

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032123\
 Data File : VX034658.D
 Acq On : 21 Mar 2023 16:38
 Operator : JC/MD
 Sample : 02013-01DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 600DL

Quant Time: Mar 22 02:07:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

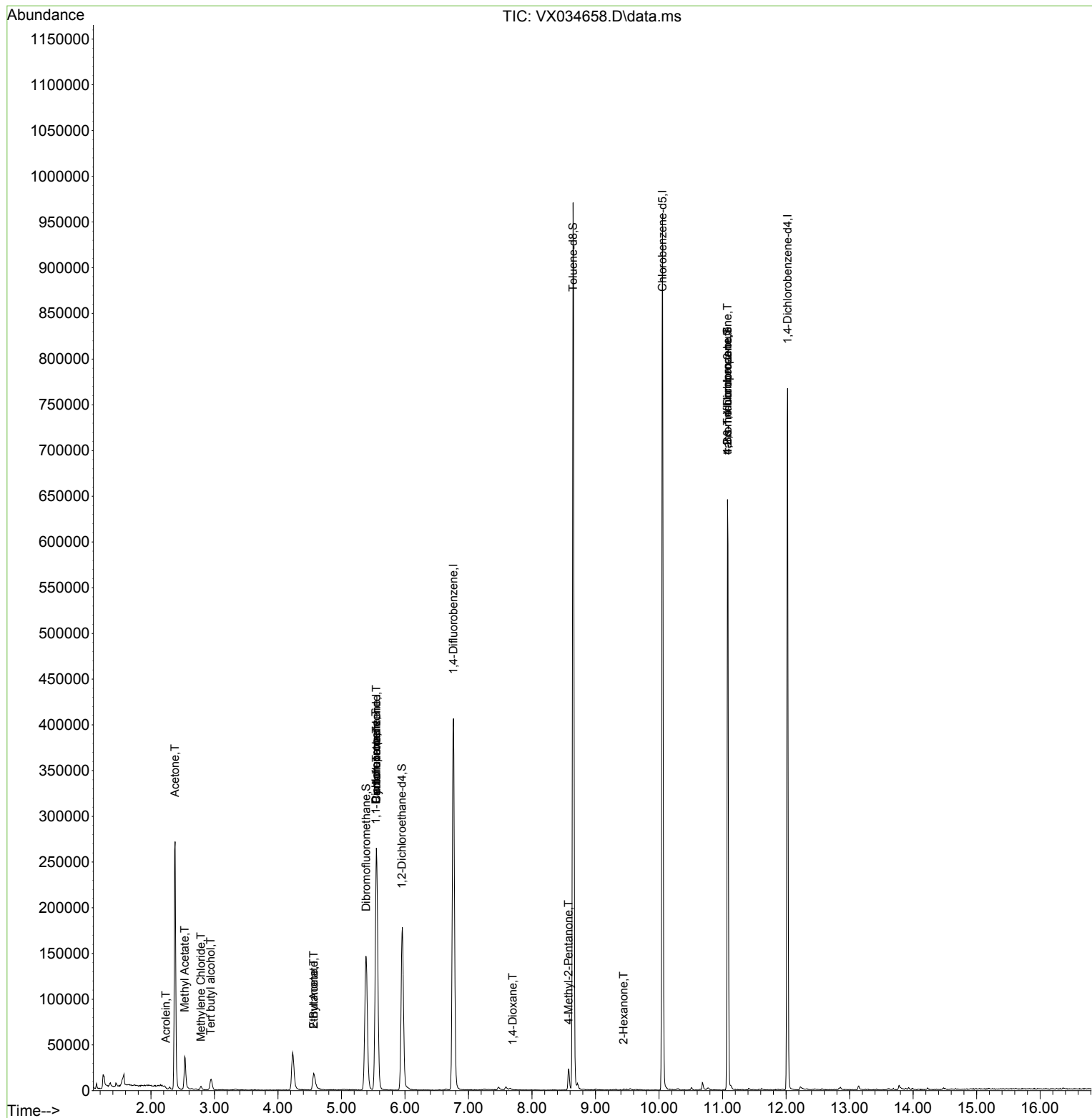
Internal Standards						
1) Pentafluorobenzene	5.550	168	247537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	416250	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	396685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	158152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	165713	46.017	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.040%		
35) Dibromofluoromethane	5.385	113	128437	46.734	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.460%		
50) Toluene-d8	8.647	98	546999	53.316	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	106.640%		
62) 4-Bromofluorobenzene	11.079	95	171982	41.501	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	83.000%		
Target Compounds						Qvalue
3) Chloromethane	1.300	50	627	Below Cal		98
11) Tert butyl alcohol	2.940	59	8524	11.367 ug/l #		73
13) Acrolein	2.233	56	322	0.543 ug/l #		14
16) Acetone	2.379	43	285324	168.201 ug/l		98
18) Methyl Acetate	2.532	43	9993	1.803 ug/l #		53
20) Methylene Chloride	2.788	84	1597	0.485 ug/l		90
25) 2-Butanone	4.562	43	29828	12.289 ug/l		97
31) Cyclohexane	5.550	56	5624	1.114 ug/l #		4
36) 1,1-Dichloropropene	5.544	75	20319	4.814 ug/l #		42
37) Ethyl Acetate	4.562	43	29828	6.468 ug/l #		70
38) Carbon Tetrachloride	5.550	117	25482	6.068 ug/l #		16
49) 1,4-Dioxane	7.696	88	116	1.470 ug/l #		1
51) 4-Methyl-2-Pentanone	8.573	43	14970	3.303 ug/l		99
59) 2-Hexanone	9.439	43	1057	0.302 ug/l		93
76) 1,2,3-Trichloropropane	11.079	75	91942	25.319 ug/l #		34
81) trans-1,4-Dichloro-2-b...	11.079	75	91942	68.495 ug/l #		8

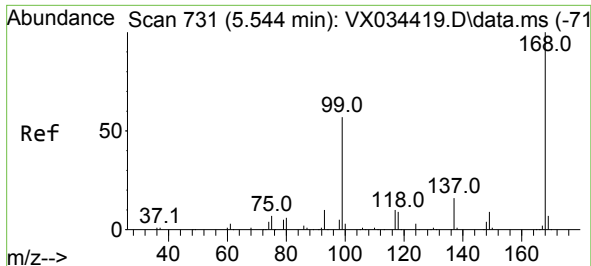
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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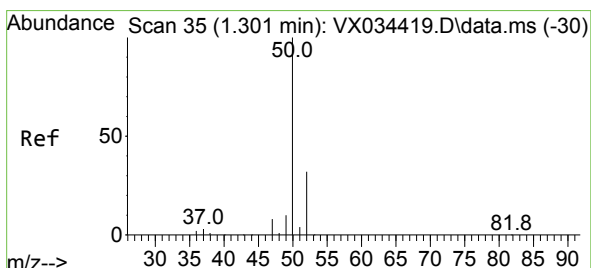
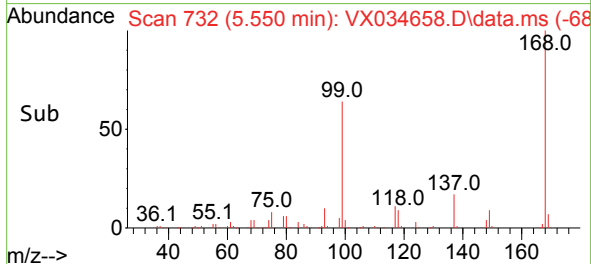
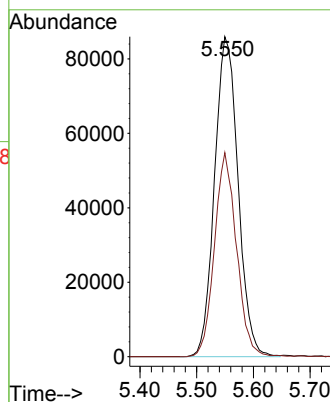
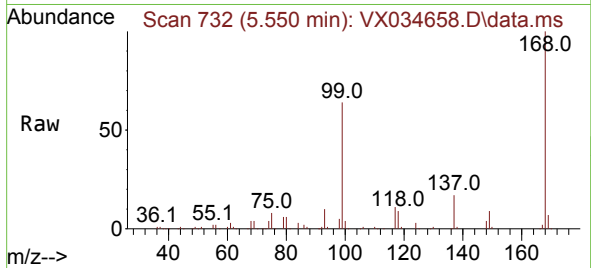




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

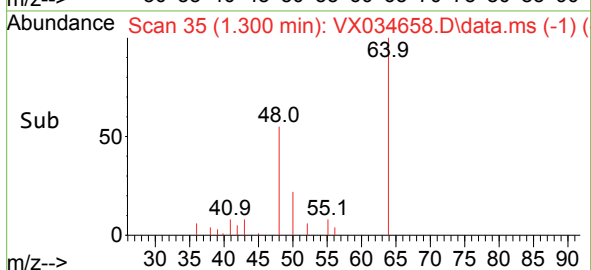
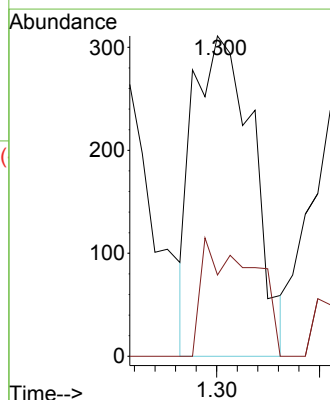
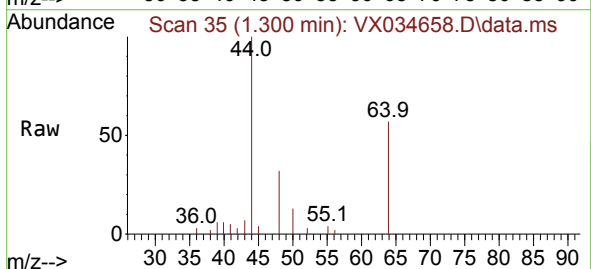
Instrument :
MSVOA_X
ClientSampleId :
600DL

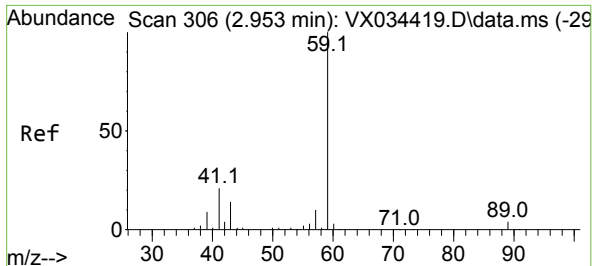
Tgt Ion:168 Resp: 247537
Ion Ratio Lower Upper
168 100
99 63.7 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.300 min Scan# 35
Delta R.T. -0.001 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

Tgt Ion: 50 Resp: 627
Ion Ratio Lower Upper
50 100
52 31.3 25.9 38.9

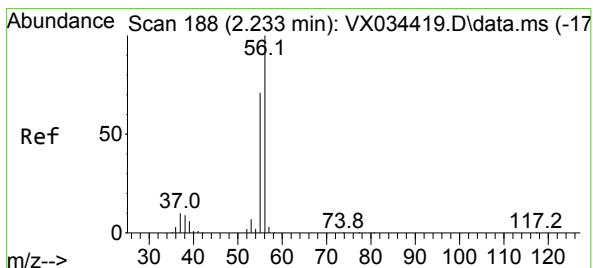
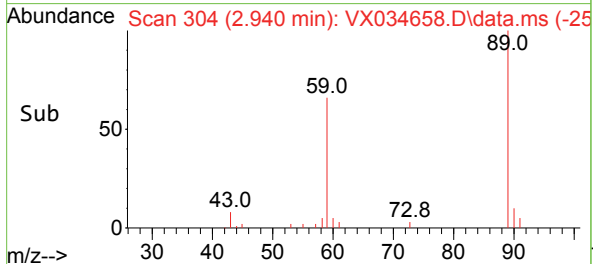
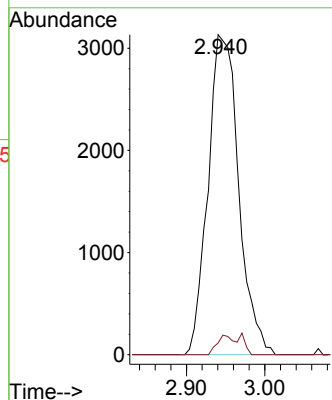
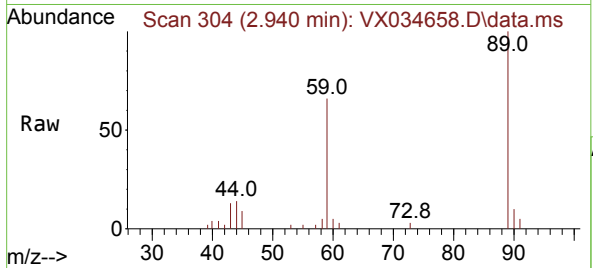




#11
Tert butyl alcohol
Concen: 11.367 ug/l
RT: 2.940 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

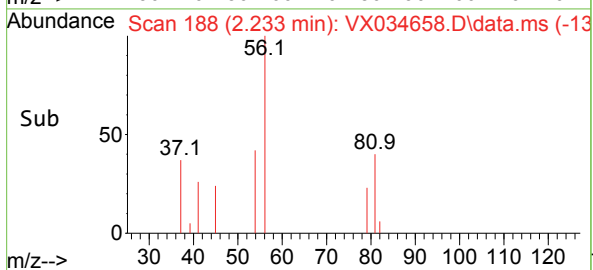
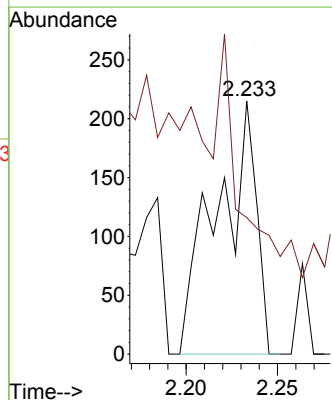
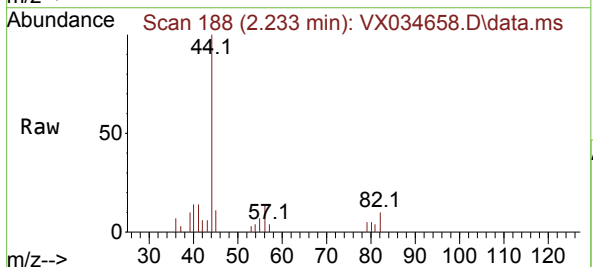
Instrument :
MSVOA_X
ClientSampleId :
600DL

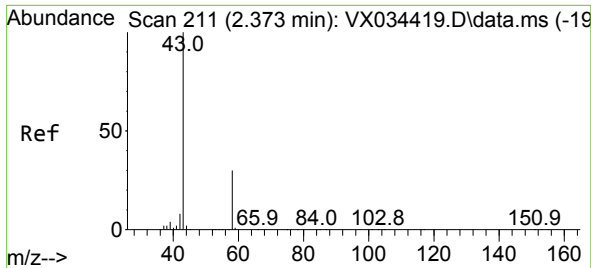
Tgt Ion: 59 Resp: 8524
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 0.543 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

Tgt Ion: 56 Resp: 322
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#

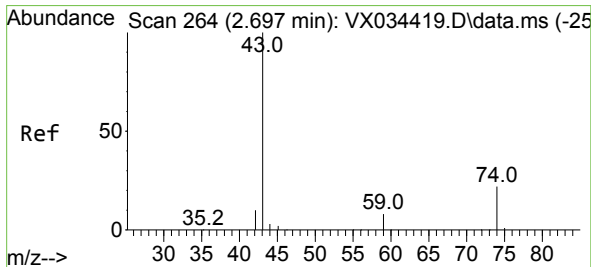
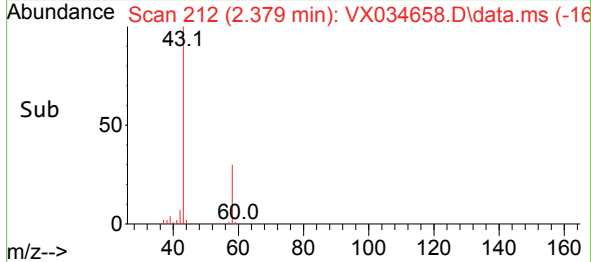
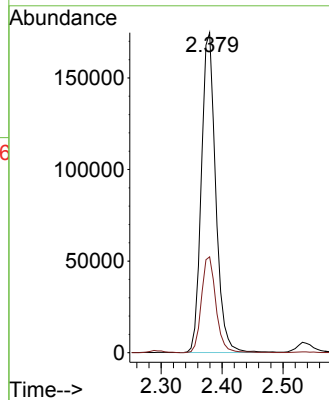
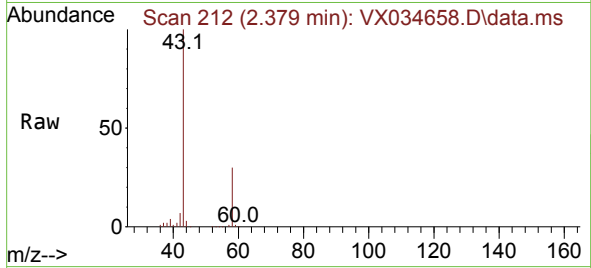




#16
Acetone
Concen: 168.201 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

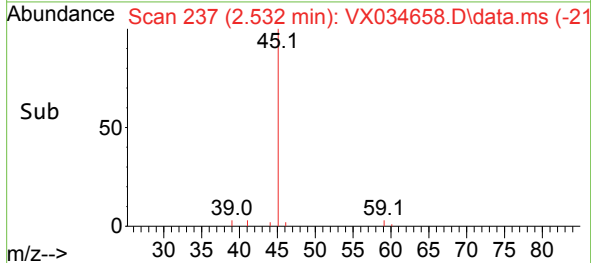
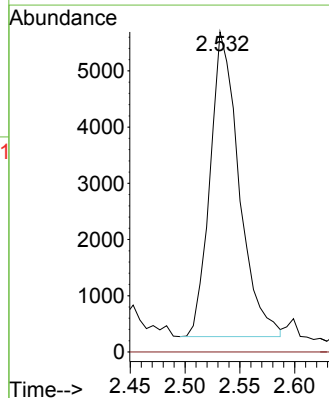
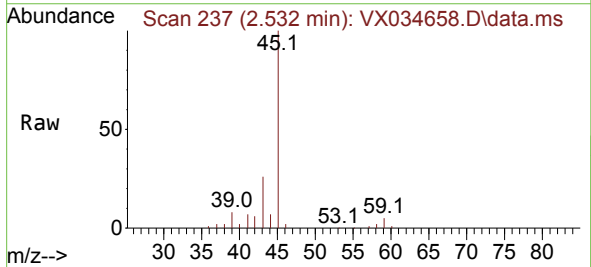
Instrument :
MSVOA_X
ClientSampleId :
600DL

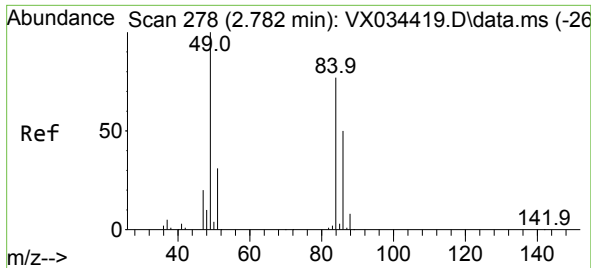
Tgt Ion: 43 Resp: 285324
Ion Ratio Lower Upper
43 100
58 30.0 24.7 37.1



#18
Methyl Acetate
Concen: 1.803 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.165 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

Tgt Ion: 43 Resp: 9993
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#

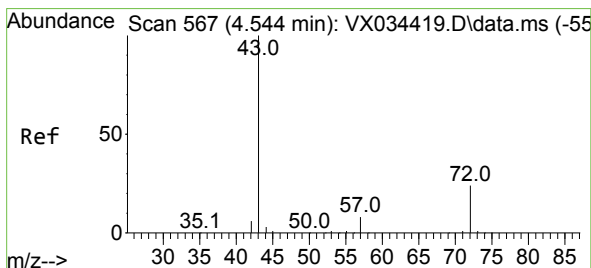
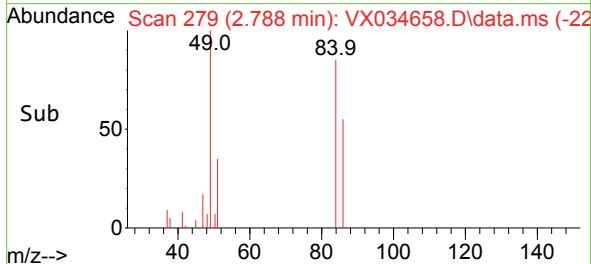
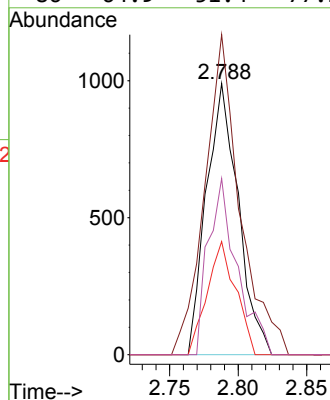
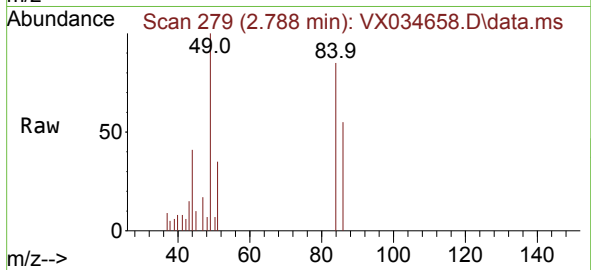




#20
Methylene Chloride
Concen: 0.485 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

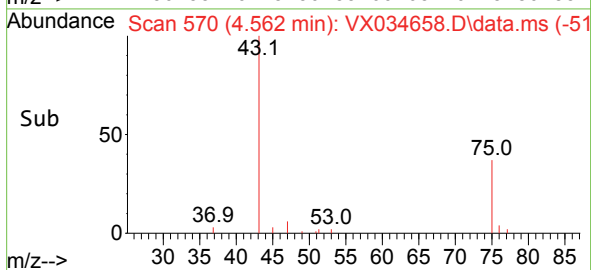
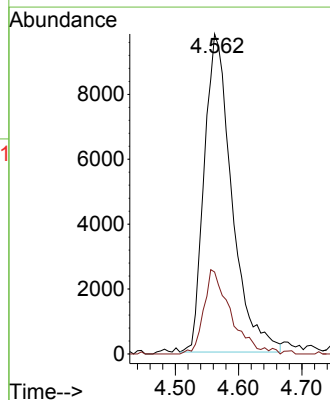
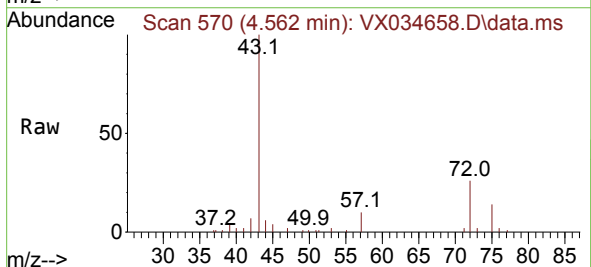
Instrument :
MSVOA_X
ClientSampleId :
600DL

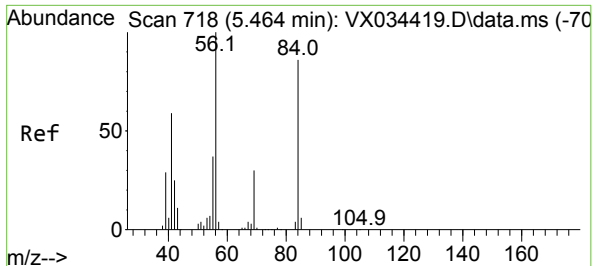
Tgt Ion:	84	Resp:	1597
Ion	Ratio	Lower	Upper
84	100		
49	109.7	103.8	155.8
51	41.7	31.8	47.8
86	64.9	51.4	77.2



#25
2-Butanone
Concen: 12.289 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.018 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

Tgt Ion:	43	Resp:	29828
Ion	Ratio	Lower	Upper
43	100		
72	25.8	19.3	28.9

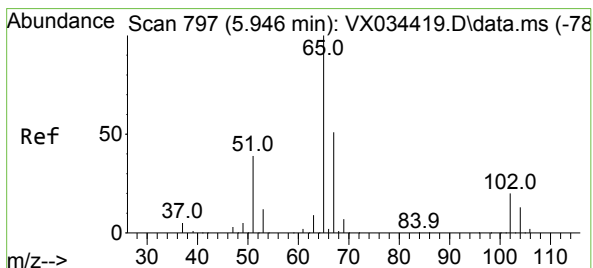
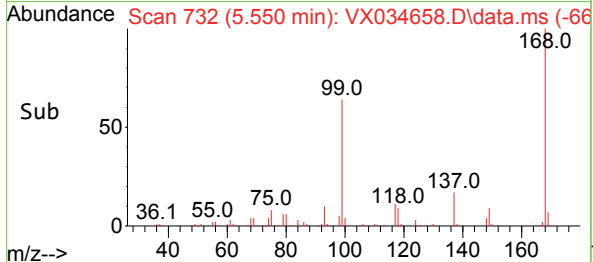
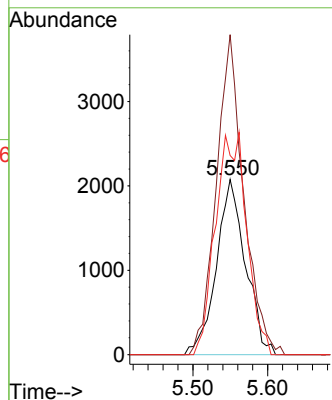
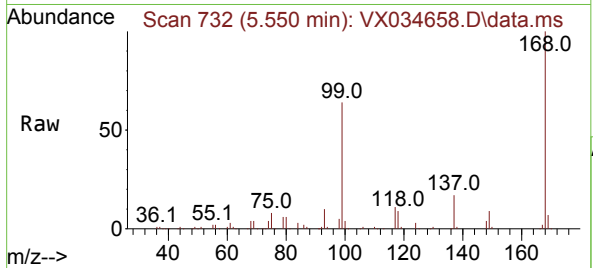




#31
Cyclohexane
Concen: 1.114 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

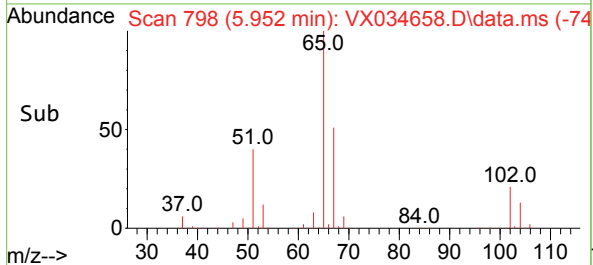
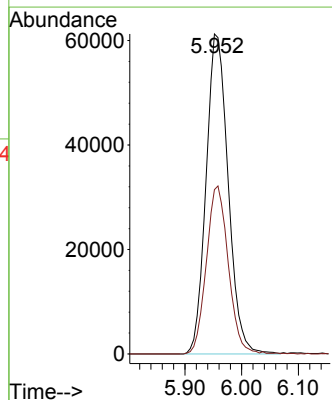
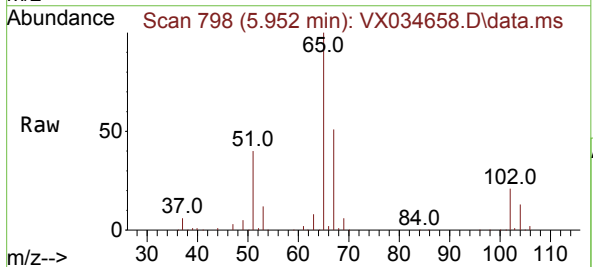
Instrument :
MSVOA_X
ClientSampleId :
600DL

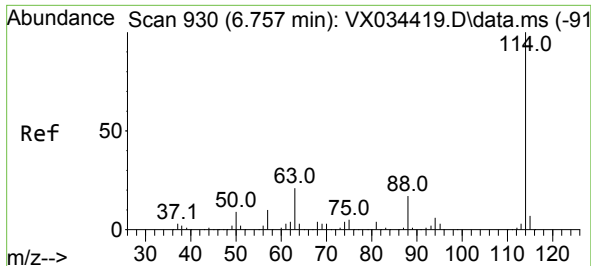
Tgt Ion: 56 Resp: 5624
Ion Ratio Lower Upper
56 100
69 182.6 23.7 35.5#
84 113.6 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 46.017 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

Tgt Ion: 65 Resp: 165713
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.0

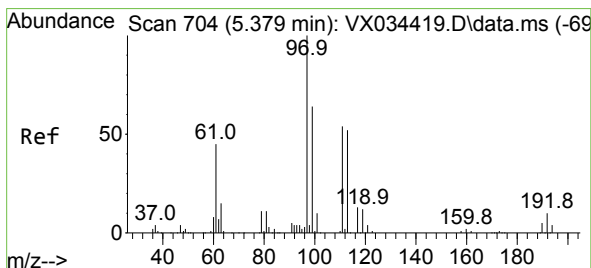
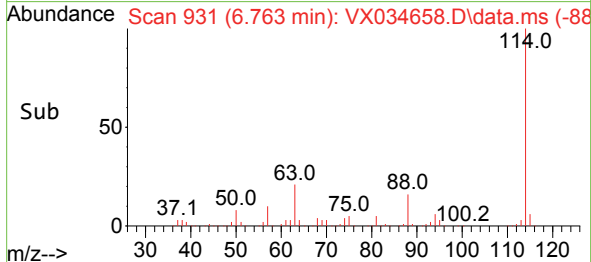
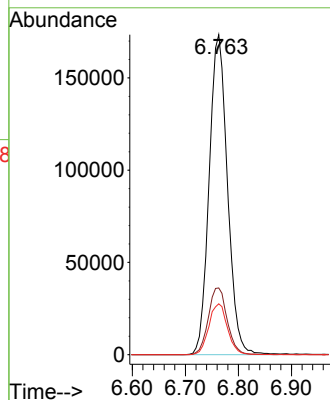
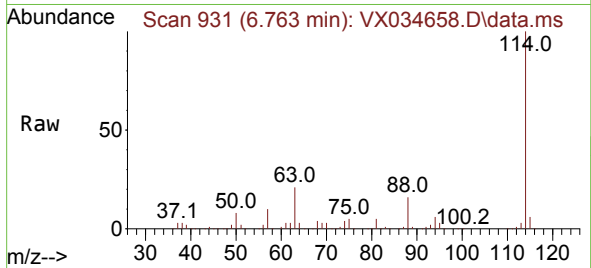




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

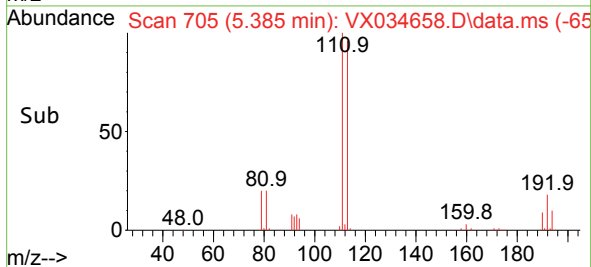
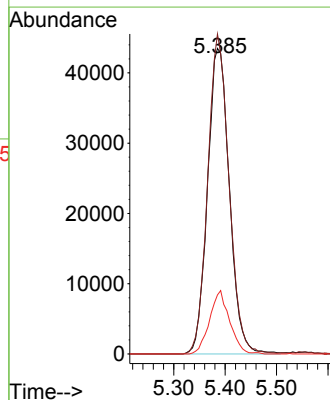
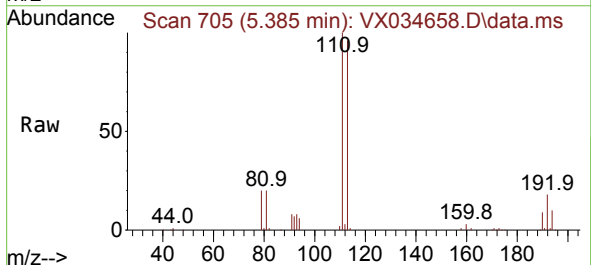
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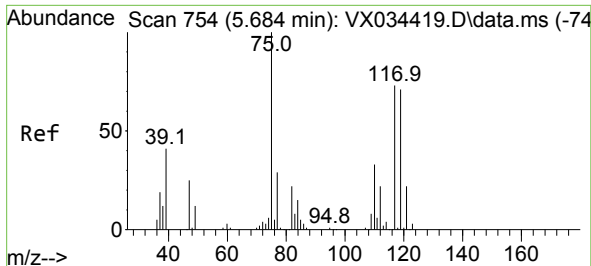
Tgt Ion:114 Resp: 416250
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.2
88 15.9 0.0 33.2



#35
Dibromofluoromethane
Concen: 46.734 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

Tgt Ion:113 Resp: 128437
Ion Ratio Lower Upper
113 100
111 101.8 83.7 125.5
192 19.0 15.4 23.2

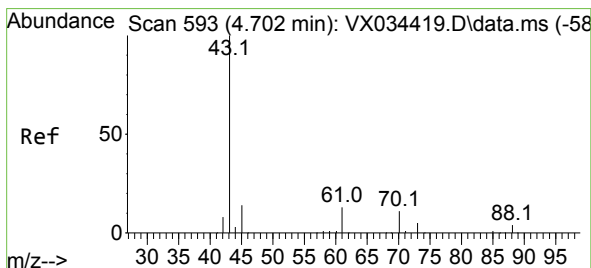
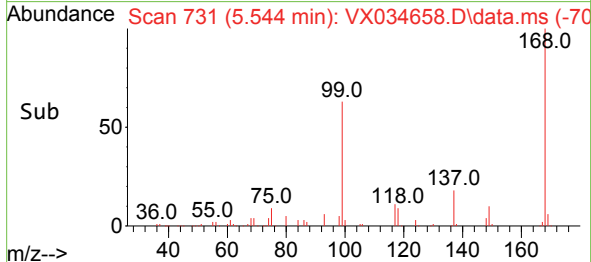
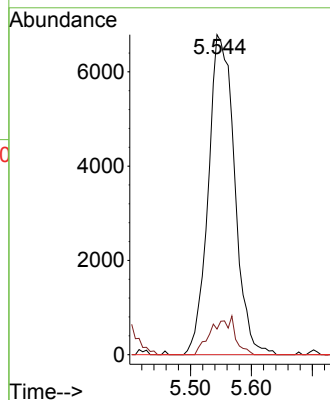
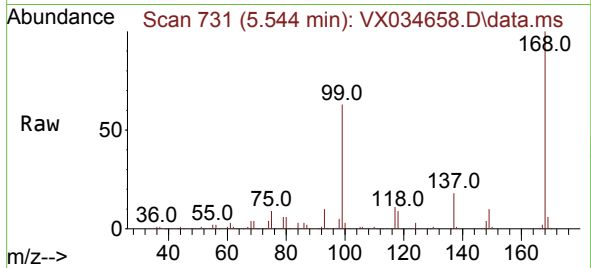




#36
1,1-Dichloropropene
Concen: 4.814 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

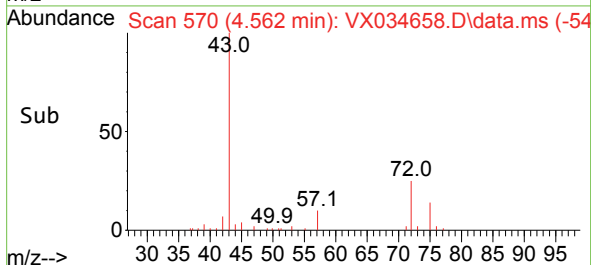
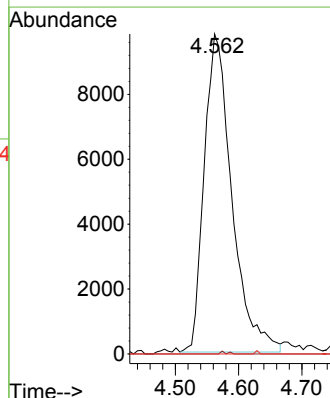
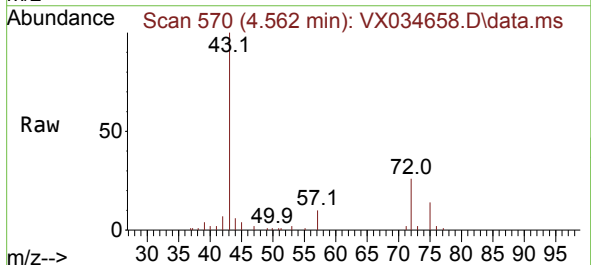
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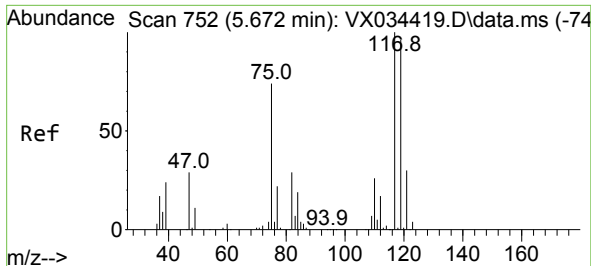
Tgt Ion: 75 Resp: 20319
Ion Ratio Lower Upper
75 100
110 0.0 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 6.468 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.140 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

Tgt Ion: 43 Resp: 29828
Ion Ratio Lower Upper
43 100
61 0.2 10.2 15.4#
70 0.0 8.2 12.4#

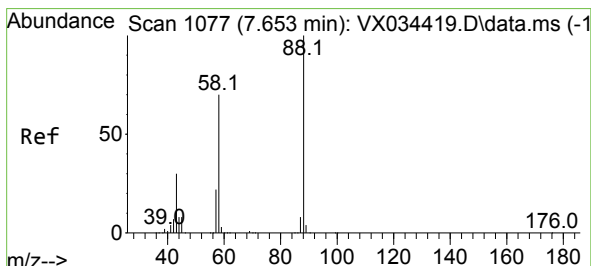
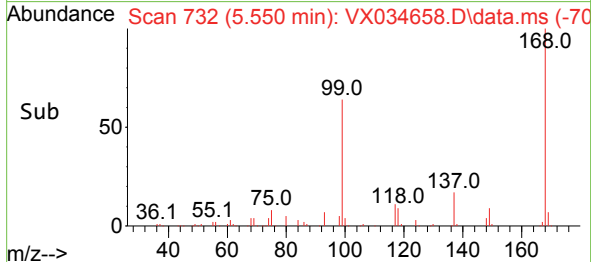
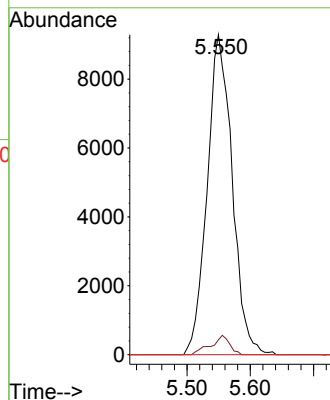
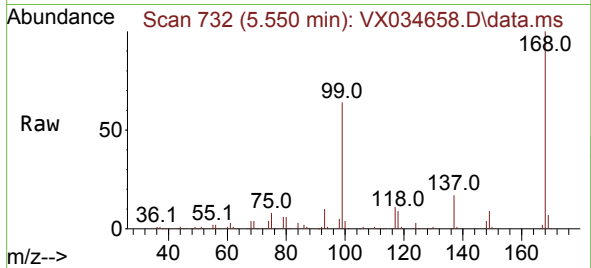




#38
Carbon Tetrachloride
Concen: 6.068 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

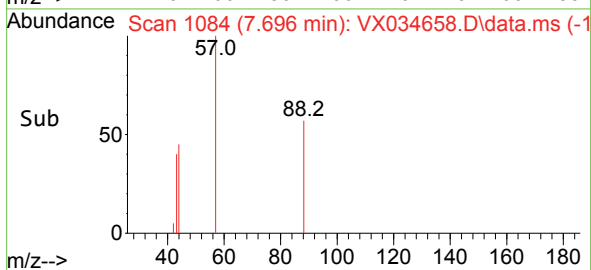
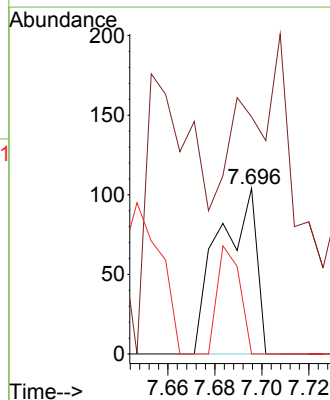
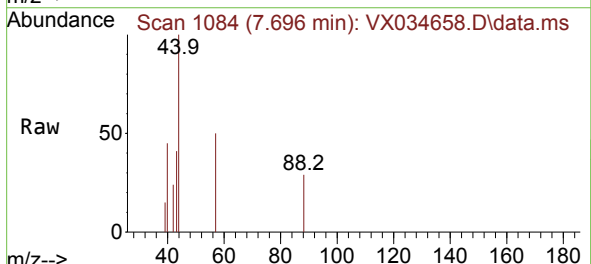
Instrument :
MSVOA_X
ClientSampleId :
600DL

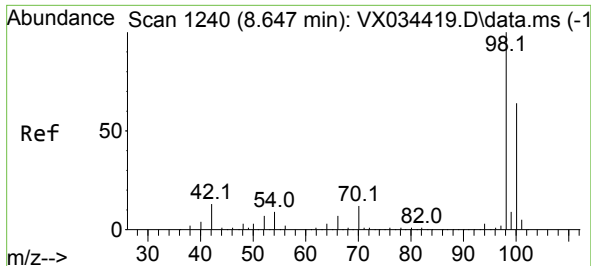
Tgt Ion:117 Resp: 25482
Ion Ratio Lower Upper
117 100
119 4.6 76.6 114.8#
121 0.0 23.8 35.6#



#49
1,4-Dioxane
Concen: 1.470 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.043 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

Tgt Ion: 88 Resp: 116
Ion Ratio Lower Upper
88 100
43 170.7 27.7 41.5#
58 0.0 56.8 85.2#

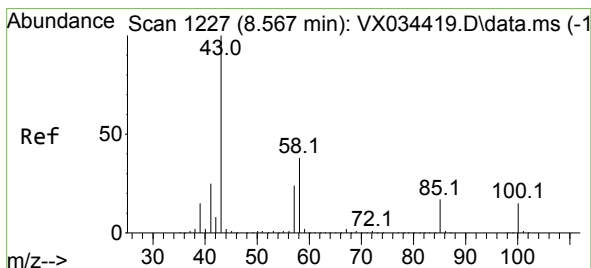
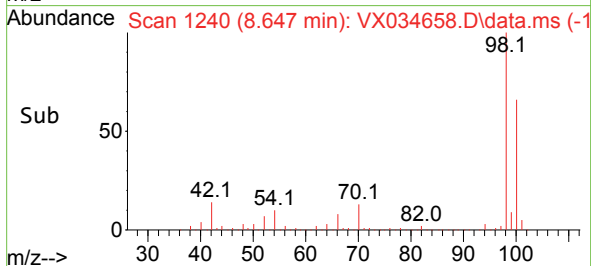
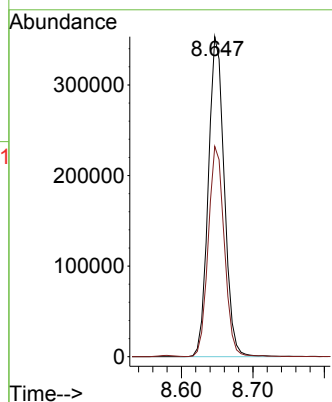
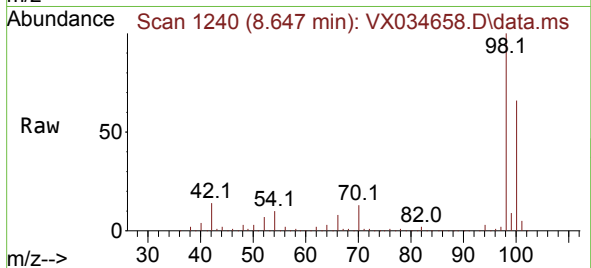




#50
Toluene-d8
Concen: 53.316 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

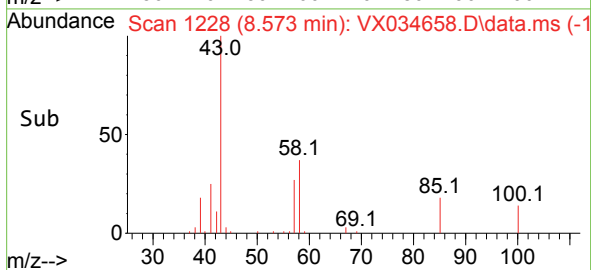
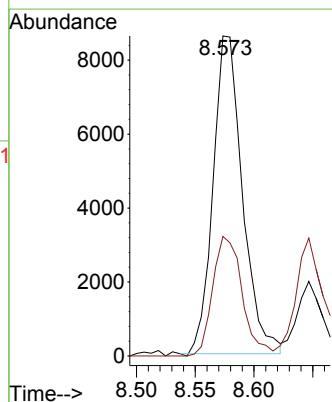
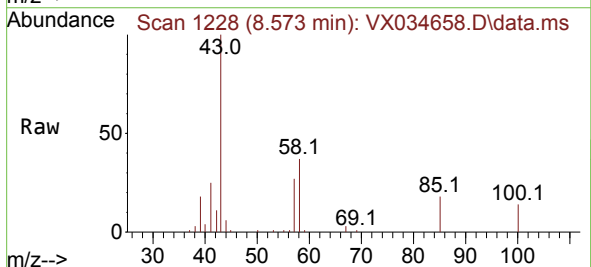
Instrument :
MSVOA_X
ClientSampleId :
600DL

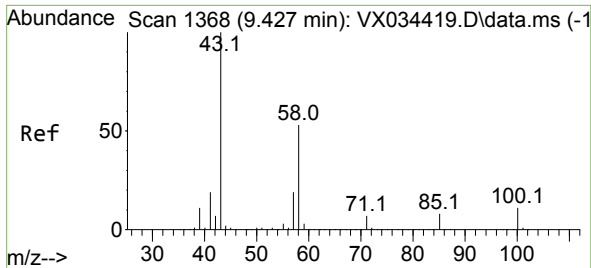
Tgt Ion: 98 Resp: 546999
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 3.303 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.006 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

Tgt Ion: 43 Resp: 14970
Ion Ratio Lower Upper
43 100
58 37.7 30.6 46.0

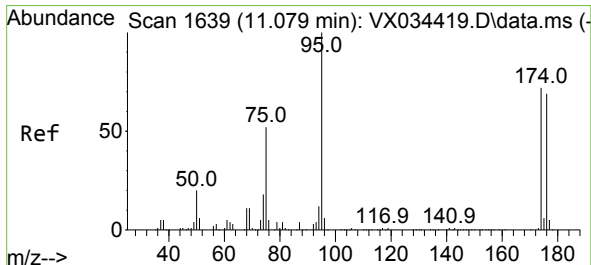
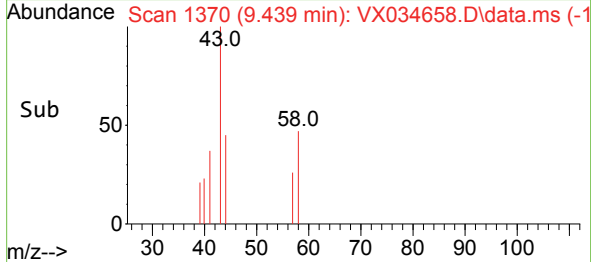
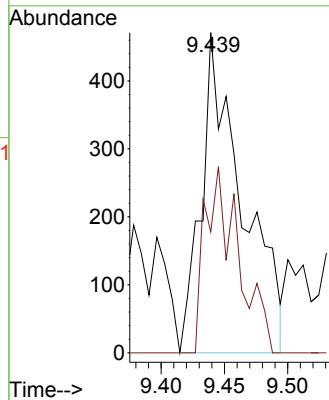
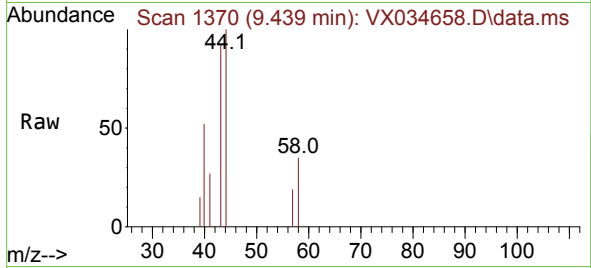




#59
2-Hexanone
Concen: 0.302 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

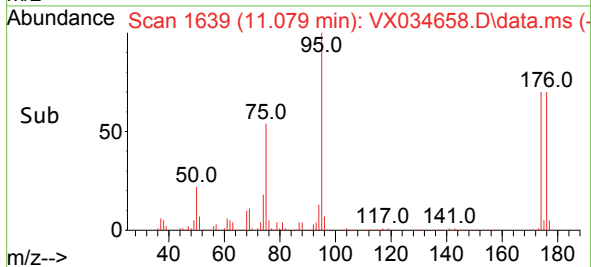
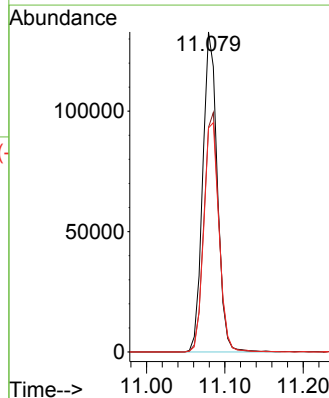
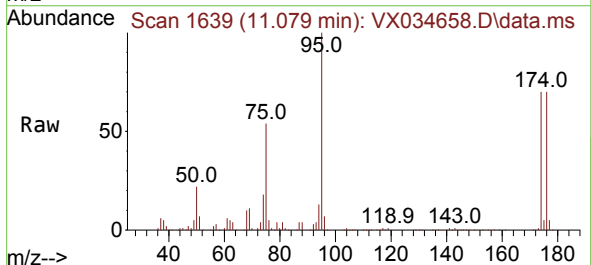
Instrument :
MSVOA_X
ClientSampleId :
600DL

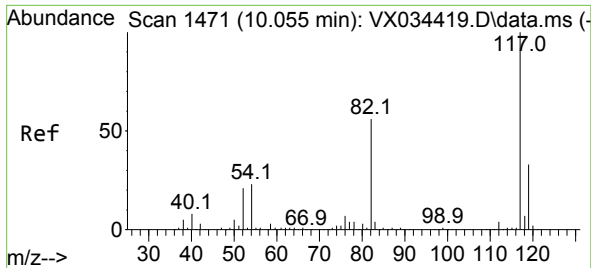
Tgt Ion: 43 Resp: 1057
Ion Ratio Lower Upper
43 100
58 47.4 26.3 78.9



#62
4-Bromofluorobenzene
Concen: 41.501 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

Tgt Ion: 95 Resp: 171982
Ion Ratio Lower Upper
95 100
174 76.4 0.0 147.4
176 74.8 0.0 140.6

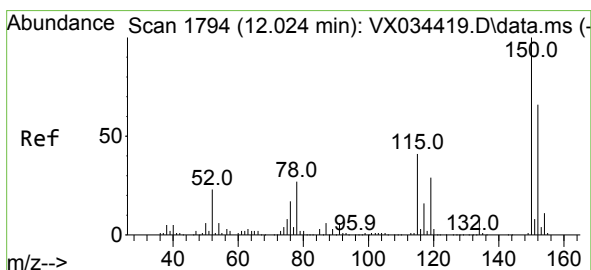
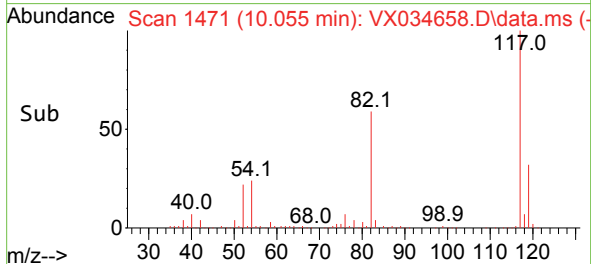
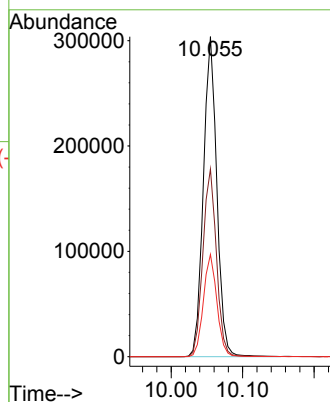
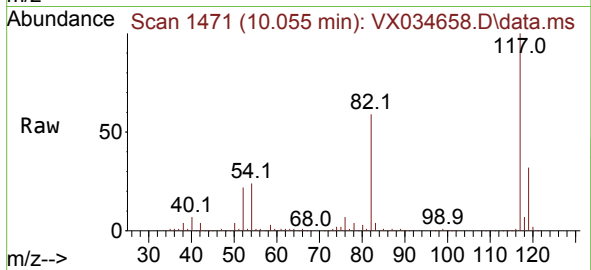




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

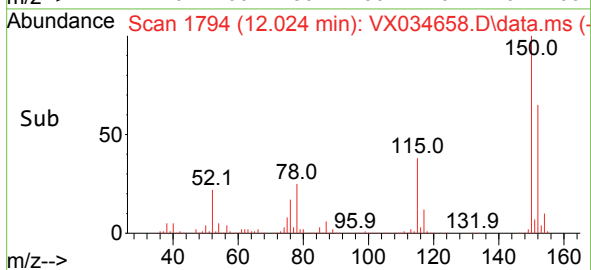
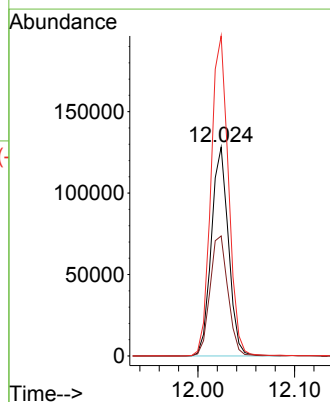
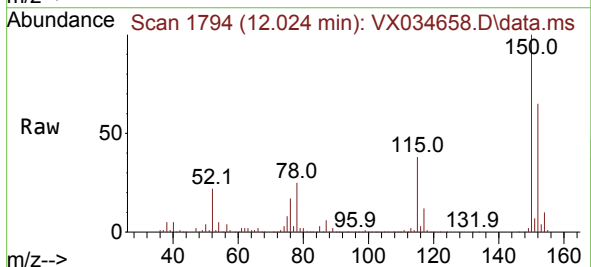
Instrument :
MSVOA_X
ClientSampleId :
600DL

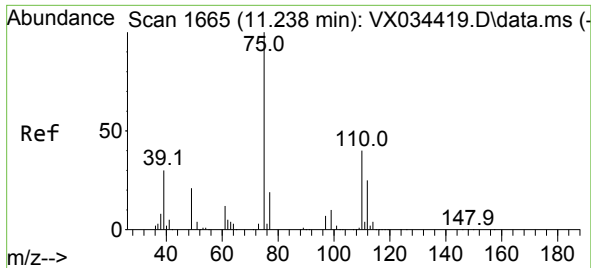
Tgt Ion:117 Resp: 396685
Ion Ratio Lower Upper
117 100
82 58.6 45.0 67.4
119 32.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

Tgt Ion:152 Resp: 158152
Ion Ratio Lower Upper
152 100
115 60.4 45.0 135.0
150 156.4 0.0 352.4

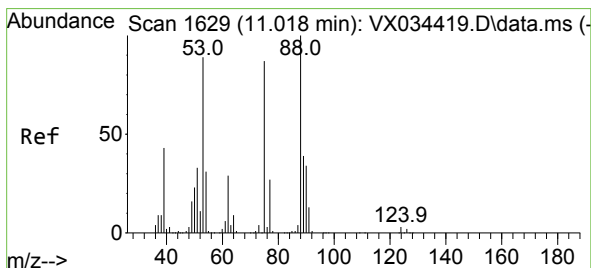
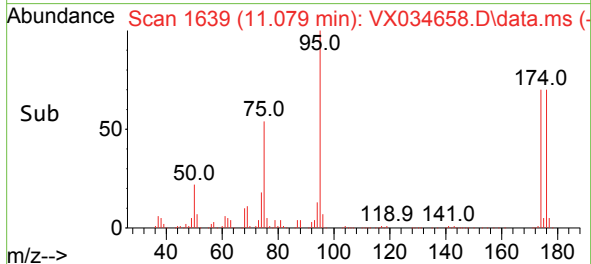
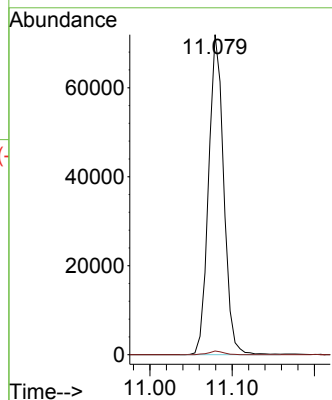
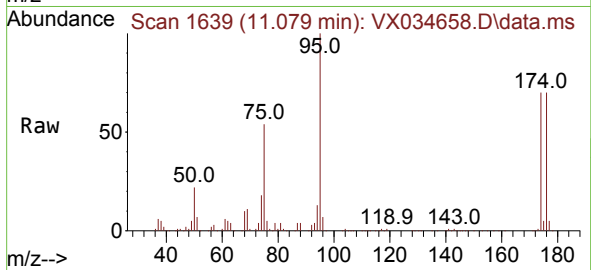




#76
1,2,3-Trichloropropane
Concen: 25.319 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

Instrument :
MSVOA_X
ClientSampleId :
600DL

Tgt Ion: 75 Resp: 91942
Ion Ratio Lower Upper
75 100
77 1.1 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.495 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

Tgt Ion: 75 Resp: 91942
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

