

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060421\
 Data File : VX022435.D
 Acq On : 05 Jun 2021 00:28
 Operator : JC/MD
 Sample : PB136806ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 05 06:20:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

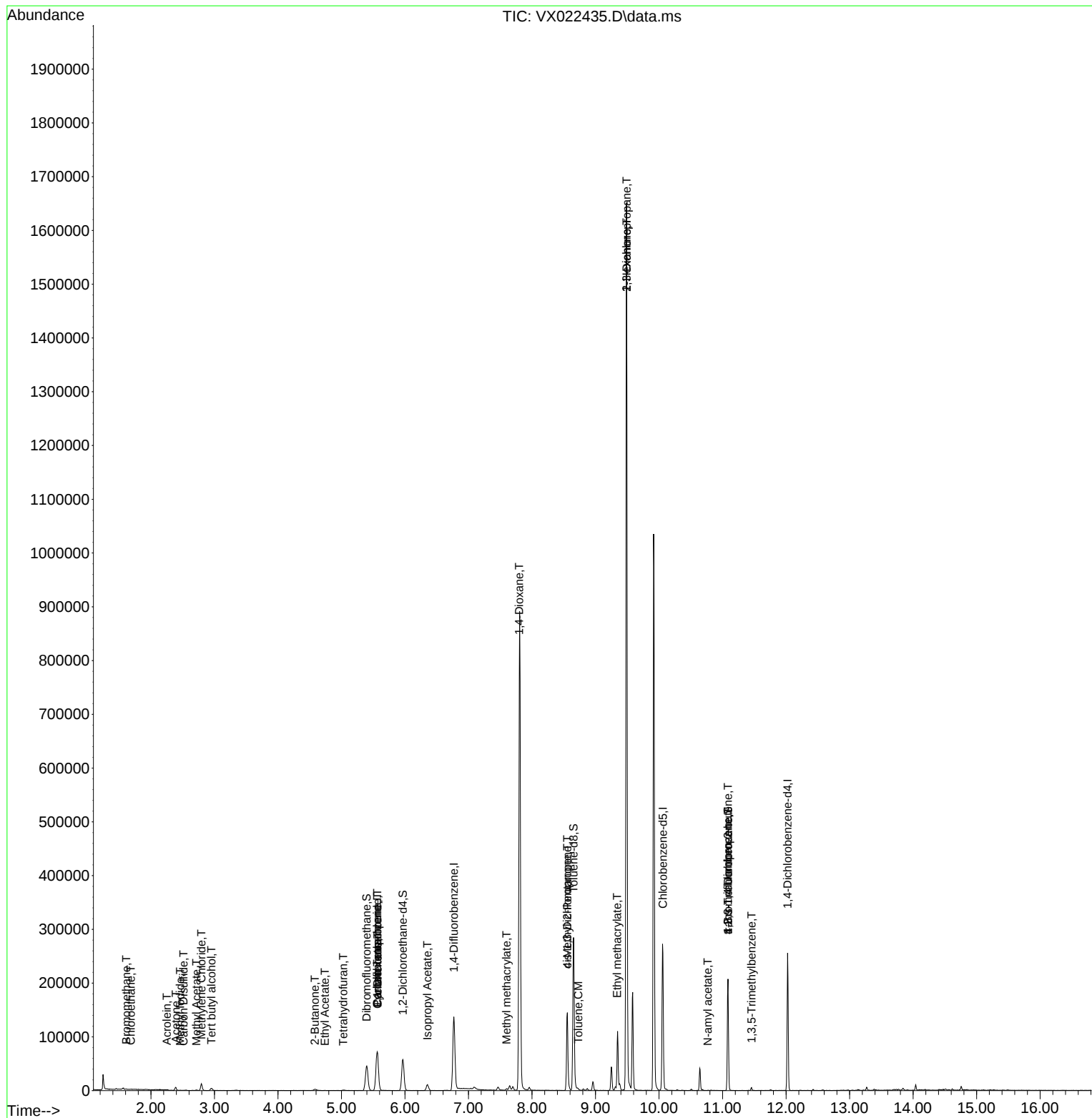
Internal Standards						
1) Pentafluorobenzene	5.562	168	61872	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	131367	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	117095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	45973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	53215	55.756	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 111.520%	
35) Dibromofluoromethane	5.397	113	39553	47.479	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.960%	
50) Toluene-d8	8.653	98	162906	50.764	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.520%	
62) 4-Bromofluorobenzene	11.085	95	57239	48.257	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.520%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	306	0.611	ug/l	85
6) Chloroethane	1.684	64	244	0.477	ug/l	# 43
10) Methyl Iodide	2.459	142	179	0.227	ug/l	# 83
11) Tert butyl alcohol	2.952	59	2549	11.677	ug/l	# 73
13) Acrolein	2.251	56	72	0.497	ug/l	# 14
16) Acetone	2.392	43	6278	15.107	ug/l	89
17) Carbon Disulfide	2.513	76	377	0.203	ug/l	# 75
18) Methyl Acetate	2.715	43	1083	0.980	ug/l	# 84
20) Methylene Chloride	2.794	84	5210	5.646	ug/l	# 85
25) 2-Butanone	4.580	43	2305	3.428	ug/l	# 76
29) Tetrahydrofuran	5.025	42	986	2.464	ug/l	# 36
31) Cyclohexane	5.568	56	1845	1.538	ug/l	# 9
36) 1,1-Dichloropropene	5.562	75	6029	4.963	ug/l	# 43
37) Ethyl Acetate	4.739	43	387	0.260	ug/l	# 64
38) Carbon Tetrachloride	5.562	117	7589	6.387	ug/l	# 16
43) Isopropyl Acetate	6.354	43	14456	5.935	ug/l	95
48) Methyl methacrylate	7.598	41	4450	3.964	ug/l	# 10
49) 1,4-Dioxane	7.799	88	138	6.314	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	51612	35.375	ug/l	# 44
52) Toluene	8.726	92	779	0.329	ug/l	91
54) cis-1,3-Dichloropropene	8.555	75	24044	14.968	ug/l	# 62
56) Ethyl methacrylate	9.342	69	376	0.242	ug/l	# 1
57) 1,3-Dichloropropane	9.488	76	13623	8.304	ug/l	# 42
59) 2-Hexanone	9.488	43	193373	176.224	ug/l	# 43
74) N-amyl acetate	10.768	43	403	0.218	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	30163	26.595	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.457	105	2224	0.690	ug/l	82
81) trans-1,4-Dichloro-2-b...	11.085	75	30163	63.013	ug/l	# 12

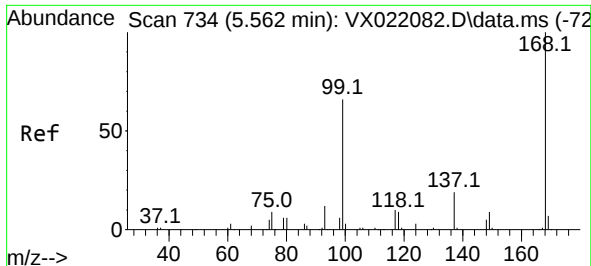
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060421\
Data File : VX022435.D
Acq On : 05 Jun 2021 00:28
Operator : JC/MD
Sample : PB136806ZHE#02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

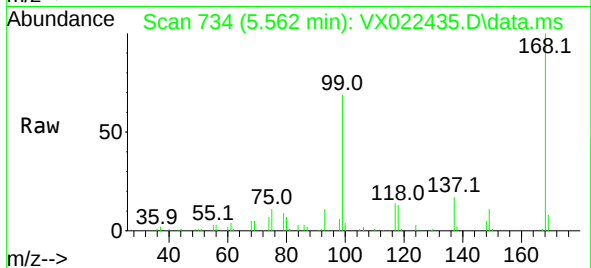
Quant Time: Jun 05 06:20:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
Response via : Initial Calibration



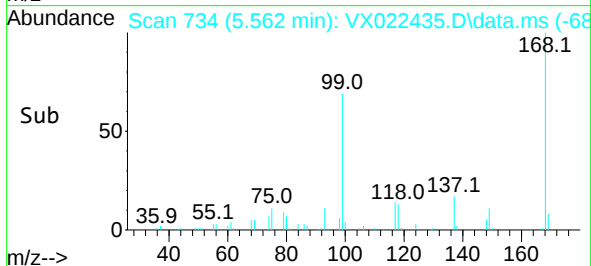
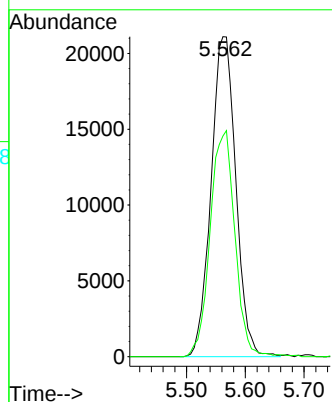


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

Instrument :
MSVOA_X
ClientSampled :

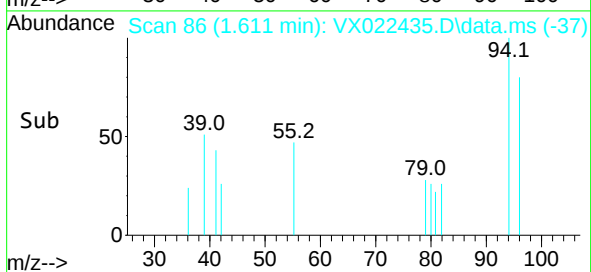
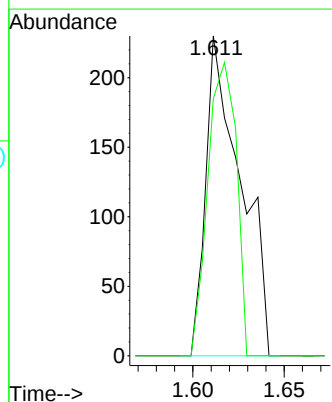
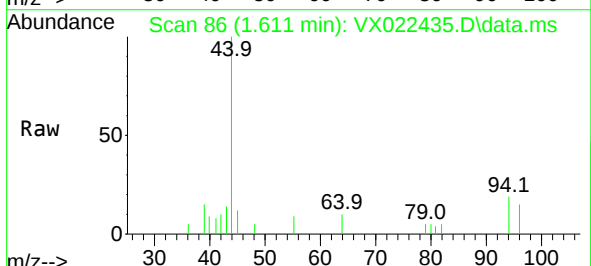


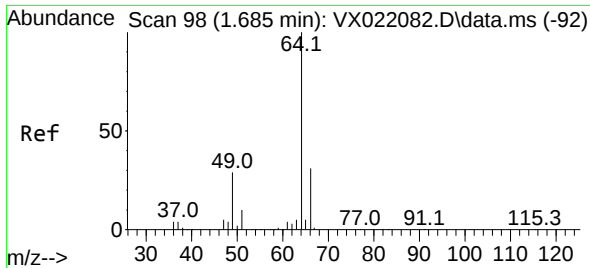
Tgt Ion:168 Resp: 61872
Ion Ratio Lower Upper
168 100
99 69.0 45.8 68.6#



#5
Bromomethane
Concen: 0.611 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.001 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

Tgt Ion: 94 Resp: 306
Ion Ratio Lower Upper
94 100
96 80.4 76.4 114.6

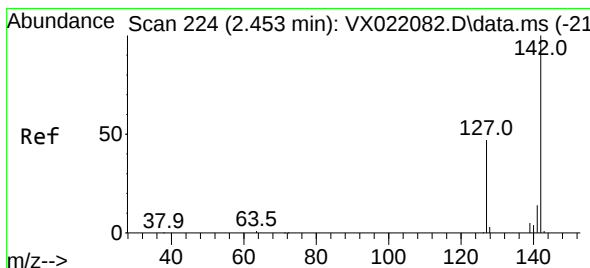
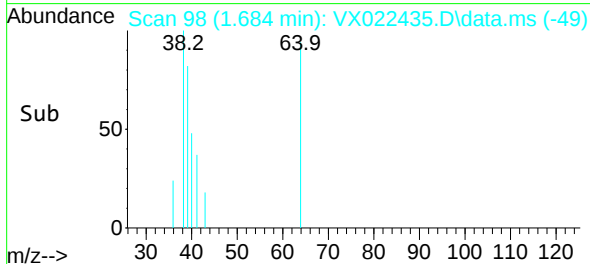
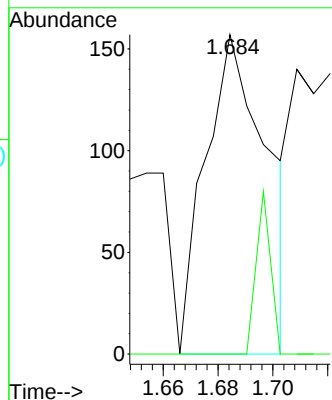
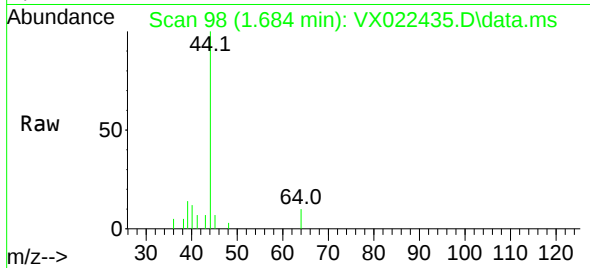




#6
Chloroethane
Concen: 0.477 ug/l
RT: 1.684 min Scan# 98
Delta R.T. -0.001 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

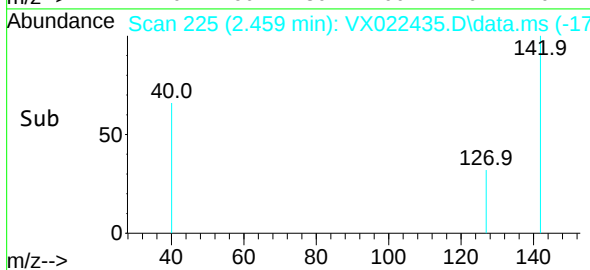
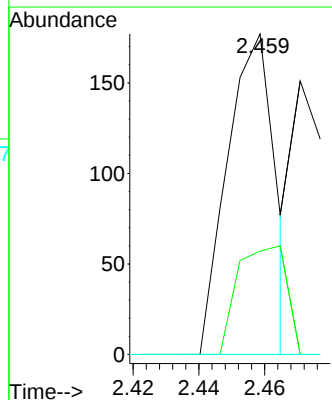
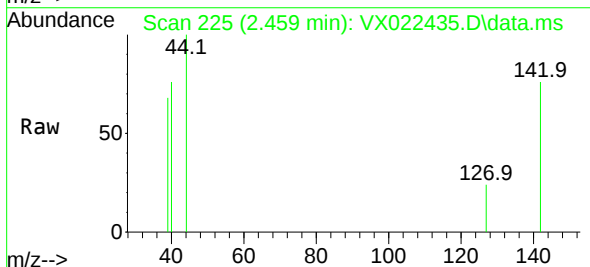
Instrument :
MSVOA_X
ClientSampled :

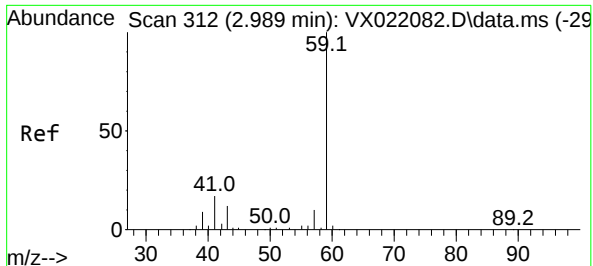
Tgt Ion: 64 Resp: 244
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.227 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

Tgt Ion: 142 Resp: 179
Ion Ratio Lower Upper
142 100
127 34.6 33.3 49.9
141 0.0 11.4 17.0#



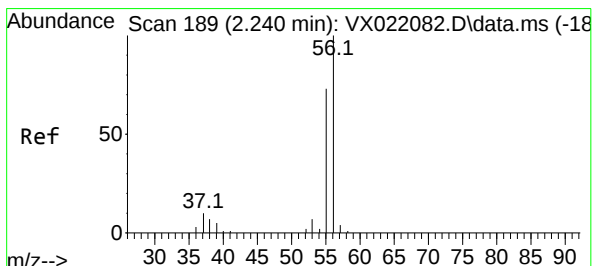
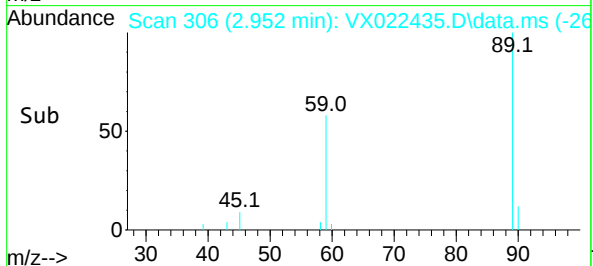
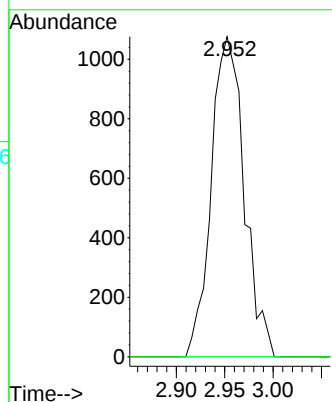
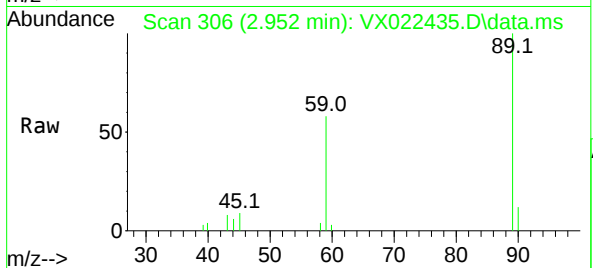


#11

Tert butyl alcohol
Concen: 11.677 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.037 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

Instrument :
MSVOA_X
ClientSampled :

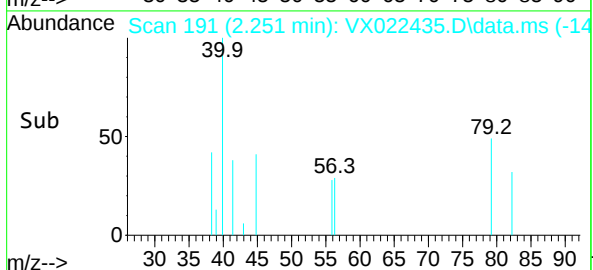
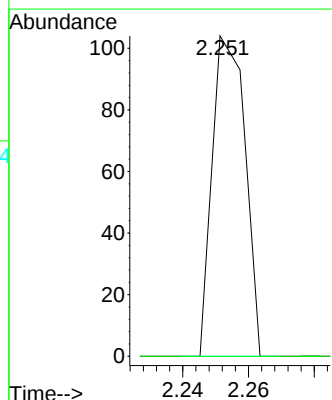
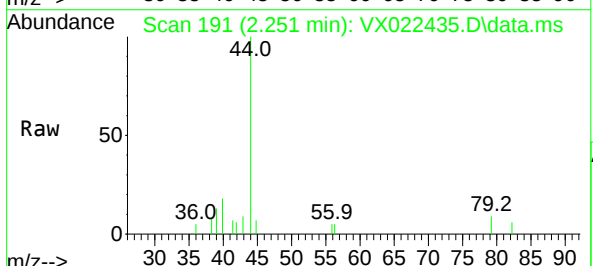
Tgt Ion: 59 Resp: 2549
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

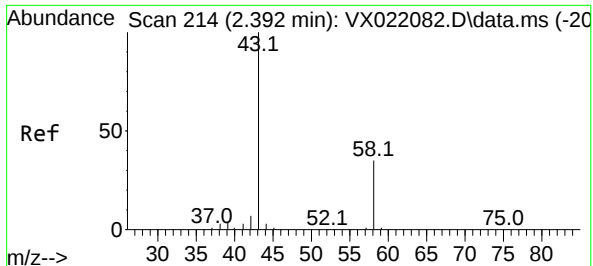


#13

Acrolein
Concen: 0.497 ug/l
RT: 2.251 min Scan# 191
Delta R.T. 0.011 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

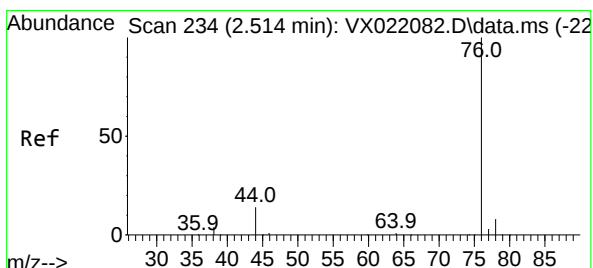
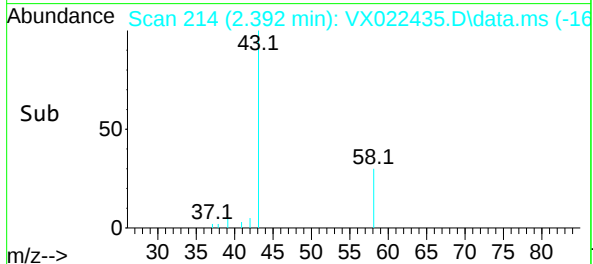
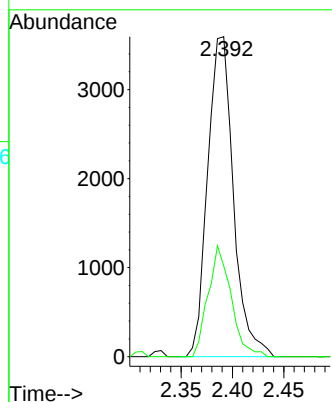
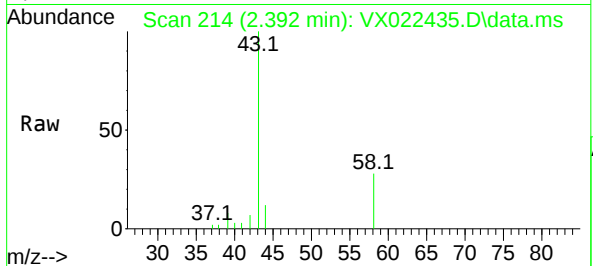




#16
Acetone
Concen: 15.107 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

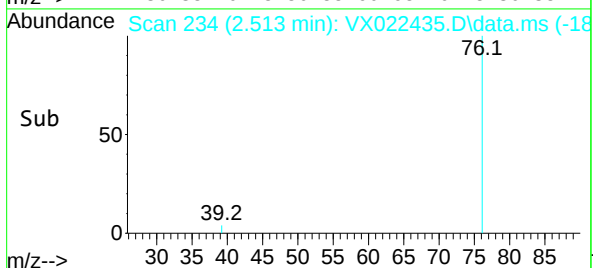
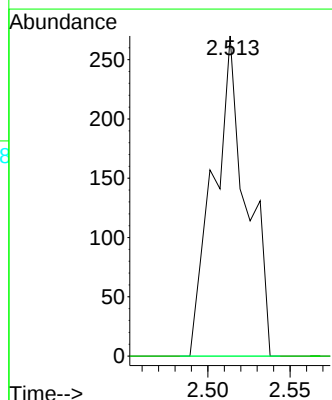
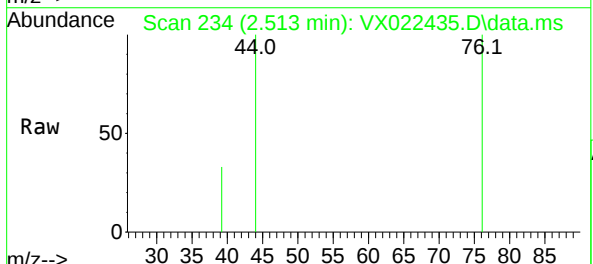
Instrument :
MSVOA_X
ClientSampleId :

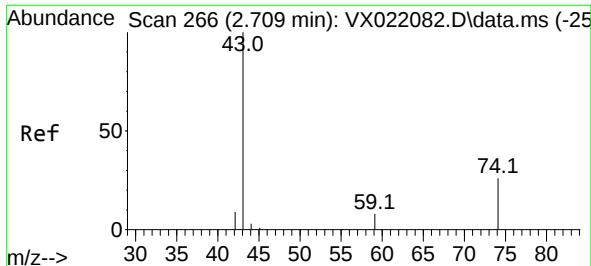
Tgt Ion: 43 Resp: 6278
Ion Ratio Lower Upper
43 100
58 28.4 27.8 41.8



#17
Carbon Disulfide
Concen: 0.203 ug/l
RT: 2.513 min Scan# 234
Delta R.T. -0.001 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

Tgt Ion: 76 Resp: 377
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

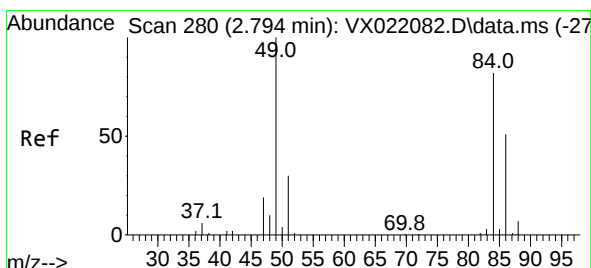
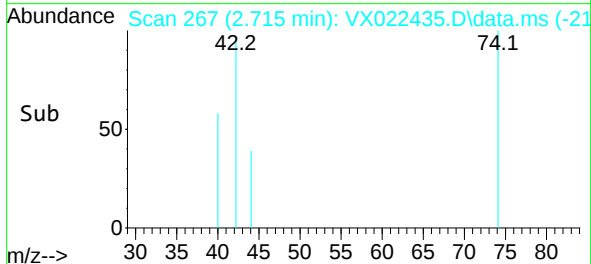
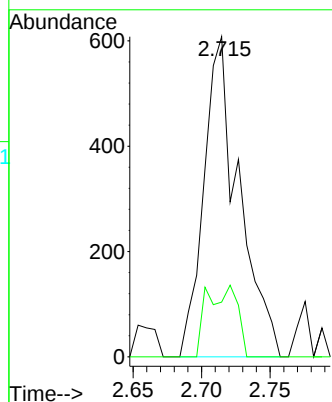
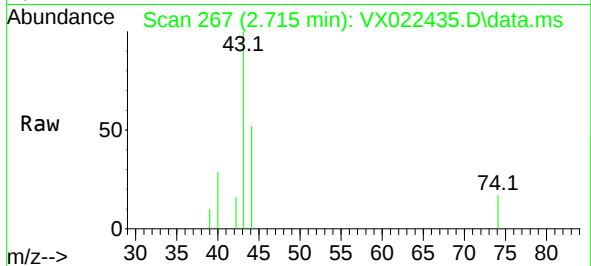




#18
Methyl Acetate
Concen: 0.980 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

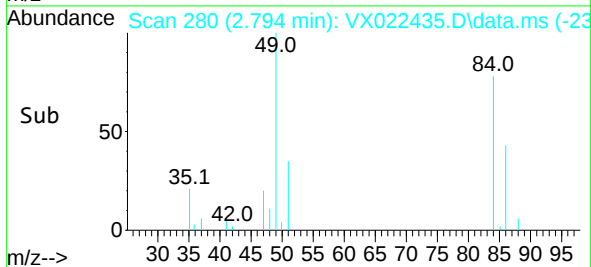
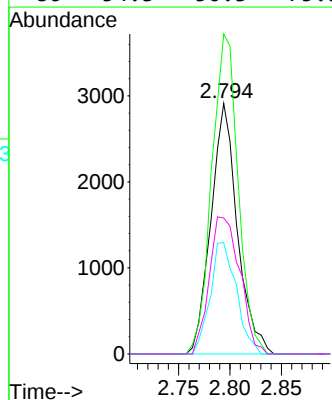
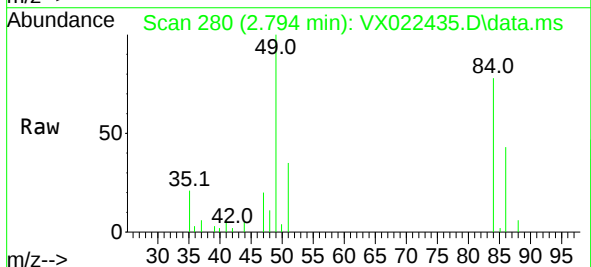
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MSVOA_X
ClientSampled :

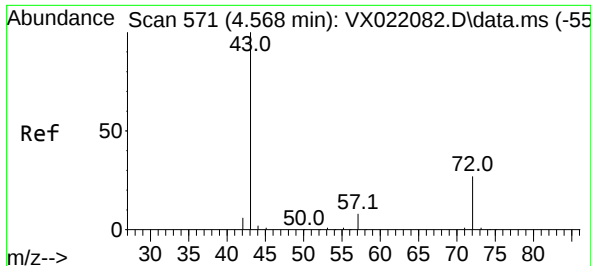
Tgt Ion: 43 Resp: 1083
Ion Ratio Lower Upper
43 100
74 19.2 21.9 32.9#



#20
Methylene Chloride
Concen: 5.646 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

Tgt Ion: 84 Resp: 5210
Ion Ratio Lower Upper
84 100
49 127.7 88.6 132.8
51 44.4 27.0 40.6#
86 54.3 50.3 75.5

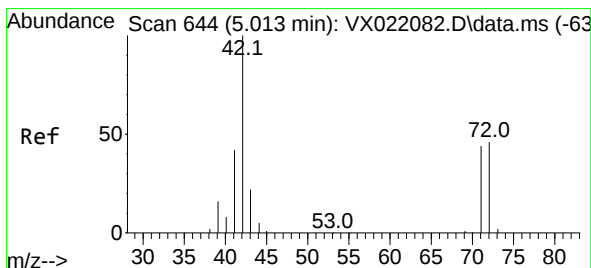
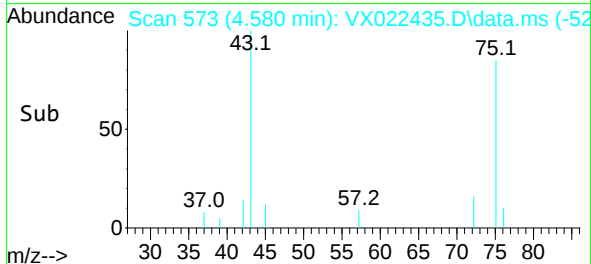
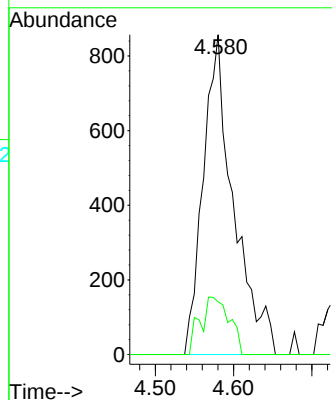
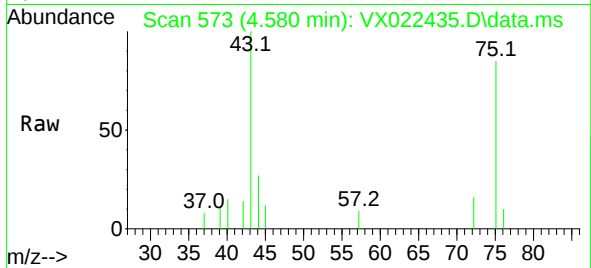




#25
2-Butanone
Concen: 3.428 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

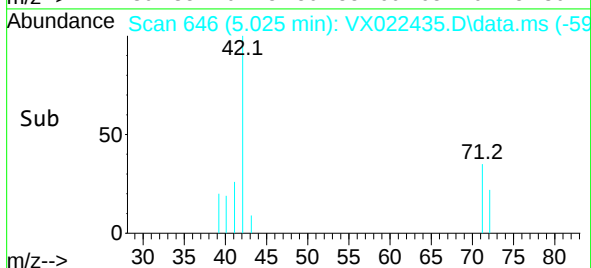
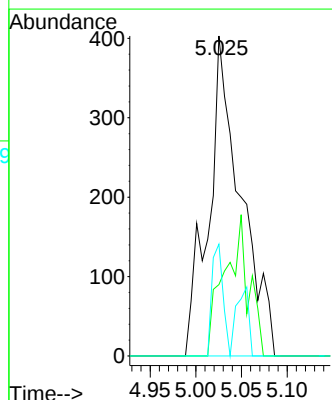
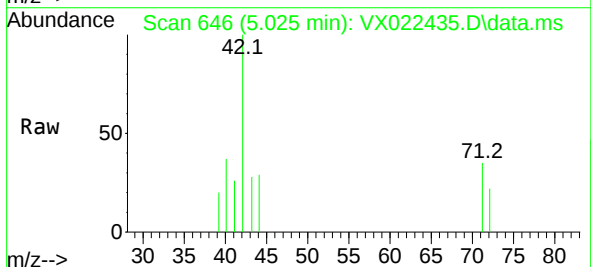
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MSVOA_X
ClientSampled :

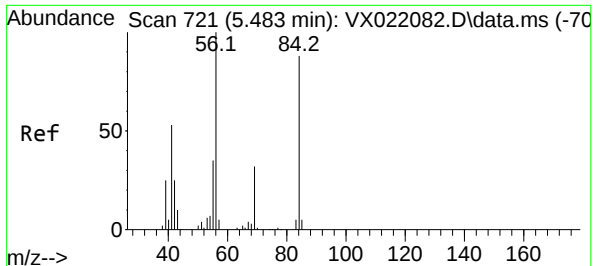
Tgt Ion: 43 Resp: 2305
Ion Ratio Lower Upper
43 100
72 16.5 23.7 35.5#



#29
Tetrahydrofuran
Concen: 2.464 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.012 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

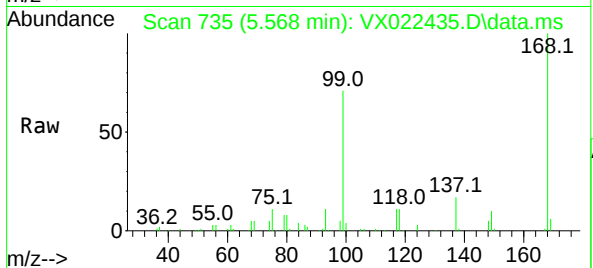
Tgt Ion: 42 Resp: 986
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 12.0 38.4 57.6#



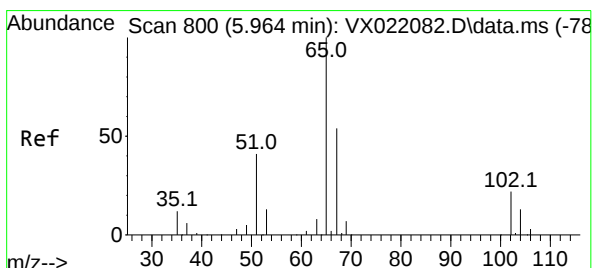
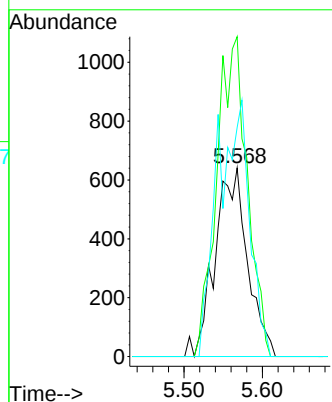
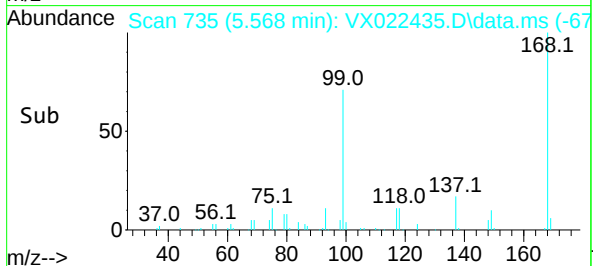


#31
Cyclohexane
Concen: 1.538 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.085 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

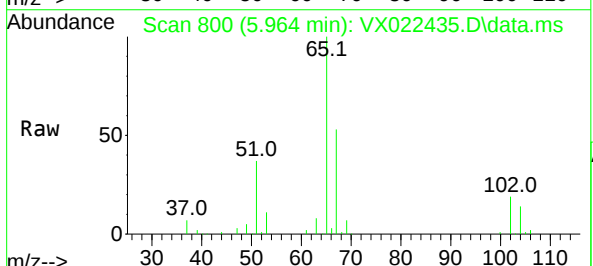
Instrument :
MSVOA_X
ClientSampleId :



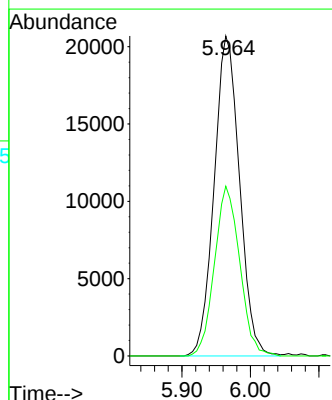
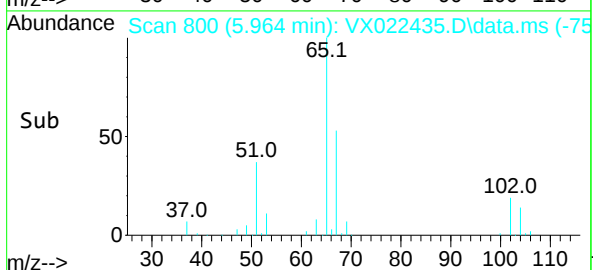
Tgt Ion: 56 Resp: 1845
Ion Ratio Lower Upper
56 100
69 169.6 25.3 37.9#
84 121.5 71.4 107.0#

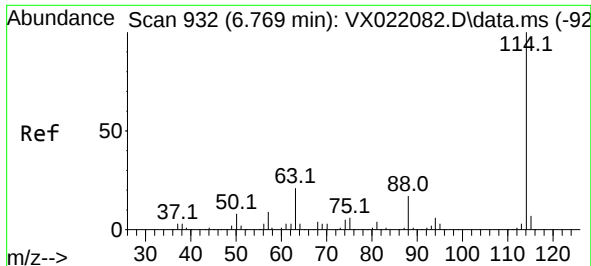


#33
1,2-Dichloroethane-d4
Concen: 55.756 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28



Tgt Ion: 65 Resp: 53215
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.4

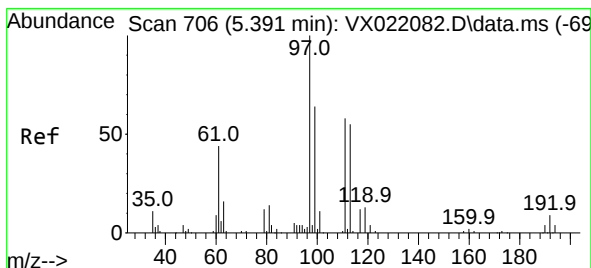
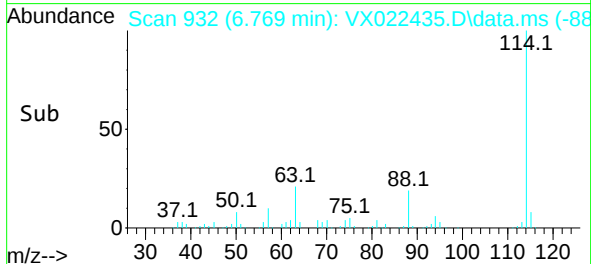
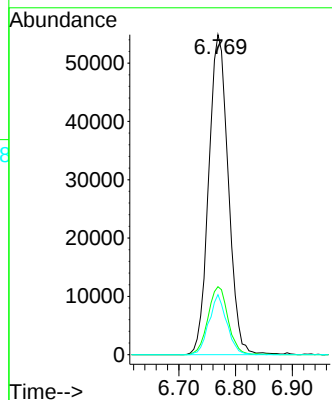
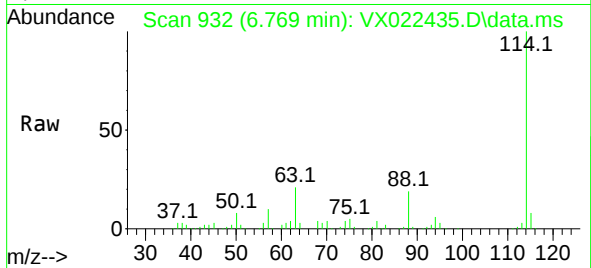




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

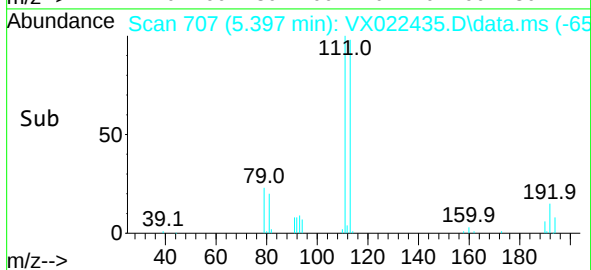
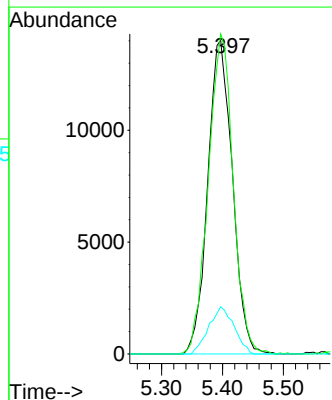
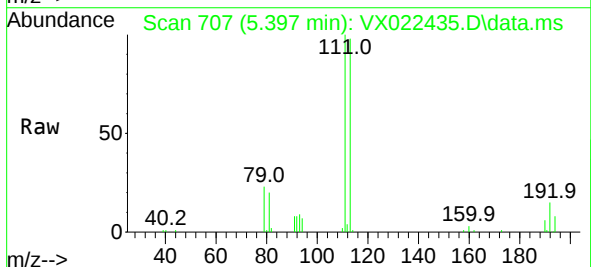
Instrument :
MSVOA_X
ClientSampled :

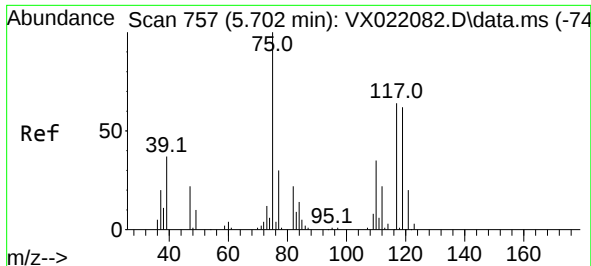
Tgt Ion:114 Resp: 131367
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 18.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.479 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

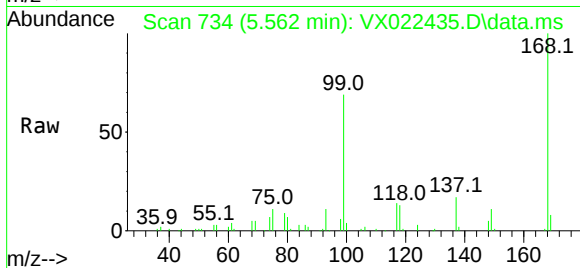
Tgt Ion:113 Resp: 39553
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 15.4 16.7 25.1#



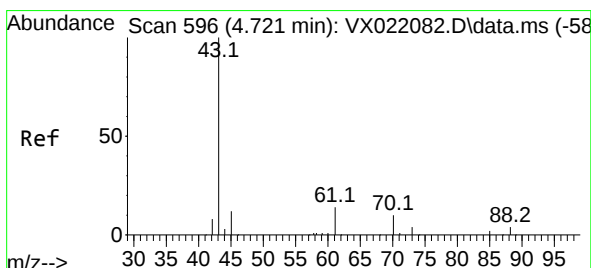
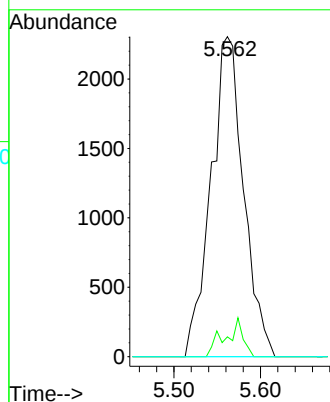
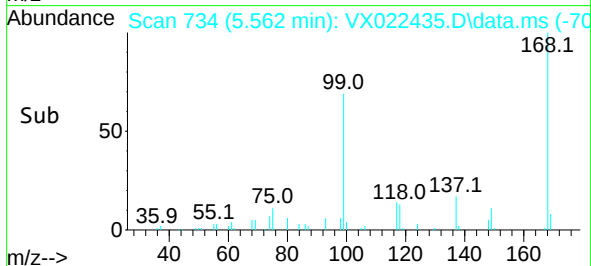


#36
1,1-Dichloropropene
Concen: 4.963 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

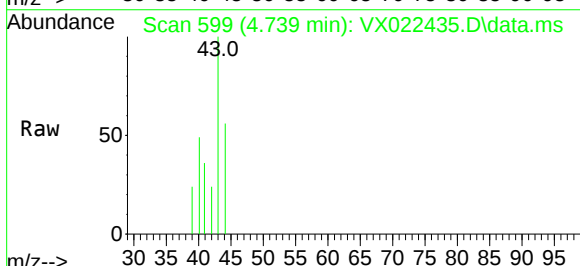
Instrument :
MSVOA_X
ClientSampleId :



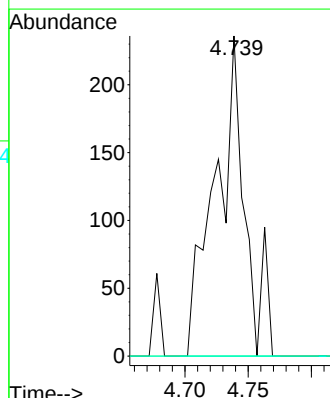
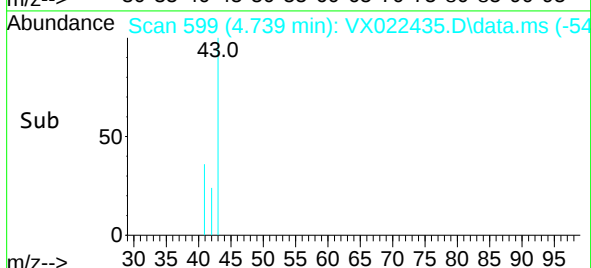
Tgt Ion: 75 Resp: 6029
Ion Ratio Lower Upper
75 100
110 2.2 18.1 54.4#
77 0.0 25.3 37.9#

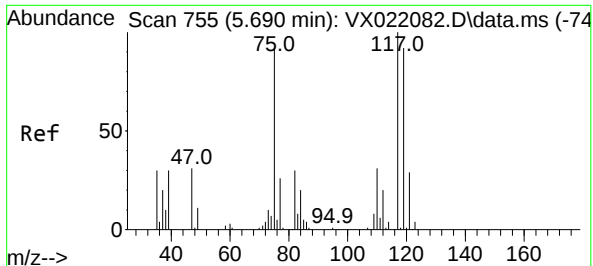


#37
Ethyl Acetate
Concen: 0.260 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.018 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28



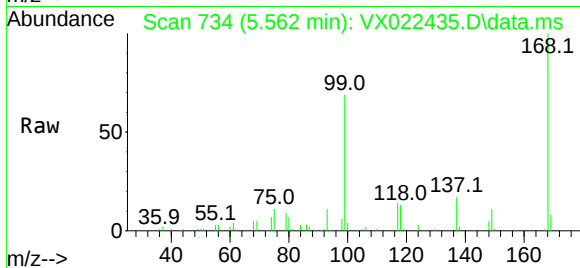
Tgt Ion: 43 Resp: 387
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



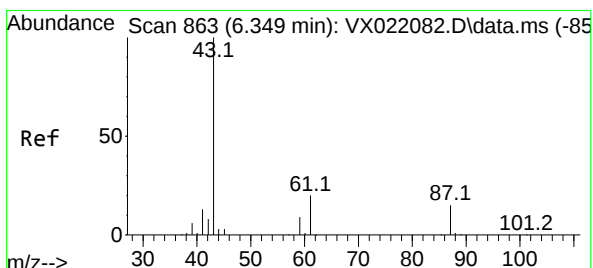
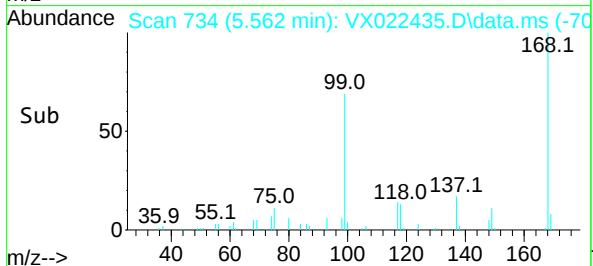
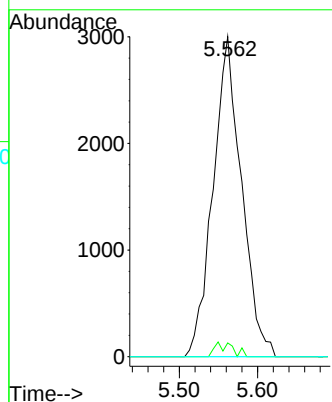


#38
Carbon Tetrachloride
Concen: 6.387 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

Instrument :
MSVOA_X
ClientSampled :

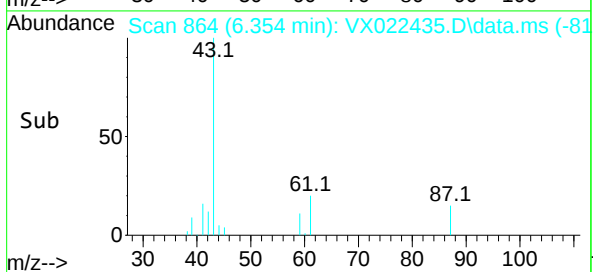
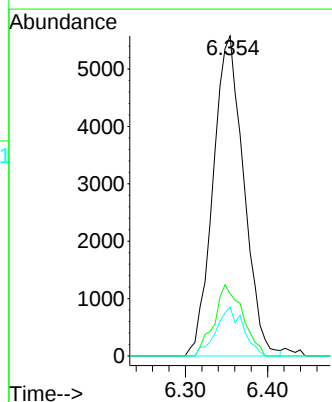
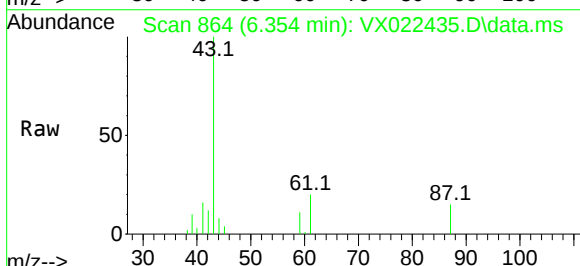


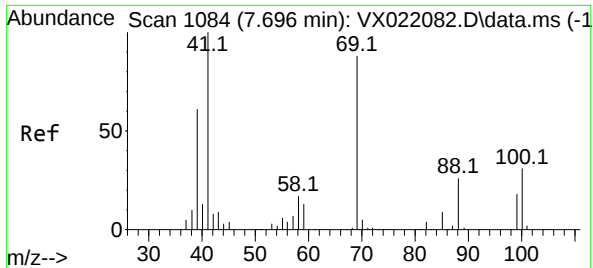
Tgt Ion:117 Resp: 7589
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 5.935 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.005 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

Tgt Ion: 43 Resp: 14456
Ion Ratio Lower Upper
43 100
61 20.7 18.2 27.4
87 13.5 12.5 18.7

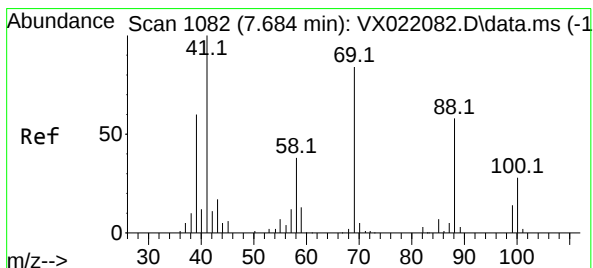
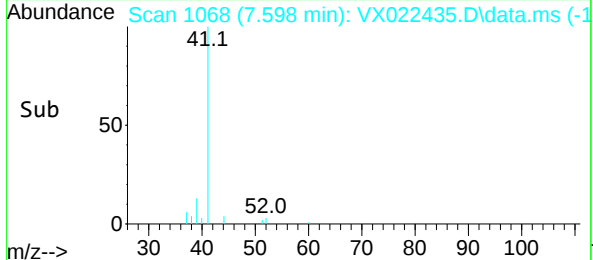
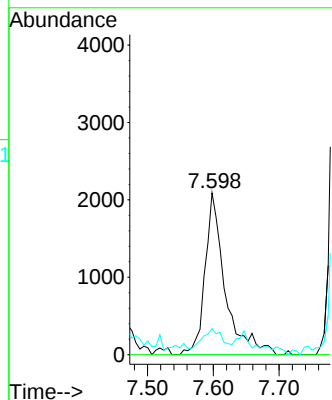
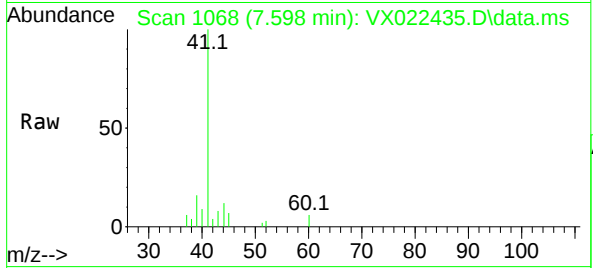




#48
Methyl methacrylate
Concen: 3.964 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

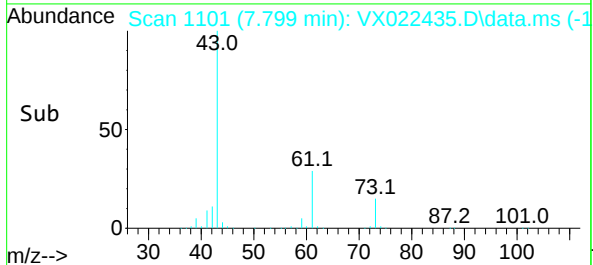
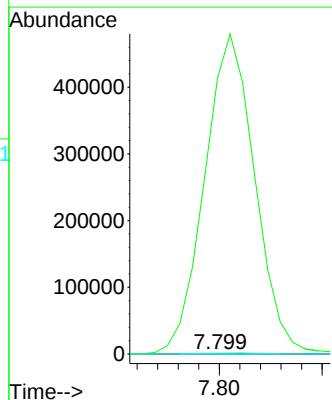
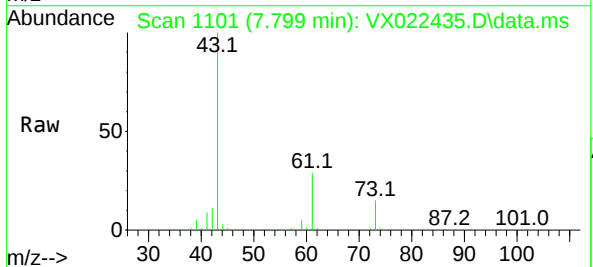
Instrument :
MSVOA_X
ClientSampled :

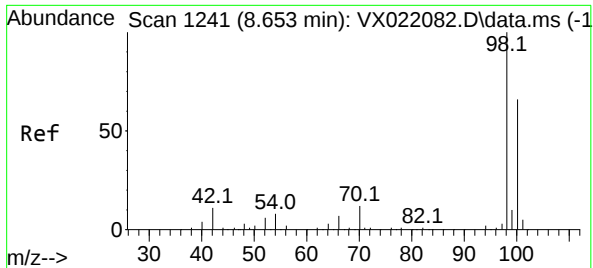
Tgt Ion: 41 Resp: 4450
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 6.314 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.115 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

Tgt Ion: 88 Resp: 138
Ion Ratio Lower Upper
88 100
43 594348.6 23.2 34.8#
58 2129.0 55.0 82.4#

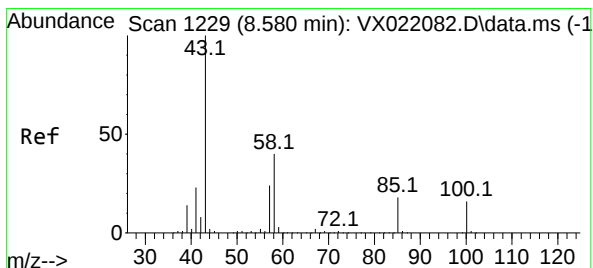
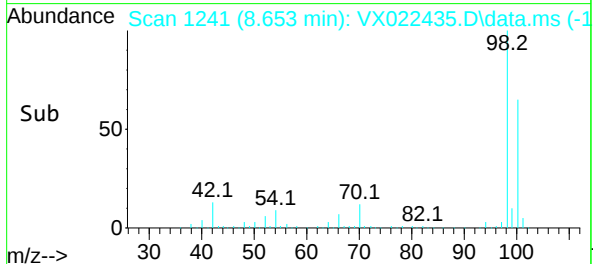
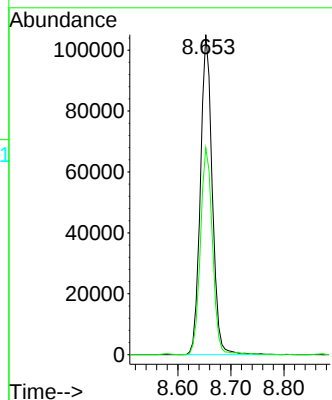
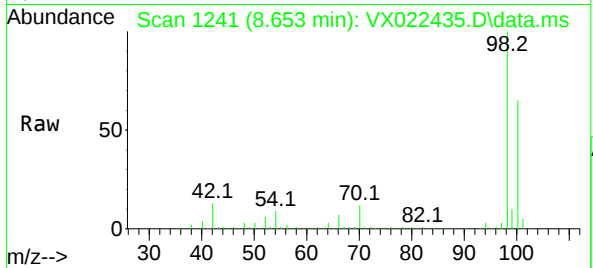




#50
Toluene-d8
Concen: 50.764 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

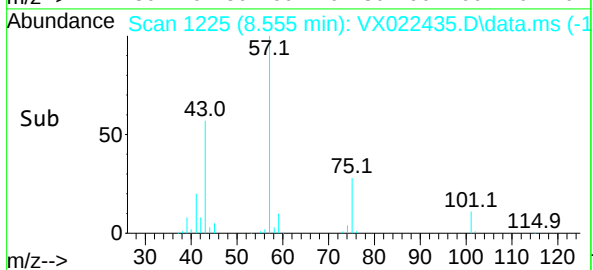
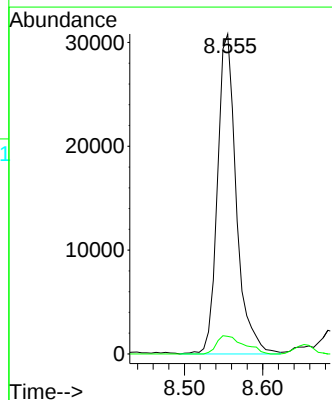
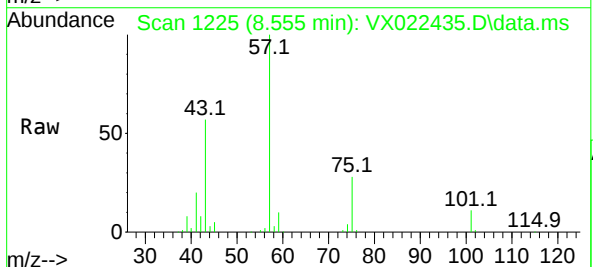
Instrument :
MSVOA_X
ClientSampled :

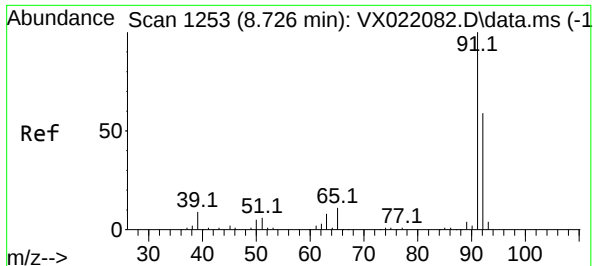
Tgt Ion: 98 Resp: 162906
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 35.375 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

Tgt Ion: 43 Resp: 51612
Ion Ratio Lower Upper
43 100
58 8.2 35.4 53.0#

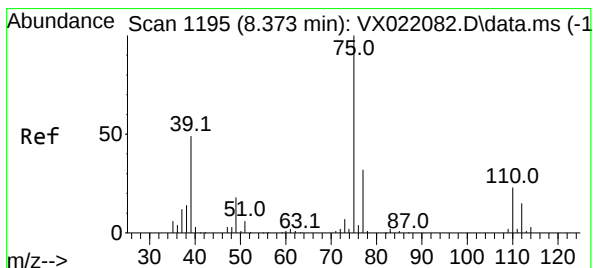
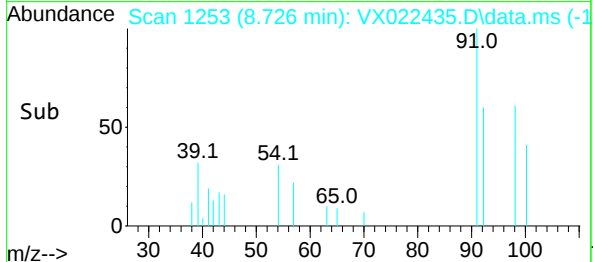
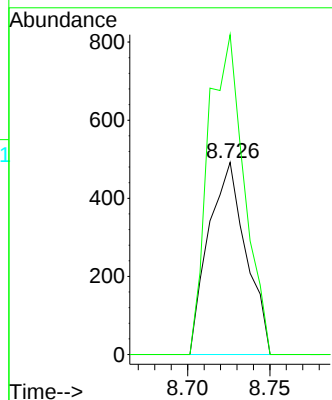
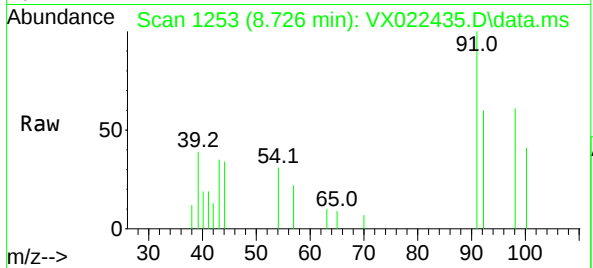




#52
Toluene
Concen: 0.329 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. -0.000 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

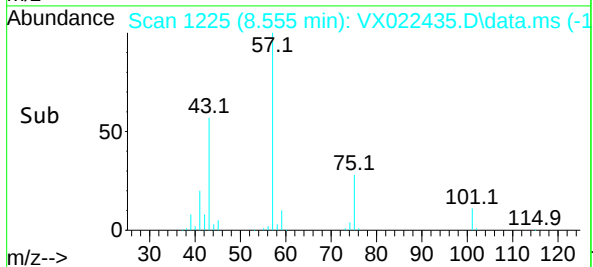
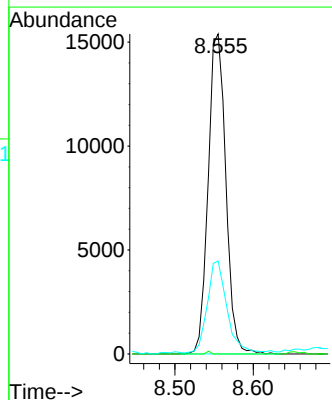
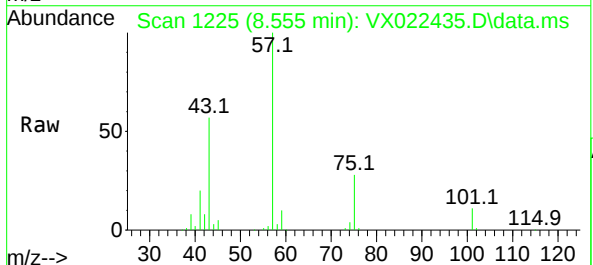
Instrument :
MSVOA_X
ClientSampled :

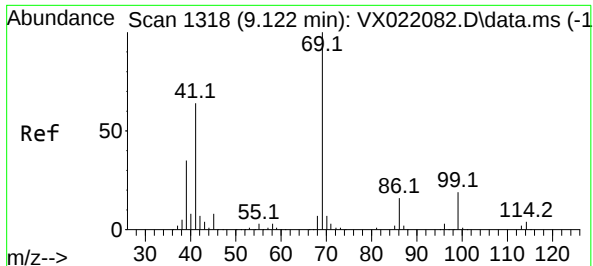
Tgt Ion: 92 Resp: 779
Ion Ratio Lower Upper
92 100
91 159.4 137.1 205.7



#54
cis-1,3-Dichloropropene
Concen: 14.968 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

Tgt Ion: 75 Resp: 24044
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 28.6 35.1 52.7#

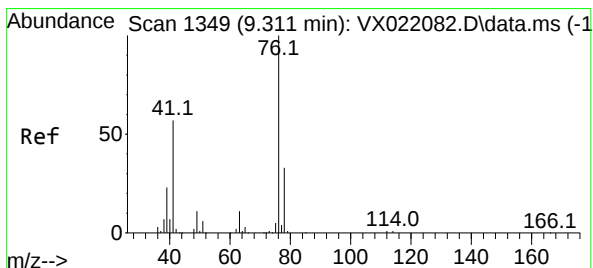
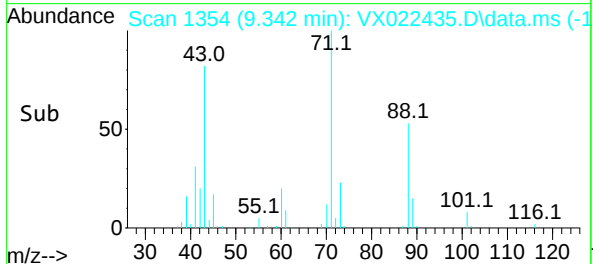
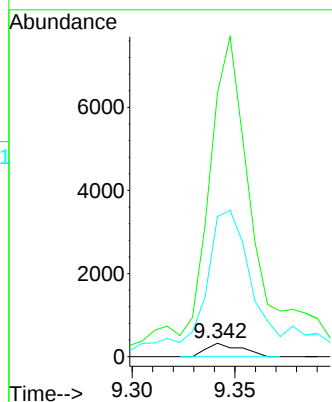
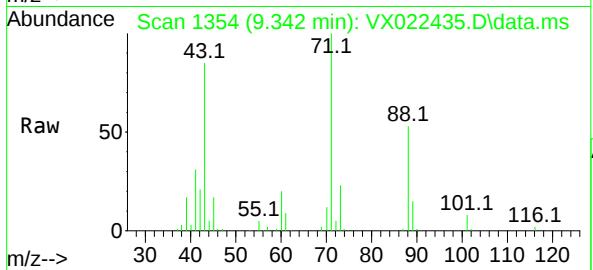




#56
Ethyl methacrylate
Concen: 0.242 ug/l
RT: 9.342 min Scan# 1354
Delta R.T. 0.220 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

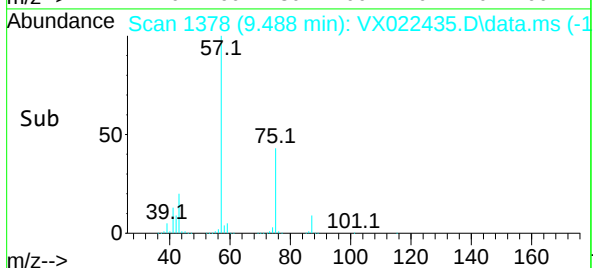
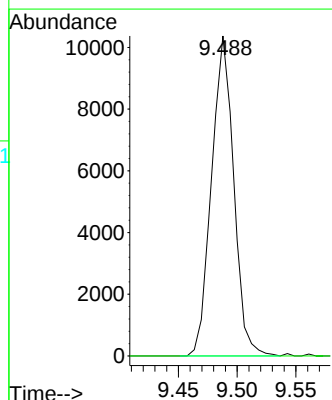
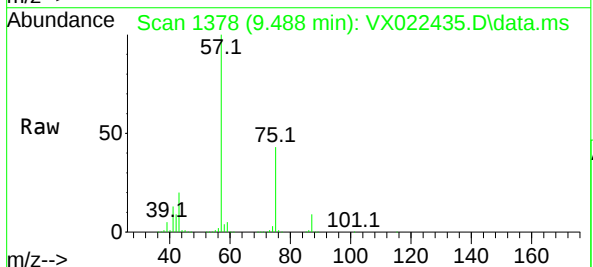
Instrument :
MSVOA_X
ClientSampled :

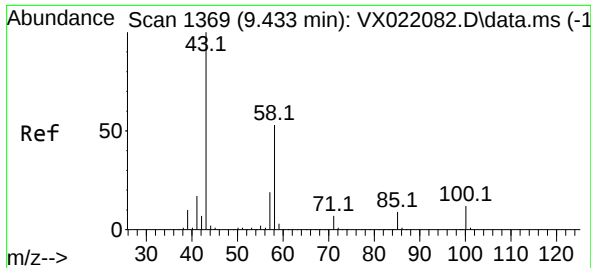
Tgt Ion: 69 Resp: 376
Ion Ratio Lower Upper
69 100
41 3139.1 46.8 70.2#
39 1594.4 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 8.304 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

Tgt Ion: 76 Resp: 13623
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

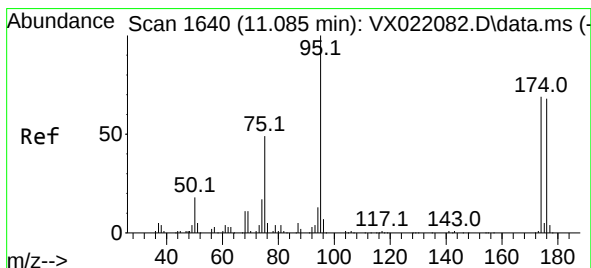
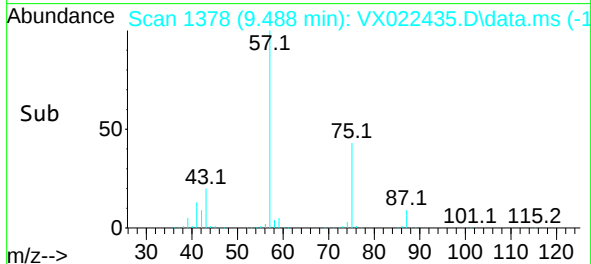
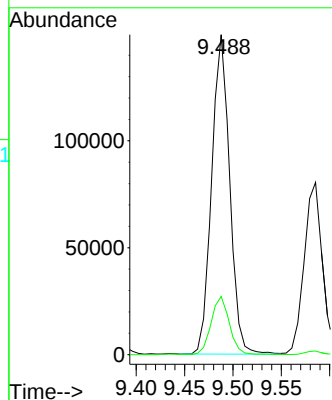
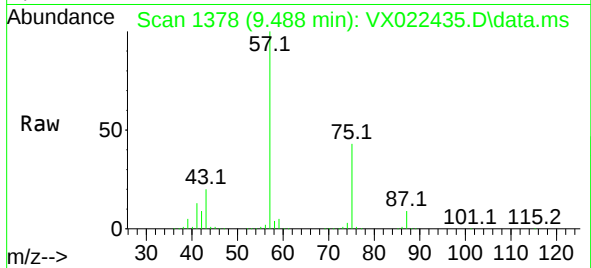




#59
2-Hexanone
Concen: 176.224 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

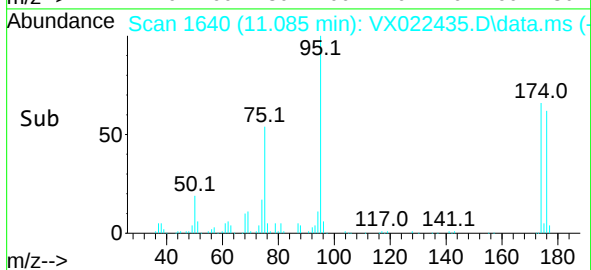
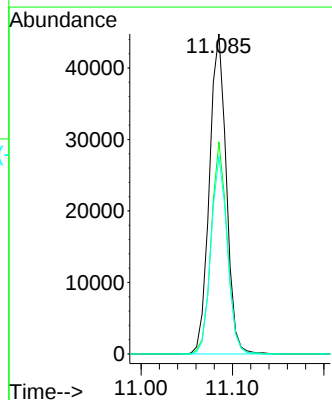
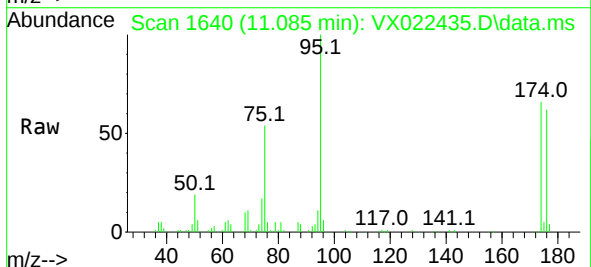
Instrument :
MSVOA_X
ClientSampled :

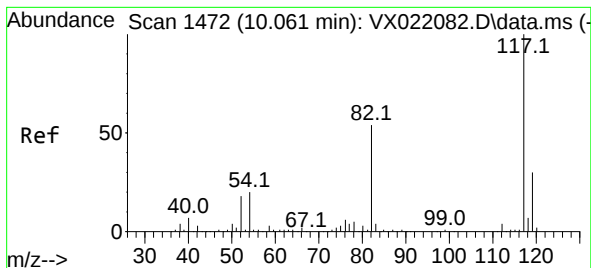
Tgt Ion: 43 Resp: 193373
Ion Ratio Lower Upper
43 100
58 18.4 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 48.257 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

Tgt Ion: 95 Resp: 57239
Ion Ratio Lower Upper
95 100
174 62.7 0.0 154.6
176 59.6 0.0 155.8

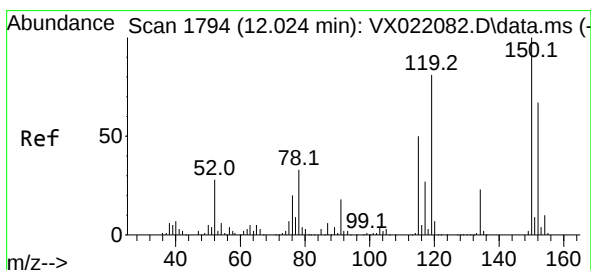
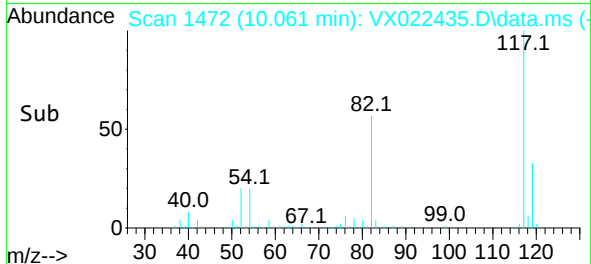
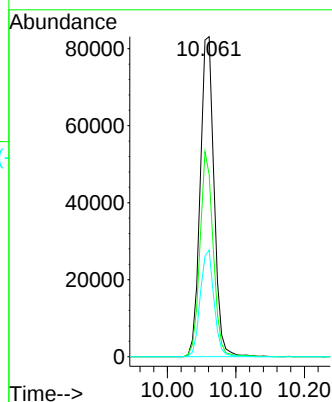
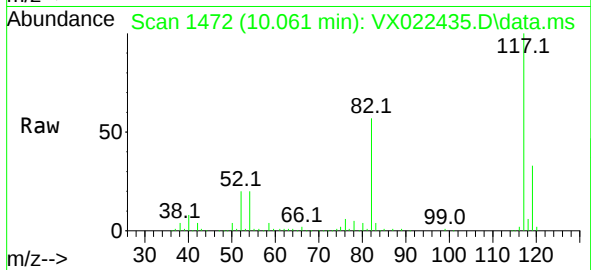




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

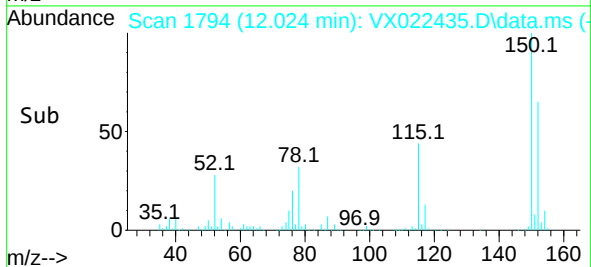
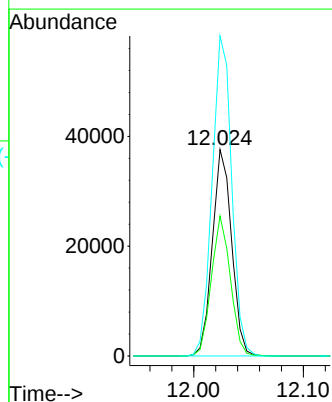
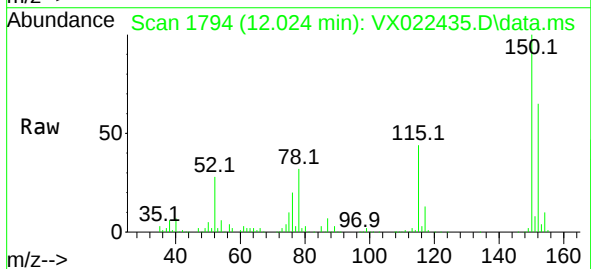
Instrument :
MSVOA_X
ClientSampled :

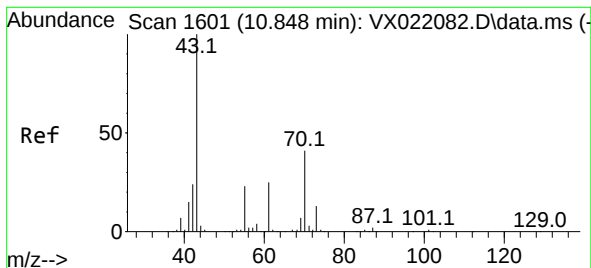
Tgt Ion:117 Resp: 117095
Ion Ratio Lower Upper
117 100
82 56.9 47.4 71.2
119 33.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

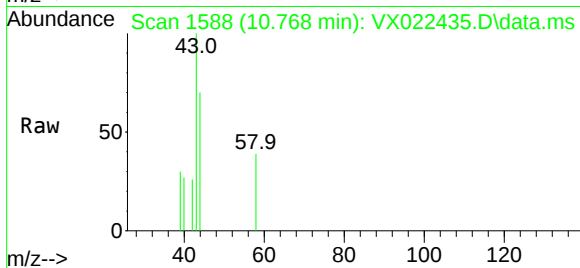
Tgt Ion:152 Resp: 45973
Ion Ratio Lower Upper
152 100
115 66.9 41.1 123.3
150 157.3 0.0 349.0



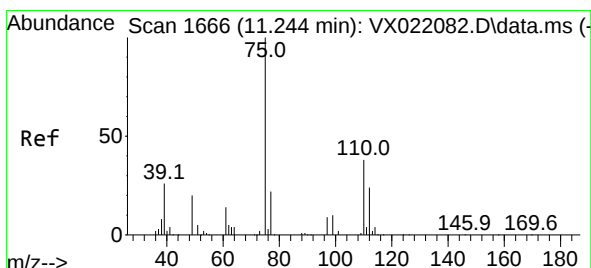
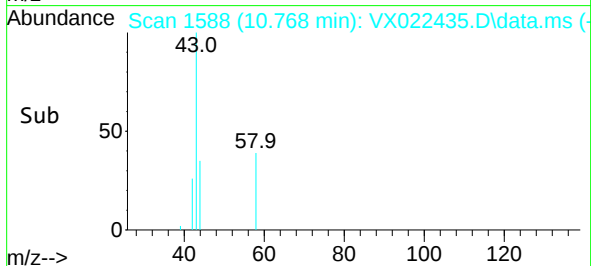
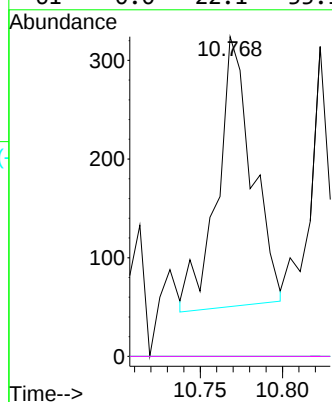


#74
N-amy1 acetate
Concen: 0.218 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

Instrument :
MSVOA_X
ClientSampleId :

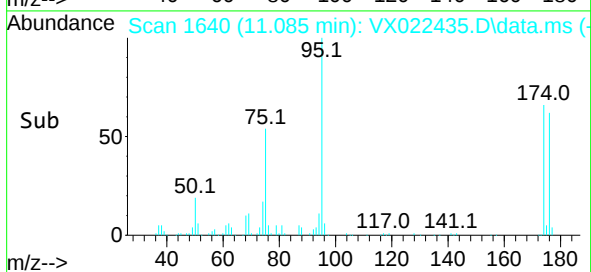
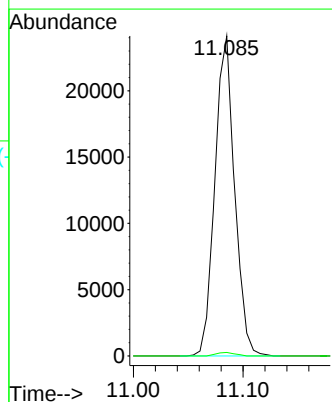
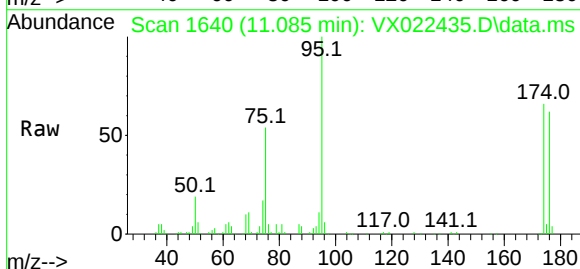


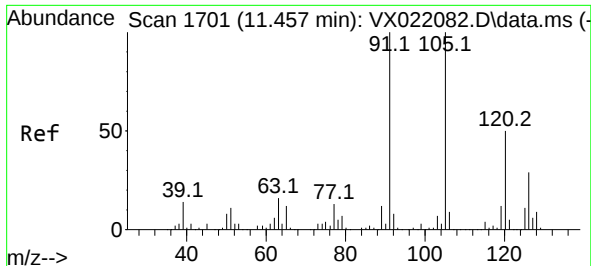
Tgt Ion: 43	Resp: 403
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.6#
55 0.0	21.5 32.3#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 26.595 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

Tgt Ion: 75	Resp: 30163
Ion Ratio	Lower Upper
75 100	
77 1.1	19.1 57.5#

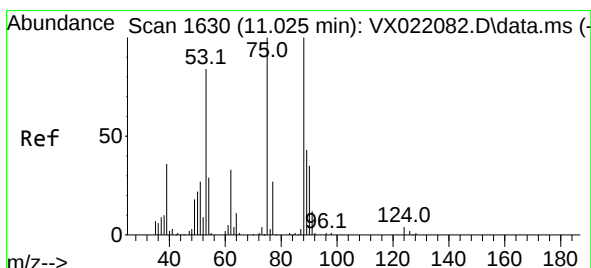
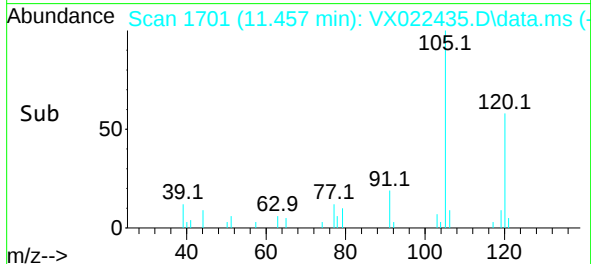
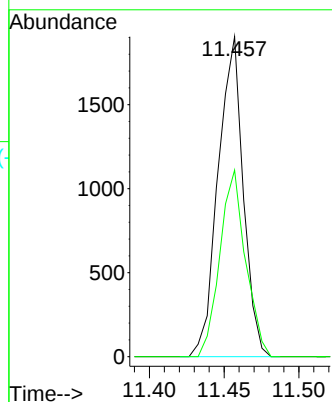
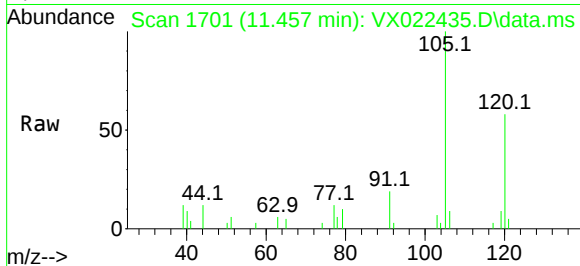




#80
1,3,5-Trimethylbenzene
Concen: 0.690 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:105 Resp: 2224
Ion Ratio Lower Upper
105 100
120 59.8 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 63.013 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX022435.D
Acq: 05 Jun 2021 00:28

Tgt Ion: 75 Resp: 30163
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

