

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063021\
 Data File : VX023057.D
 Acq On : 01 Jul 2021 01:31
 Operator : JC/MD
 Sample : PB137429ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 01 03:30:22 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

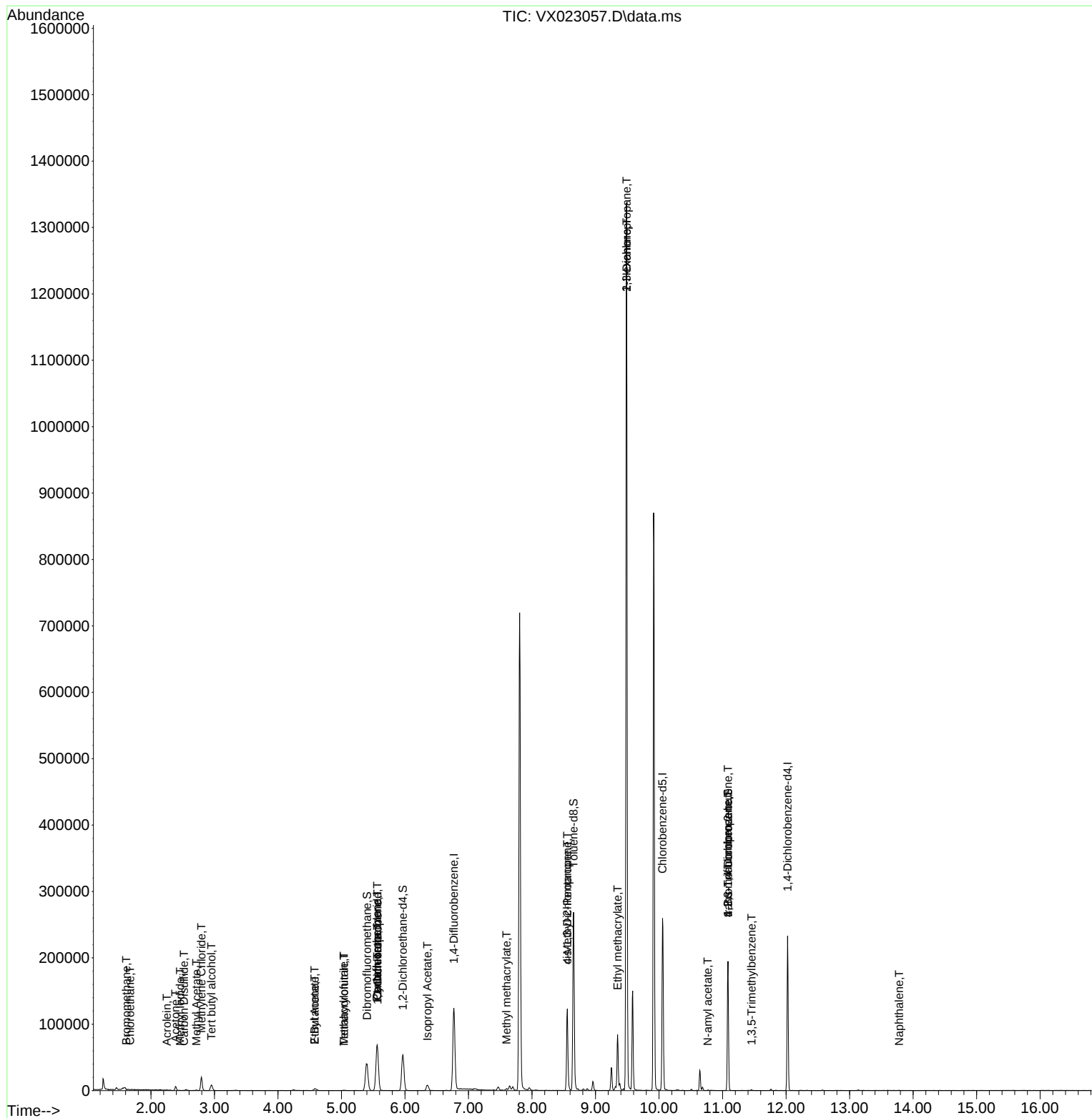
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	54892	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	114388	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	106213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	39278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	51530	51.728	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.460%	
35) Dibromofluoromethane	5.403	113	36499	50.247	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.500%	
50) Toluene-d8	8.653	98	145348	51.055	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.120%	
62) 4-Bromofluorobenzene	11.085	95	51243	48.230	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.460%	
Target Compounds						Qvalue
5) Bromomethane	1.611	94	123	0.285	ug/l	# 68
6) Chloroethane	1.672	64	136	0.280	ug/l	# 43
10) Methyl Iodide	2.459	142	170	4.062	ug/l	# 80
11) Tert butyl alcohol	2.952	59	5350	25.769	ug/l	# 73
13) Acrolein	2.251	56	32	0.248	ug/l	# 14
16) Acetone	2.385	43	6403	14.499	ug/l	# 99
17) Carbon Disulfide	2.519	76	218	3.620	ug/l	# 75
18) Methyl Acetate	2.715	43	898	0.826	ug/l	# 73
20) Methylene Chloride	2.794	84	7748	9.152	ug/l	# 78
25) 2-Butanone	4.574	43	3656	5.324	ug/l	# 88
29) Tetrahydrofuran	5.037	42	349	0.790	ug/l	# 38
31) Cyclohexane	5.562	56	1723	1.225	ug/l	# 32
36) 1,1-Dichloropropene	5.568	75	5985	4.926	ug/l	# 49
37) Ethyl Acetate	4.574	43	3656	2.598	ug/l	# 64
38) Carbon Tetrachloride	5.562	117	6819	6.691	ug/l	# 17
41) Methacrylonitrile	5.037	41	180	0.232	ug/l	# 43
43) Isopropyl Acetate	6.354	43	11475	5.071	ug/l	# 93
48) Methyl methacrylate	7.598	41	3305	3.156	ug/l	# 10
51) 4-Methyl-2-Pentanone	8.555	43	42527	30.199	ug/l	# 44
54) cis-1,3-Dichloropropene	8.555	75	18252	13.848	ug/l	# 68
56) Ethyl methacrylate	9.348	69	600	2.942	ug/l	# 1
57) 1,3-Dichloropropane	9.488	76	10872	7.039	ug/l	# 42
59) 2-Hexanone	9.488	43	159697	149.478	ug/l	# 43
74) N-amyl acetate	10.768	43	811	2.469	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	28848	27.806	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.457	105	723	0.265	ug/l	# 78
81) trans-1,4-Dichloro-2-b...	11.085	75	28848	71.835	ug/l	# 12
95) Naphthalene	13.780	128	273	2.005	ug/l	# 69

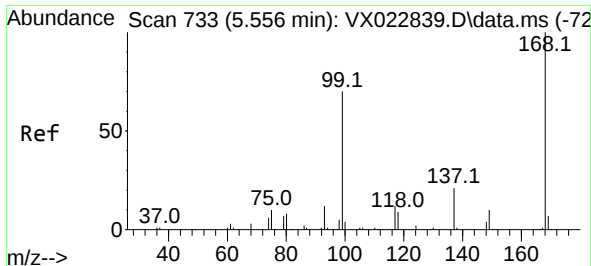
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063021\
Data File : VX023057.D
Acq On : 01 Jul 2021 01:31
Operator : JC/MD
Sample : PB137429ZHE#01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

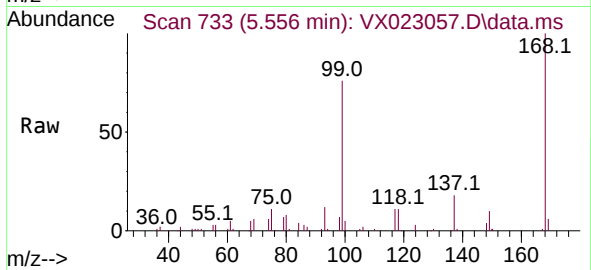
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 19:12:26 2021
Response via : Initial Calibration



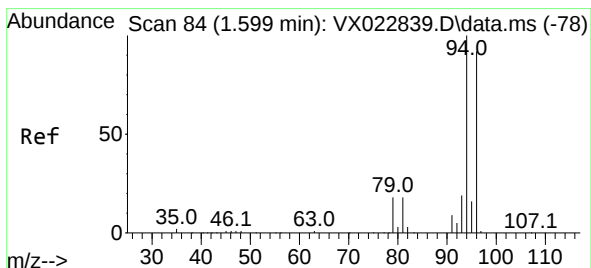
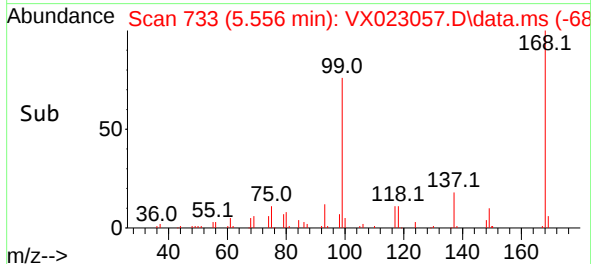
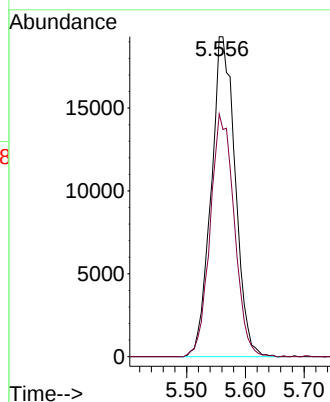


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Instrument :
MSVOA_X
ClientSampleId :

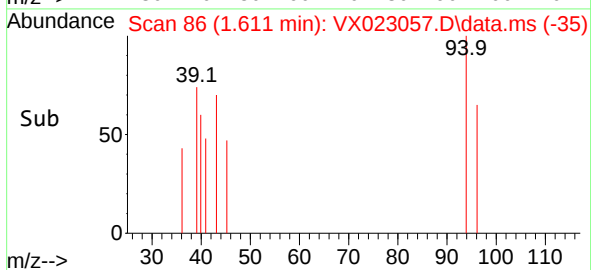
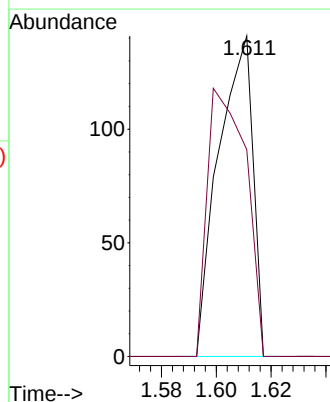
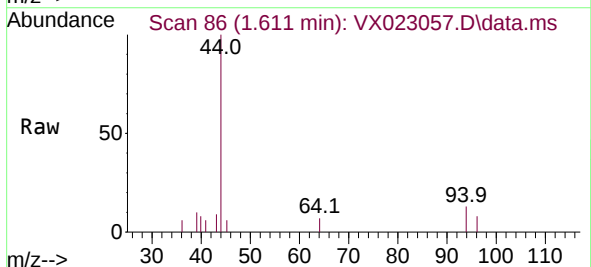


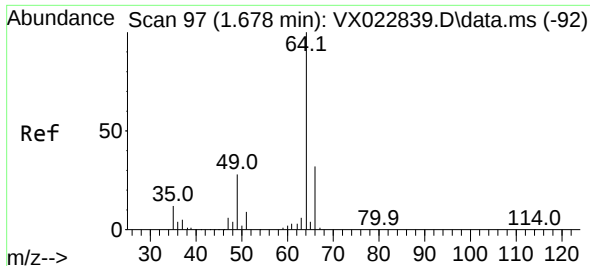
Tgt Ion:168 Resp: 54892
Ion Ratio Lower Upper
168 100
99 75.8 45.8 68.6#



#5
Bromomethane
Concen: 0.285 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Tgt Ion: 94 Resp: 123
Ion Ratio Lower Upper
94 100
96 64.5 76.4 114.6#

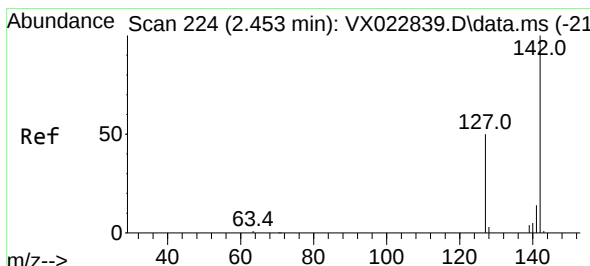
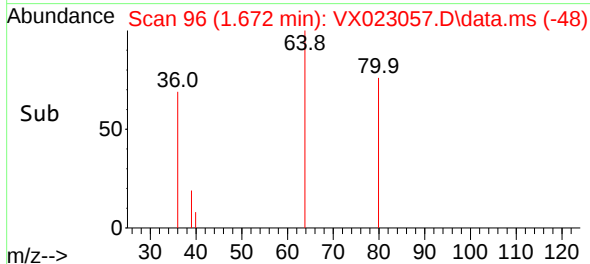
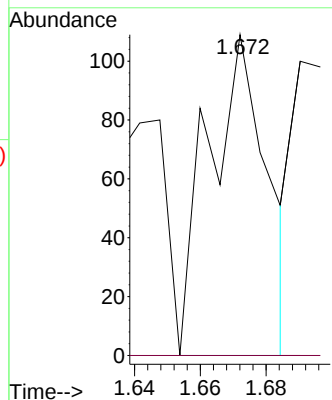
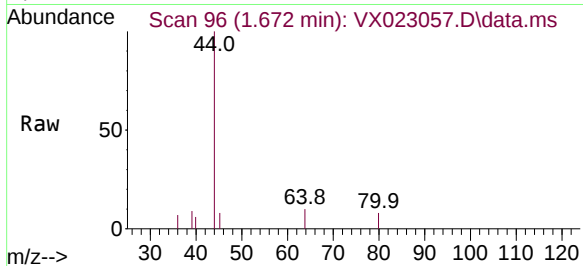




#6
Chloroethane
Concen: 0.280 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

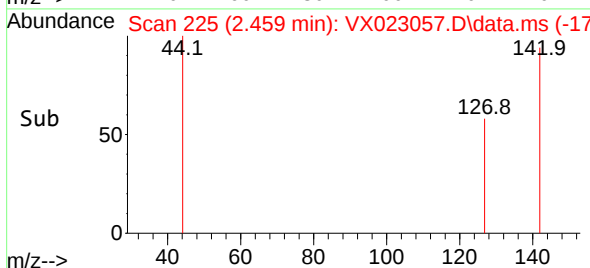
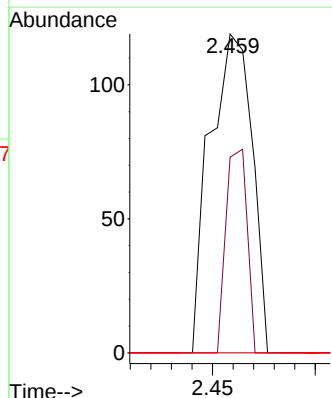
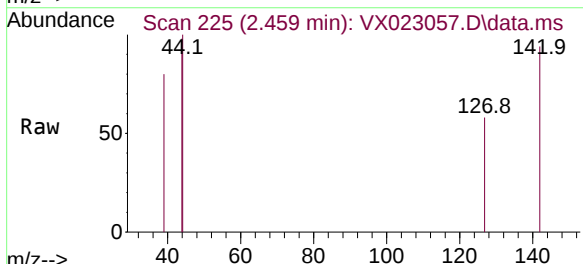
Instrument :
MSVOA_X
ClientSampled :

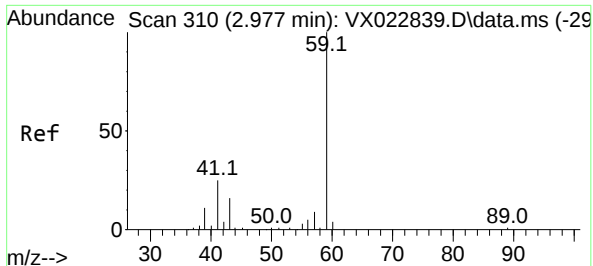
Tgt Ion: 64 Resp: 136
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 4.062 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Tgt Ion: 142 Resp: 170
Ion Ratio Lower Upper
142 100
127 31.8 33.3 49.9#
141 0.0 11.4 17.0#



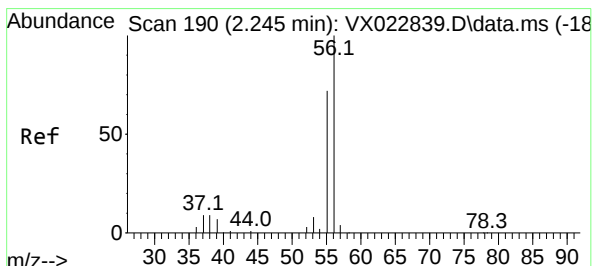
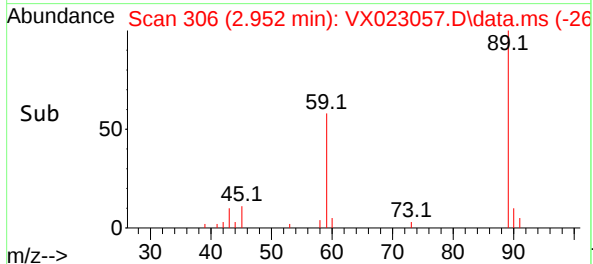
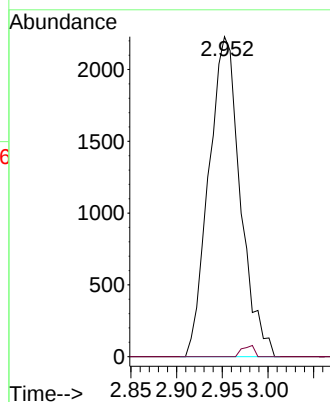
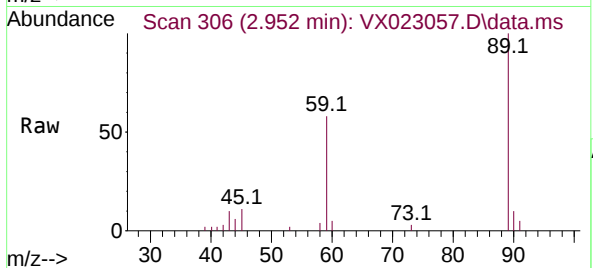


#11

Tert butyl alcohol
Concen: 25.769 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.025 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Instrument :
MSVOA_X
ClientSampleId :

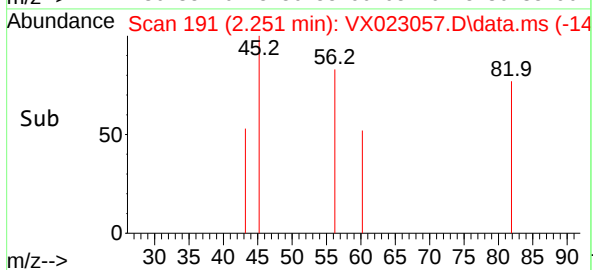
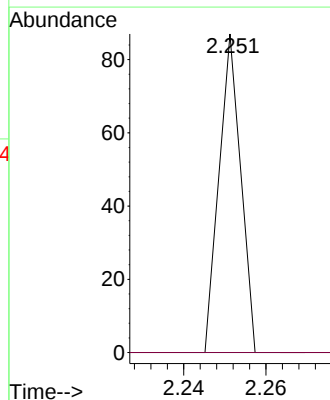
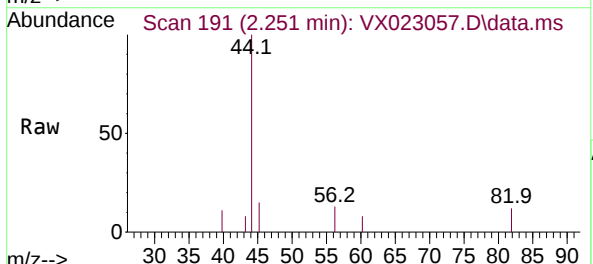
Tgt Ion: 59 Resp: 5350
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

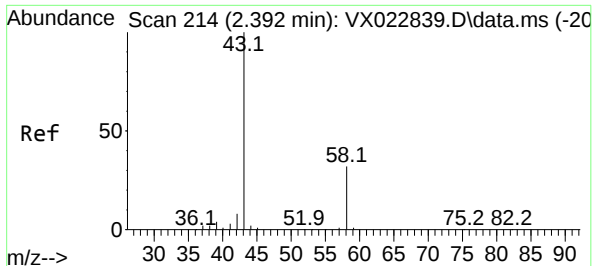


#13

Acrolein
Concen: 0.248 ug/l
RT: 2.251 min Scan# 191
Delta R.T. 0.006 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Tgt Ion: 56 Resp: 32
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

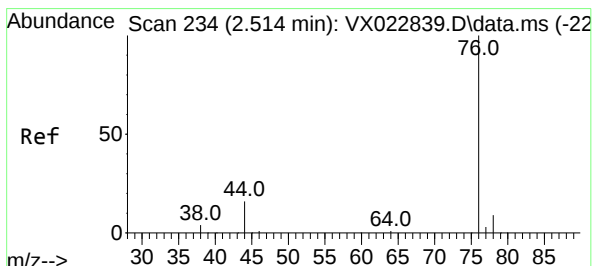
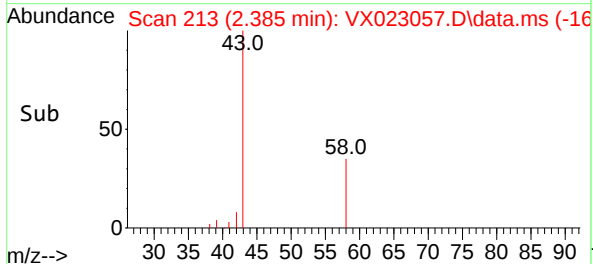
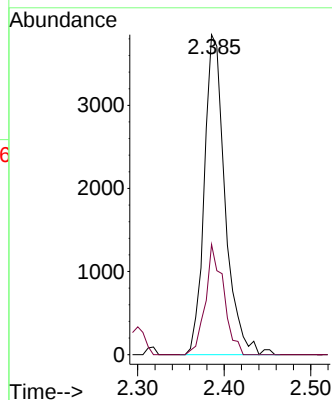
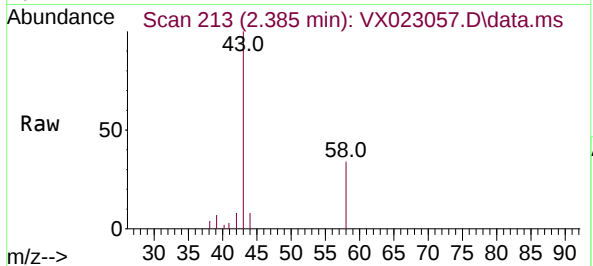




#16
Acetone
Concen: 14.499 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

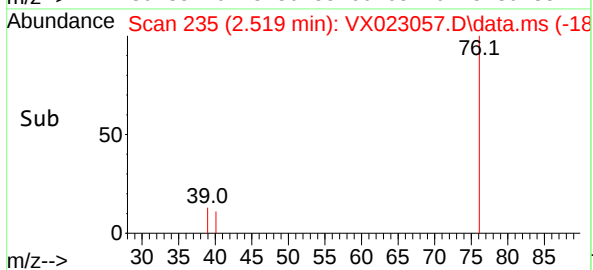
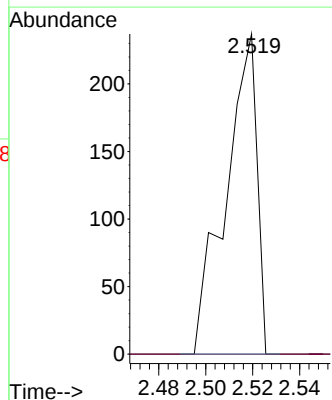
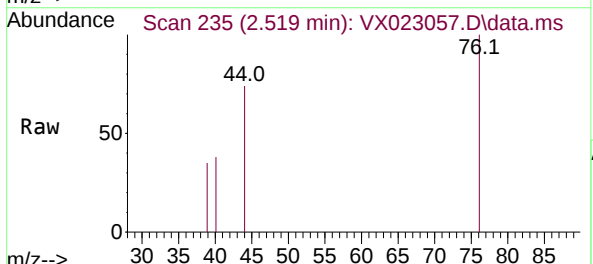
Instrument :
MSVOA_X
ClientSampled :

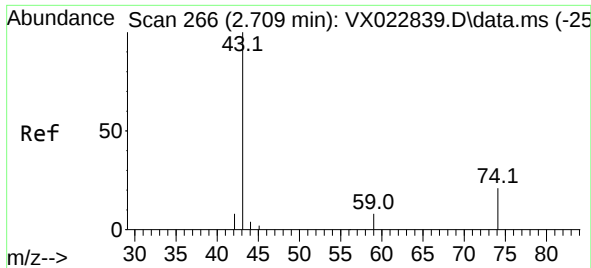
Tgt Ion: 43 Resp: 6403
Ion Ratio Lower Upper
43 100
58 34.4 27.8 41.8



#17
Carbon Disulfide
Concen: 3.620 ug/l
RT: 2.519 min Scan# 235
Delta R.T. 0.005 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Tgt Ion: 76 Resp: 218
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

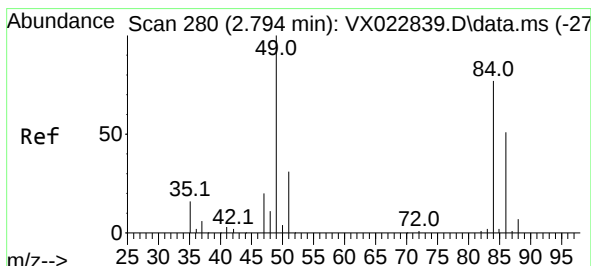
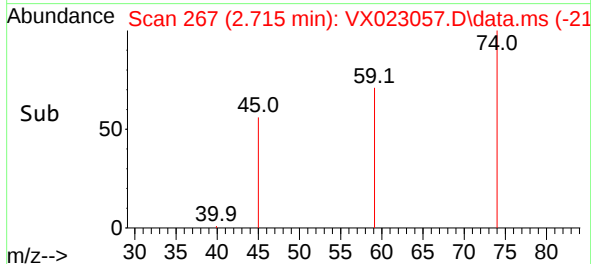
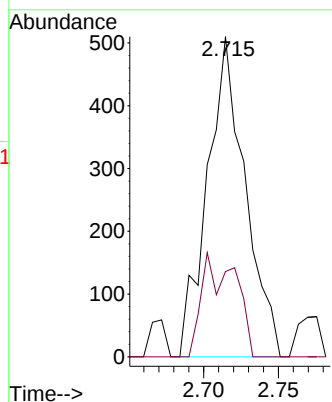
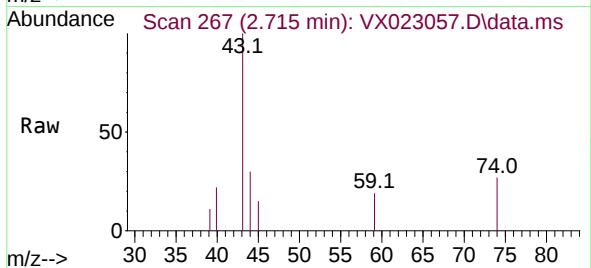




#18
Methyl Acetate
Concen: 0.826 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

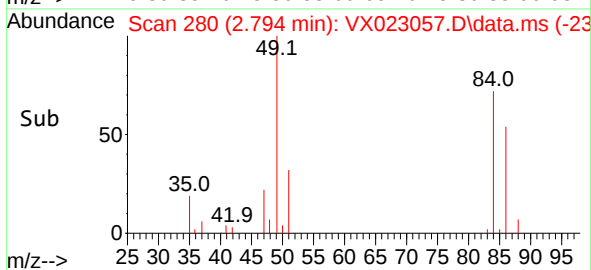
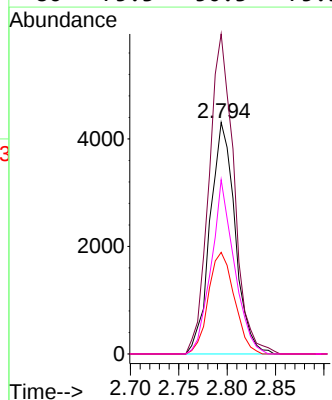
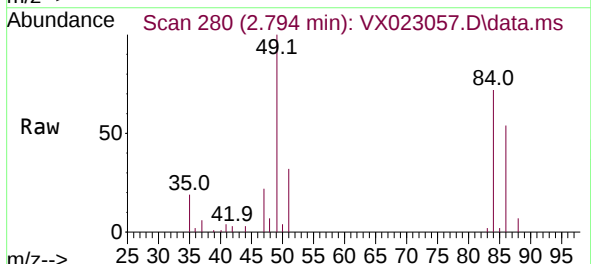
Instrument :
MSVOA_X
ClientSampled :

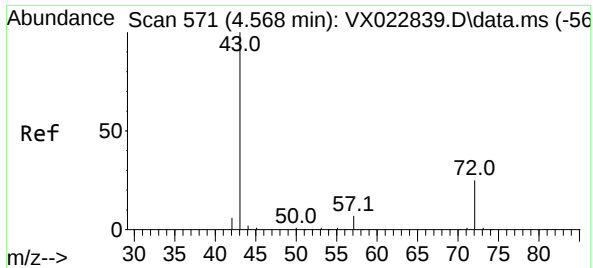
Tgt Ion: 43 Resp: 898
Ion Ratio Lower Upper
43 100
74 13.6 21.9 32.9#



#20
Methylene Chloride
Concen: 9.152 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Tgt Ion: 84 Resp: 7748
Ion Ratio Lower Upper
84 100
49 138.2 88.6 132.8#
51 43.9 27.0 40.6#
86 75.3 50.3 75.5





#25

2-Butanone

Concen: 5.324 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX023057.D

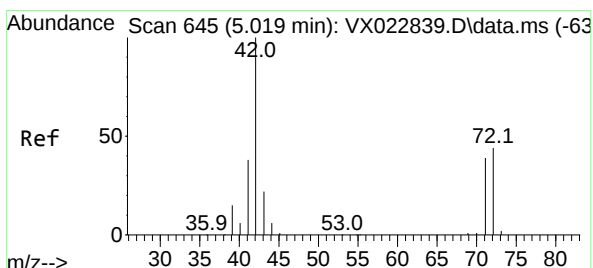
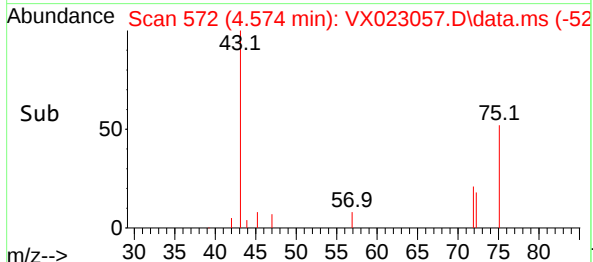
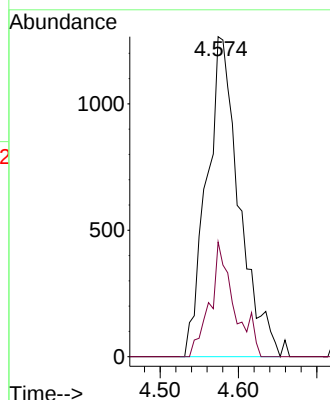
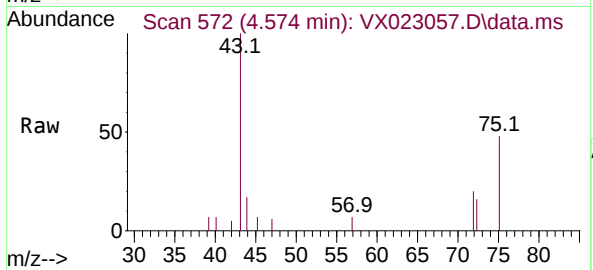
Acq: 01 Jul 2021 01:31

Tgt Ion: 43 Resp: 3656

Ion Ratio Lower Upper

43 100

72 35.9 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.790 ug/l

RT: 5.037 min Scan# 648

Delta R.T. 0.018 min

Lab File: VX023057.D

Acq: 01 Jul 2021 01:31

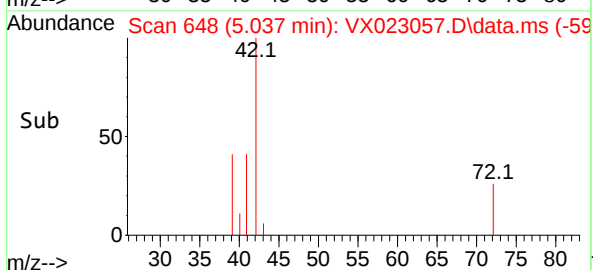
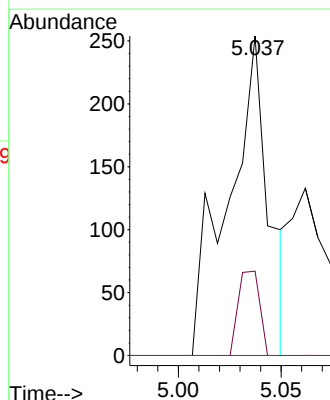
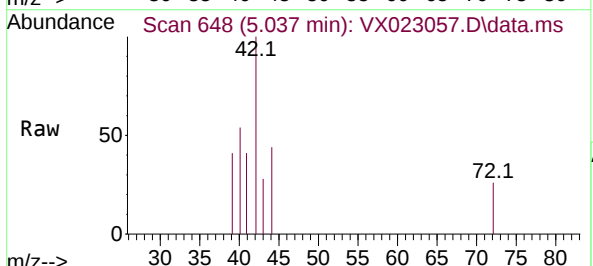
Tgt Ion: 42 Resp: 349

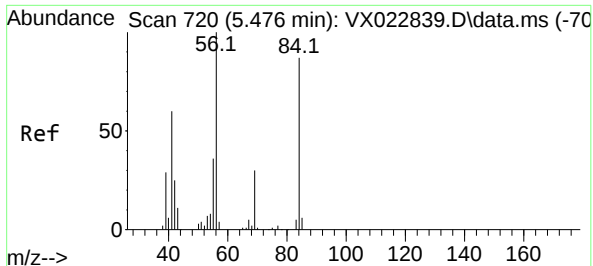
Ion Ratio Lower Upper

42 100

72 14.0 41.7 62.5#

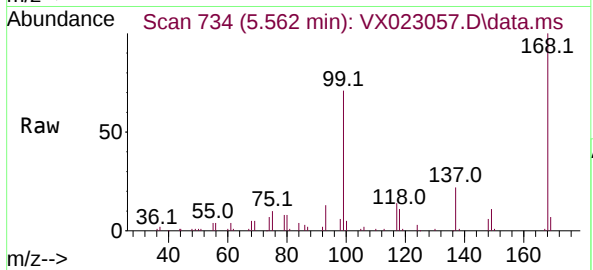
71 0.0 38.4 57.6#



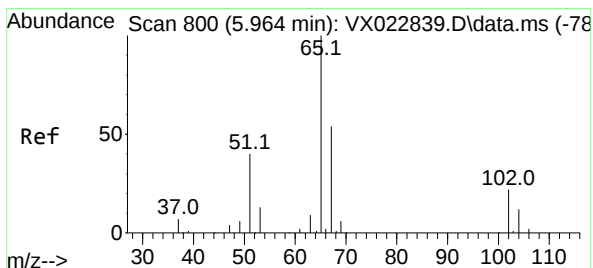
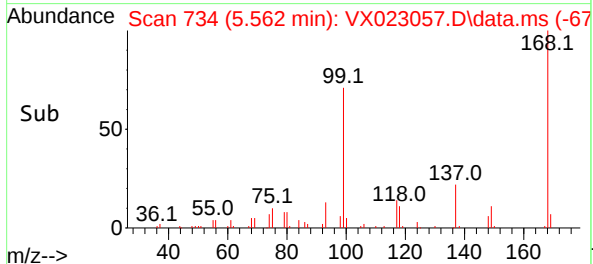
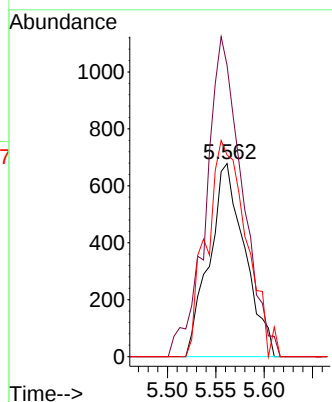


#31
Cyclohexane
Concen: 1.225 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.086 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Instrument :
MSVOA_X
ClientSampleId :

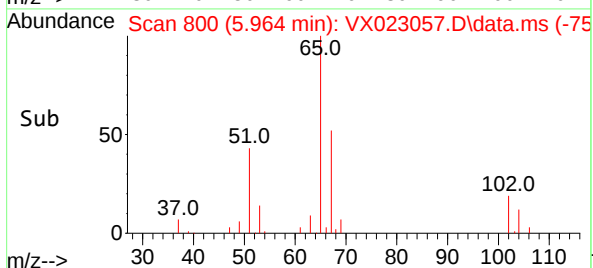
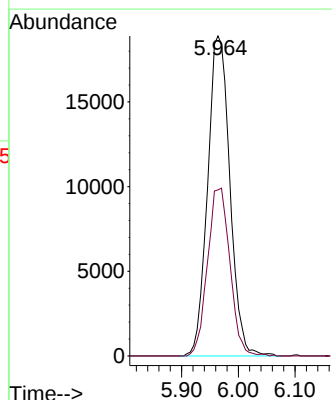
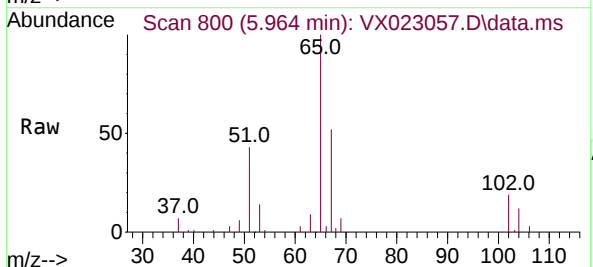


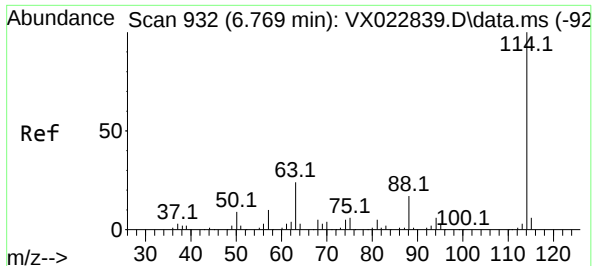
Tgt Ion: 56 Resp: 1723
Ion Ratio Lower Upper
56 100
69 150.9 25.3 37.9#
84 104.4 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 51.728 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Tgt Ion: 65 Resp: 51530
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.4

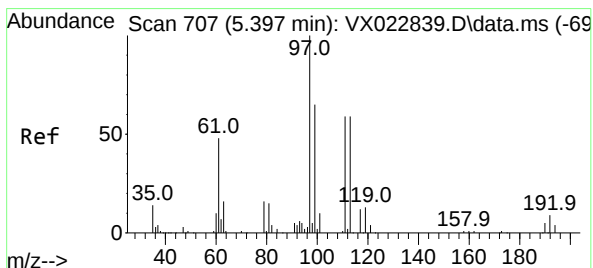
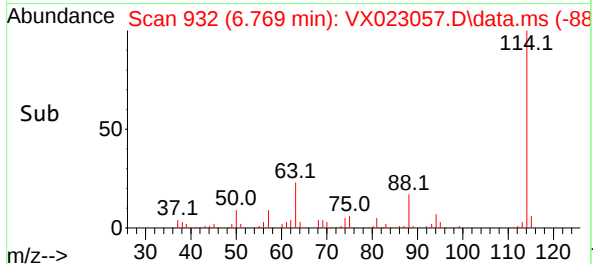
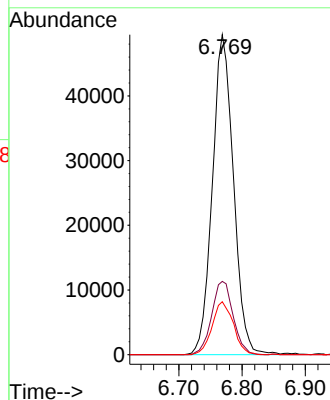
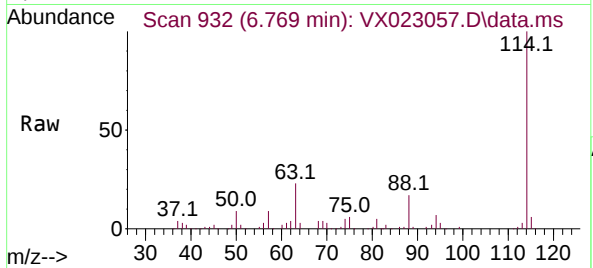




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

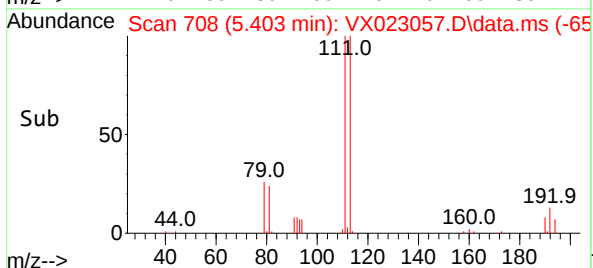
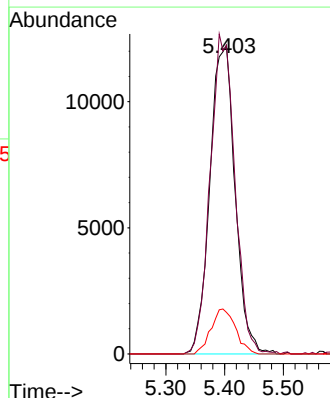
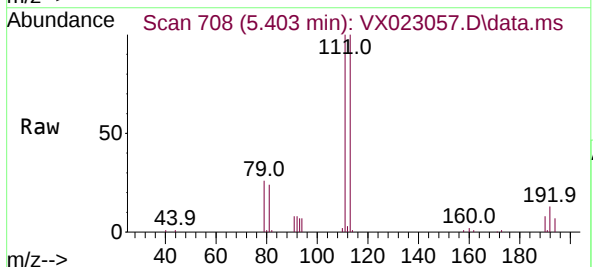
Instrument :
MSVOA_X
ClientSampleId :

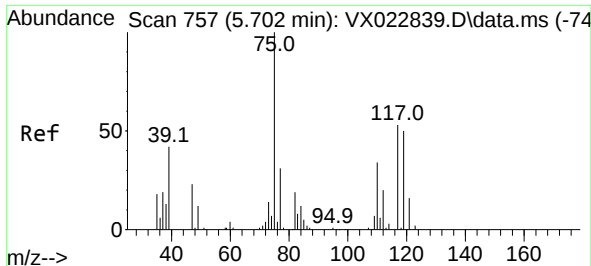
Tgt Ion:114 Resp: 114388
Ion Ratio Lower Upper
114 100
63 22.9 0.0 40.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.247 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Tgt Ion:113 Resp: 36499
Ion Ratio Lower Upper
113 100
111 101.5 81.9 122.9
192 14.2 16.7 25.1#

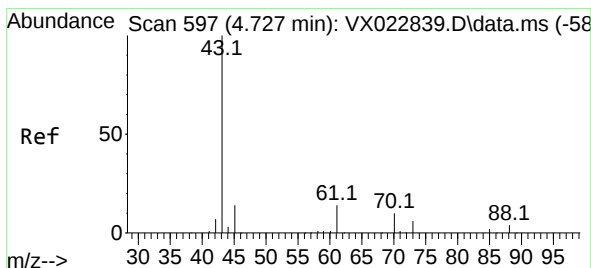
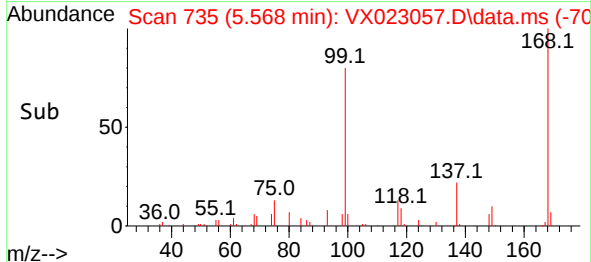
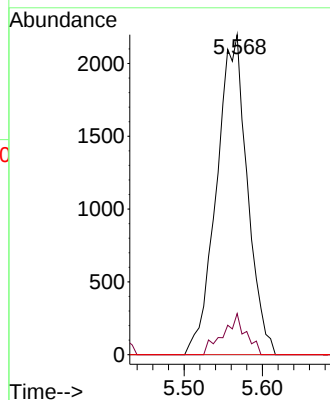
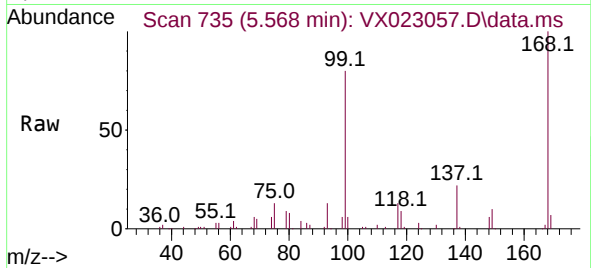




#36
1,1-Dichloropropene
Concen: 4.926 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

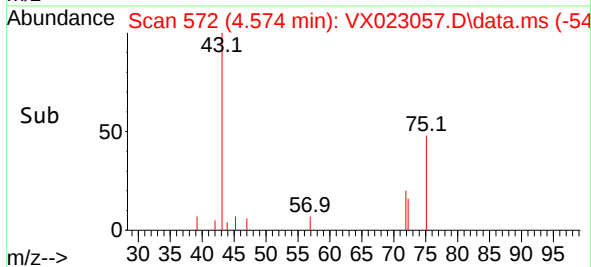
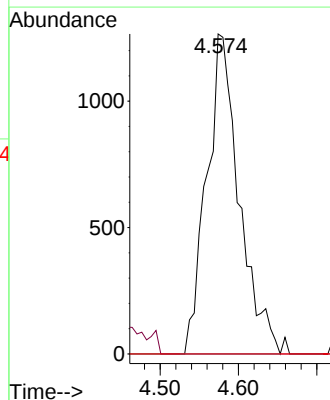
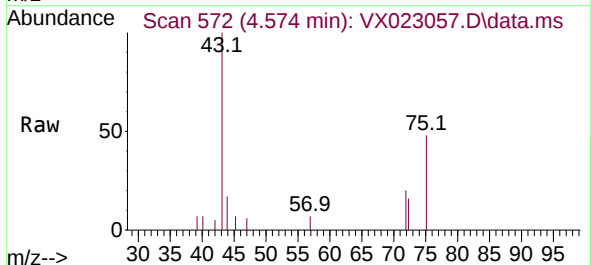
Instrument :
MSVOA_X
ClientSampleId :

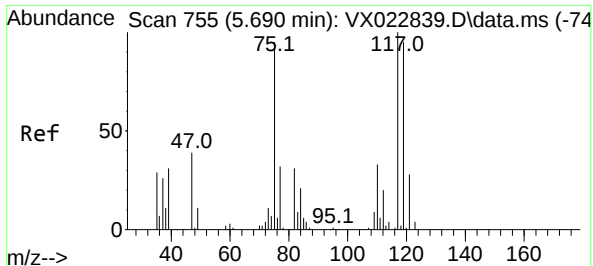
Tgt Ion:	75	Resp:	5985
Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.1	54.4#
77	0.0	25.3	37.9#



#37
Ethyl Acetate
Concen: 2.598 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.153 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

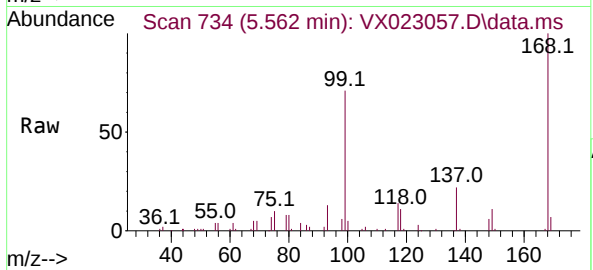
Tgt Ion:	43	Resp:	3656
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



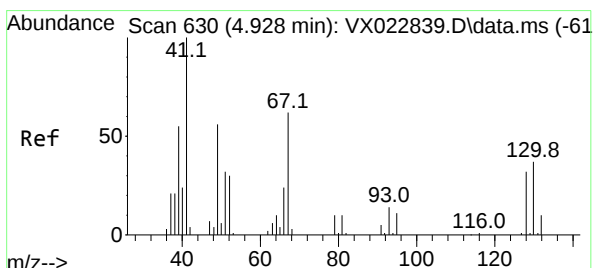
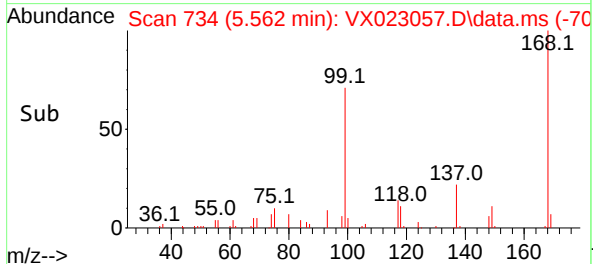
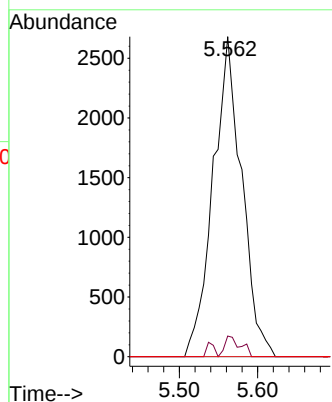


#38
Carbon Tetrachloride
Concen: 6.691 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Instrument :
MSVOA_X
ClientSampleId :

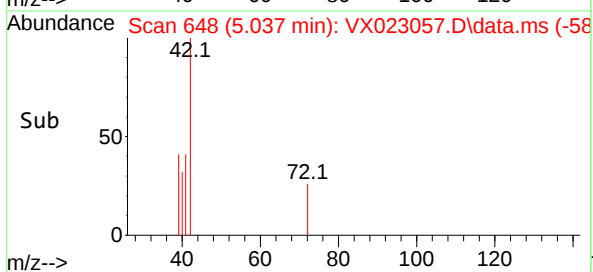
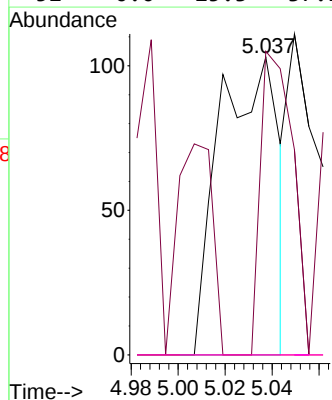
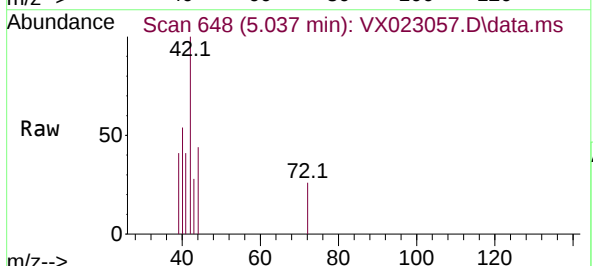


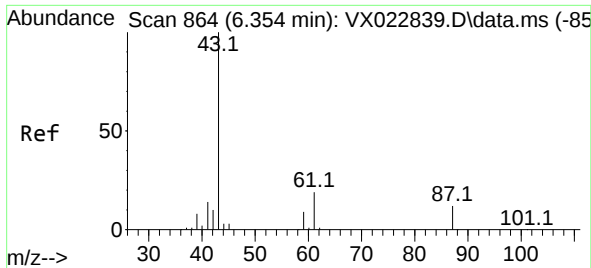
Tgt Ion:117 Resp: 6819
Ion Ratio Lower Upper
117 100
119 6.5 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.232 ug/l
RT: 5.037 min Scan# 648
Delta R.T. 0.109 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Tgt Ion: 41 Resp: 180
Ion Ratio Lower Upper
41 100
39 56.1 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

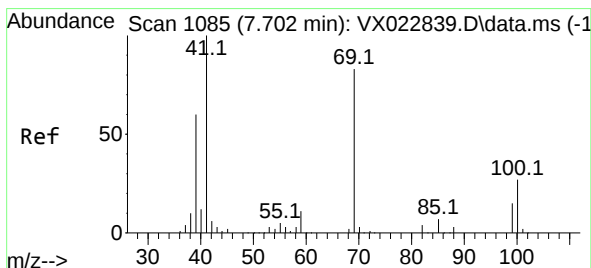
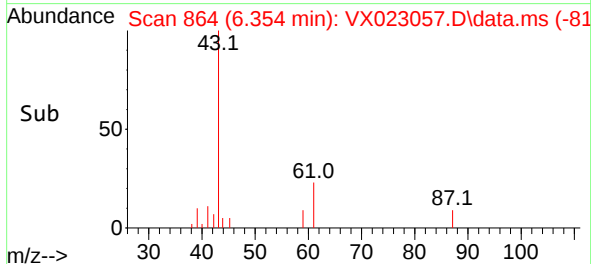
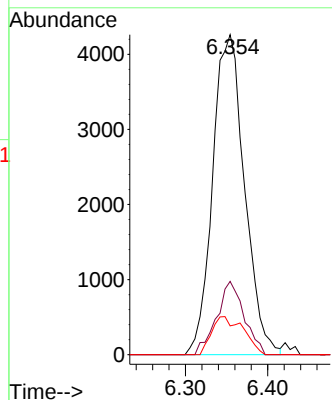
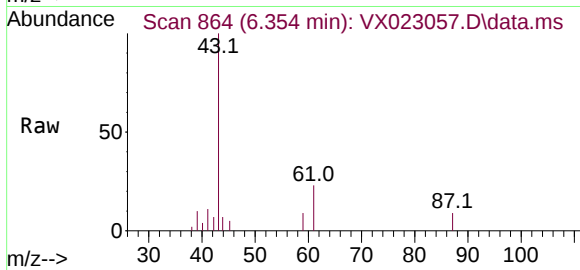




#43
Isopropyl Acetate
Concen: 5.071 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

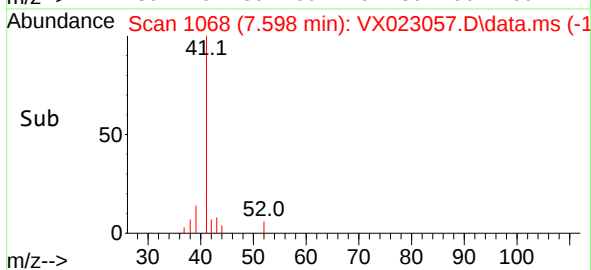
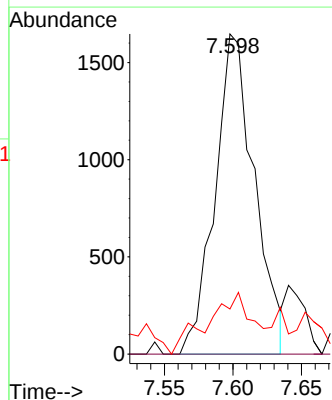
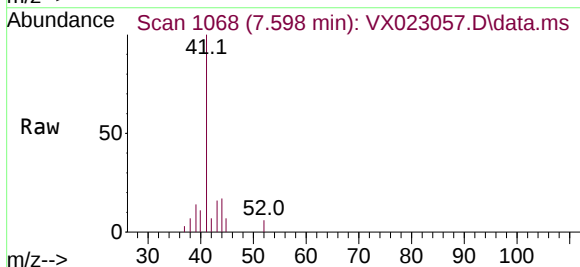
Instrument :
MSVOA_X
ClientSampleId :

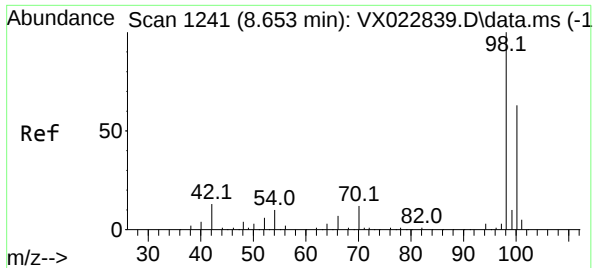
Tgt Ion:	43	Resp:	11475
Ion	Ratio	Lower	Upper
43	100		
61	19.8	18.2	27.4
87	11.8	12.5	18.7#



#48
Methyl methacrylate
Concen: 3.156 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.104 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Tgt Ion:	41	Resp:	3305
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#

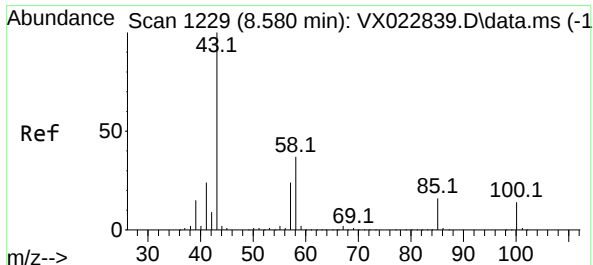
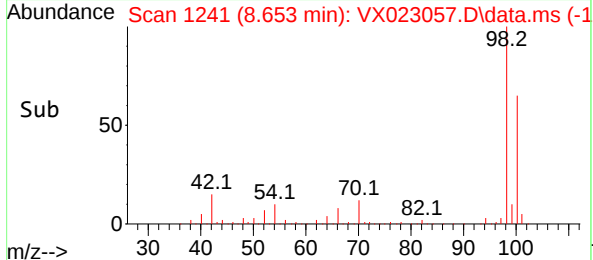
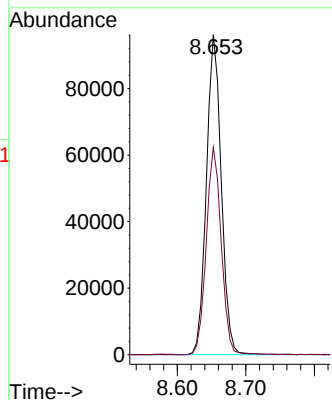
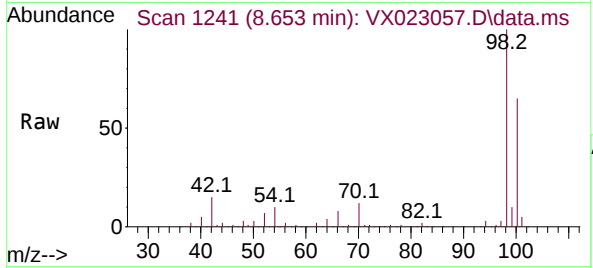




#50
Toluene-d8
Concen: 51.055 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

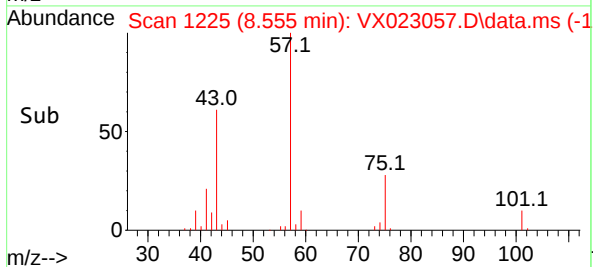
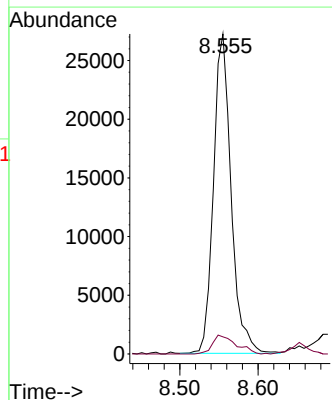
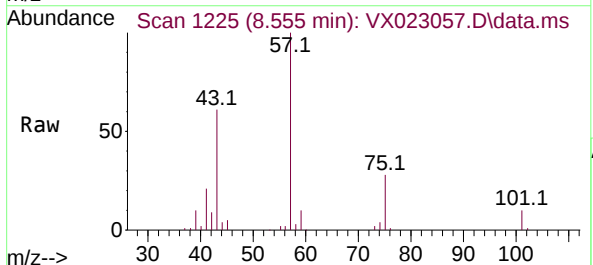
Instrument :
MSVOA_X
ClientSampled :

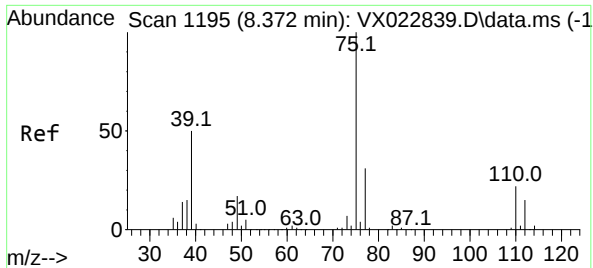
Tgt Ion: 98 Resp: 145348
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 30.199 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Tgt Ion: 43 Resp: 42527
Ion Ratio Lower Upper
43 100
58 7.8 35.4 53.0#

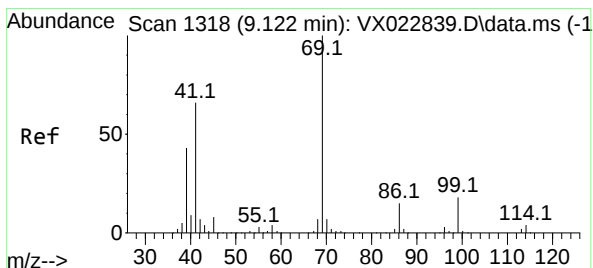
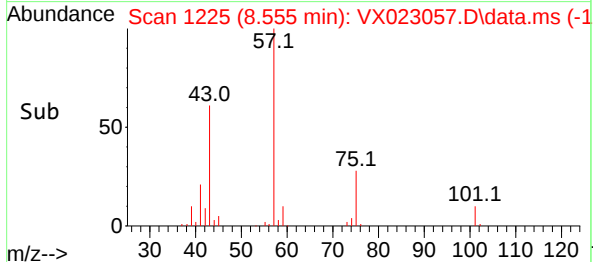
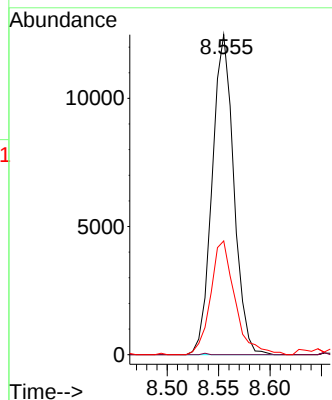
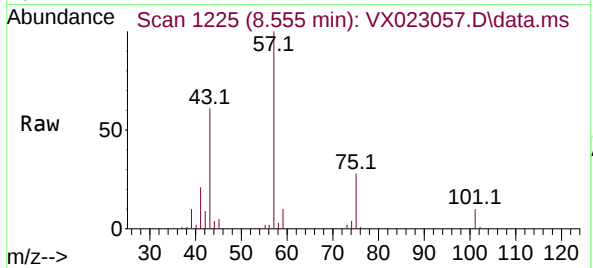




#54
cis-1,3-Dichloropropene
Concen: 13.848 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

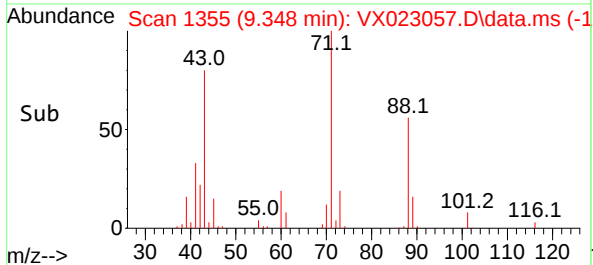
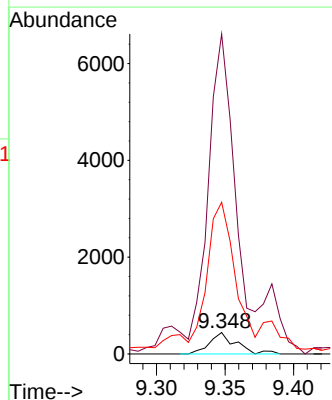
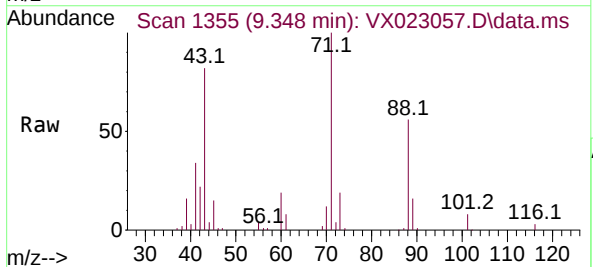
Instrument :
MSVOA_X
ClientSampled :

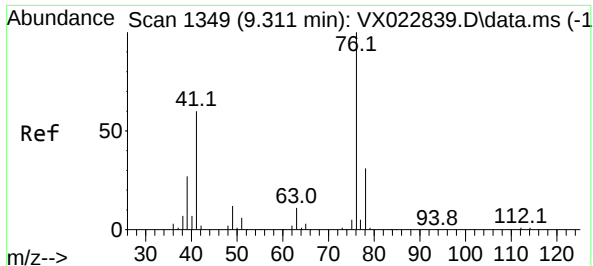
Tgt Ion: 75 Resp: 18252
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 35.5 35.1 52.7



#56
Ethyl methacrylate
Concen: 2.942 ug/l
RT: 9.348 min Scan# 1355
Delta R.T. 0.226 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Tgt Ion: 69 Resp: 600
Ion Ratio Lower Upper
69 100
41 1398.3 46.8 70.2#
39 729.0 24.7 37.1#



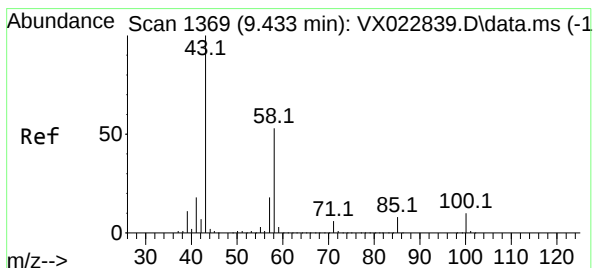
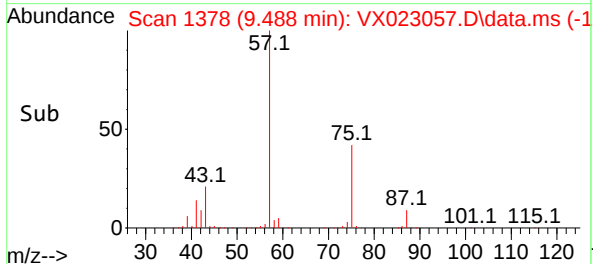
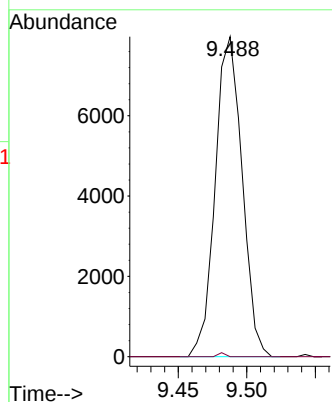
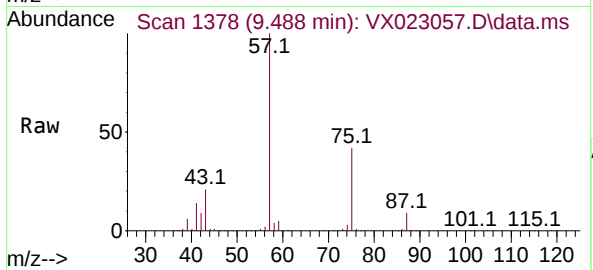


#57

1,3-Dichloropropane
Concen: 7.039 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Instrument :
MSVOA_X
ClientSampleId :

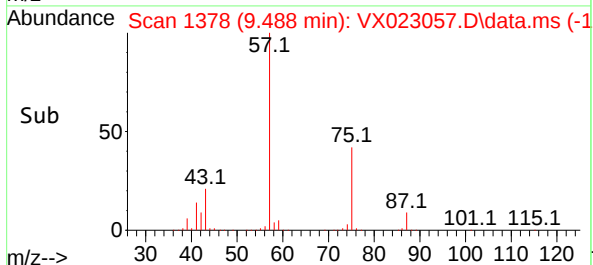
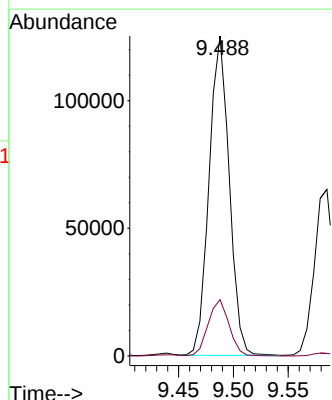
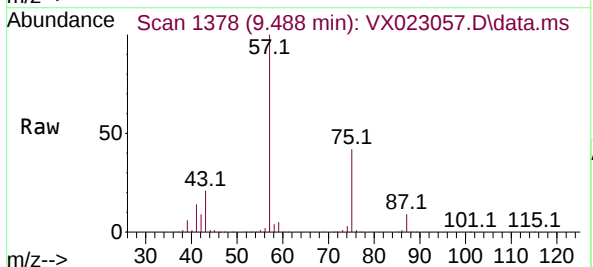
Tgt Ion: 76 Resp: 10872
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#

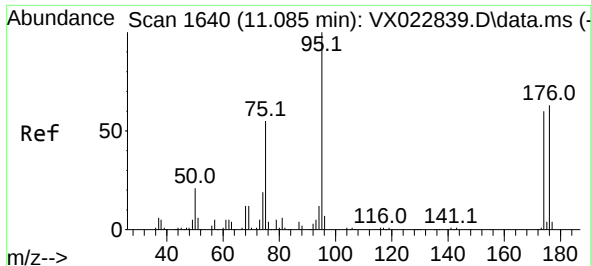


#59

2-Hexanone
Concen: 149.478 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Tgt Ion: 43 Resp: 159697
Ion Ratio Lower Upper
43 100
58 18.3 30.9 92.8#

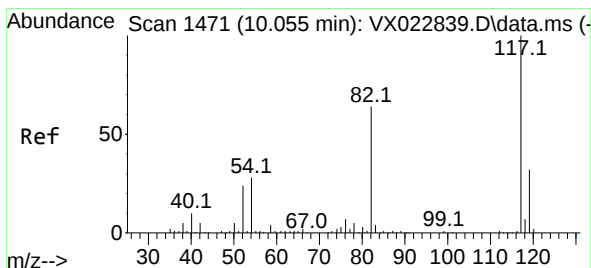
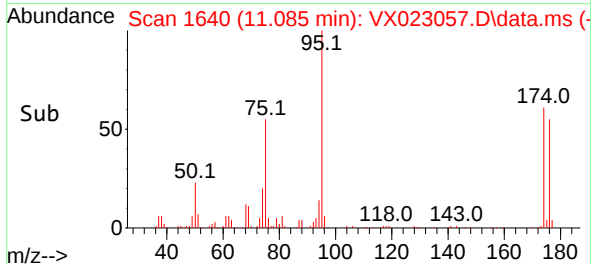
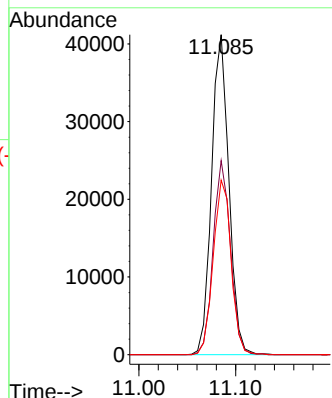
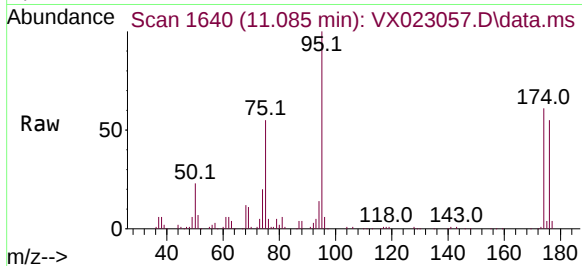




#62
4-Bromofluorobenzene
Concen: 48.230 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

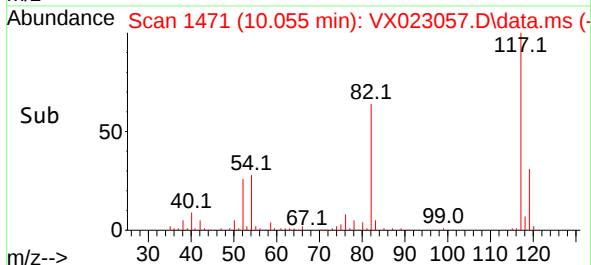
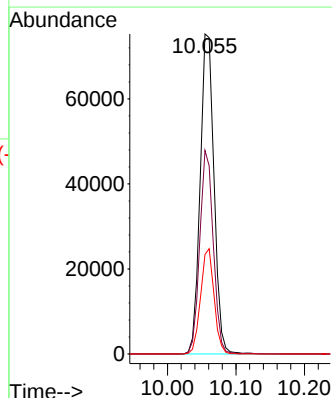
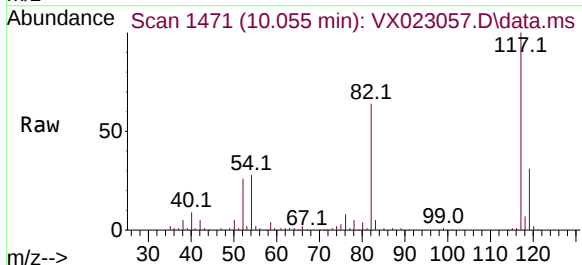
Instrument :
MSVOA_X
ClientSampleId :

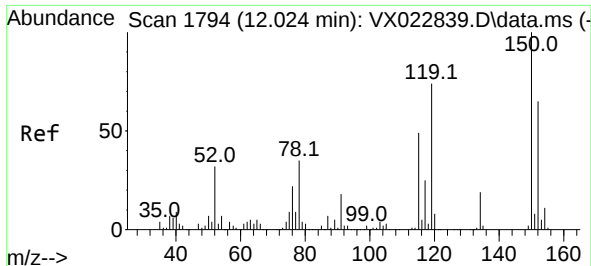
Tgt Ion: 95 Resp: 51243
Ion Ratio Lower Upper
95 100
174 60.5 0.0 154.6
176 56.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Tgt Ion: 117 Resp: 106213
Ion Ratio Lower Upper
117 100
82 63.6 47.4 71.2
119 31.1 26.6 39.8

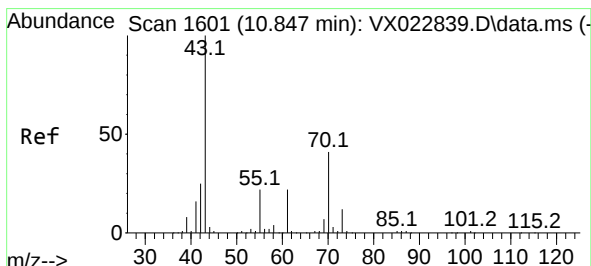
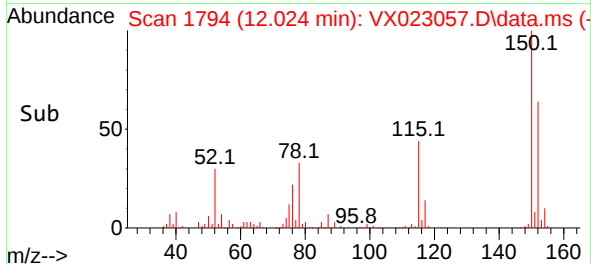
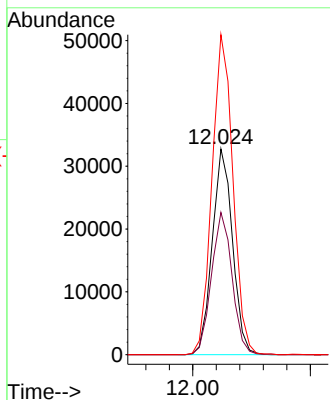
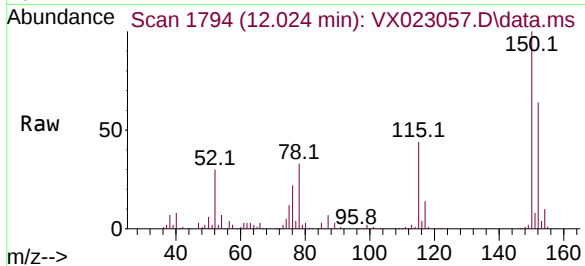




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: VX023057.D
 Acq: 01 Jul 2021 01:31

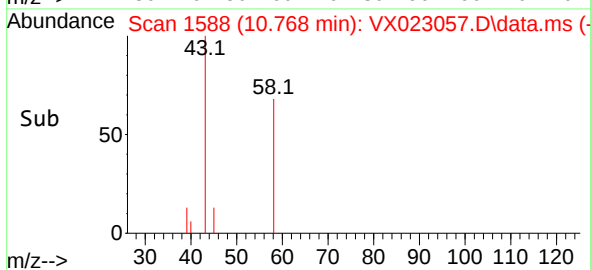
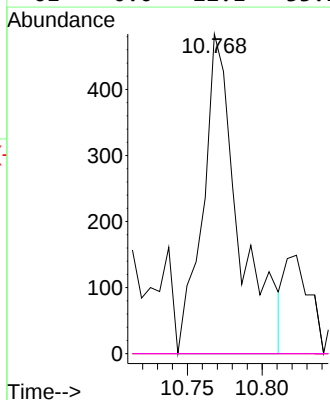
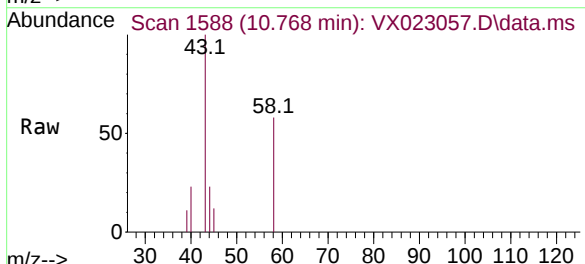
Instrument :
 MSVOA_X
 ClientSampled :

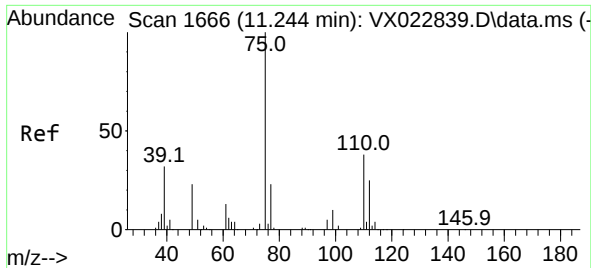
Tgt Ion:152 Resp: 39278
 Ion Ratio Lower Upper
 152 100
 115 70.3 41.1 123.3
 150 160.5 0.0 349.0



#74
 N-ethyl acetate
 Concen: 2.469 ug/l
 RT: 10.768 min Scan# 1588
 Delta R.T. -0.079 min
 Lab File: VX023057.D
 Acq: 01 Jul 2021 01:31

Tgt Ion: 43 Resp: 811
 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#

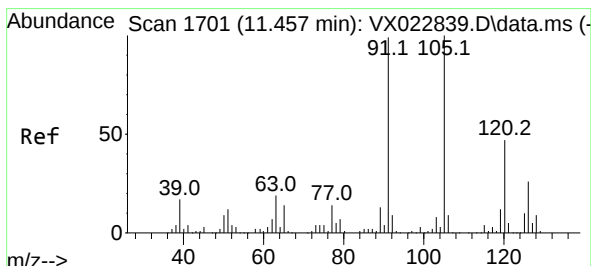
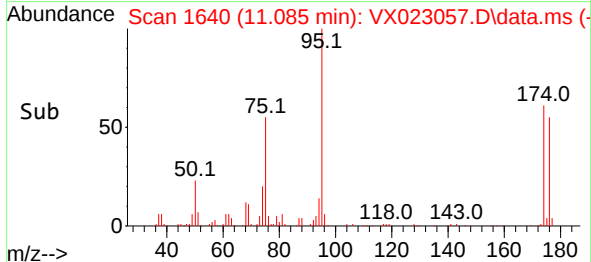
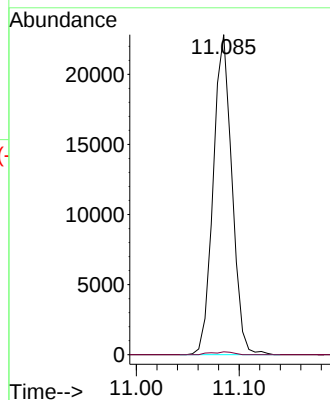
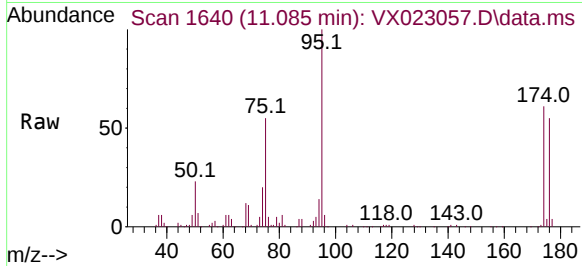




#76
1,2,3-Trichloropropane
Concen: 27.806 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

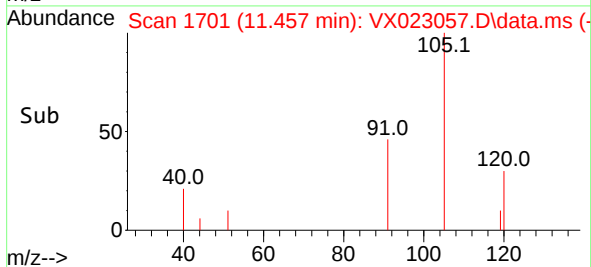
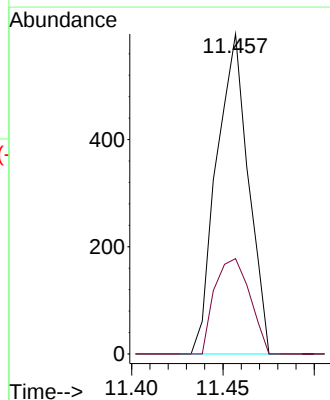
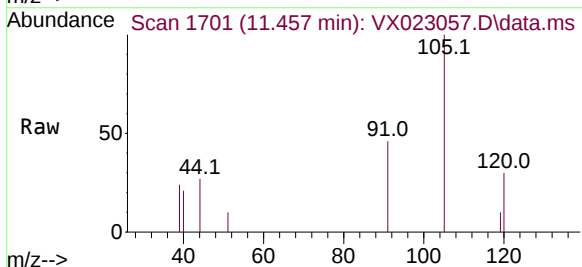
Instrument :
MSVOA_X
ClientSampled :

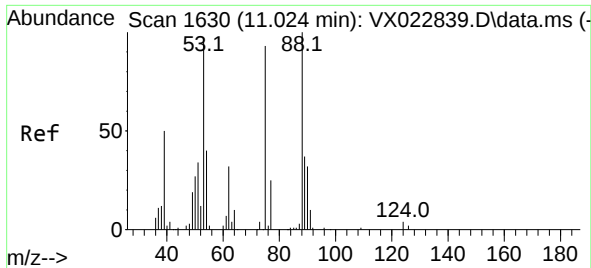
Tgt Ion: 75 Resp: 28848
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.265 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Tgt Ion:105 Resp: 723
Ion Ratio Lower Upper
105 100
120 32.9 23.8 71.5

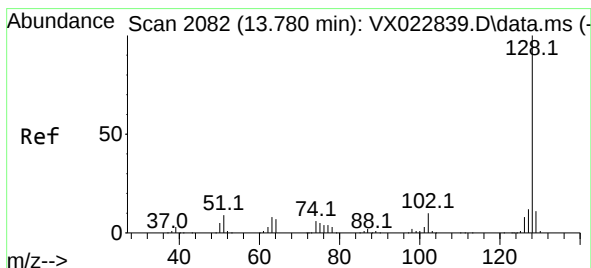
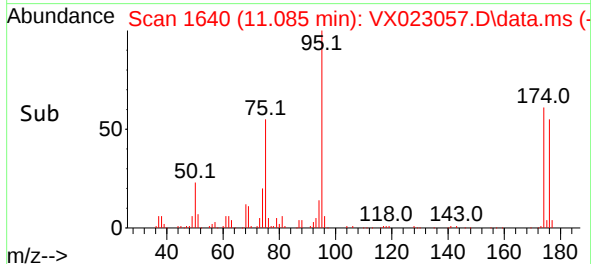
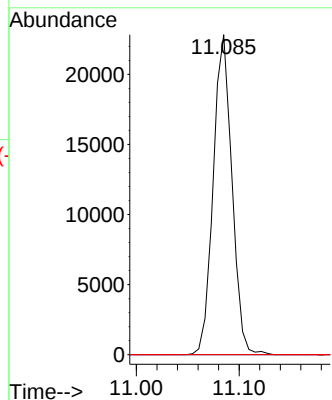
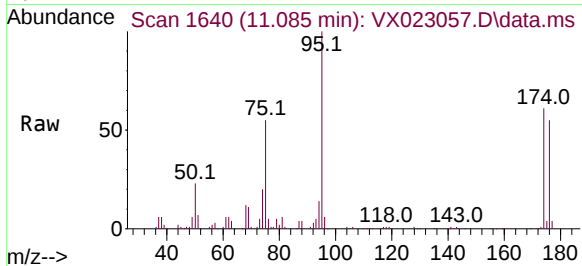




#81
trans-1,4-Dichloro-2-butene
Concen: 71.835 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 28848
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 2.005 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023057.D
Acq: 01 Jul 2021 01:31

Tgt Ion:128 Resp: 273
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

