

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063021\
 Data File : VX023059.D
 Acq On : 01 Jul 2021 02:19
 Operator : JC/MD
 Sample : PB137429ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 01 03:30:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

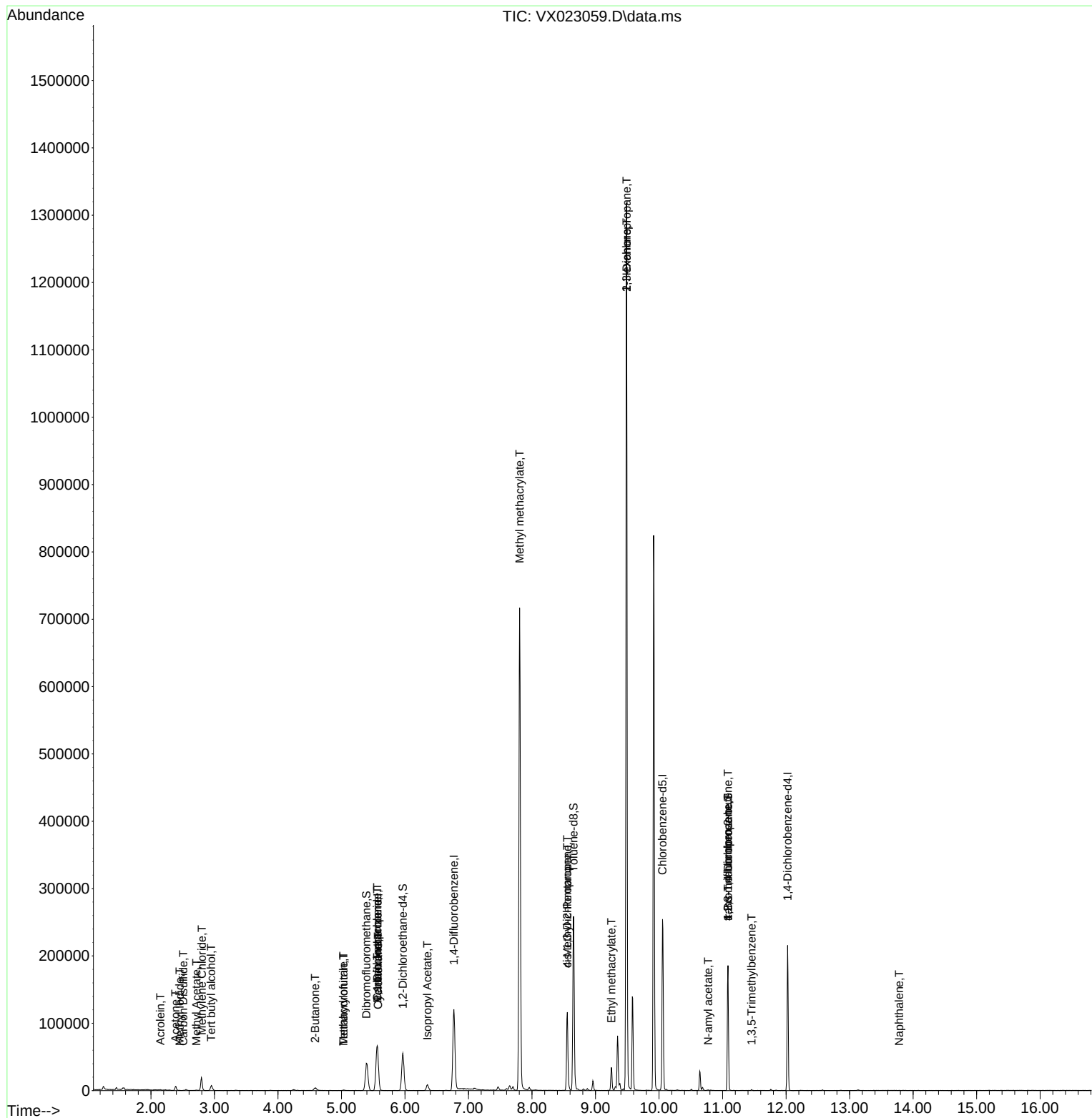
Internal Standards						
1) Pentafluorobenzene	5.568	168	52759	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	6.769	114	111022	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	102687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	35746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	51030	53.297	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 106.600%		
35) Dibromofluoromethane	5.391	113	34265	48.602	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.200%		
50) Toluene-d8	8.653	98	140394	50.810	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 101.620%		
62) 4-Bromofluorobenzene	11.085	95	48471	47.004	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 94.000%		
Target Compounds						
						Qvalue
10) Methyl Iodide	2.453	142	46	3.930	ug/l	# 42
11) Tert butyl alcohol	2.947	59	4890	24.505	ug/l	# 75
13) Acrolein	2.148	56	46	0.371	ug/l	# 14
16) Acetone	2.386	43	6652	15.671	ug/l	97
17) Carbon Disulfide	2.508	76	95	3.563	ug/l	# 75
18) Methyl Acetate	2.715	43	1080	1.034	ug/l	# 71
20) Methylene Chloride	2.800	84	7579	9.308	ug/l	92
25) 2-Butanone	4.587	43	3532	5.351	ug/l	# 85
29) Tetrahydrofuran	5.032	42	456	1.074	ug/l	# 80
31) Cyclohexane	5.574	56	1823	1.349	ug/l	# 36
36) 1,1-Dichloropropene	5.562	75	6156	5.220	ug/l	# 45
38) Carbon Tetrachloride	5.562	117	6595	6.668	ug/l	# 15
41) Methacrylonitrile	5.032	41	323	0.429	ug/l	# 39
43) Isopropyl Acetate	6.354	43	11648	5.304	ug/l	# 90
48) Methyl methacrylate	7.805	41	61689	60.694	ug/l	# 38
51) 4-Methyl-2-Pentanone	8.555	43	40826	29.870	ug/l	# 44
54) cis-1,3-Dichloropropene	8.555	75	17465	13.689	ug/l	# 69
56) Ethyl methacrylate	9.250	69	58	2.615	ug/l	# 1
57) 1,3-Dichloropropane	9.488	76	9618	6.416	ug/l	# 43
59) 2-Hexanone	9.488	43	155116	149.592	ug/l	# 43
74) N-amyl acetate	10.774	43	458	2.312	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	27771	29.412	ug/l	# 39
80) 1,3,5-Trimethylbenzene	11.457	105	705	0.284	ug/l	77
81) trans-1,4-Dichloro-2-b...	11.085	75	27771	75.610	ug/l	# 12
95) Naphthalene	13.780	128	177	1.981	ug/l	# 69

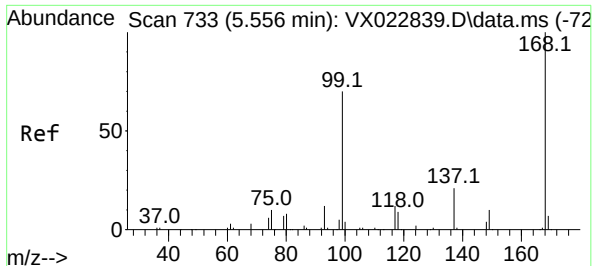
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 01 03:30:42 2021
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Quant Title : SW846 8260
QLast Update : Wed Jun 23 19:12:26 2021
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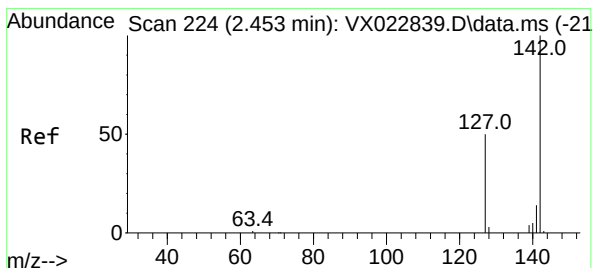
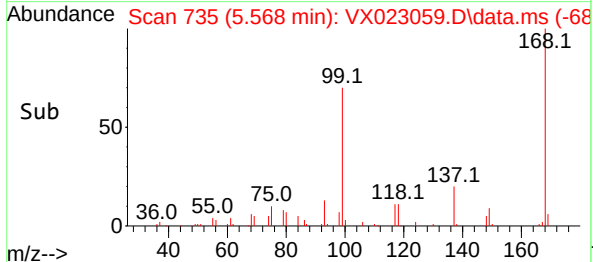
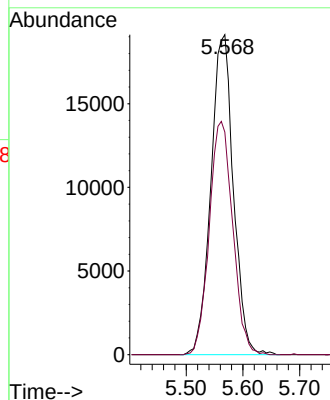
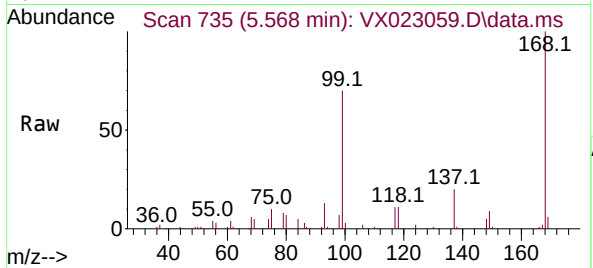




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.012 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

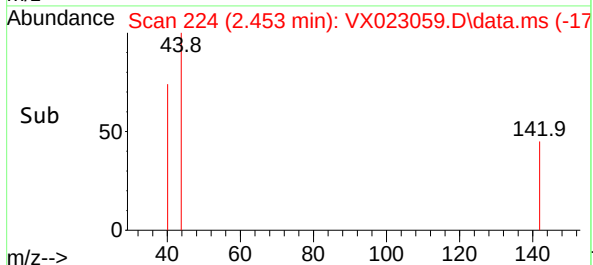
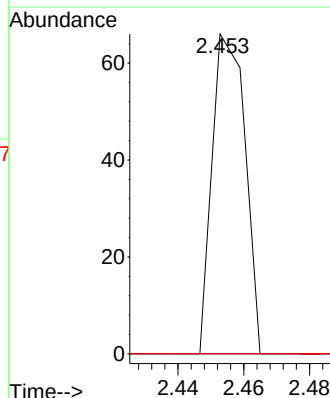
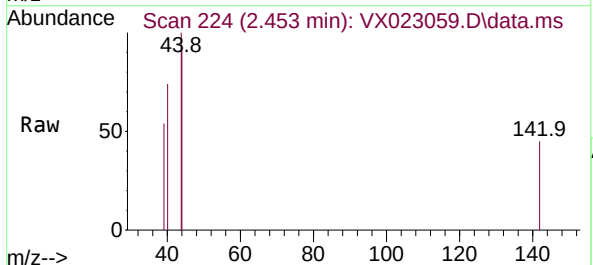
Instrument :
MSVOA_X
ClientSampled :

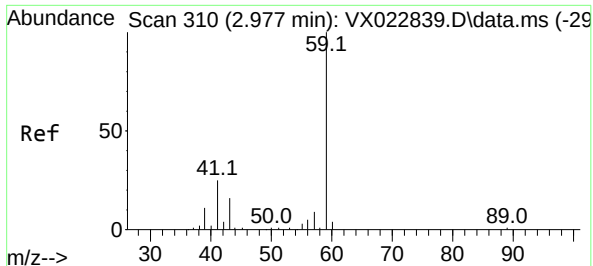
Tgt Ion:168 Resp: 52759
Ion Ratio Lower Upper
168 100
99 69.5 45.8 68.6#



#10
Methyl Iodide
Concen: 3.930 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

Tgt Ion:142 Resp: 46
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



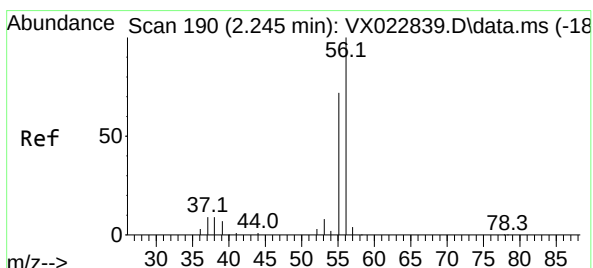
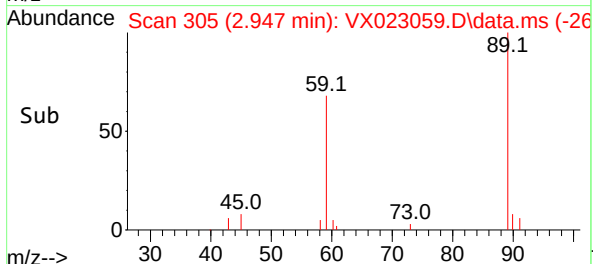
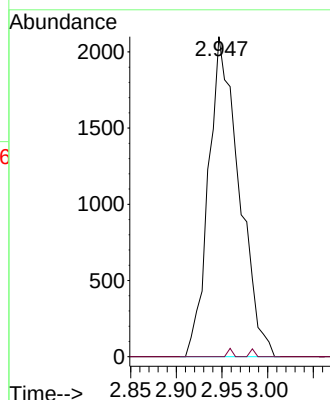
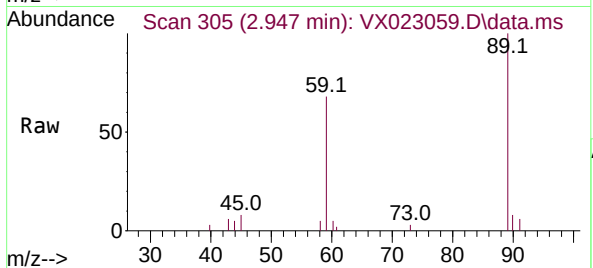


#11

Tert butyl alcohol
Concen: 24.505 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

Instrument :
MSVOA_X
ClientSampled :

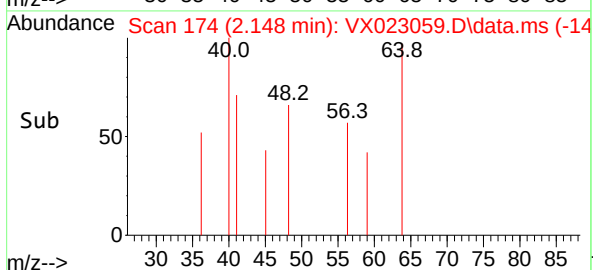
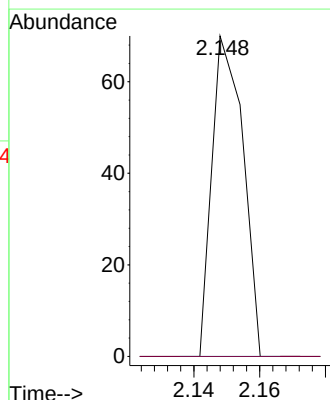
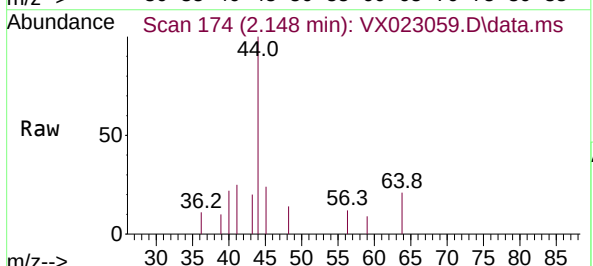
Tgt Ion: 59 Resp: 4890
Ion Ratio Lower Upper
59 100
57 0.4 7.8 11.8#

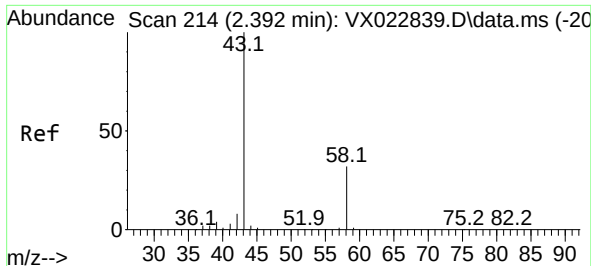


#13

Acrolein
Concen: 0.371 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.097 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

Tgt Ion: 56 Resp: 46
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

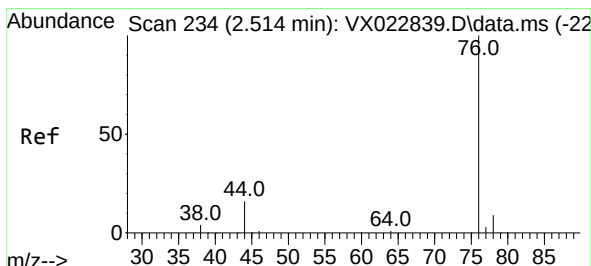
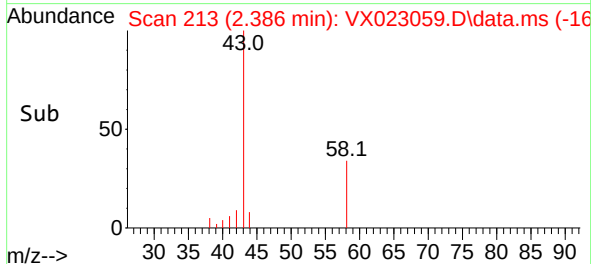
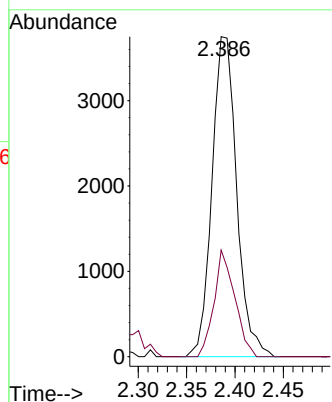
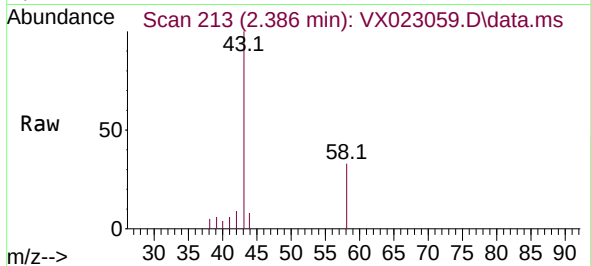




#16
Acetone
Concen: 15.671 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

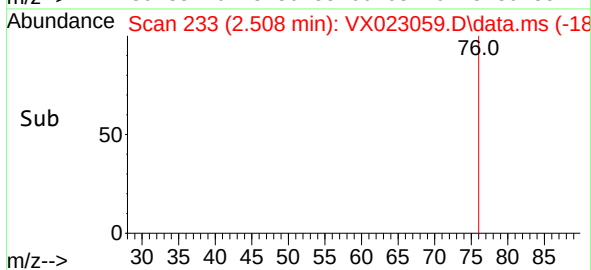
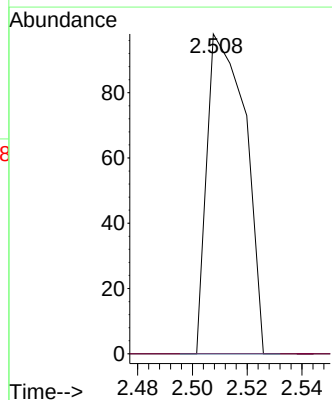
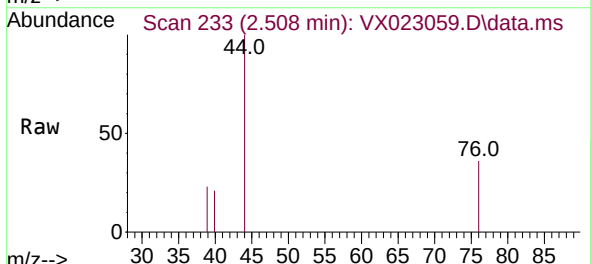
Instrument :
MSVOA_X
ClientSampled :

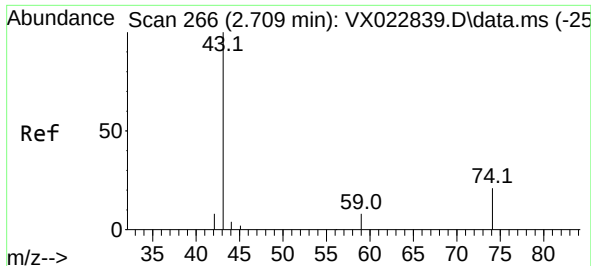
Tgt Ion: 43 Resp: 6652
Ion Ratio Lower Upper
43 100
58 33.3 27.8 41.8



#17
Carbon Disulfide
Concen: 3.563 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

Tgt Ion: 76 Resp: 95
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

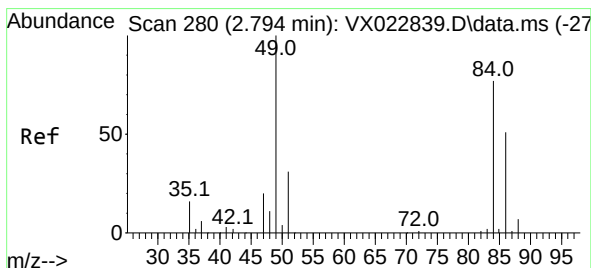
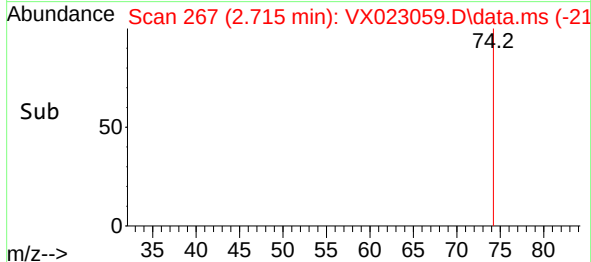
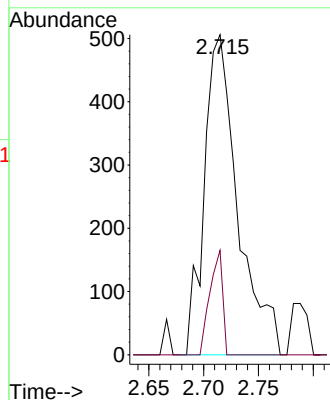
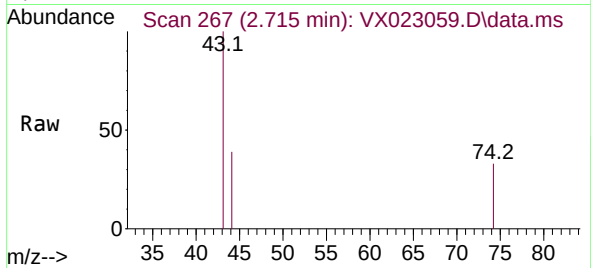




#18
Methyl Acetate
Concen: 1.034 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

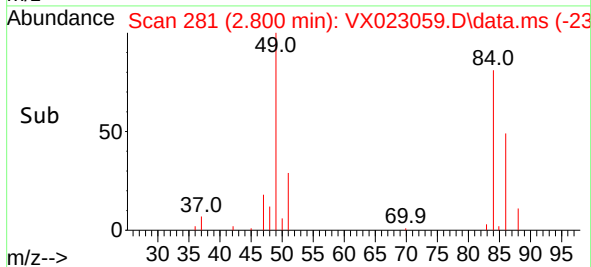
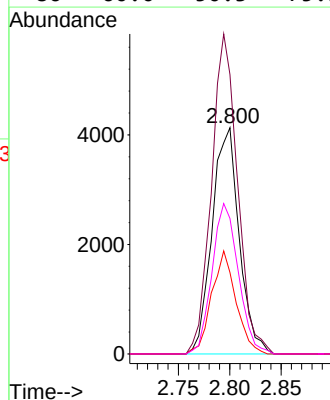
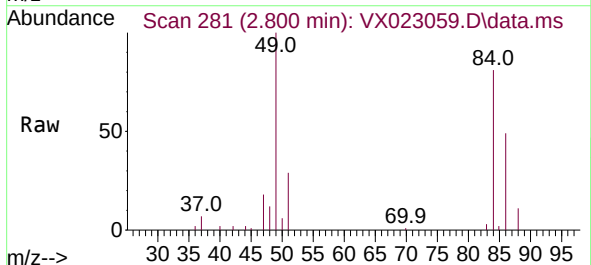
Instrument :
MSVOA_X
ClientSampled :

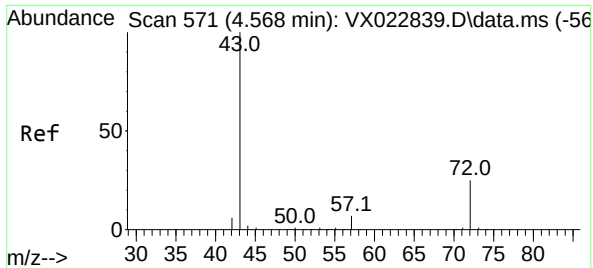
Tgt Ion: 43 Resp: 1080
Ion Ratio Lower Upper
43 100
74 12.3 21.9 32.9#



#20
Methylene Chloride
Concen: 9.308 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

Tgt Ion: 84 Resp: 7579
Ion Ratio Lower Upper
84 100
49 123.5 88.6 132.8
51 36.0 27.0 40.6
86 60.0 50.3 75.5

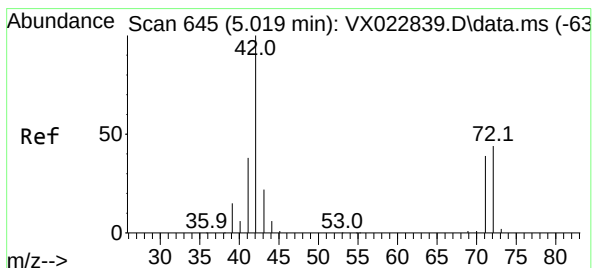
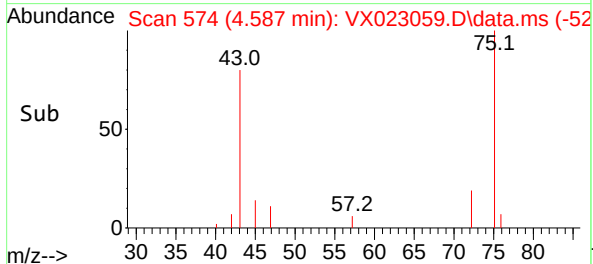
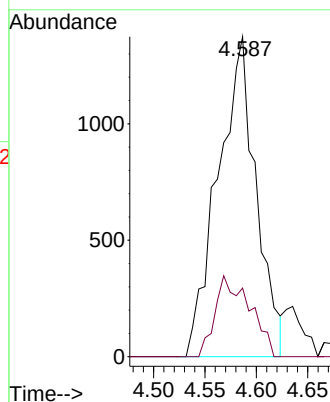
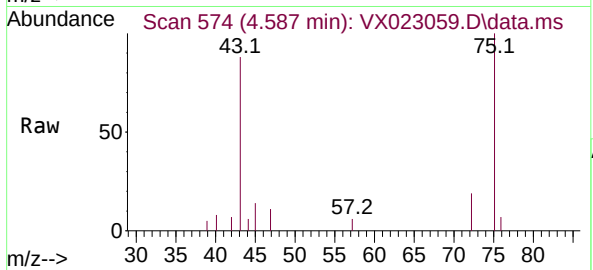




#25
2-Butanone
Concen: 5.351 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

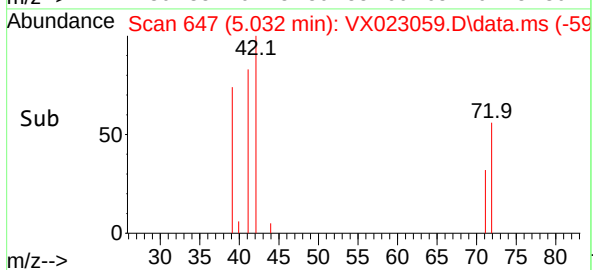
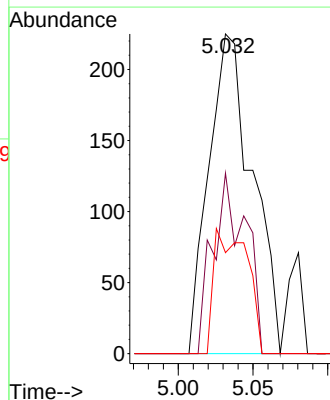
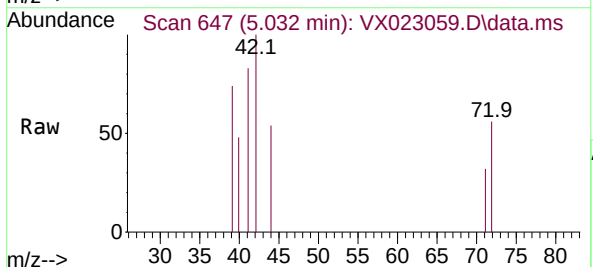
Instrument :
MSVOA_X
ClientSampled :

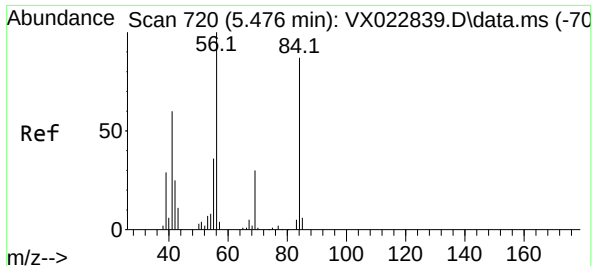
Tgt Ion: 43 Resp: 3532
Ion Ratio Lower Upper
43 100
72 21.5 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.074 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.013 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

Tgt Ion: 42 Resp: 456
Ion Ratio Lower Upper
42 100
72 42.5 41.7 62.5
71 29.6 38.4 57.6#

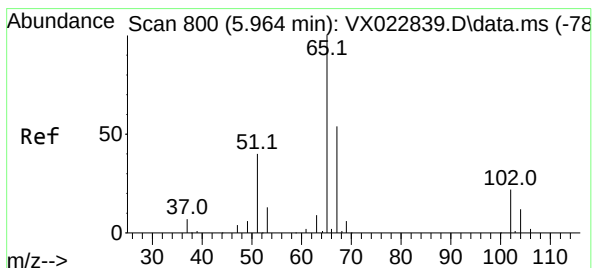
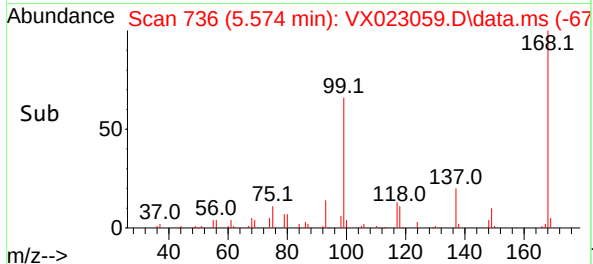
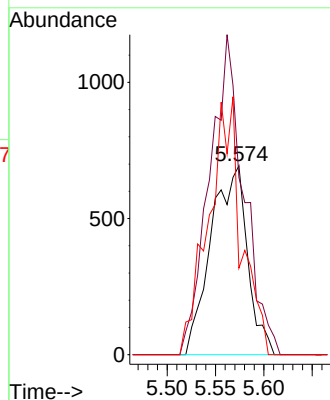
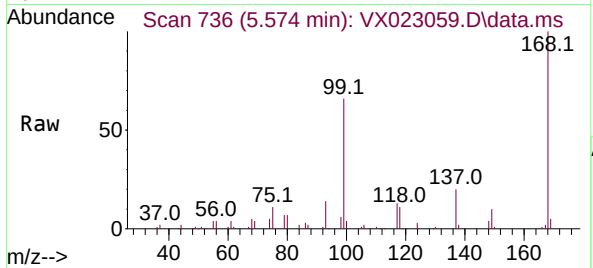




#31
Cyclohexane
Concen: 1.349 ug/l
RT: 5.574 min Scan# 736
Delta R.T. 0.098 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

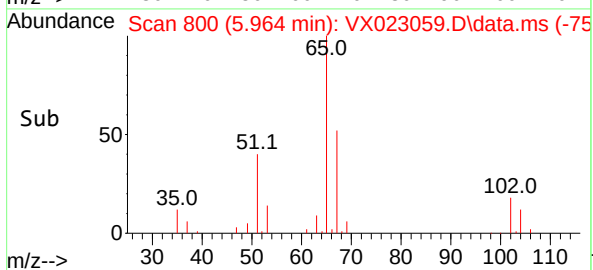
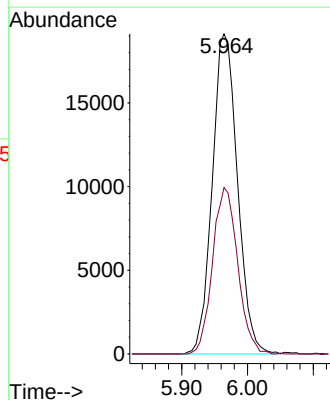
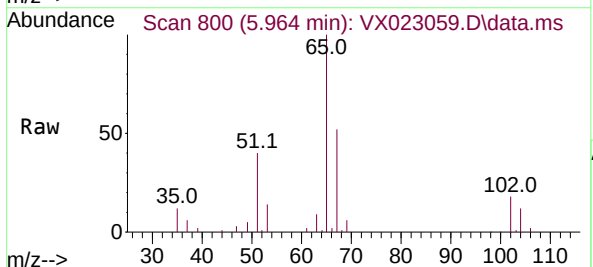
Instrument :
MSVOA_X
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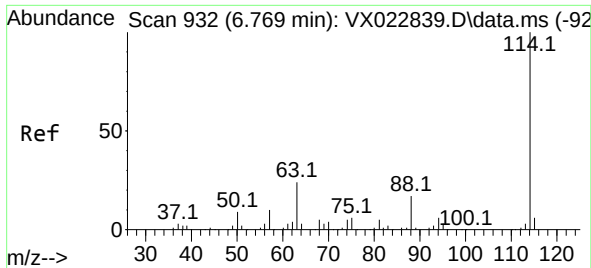
Tgt Ion: 56 Resp: 1823
Ion Ratio Lower Upper
56 100
69 93.8 25.3 37.9#
84 45.8 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 53.297 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

Tgt Ion: 65 Resp: 51030
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.4

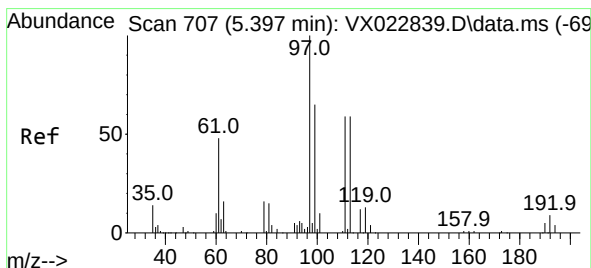
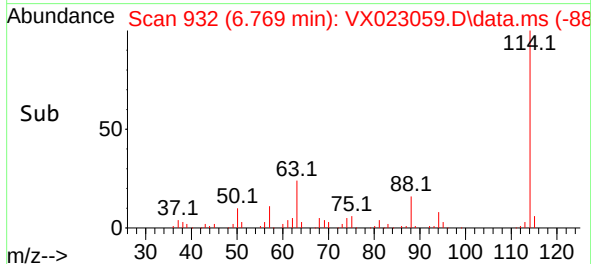
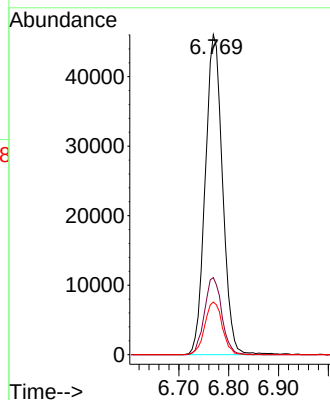
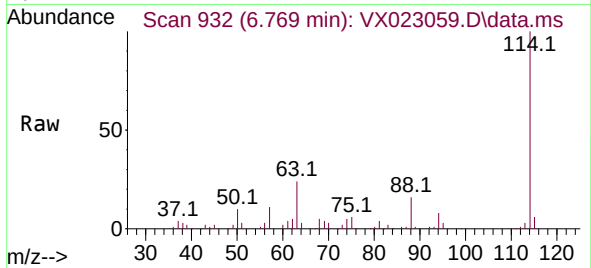




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

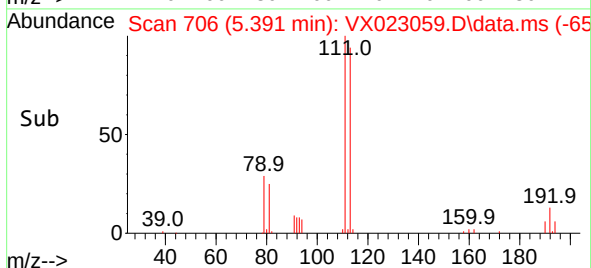
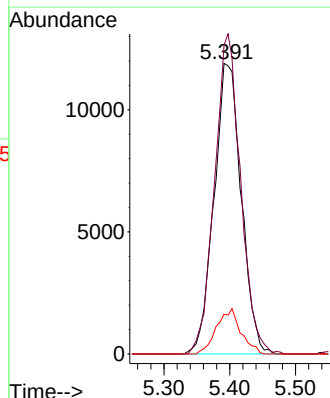
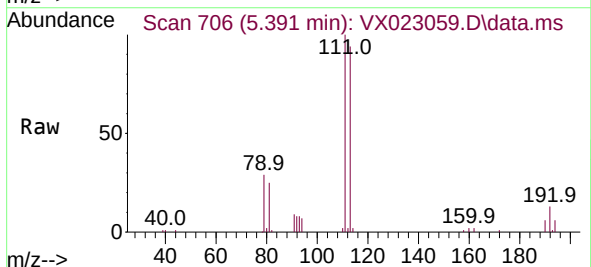
Instrument :
MSVOA_X
ClientSampleId :

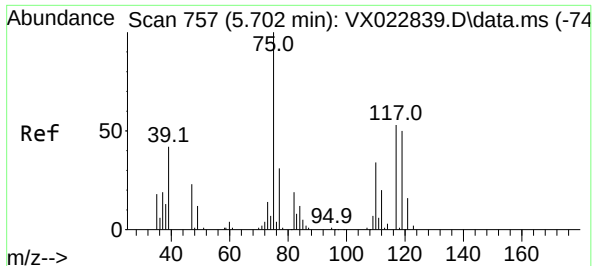
Tgt Ion:114 Resp: 111022
Ion Ratio Lower Upper
114 100
63 24.1 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.602 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

Tgt Ion:113 Resp: 34265
Ion Ratio Lower Upper
113 100
111 105.3 81.9 122.9
192 13.9 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 5.220 ug/l

RT: 5.562 min Scan# 734

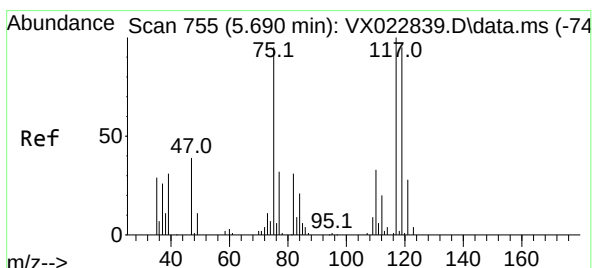
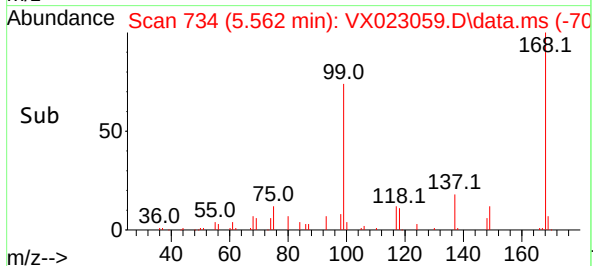
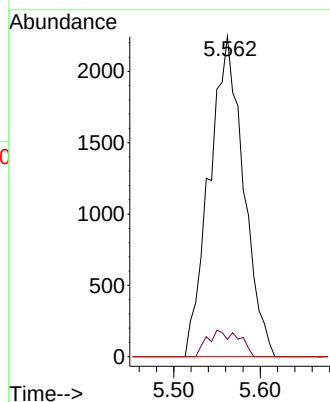
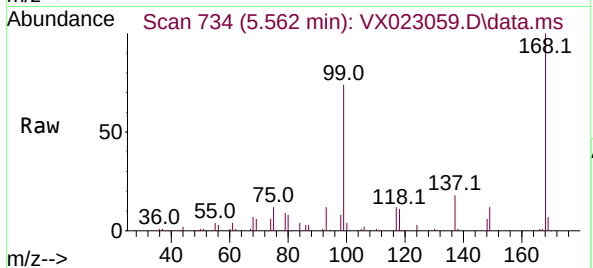
Delta R.T. -0.140 min

Lab File: VX023059.D

Acq: 01 Jul 2021 02:19

Tgt Ion:	75	Resp:	6156
Ion	Ratio	Lower	Upper
75	100		
110	4.7	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.668 ug/l

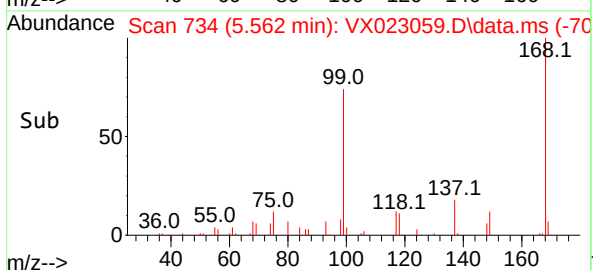
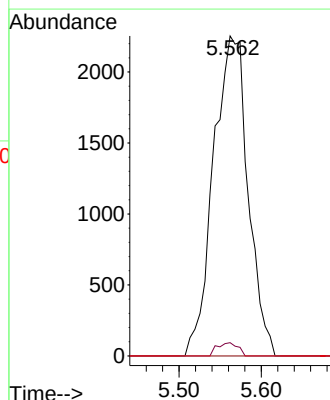
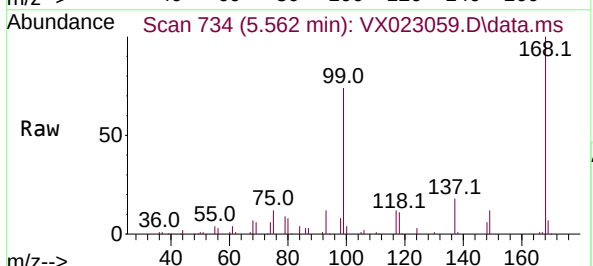
RT: 5.562 min Scan# 734

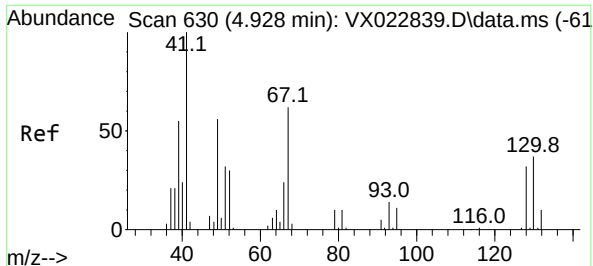
Delta R.T. -0.128 min

Lab File: VX023059.D

Acq: 01 Jul 2021 02:19

Tgt Ion:	117	Resp:	6595
Ion	Ratio	Lower	Upper
117	100		
119	4.1	76.2	114.2#
121	0.0	24.8	37.2#

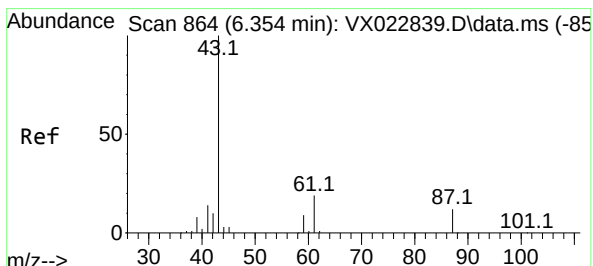
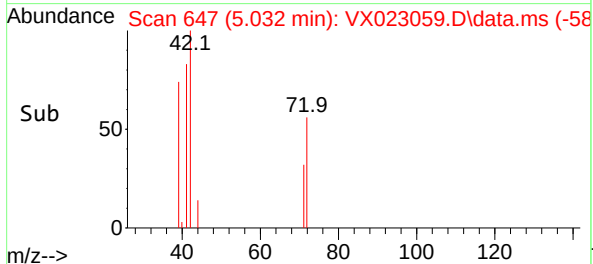
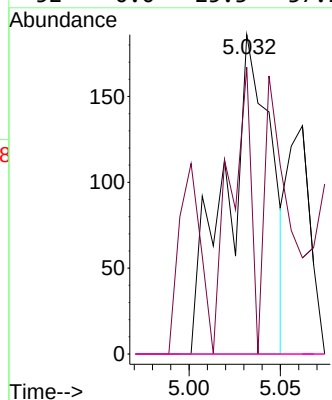
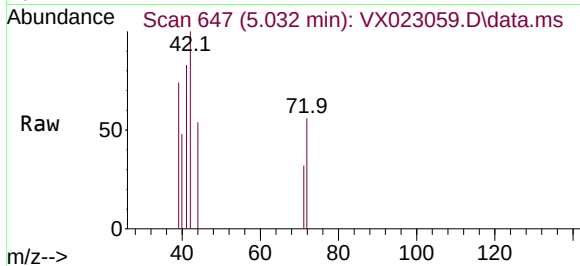




#41
Methacrylonitrile
Concen: 0.429 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

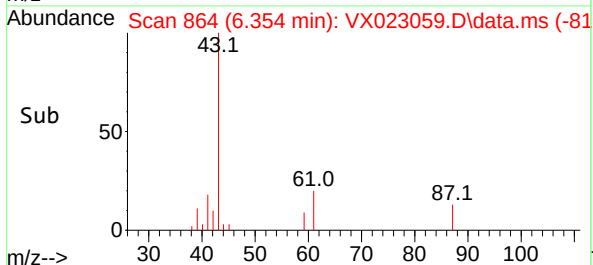
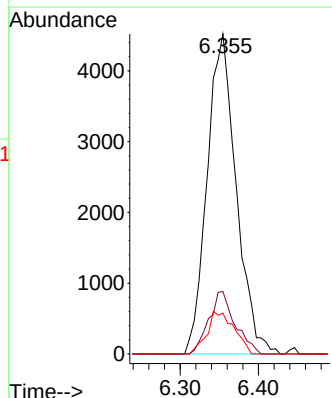
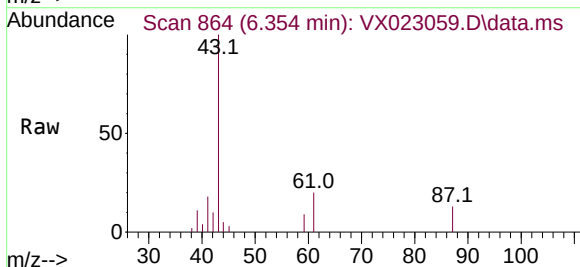
Instrument :
MSVOA_X
ClientSampleId :

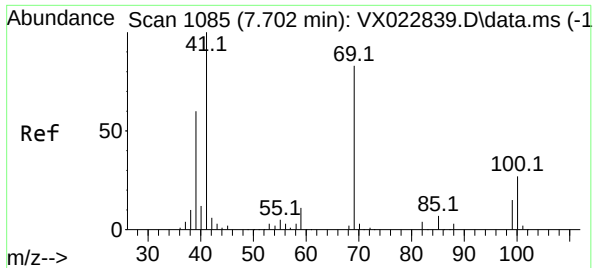
Tgt Ion:	41	Resp:	323
Ion	Ratio	Lower	Upper
41	100		
39	41.2	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 5.304 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

Tgt Ion:	43	Resp:	11648
Ion	Ratio	Lower	Upper
43	100		
61	17.5	18.2	27.4#
87	12.4	12.5	18.7#

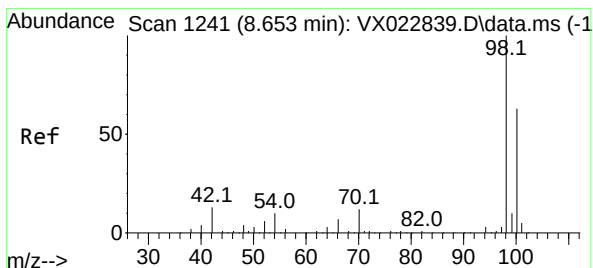
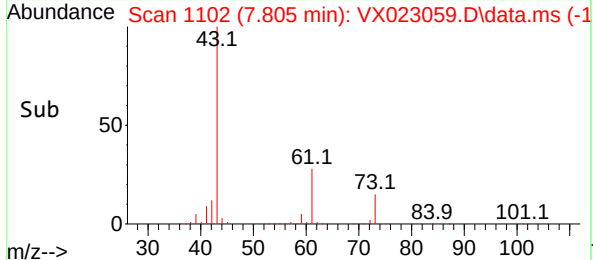
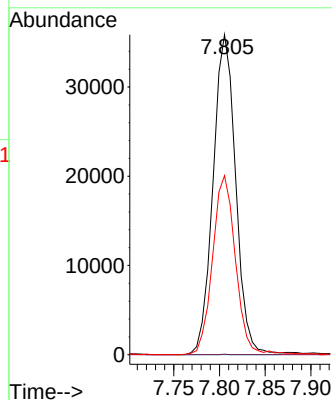
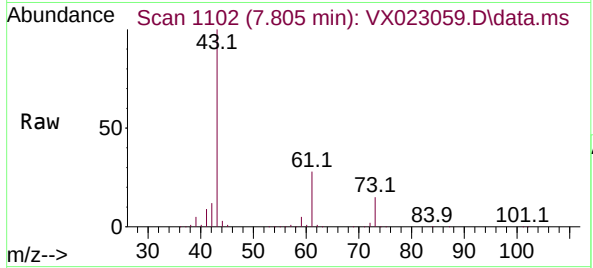




#48
Methyl methacrylate
Concen: 60.694 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

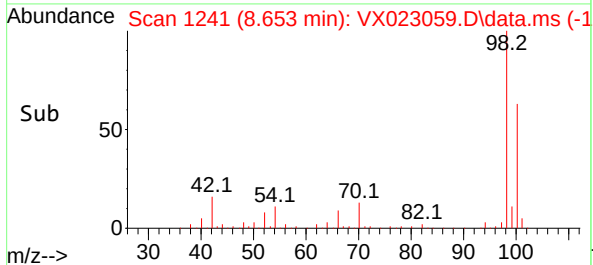
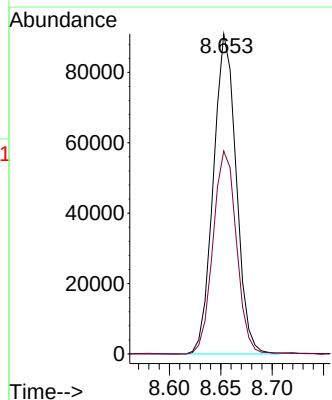
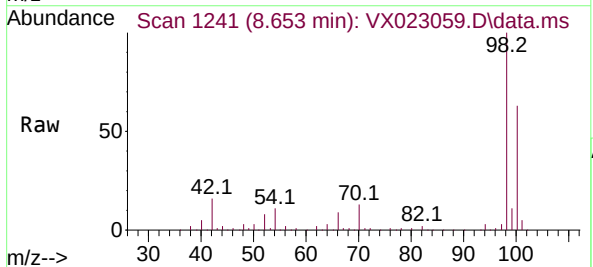
Instrument :
MSVOA_X
ClientSampled :

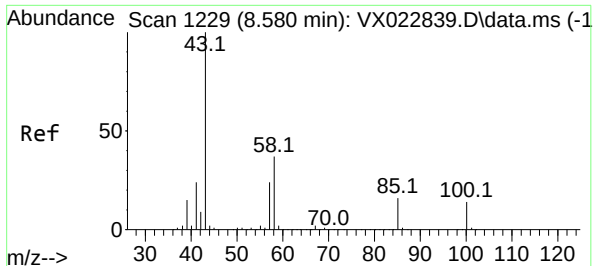
Tgt Ion: 41 Resp: 61689
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 57.0 44.6 67.0



#50
Toluene-d8
Concen: 50.810 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

Tgt Ion: 98 Resp: 140394
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9

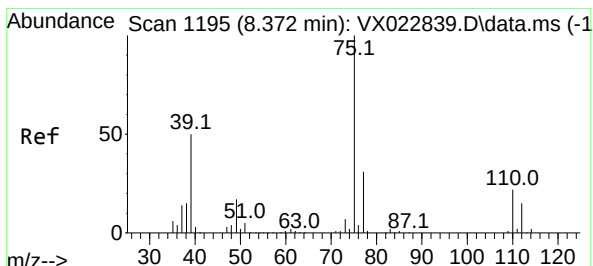
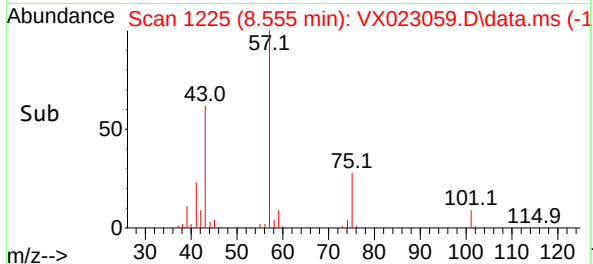
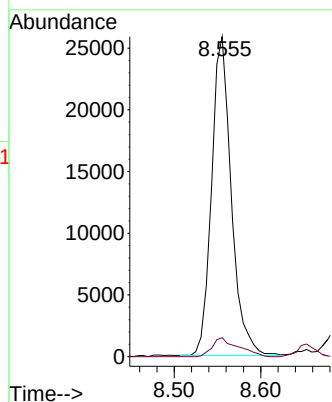
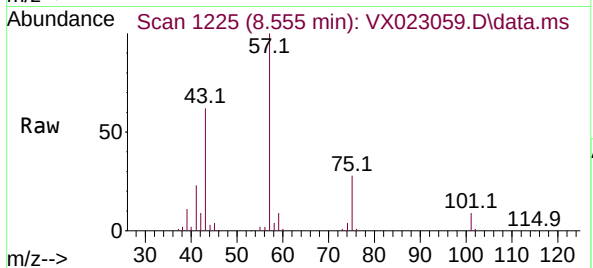




#51
4-Methyl-2-Pentanone
Concen: 29.870 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

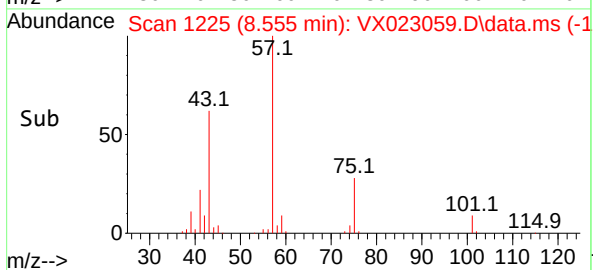
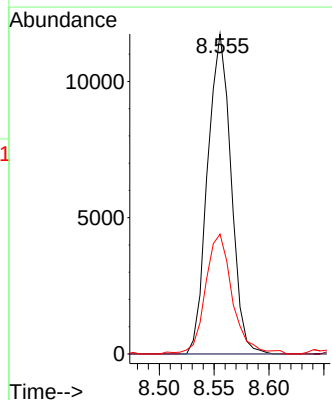
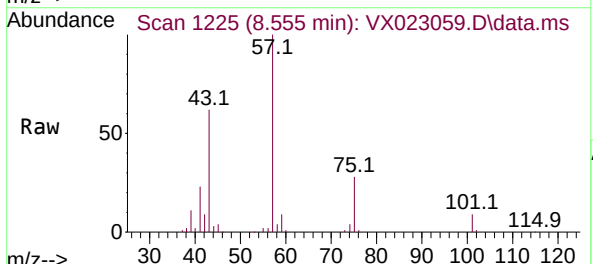
Instrument :
MSVOA_X
ClientSampled :

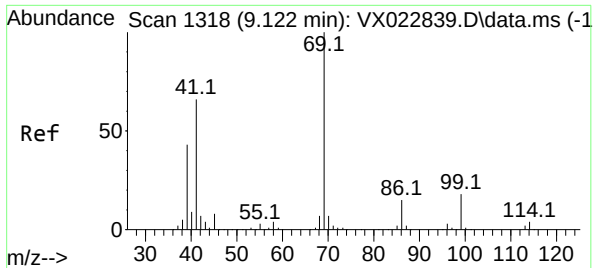
Tgt Ion: 43 Resp: 40826
Ion Ratio Lower Upper
43 100
58 7.8 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 13.689 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

Tgt Ion: 75 Resp: 17465
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 36.9 35.1 52.7

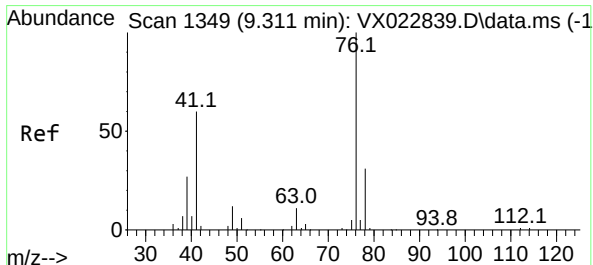
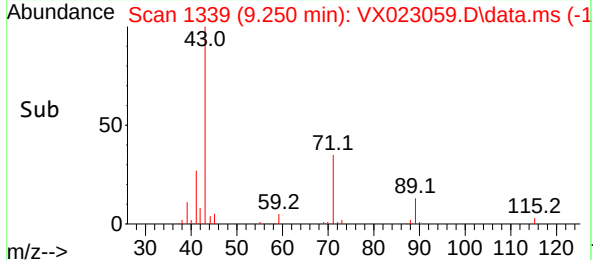
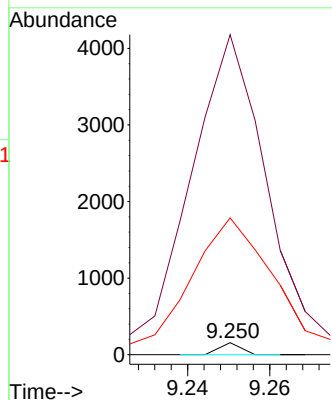
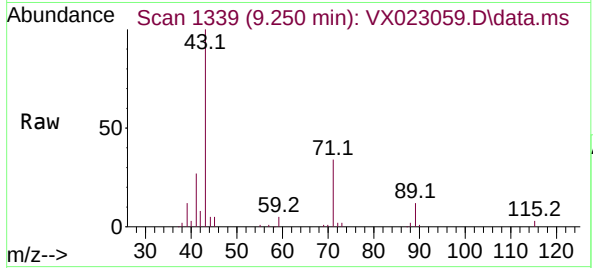




#56
Ethyl methacrylate
Concen: 2.615 ug/l
RT: 9.250 min Scan# 1339
Delta R.T. 0.128 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

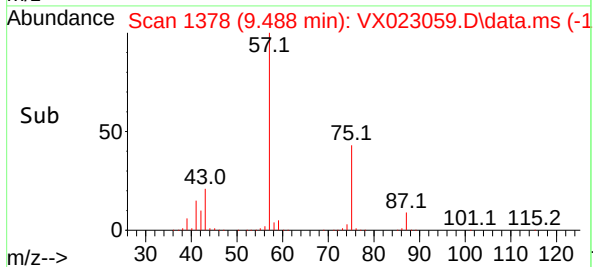
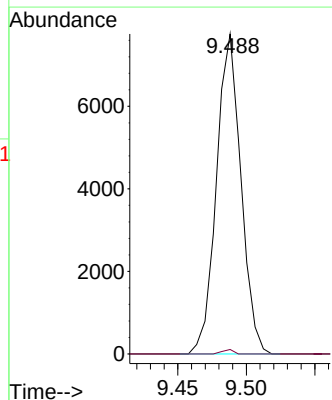
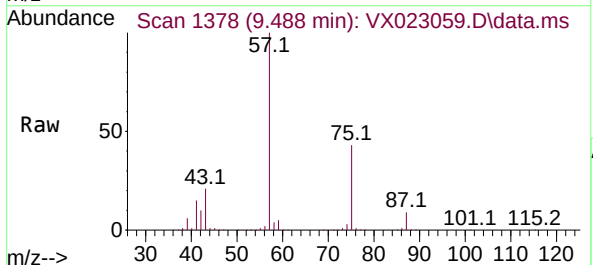
Instrument :
MSVOA_X
ClientSampleId :

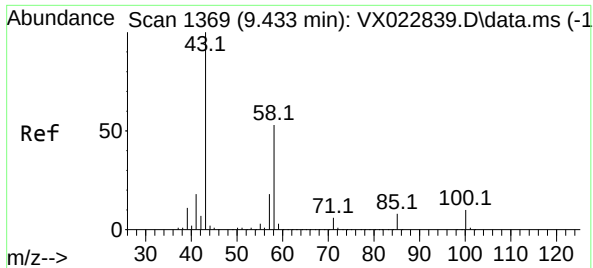
Tgt Ion: 69 Resp: 58
Ion Ratio Lower Upper
69 100
41 9682.8 46.8 70.2#
39 4582.8 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 6.416 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

Tgt Ion: 76 Resp: 9618
Ion Ratio Lower Upper
76 100
78 0.6 26.2 39.2#

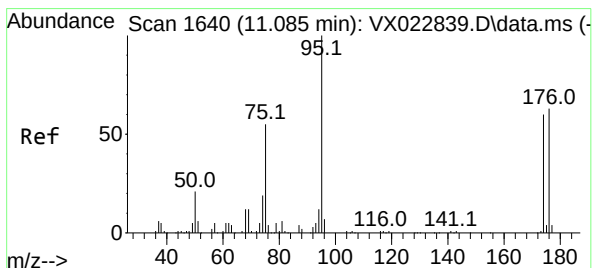
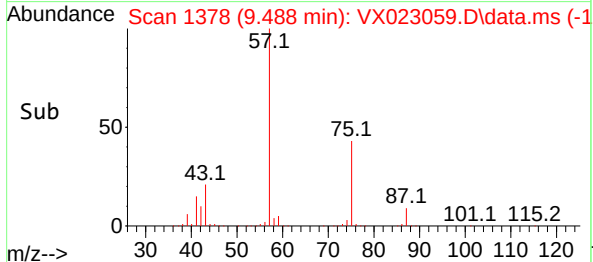
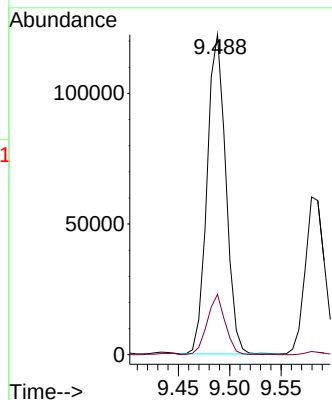
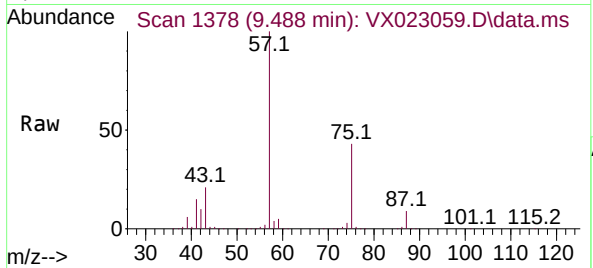




#59
2-Hexanone
Concen: 149.592 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

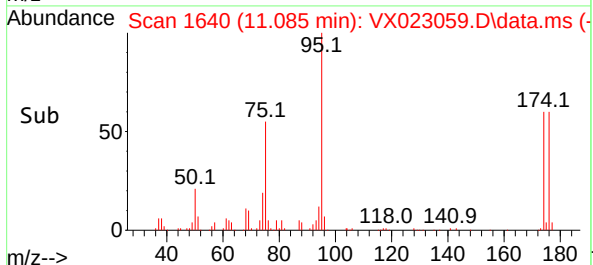
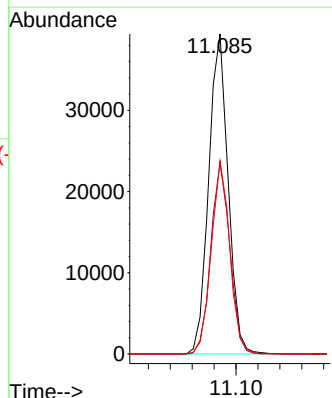
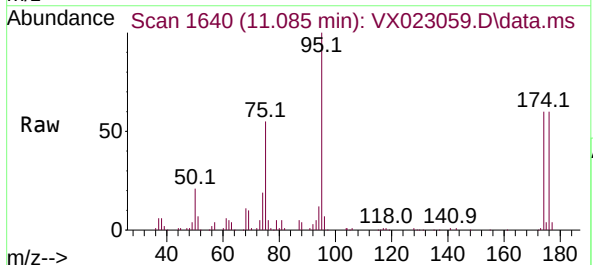
Instrument :
MSVOA_X
ClientSampled :

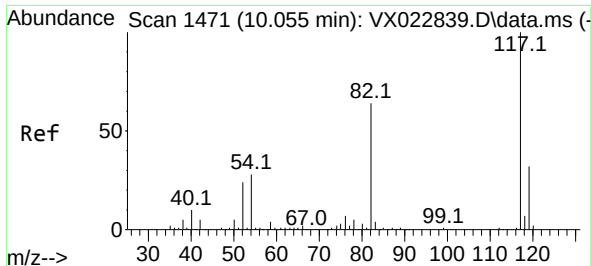
Tgt Ion: 43 Resp: 155116
Ion Ratio Lower Upper
43 100
58 18.2 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 47.004 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

Tgt Ion: 95 Resp: 48471
Ion Ratio Lower Upper
95 100
174 58.6 0.0 154.6
176 57.4 0.0 155.8

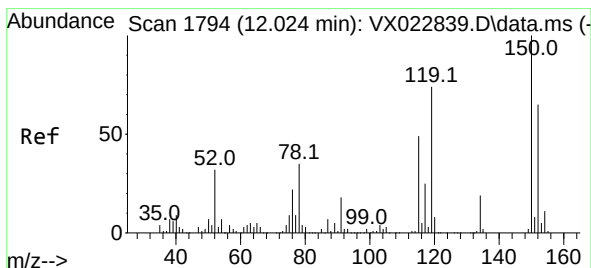
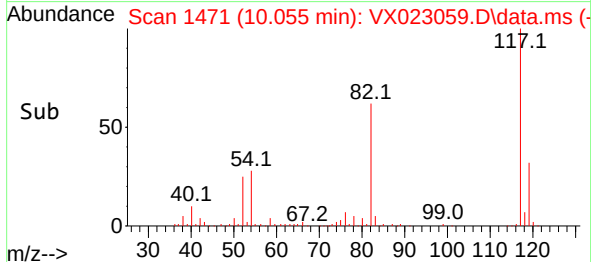
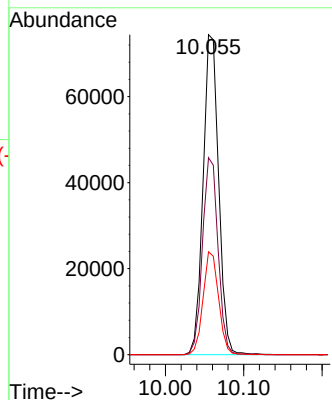
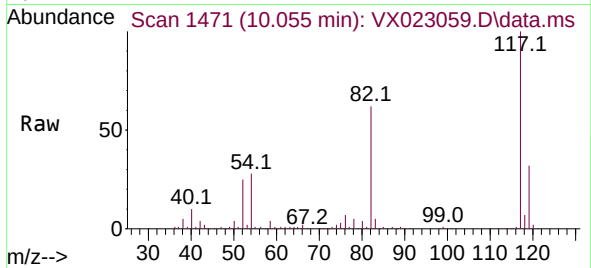




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

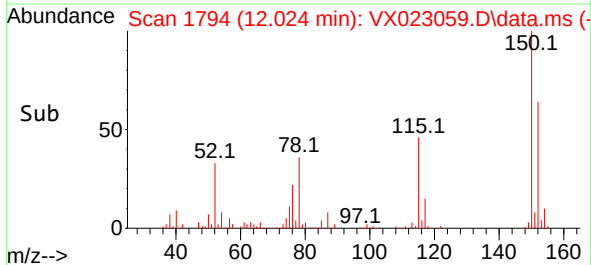
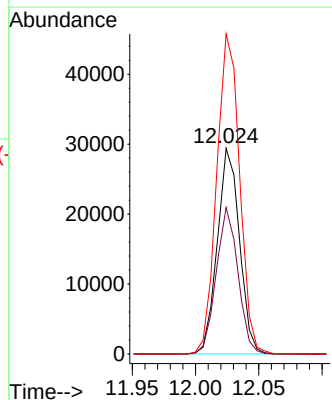
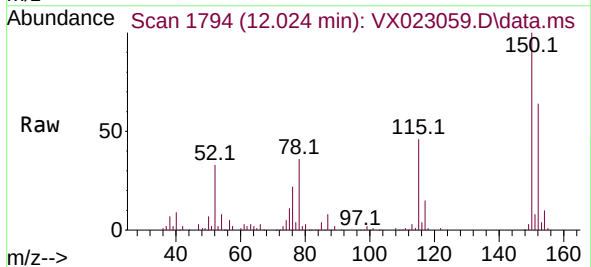
Instrument :
MSVOA_X
ClientSampleId :

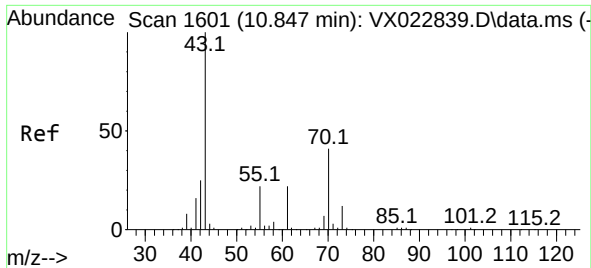
Tgt Ion:117 Resp: 102687
Ion Ratio Lower Upper
117 100
82 61.6 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

Tgt Ion:152 Resp: 35746
Ion Ratio Lower Upper
152 100
115 69.8 41.1 123.3
150 160.8 0.0 349.0

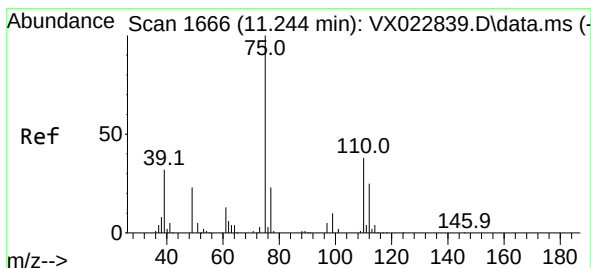
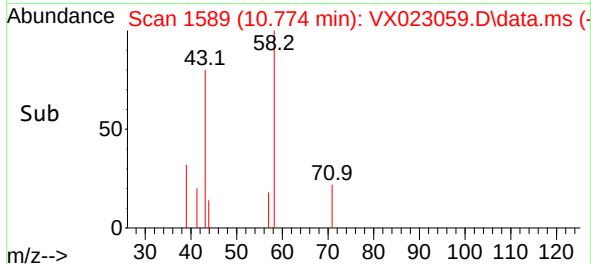
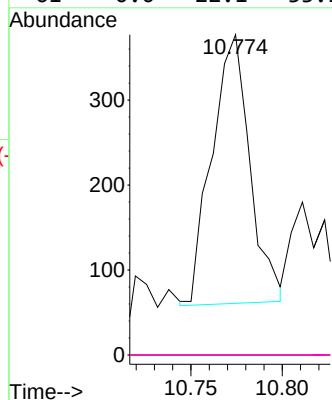
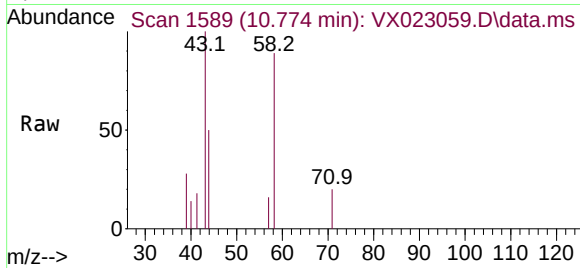




#74
N-amy1 acetate
Concen: 2.312 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

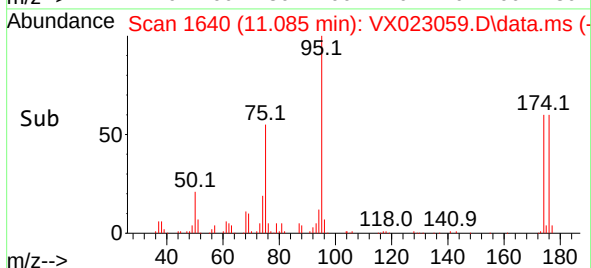
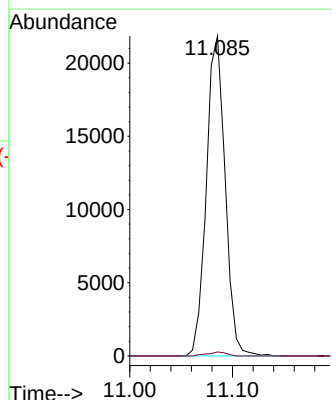
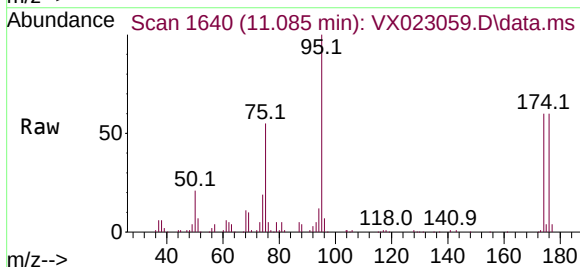
Instrument :
MSVOA_X
ClientSampleId :

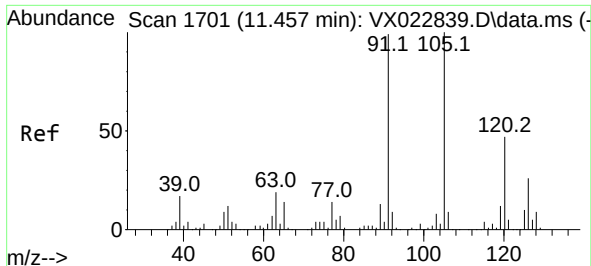
Tgt Ion: 43	Resp:	458
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.0 58.6#
55	0.0	21.5 32.3#
61	0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 29.412 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

Tgt Ion: 75	Resp:	27771
Ion	Ratio	Lower Upper
75	100	
77	1.3	19.1 57.5#

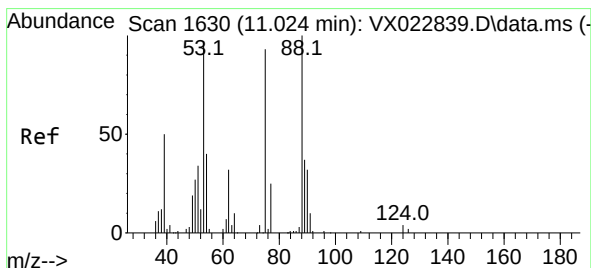
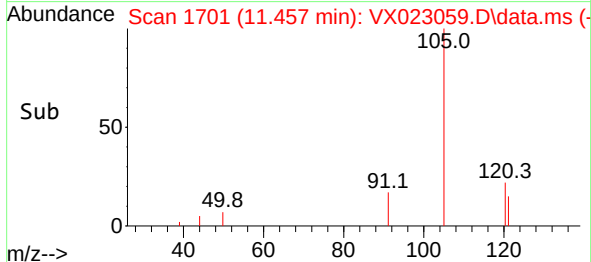
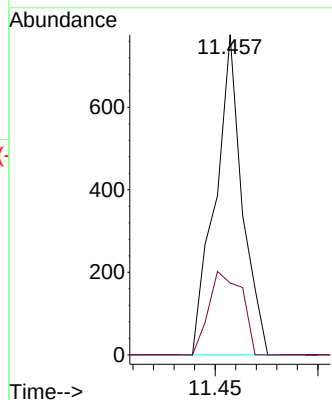
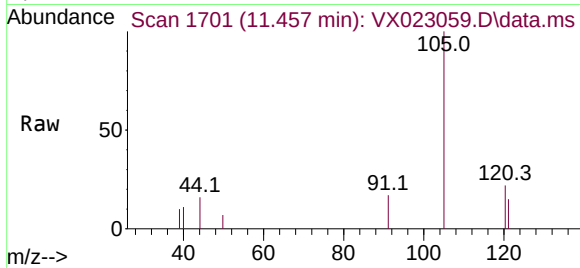




#80
1,3,5-Trimethylbenzene
Concen: 0.284 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

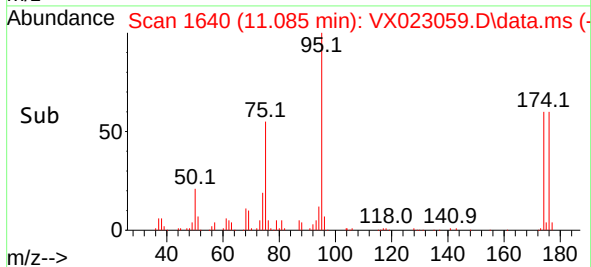
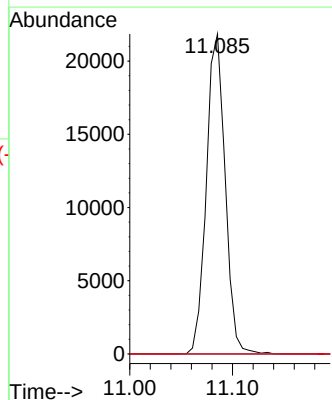
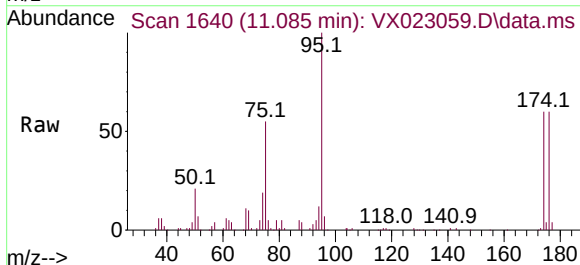
Instrument :
MSVOA_X
ClientSampled :

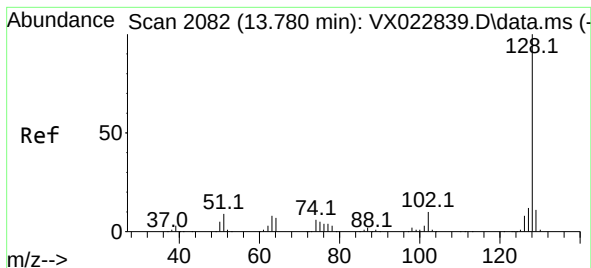
Tgt Ion:105 Resp: 705
Ion Ratio Lower Upper
105 100
120 32.1 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 75.610 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

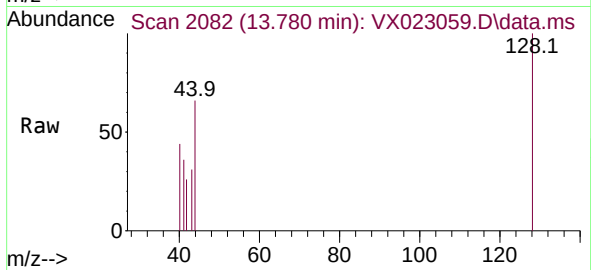
Tgt Ion: 75 Resp: 27771
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.981 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023059.D
Acq: 01 Jul 2021 02:19

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 177
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

