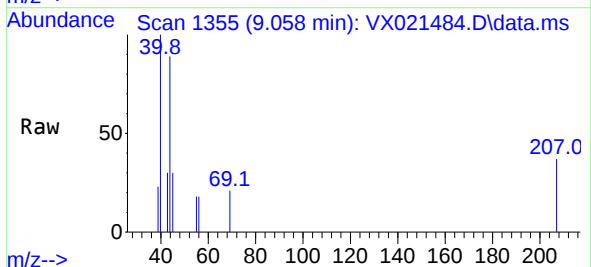
Instrument :
MSVOA_X
ClientSampled :
P1679

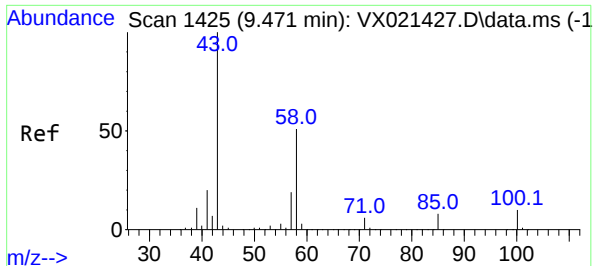
Tgt Ion: 43 Resp: 1265
Ion Ratio Lower Upper
43 100
58 32.0 35.4 53.0#



#56
Ethyl methacrylate
Concen: 2.10 ug/l
RT: 9.058 min Scan# 1355
Delta R.T. -0.101 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

Tgt Ion: 69 Resp: 21
Ion Ratio Lower Upper
69 100
41 890.5 46.8 70.2#
39 585.7 24.7 37.1#

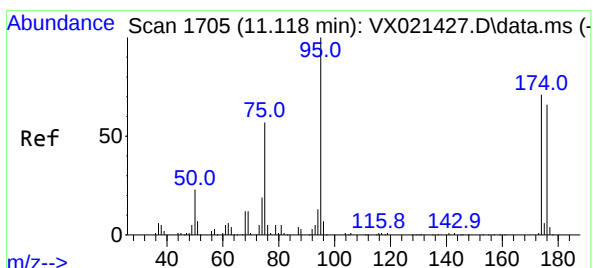
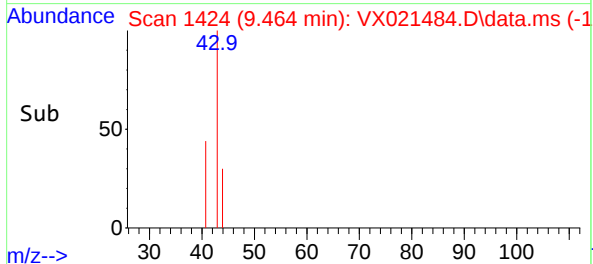
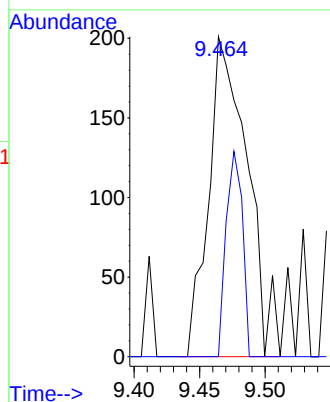
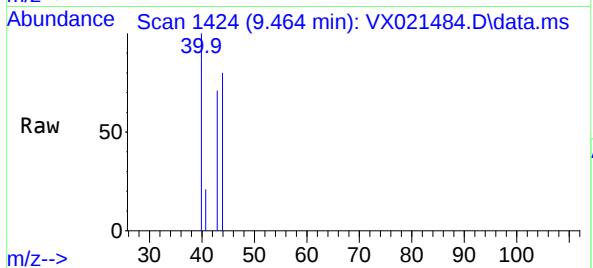




#59
2-Hexanone
Concen: 0.45 ug/l
RT: 9.464 min Scan# 1424
Delta R.T. -0.007 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

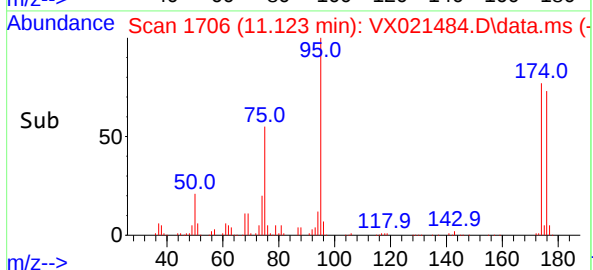
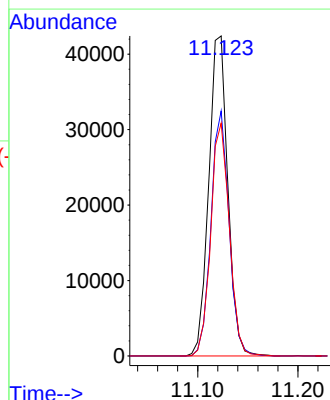
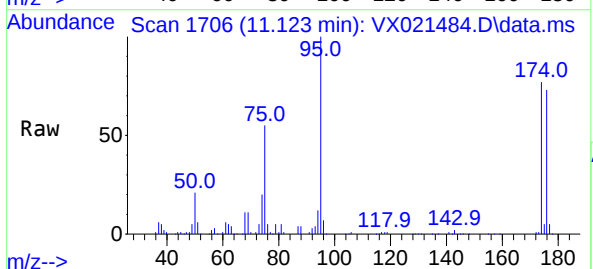
Instrument :
MSVOA_X
ClientSampleId :
P1679

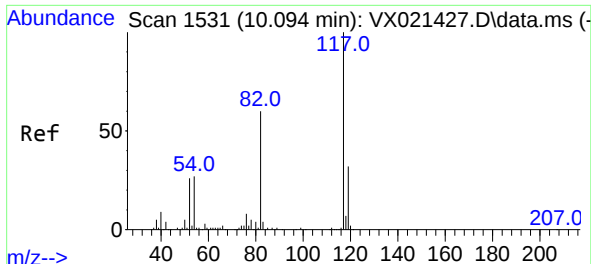
Tgt Ion: 43 Resp: 414
Ion Ratio Lower Upper
43 100
58 26.8 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 52.94 ug/l
RT: 11.123 min Scan# 1706
Delta R.T. 0.005 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

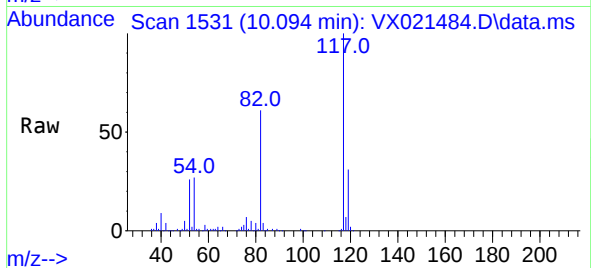
Tgt Ion: 95 Resp: 56215
Ion Ratio Lower Upper
95 100
174 72.3 0.0 154.6
176 70.7 0.0 155.8



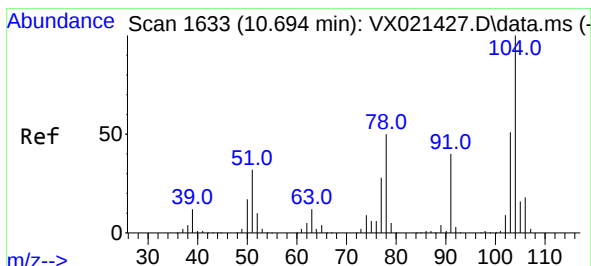
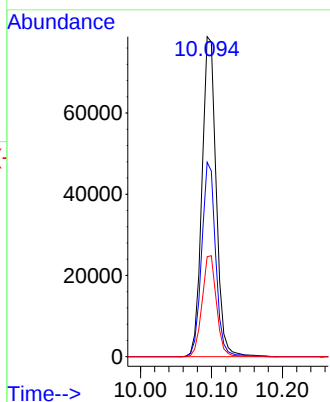
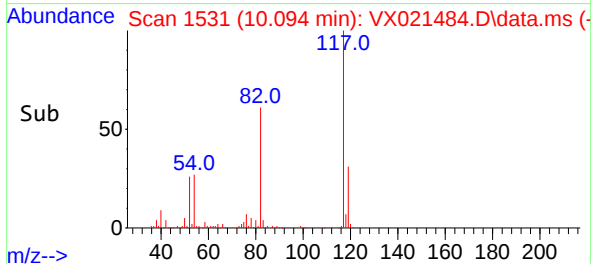


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

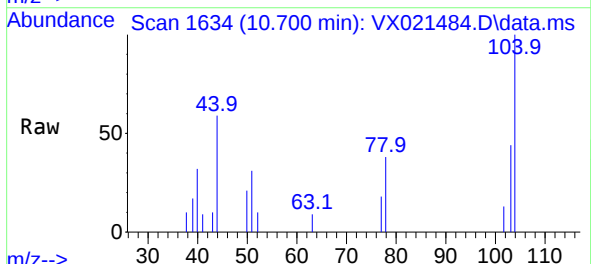
Instrument :
MSVOA_X
ClientSampleId :
P1679



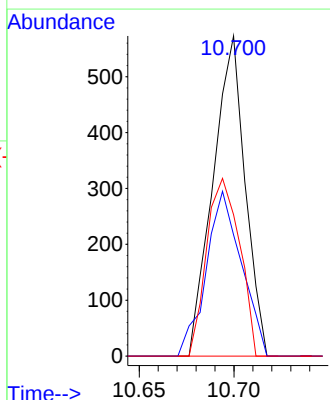
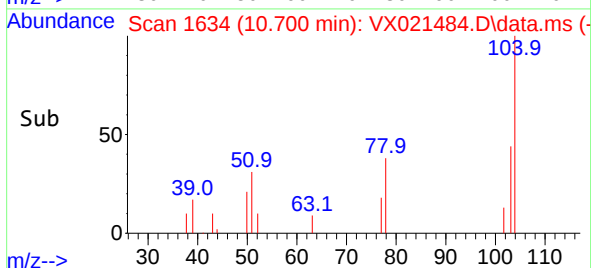
Tgt Ion:117 Resp: 109902
Ion Ratio Lower Upper
117 100
82 60.8 47.4 71.2
119 31.3 26.6 39.8

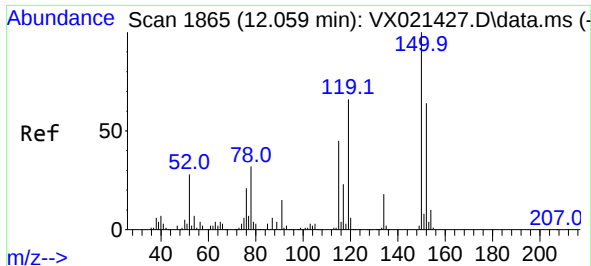


#70
Styrene
Concen: 0.28 ug/l
RT: 10.700 min Scan# 1634
Delta R.T. 0.006 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38



Tgt Ion:104 Resp: 674
Ion Ratio Lower Upper
104 100
78 56.7 40.0 60.0
103 57.0 43.4 65.0

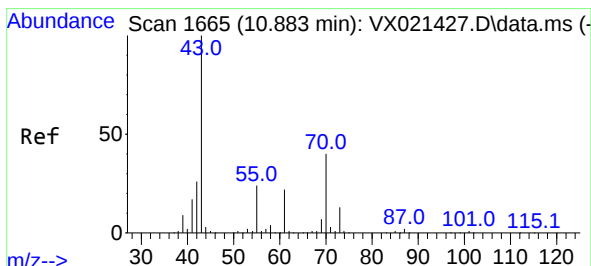
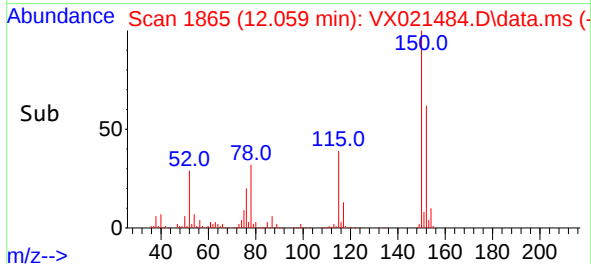
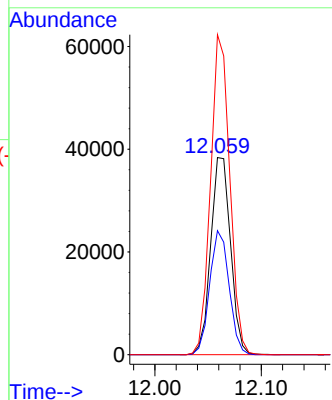
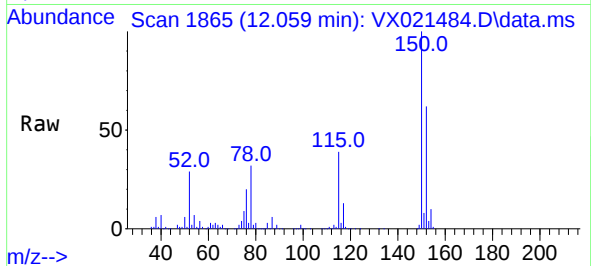




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.000 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

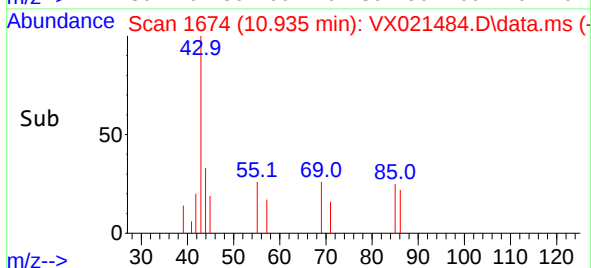
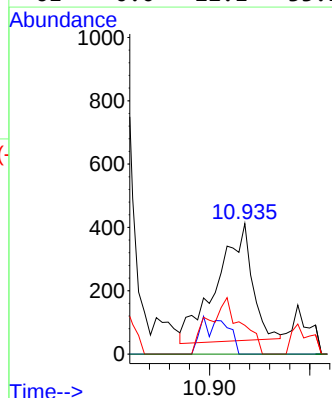
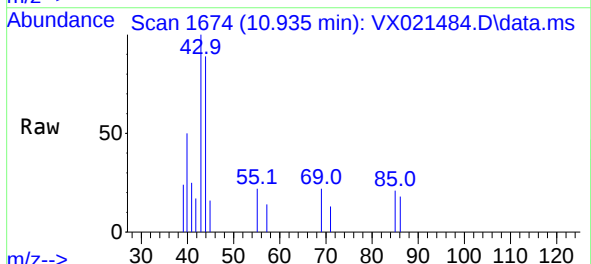
Instrument :
MSVOA_X
ClientSampleId :
P1679

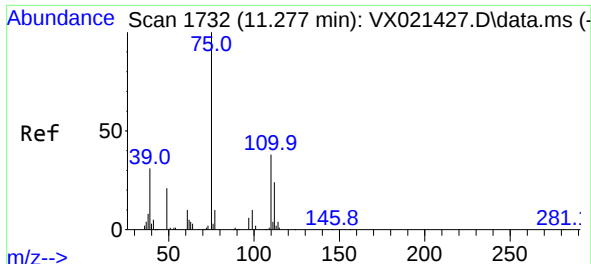
Tgt Ion:	152	Resp:	49692
Ion	Ratio	Lower	Upper
152	100		
115	61.5	41.1	123.3
150	157.0	0.0	349.0



#74
N-ethyl acetate
Concen: 0.53 ug/l
RT: 10.935 min Scan# 1674
Delta R.T. 0.052 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

Tgt Ion:	43	Resp:	902
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.6#
55	44.7	21.5	32.3#
61	0.0	22.1	33.1#

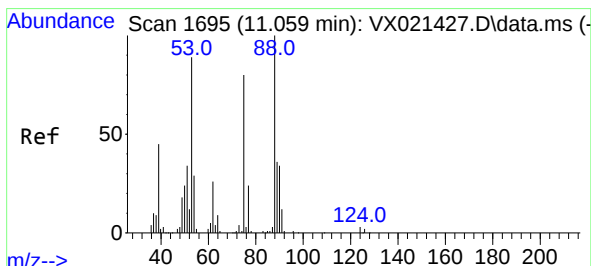
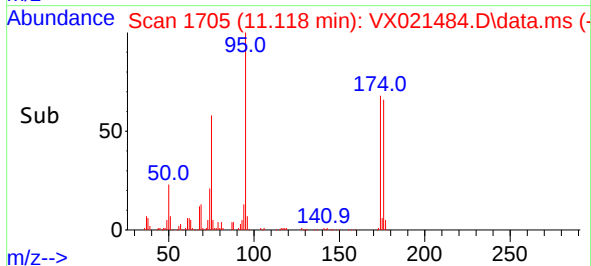
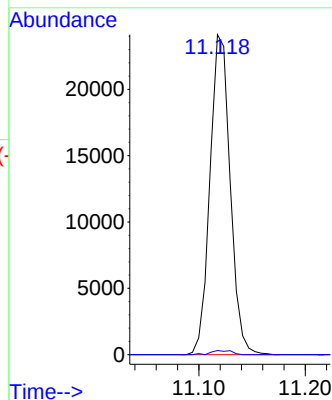
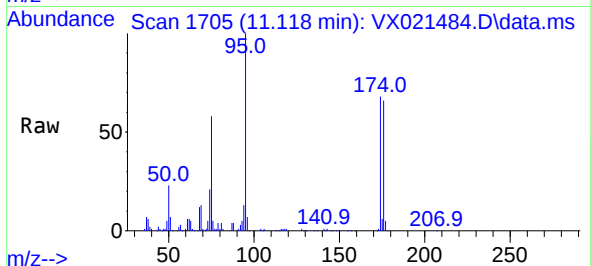




#76
1,2,3-Trichloropropane
Concen: 27.49 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

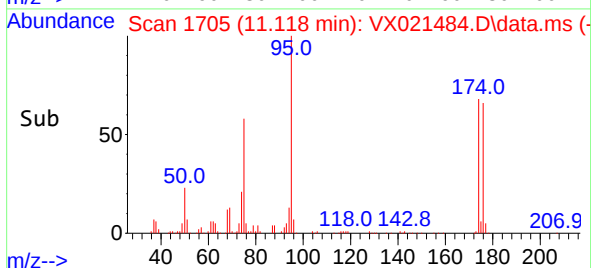
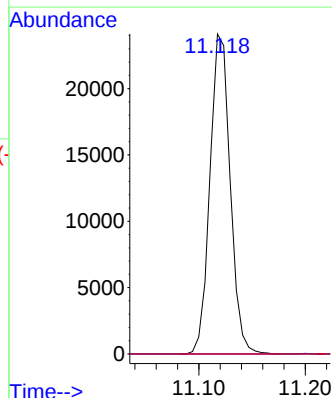
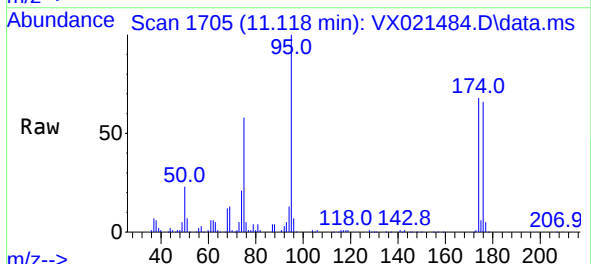
Instrument :
MSVOA_X
ClientSampled :
P1679

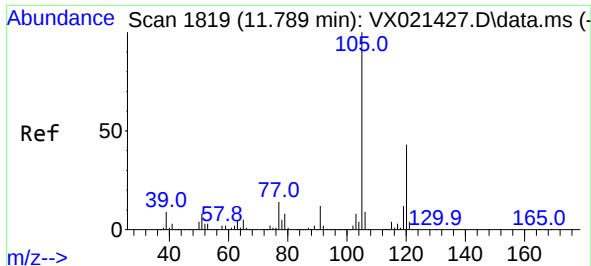
Tgt Ion: 75 Resp: 31807
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.75 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

Tgt Ion: 75 Resp: 31807
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

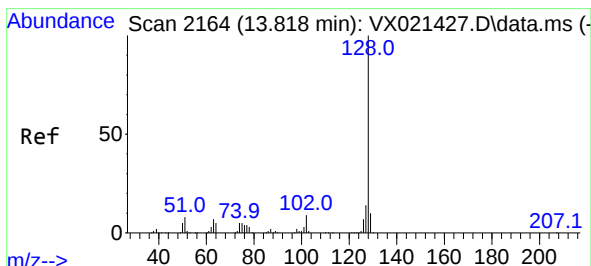
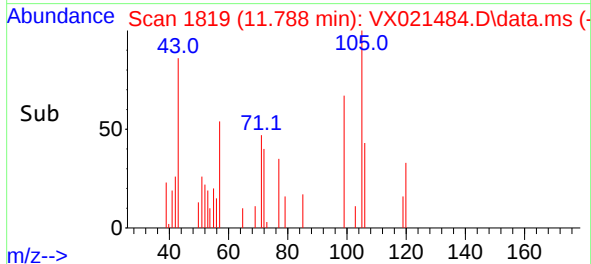
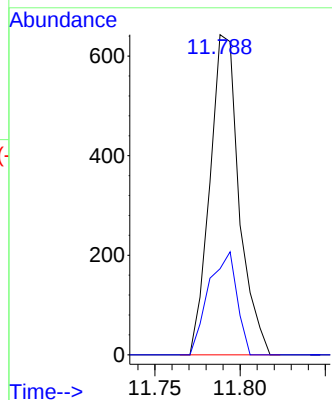
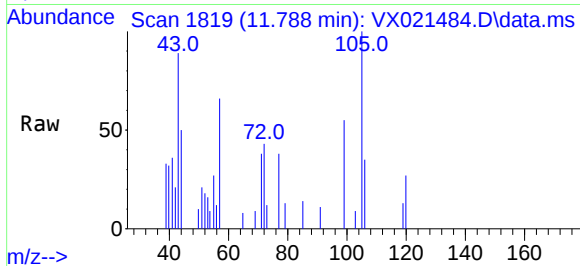




#84
1,2,4-Trimethylbenzene
Concen: 0.26 ug/l
RT: 11.788 min Scan# 1819
Delta R.T. -0.001 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

Instrument :
MSVOA_X
ClientSampled :
P1679

Tgt Ion:105 Resp: 767
Ion Ratio Lower Upper
105 100
120 31.0 22.4 67.3



#95
Naphthalene
Concen: 0.61 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. -0.000 min
Lab File: VX021484.D
Acq: 25 Mar 2021 14:38

Tgt Ion:128 Resp: 1962
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 10.7 8.8 13.2

