

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032423\
 Data File : VX034716.D
 Acq On : 24 Mar 2023 13:18
 Operator : JC/MD
 Sample : PB151645TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 27 01:29:11 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)

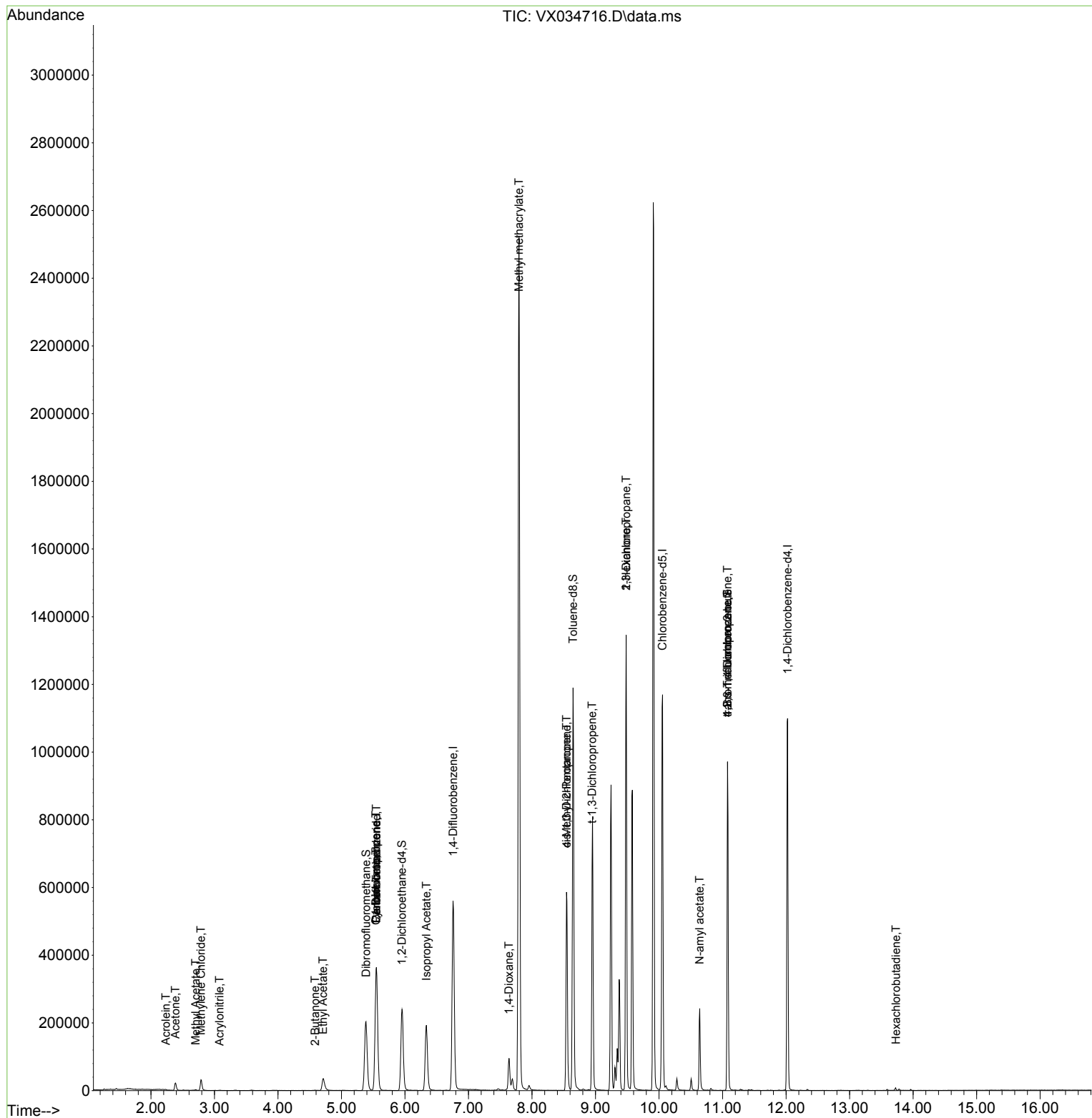
Internal Standards						
1) Pentafluorobenzene	5.550	168	327067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	554558	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	501459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	229764	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	244254	51.334	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.660%
35) Dibromofluoromethane	5.385	113	177627	48.513	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.020%
50) Toluene-d8	8.647	98	672664	49.213	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.420%
62) 4-Bromofluorobenzene	11.079	95	257915	46.715	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.440%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	331	Below Cal	#	80
13) Acrolein	2.233	56	225	0.287	ug/l #	47
15) Acrylonitrile	3.081	53	469	0.219	ug/l #	57
16) Acetone	2.386	43	27049	12.068	ug/l	96
18) Methyl Acetate	2.703	43	2943	0.402	ug/l	97
20) Methylene Chloride	2.788	84	14270	3.280	ug/l	96
25) 2-Butanone	4.587	43	2670	0.833	ug/l #	87
31) Cyclohexane	5.544	56	8041	1.205	ug/l #	9
36) 1,1-Dichloropropene	5.544	75	28093	4.995	ug/l #	51
37) Ethyl Acetate	4.709	43	64611	10.516	ug/l	99
38) Carbon Tetrachloride	5.550	117	35181	6.288	ug/l #	16
43) Isopropyl Acetate	6.336	43	270057	25.947	ug/l	100
48) Methyl methacrylate	7.793	41	226167	45.182	ug/l #	45
49) 1,4-Dioxane	7.635	88	78	0.742	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	216622	35.878	ug/l #	49
53) t-1,3-Dichloropropene	8.946	75	1946	0.306	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	93546	13.579	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	11706	1.629	ug/l #	43
59) 2-Hexanone	9.482	43	169068	36.224	ug/l #	51
74) N-amyl acetate	10.640	43	68740	8.082	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	137992	26.156	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	137992	70.761	ug/l #	8
94) Hexachlorobutadiene	13.731	225	1120	0.551	ug/l	93

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

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Mar 27 01:29:11 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

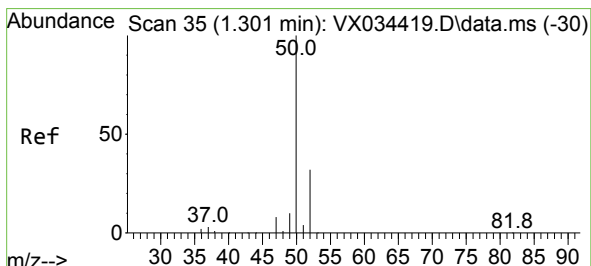
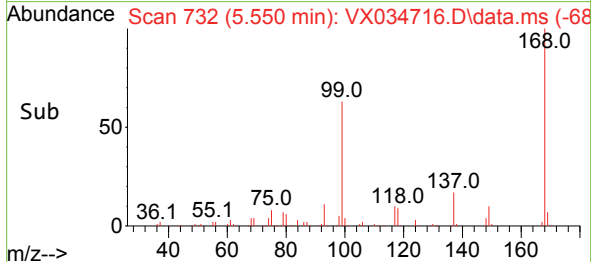
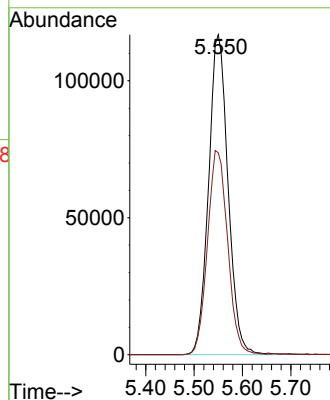
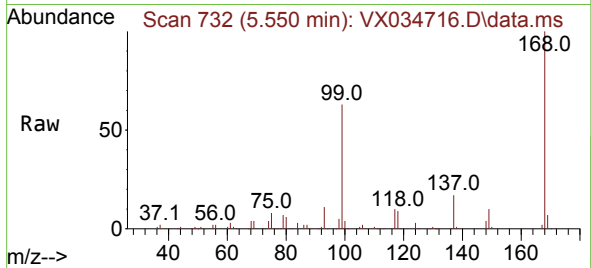




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

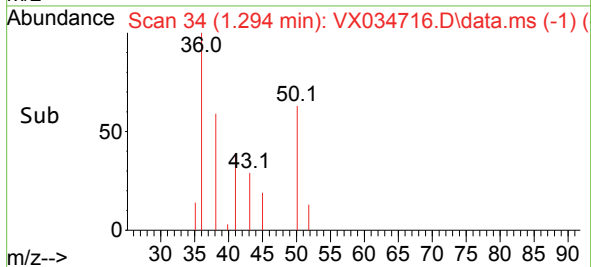
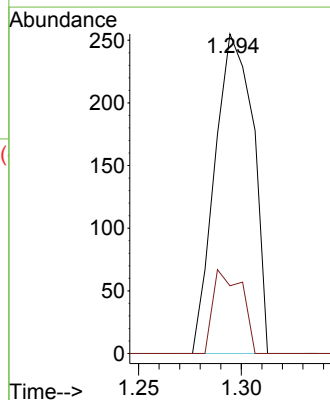
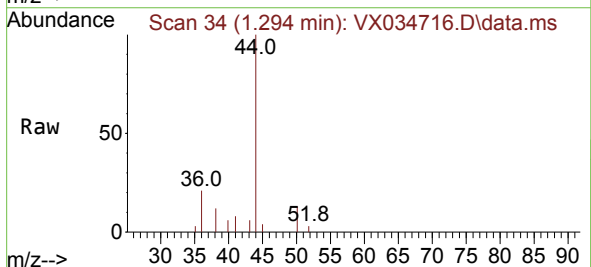
Instrument :
MSVOA_X
ClientSampleId :

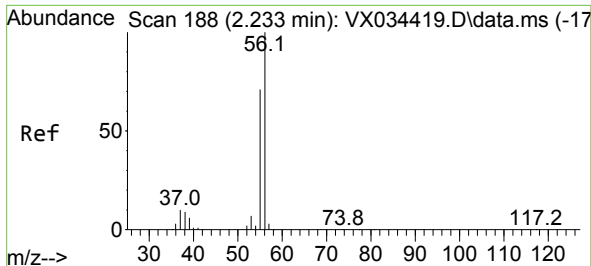
Tgt Ion:168 Resp: 327067
Ion Ratio Lower Upper
168 100
99 63.1 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

Tgt Ion: 50 Resp: 331
Ion Ratio Lower Upper
50 100
52 21.2 25.9 38.9#

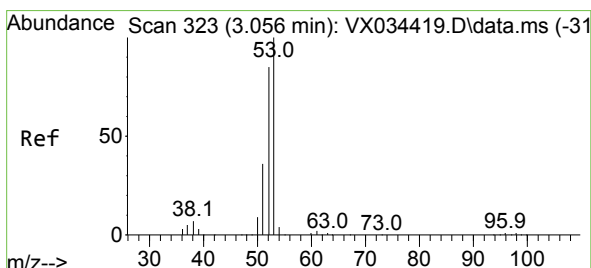
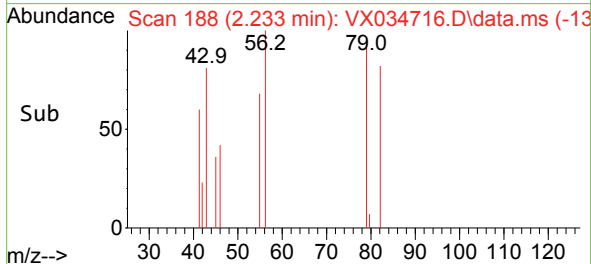
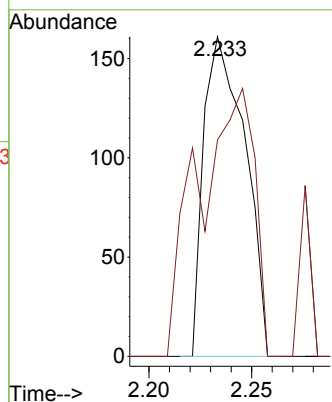
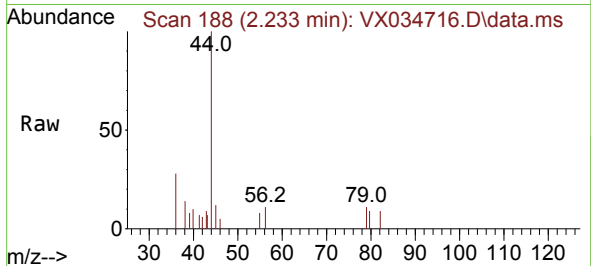




#13
Acrolein
Concen: 0.287 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

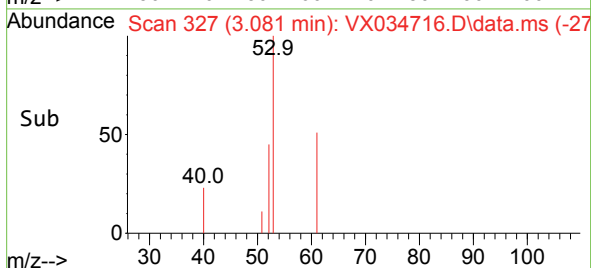
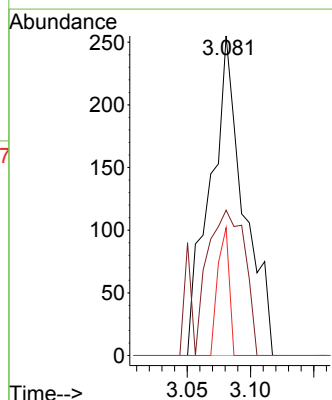
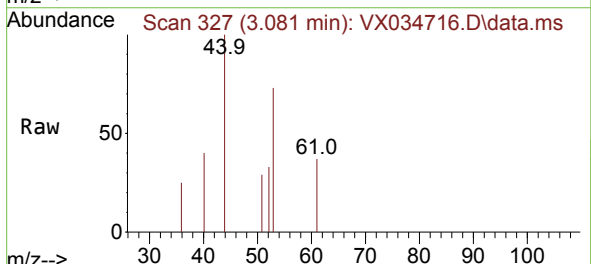
Instrument :
MSVOA_X
ClientSampleId :

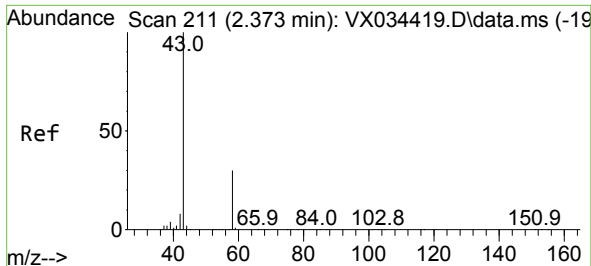
Tgt Ion: 56 Resp: 225
Ion Ratio Lower Upper
56 100
55 114.2 56.6 85.0#



#15
Acrylonitrile
Concen: 0.219 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.025 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

Tgt Ion: 53 Resp: 469
Ion Ratio Lower Upper
53 100
52 50.5 66.2 99.2#
51 0.0 28.3 42.5#

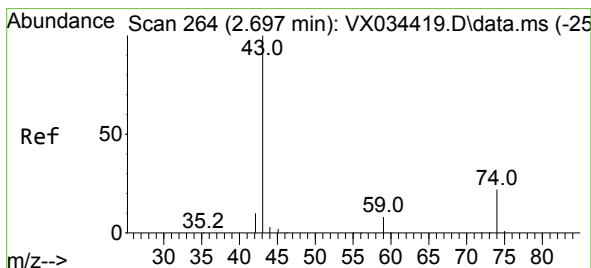
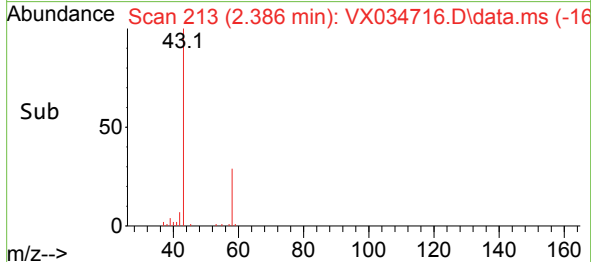
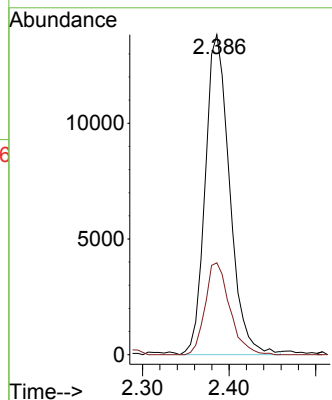
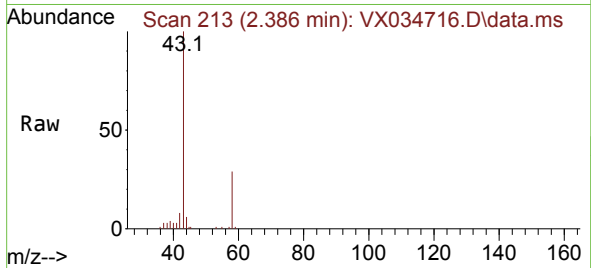




#16
Acetone
Concen: 12.068 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

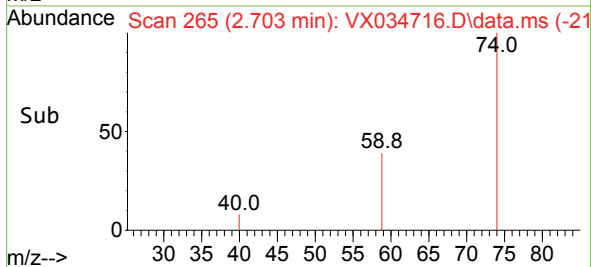
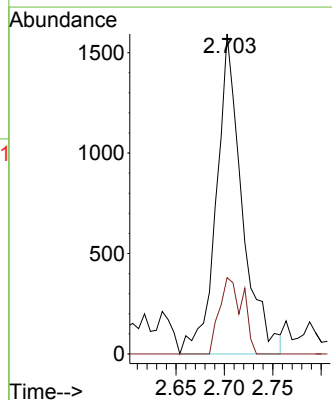
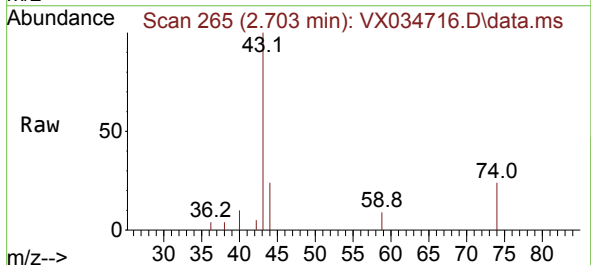
Instrument :
MSVOA_X
ClientSampleId :

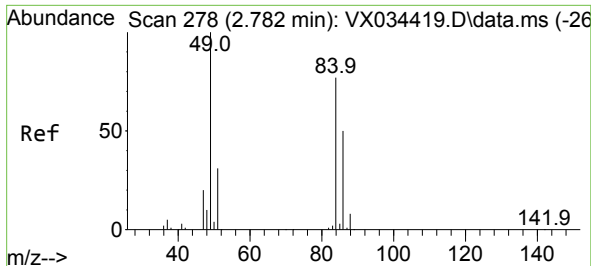
Tgt Ion: 43 Resp: 27049
Ion Ratio Lower Upper
43 100
58 28.7 24.7 37.1



#18
Methyl Acetate
Concen: 0.402 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

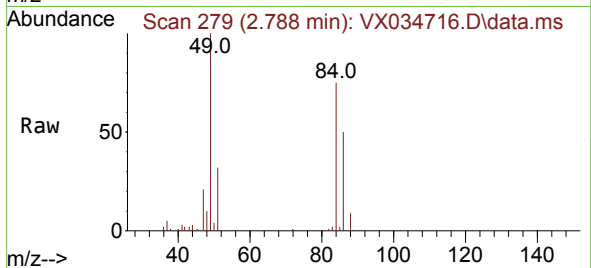
Tgt Ion: 43 Resp: 2943
Ion Ratio Lower Upper
43 100
74 21.6 18.3 27.5



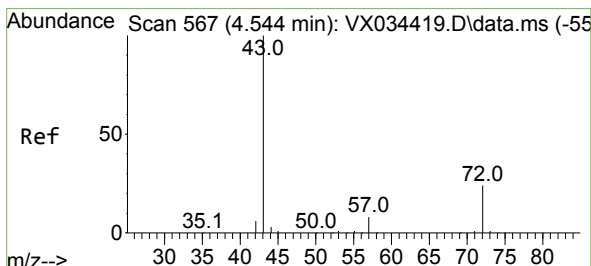
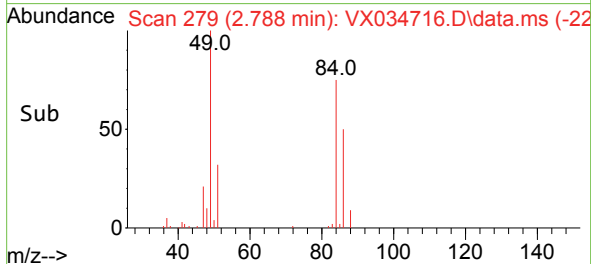
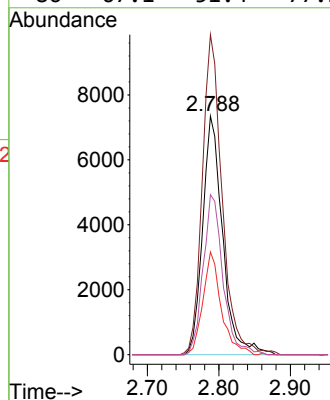


#20
Methylene Chloride
Concen: 3.280 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

Instrument :
MSVOA_X
ClientSampleId :

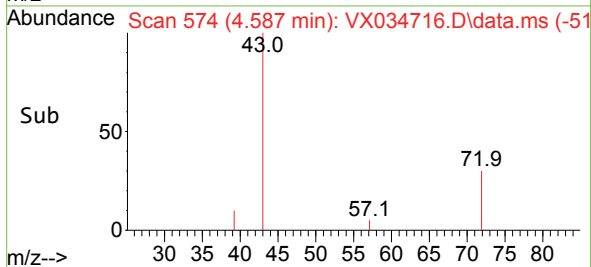
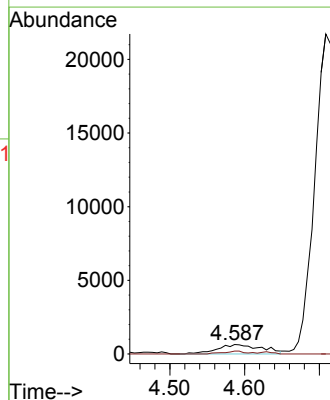
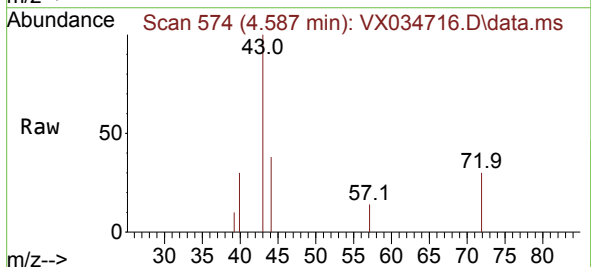


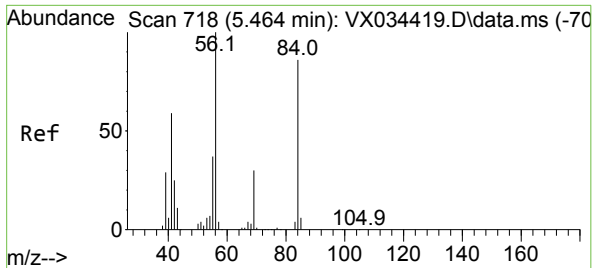
Tgt Ion: 84 Resp: 14270
Ion Ratio Lower Upper
84 100
49 134.1 103.8 155.8
51 43.0 31.8 47.8
86 67.1 51.4 77.2



#25
2-Butanone
Concen: 0.833 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.043 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

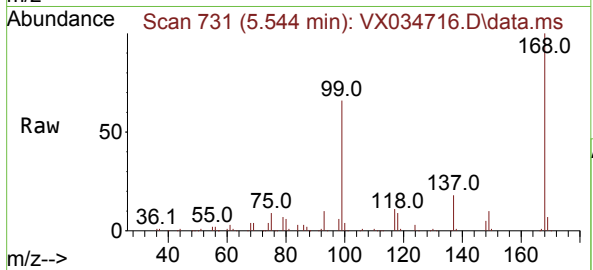
Tgt Ion: 43 Resp: 2670
Ion Ratio Lower Upper
43 100
72 30.4 19.3 28.9#



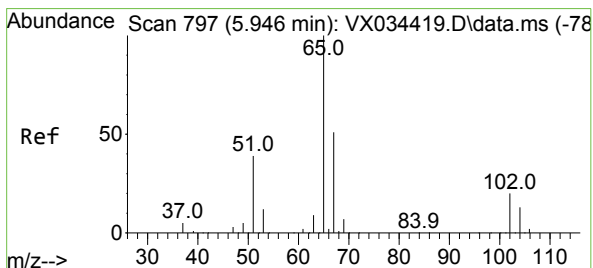
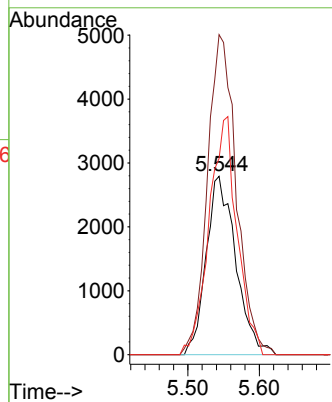
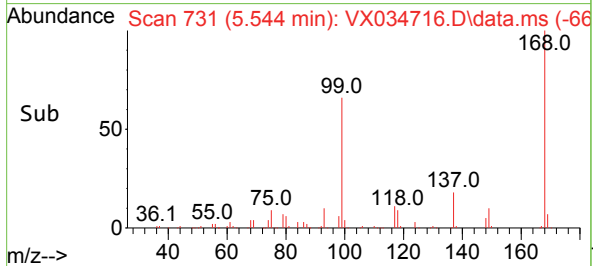


#31
Cyclohexane
Concen: 1.205 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

Instrument :
MSVOA_X
ClientSampleId :

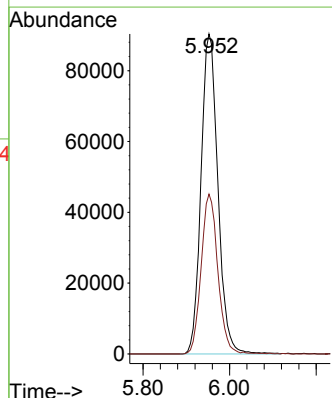
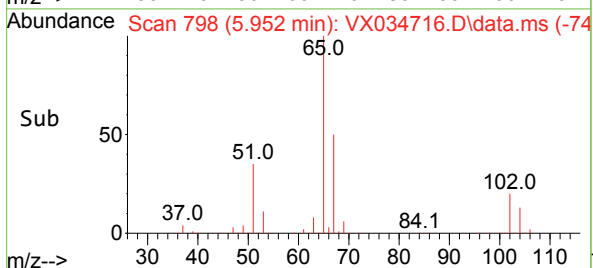
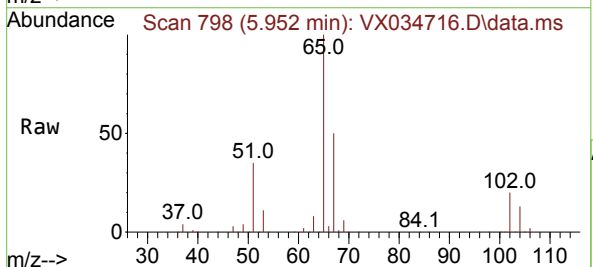


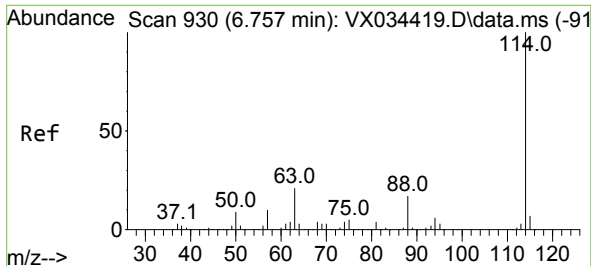
Tgt Ion: 56 Resp: 8041
Ion Ratio Lower Upper
56 100
69 179.3 23.7 35.5#
84 109.9 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 51.334 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

Tgt Ion: 65 Resp: 244254
Ion Ratio Lower Upper
65 100
67 49.5 0.0 104.0

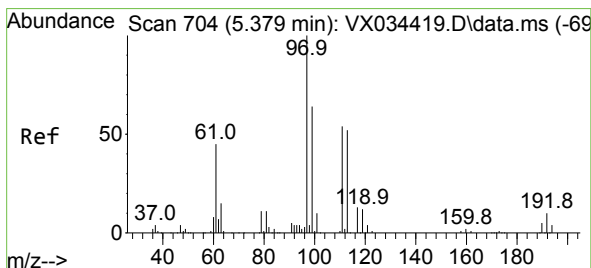
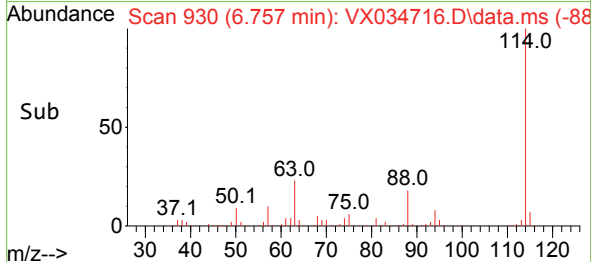
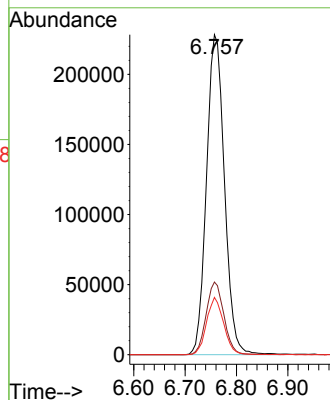
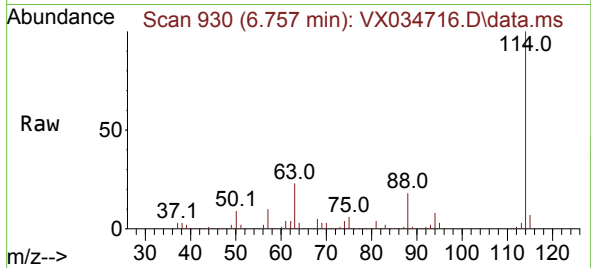




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

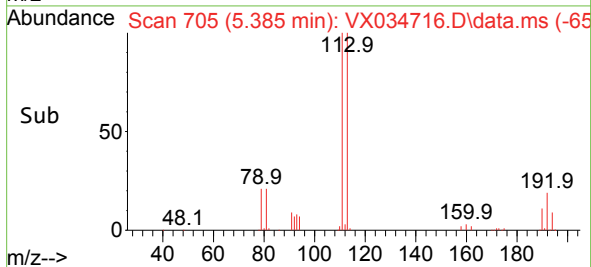
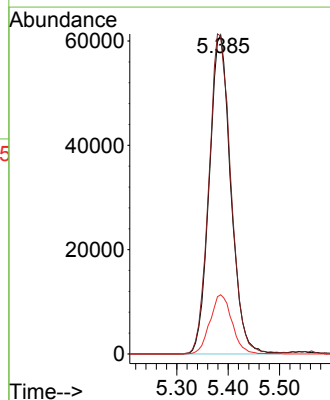
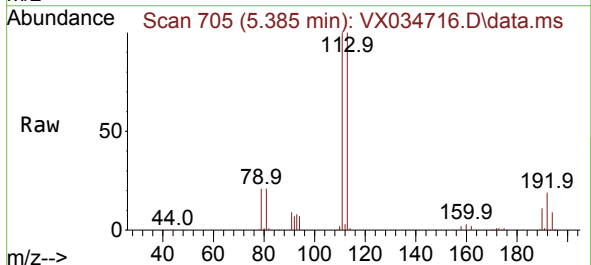
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MSVOA_X
ClientSampleId :

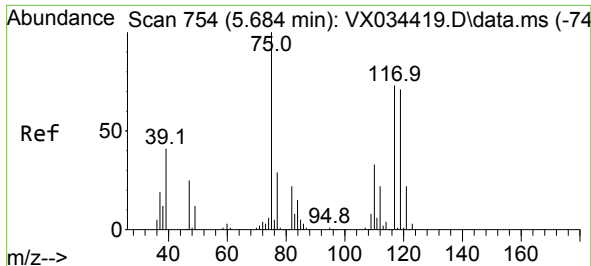
Tgt Ion:114 Resp: 554558
Ion Ratio Lower Upper
114 100
63 22.7 0.0 42.2
88 17.9 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.513 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

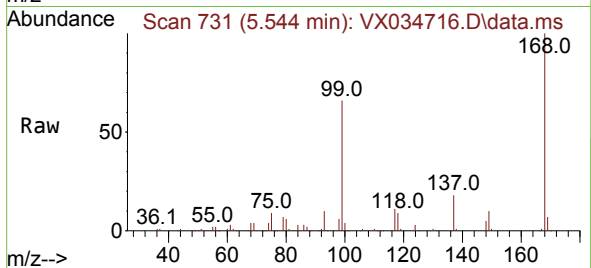
Tgt Ion:113 Resp: 177627
Ion Ratio Lower Upper
113 100
111 102.9 83.7 125.5
192 19.0 15.4 23.2



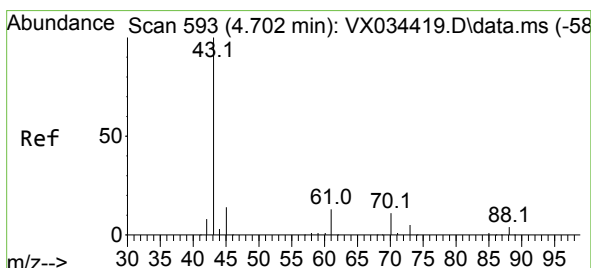
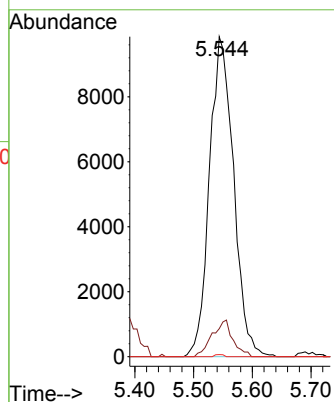
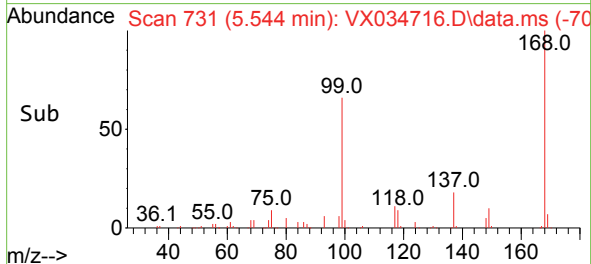


#36
1,1-Dichloropropene
Concen: 4.995 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

Instrument :
MSVOA_X
ClientSampleId :

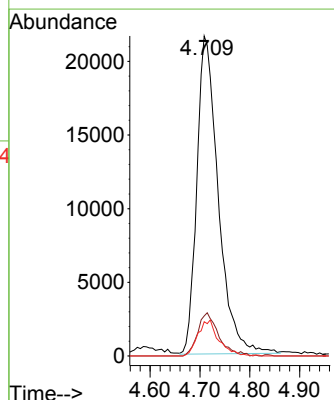
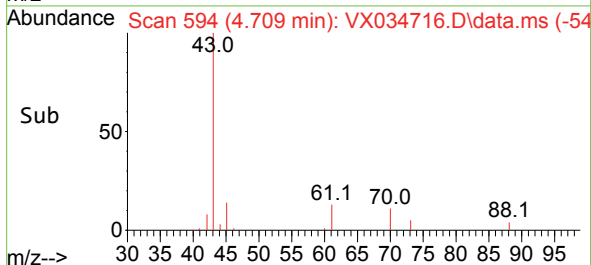
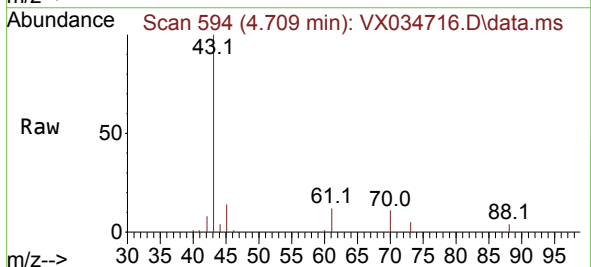


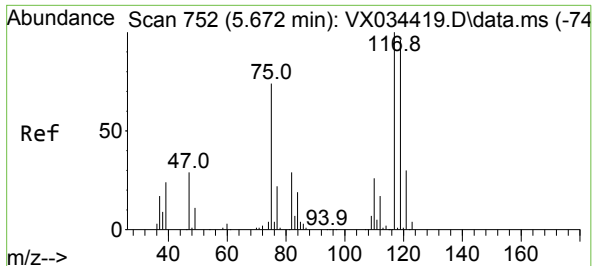
Tgt Ion: 75 Resp: 28093
Ion Ratio Lower Upper
75 100
110 9.8 17.5 52.5#
77 0.2 24.3 36.5#



#37
Ethyl Acetate
Concen: 10.516 ug/l
RT: 4.709 min Scan# 594
Delta R.T. 0.006 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

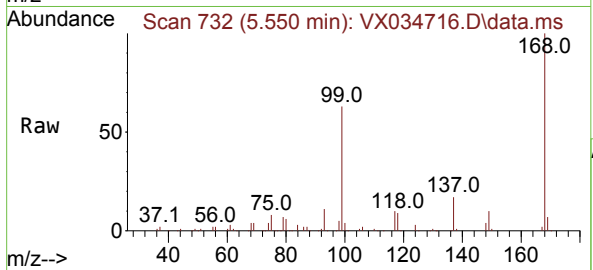
Tgt Ion: 43 Resp: 64611
Ion Ratio Lower Upper
43 100
61 13.3 10.2 15.4
70 10.9 8.2 12.4



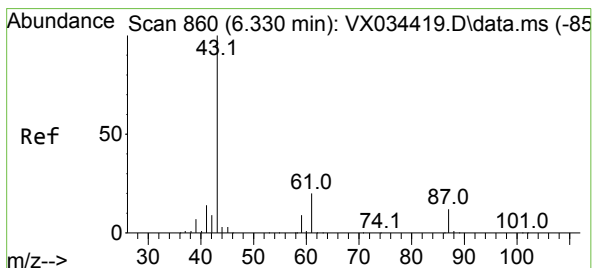
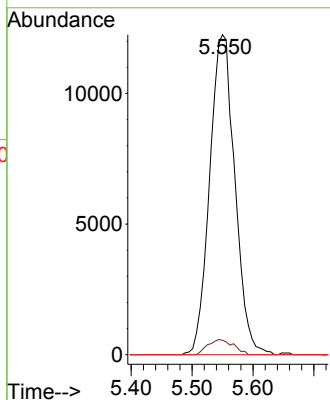
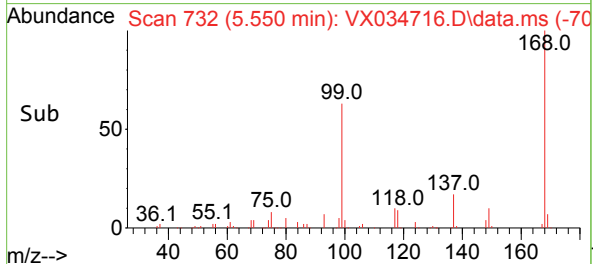


#38
Carbon Tetrachloride
Concen: 6.288 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

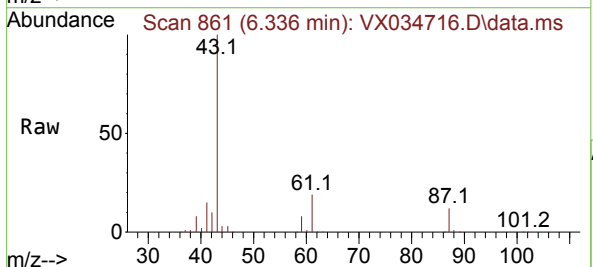
Instrument :
MSVOA_X
ClientSampleId :



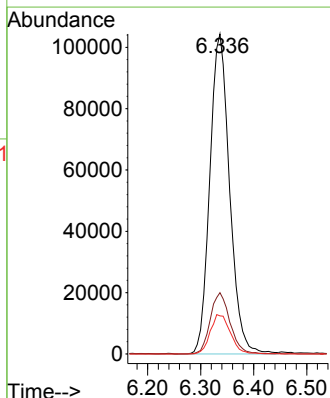
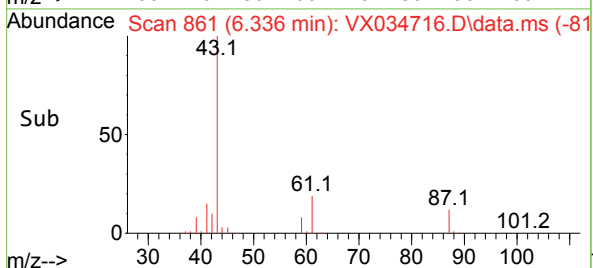
Tgt Ion:117 Resp: 35181
Ion Ratio Lower Upper
117 100
119 4.5 76.6 114.8#
121 0.0 23.8 35.6#

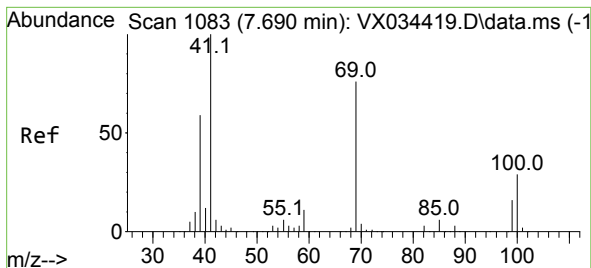


#43
Isopropyl Acetate
Concen: 25.947 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18



Tgt Ion: 43 Resp: 270057
Ion Ratio Lower Upper
43 100
61 19.1 15.2 22.8
87 12.5 9.8 14.8





#48

Methyl methacrylate

Concen: 45.182 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX034716.D

Acq: 24 Mar 2023 13:18

Instrument :

MSVOA_X

ClientSampleId :

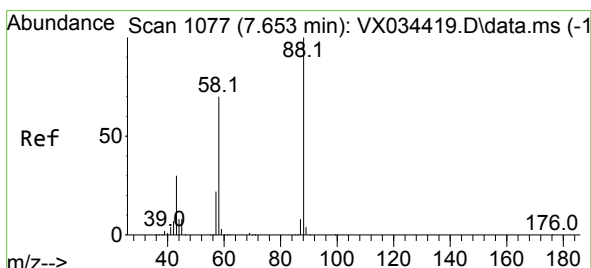
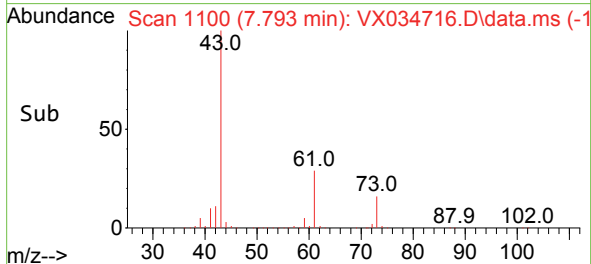
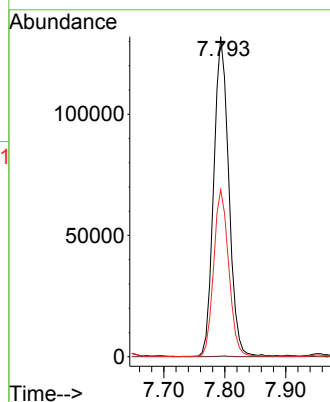
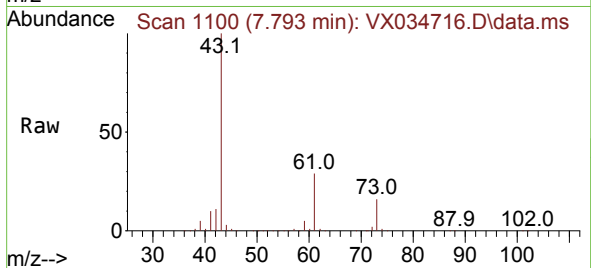
Tgt Ion: 41 Resp: 226167

Ion Ratio Lower Upper

41 100

69 0.2 62.2 93.4#

39 52.5 47.7 71.5



#49

1,4-Dioxane

Concen: 0.742 ug/l

RT: 7.635 min Scan# 1074

Delta R.T. -0.018 min

Lab File: VX034716.D

Acq: 24 Mar 2023 13:18

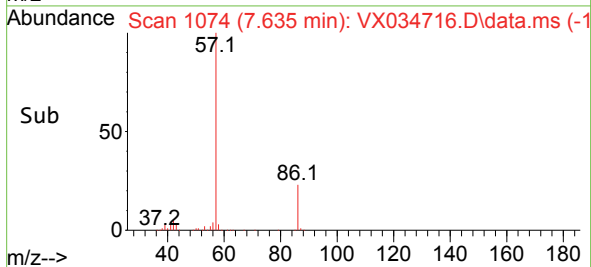
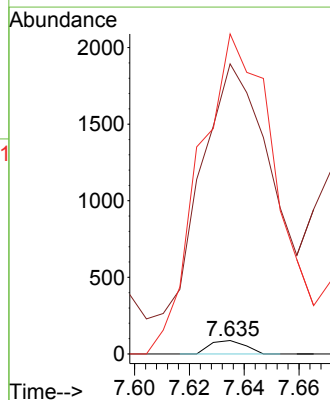
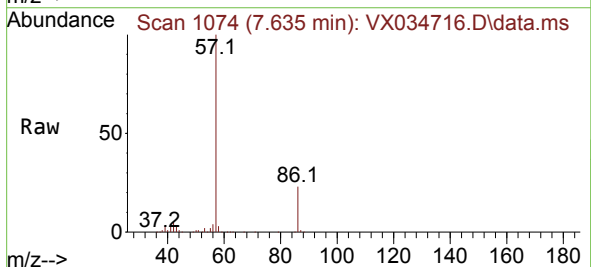
Tgt Ion: 88 Resp: 78

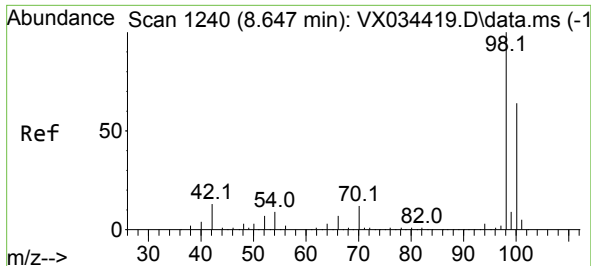
Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 5162.8 56.8 85.2#

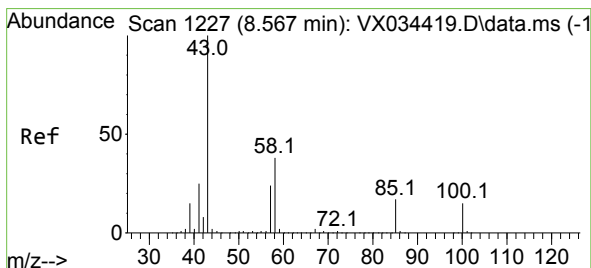
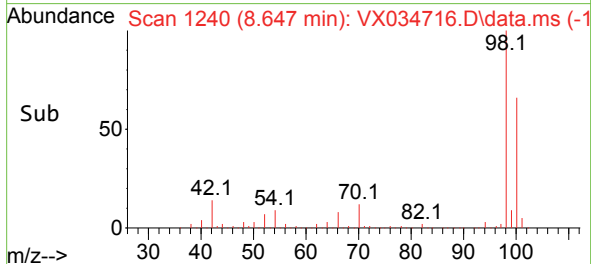
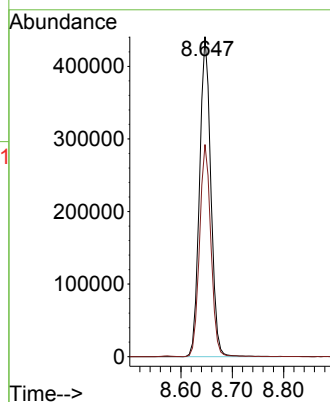
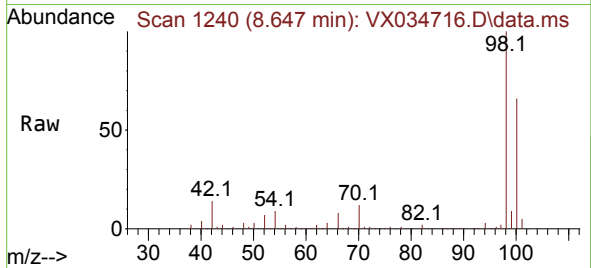




#50
Toluene-d8
Concen: 49.213 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

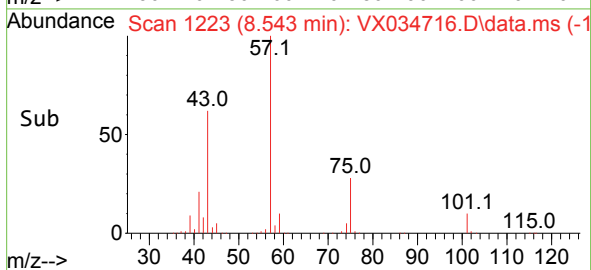
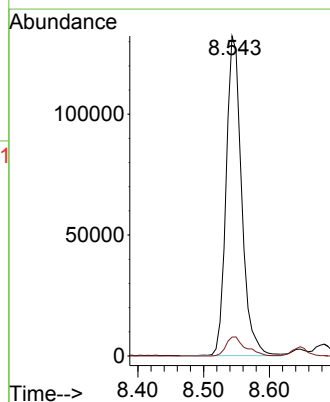
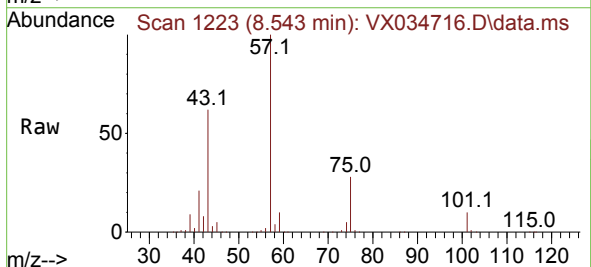
Instrument :
MSVOA_X
ClientSampleId :

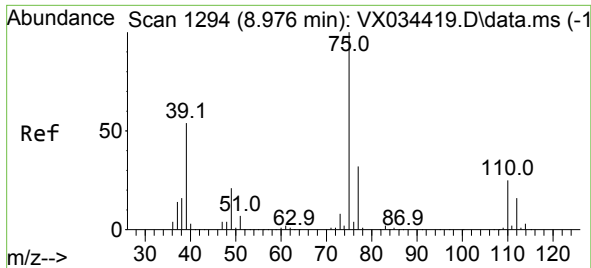
Tgt Ion: 98 Resp: 672664
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 35.878 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.024 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

Tgt Ion: 43 Resp: 216622
Ion Ratio Lower Upper
43 100
58 7.5 30.6 46.0#

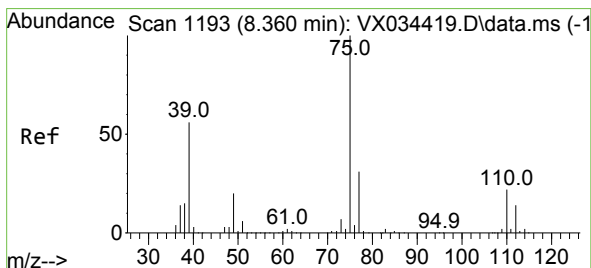
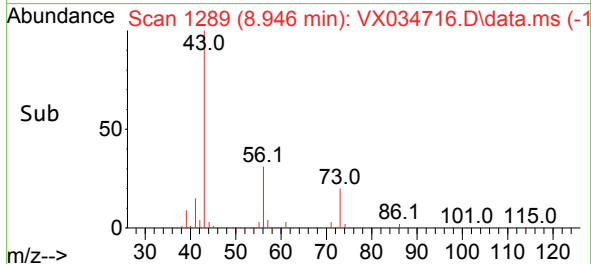
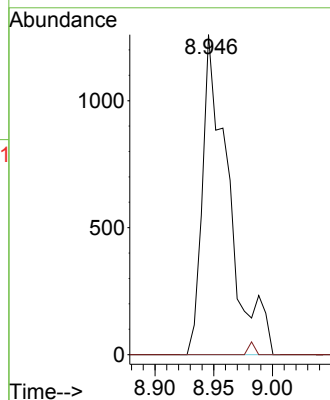
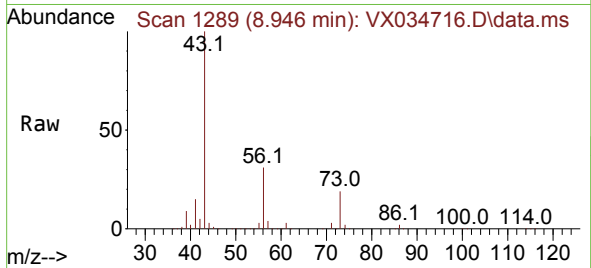




#53
 t-1,3-Dichloropropene
 Concen: 0.306 ug/l
 RT: 8.946 min Scan# 11
 Delta R.T. -0.030 min
 Lab File: VX034716.D
 Acq: 24 Mar 2023 13:18

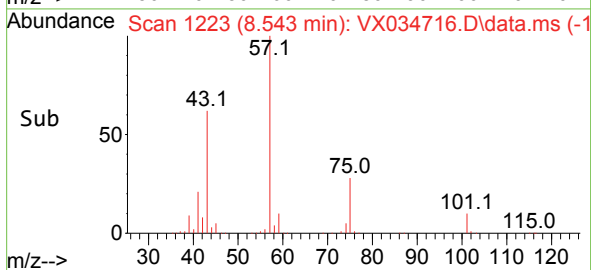
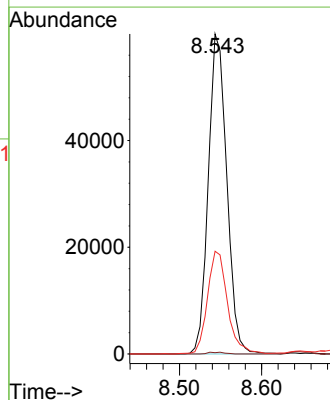
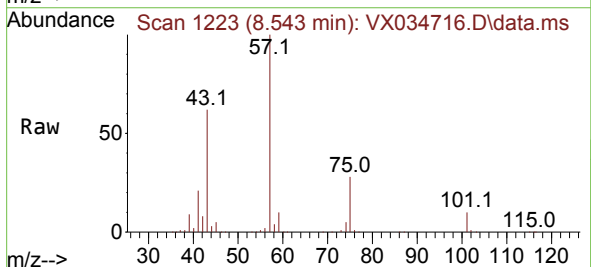
Instrument :
 MSVOA_X
 ClientSampleId :

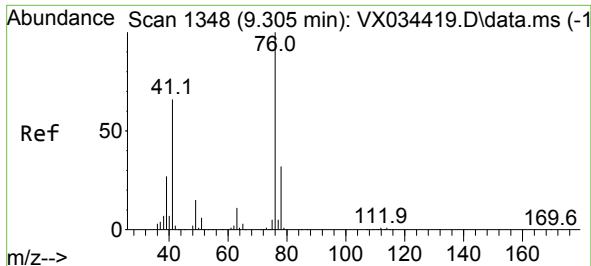
Tgt Ion: 75 Resp: 1946
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 13.579 ug/l
 RT: 8.543 min Scan# 1223
 Delta R.T. 0.183 min
 Lab File: VX034716.D
 Acq: 24 Mar 2023 13:18

Tgt Ion: 75 Resp: 93546
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.4#
 39 31.9 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 1.629 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034716.D

Acq: 24 Mar 2023 13:18

Instrument :

MSVOA_X

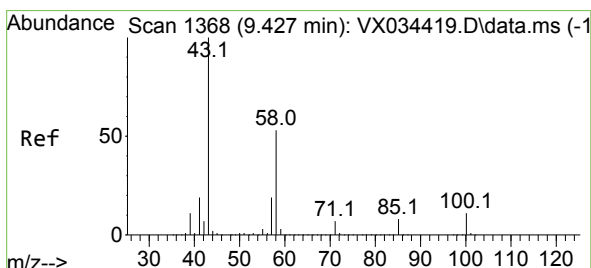
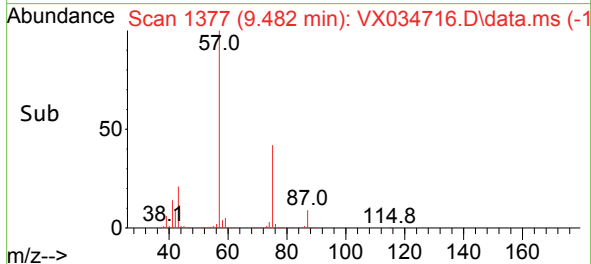
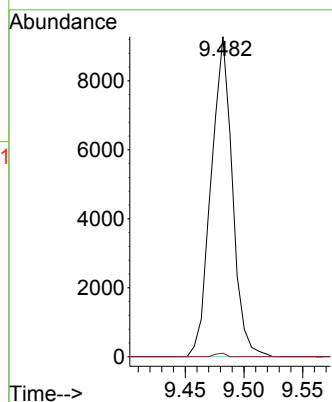
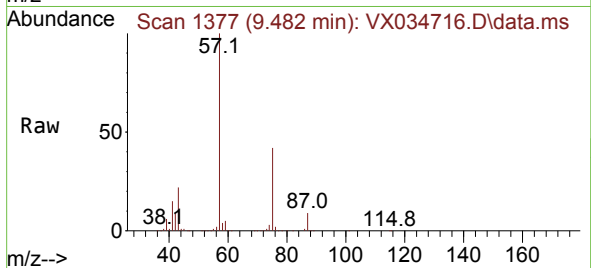
ClientSampleId :

Tgt Ion: 76 Resp: 11706

Ion Ratio Lower Upper

76 100

78 0.6 25.8 38.8#



#59

2-Hexanone

Concen: 36.224 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034716.D

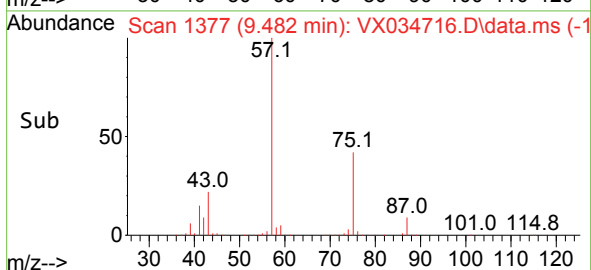
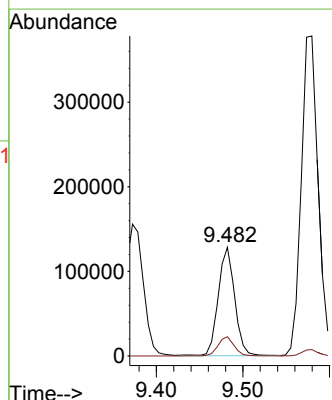
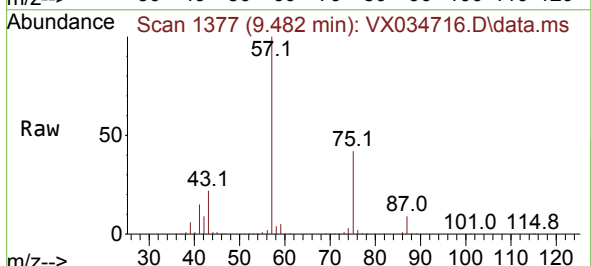
Acq: 24 Mar 2023 13:18

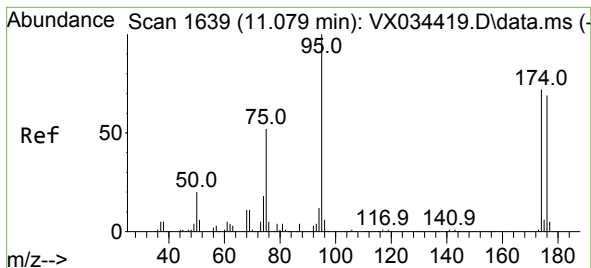
Tgt Ion: 43 Resp: 169068

Ion Ratio Lower Upper

43 100

58 17.7 26.3 78.9#

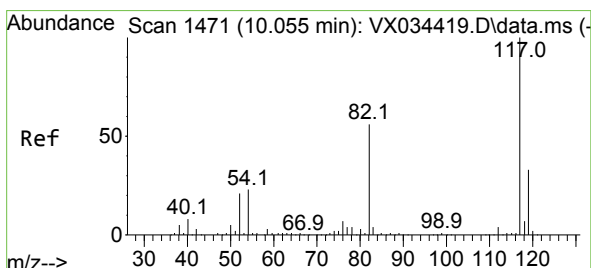
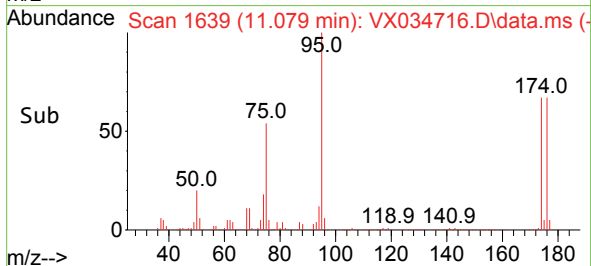
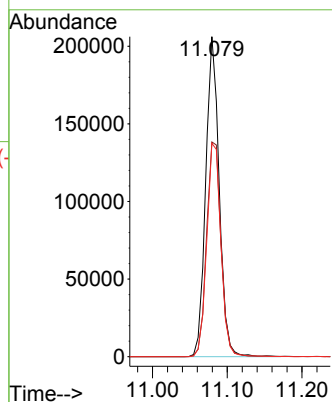
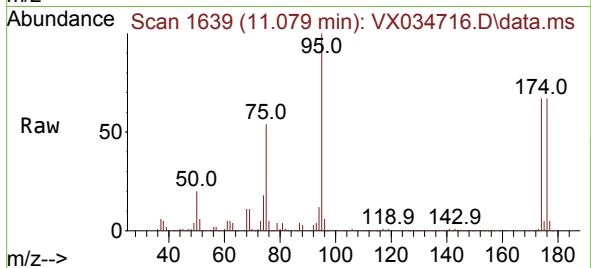




#62
4-Bromofluorobenzene
Concen: 46.715 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

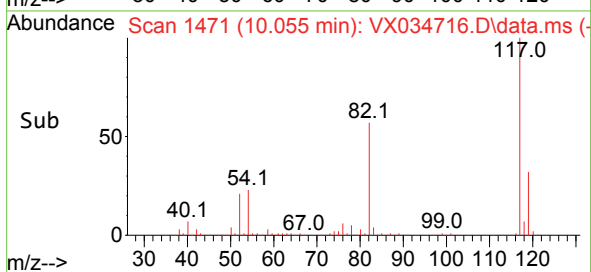
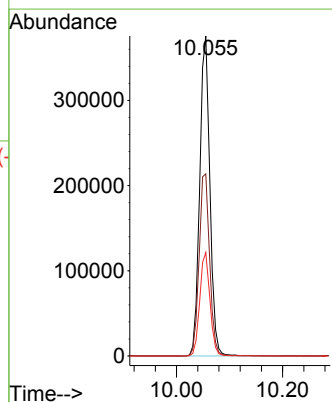
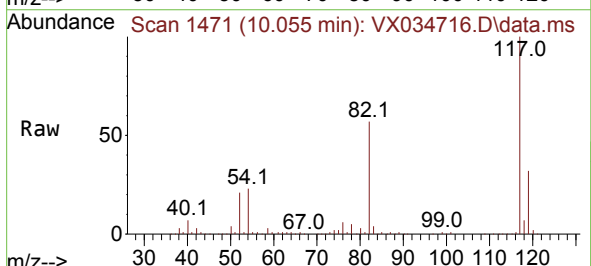
Instrument :
MSVOA_X
ClientSampleId :

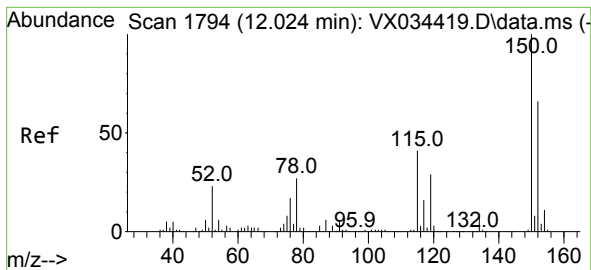
Tgt Ion: 95 Resp: 257915
Ion Ratio Lower Upper
95 100
174 71.9 0.0 147.4
176 69.8 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

Tgt Ion: 117 Resp: 501459
Ion Ratio Lower Upper
117 100
82 56.9 45.0 67.4
119 32.3 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034716.D

Acq: 24 Mar 2023 13:18

Instrument :

MSVOA_X

ClientSampleId :

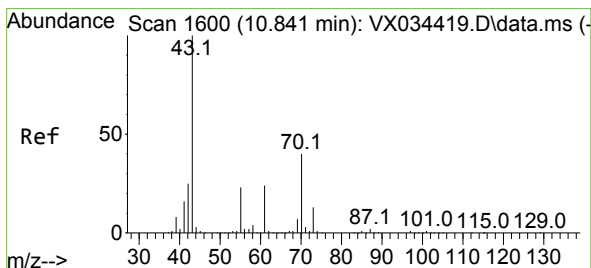
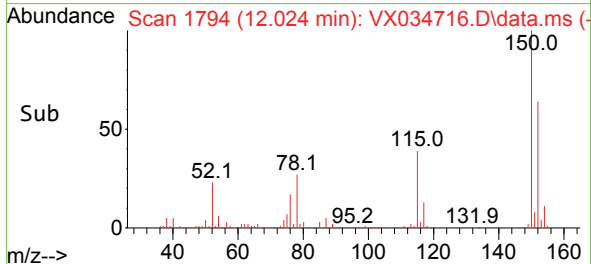
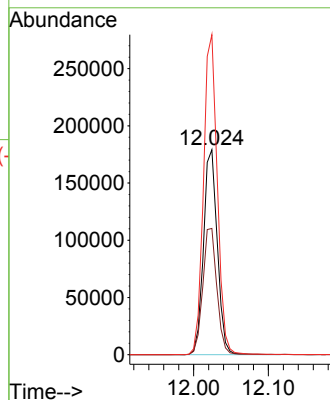
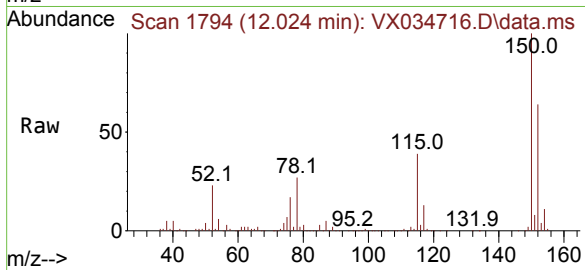
Tgt Ion:152 Resp: 229764

Ion Ratio Lower Upper

152 100

115 63.1 45.0 135.0

150 156.2 0.0 352.4



#74

N-ethyl acetate

Concen: 8.082 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX034716.D

Acq: 24 Mar 2023 13:18

Tgt Ion: 43 Resp: 68740

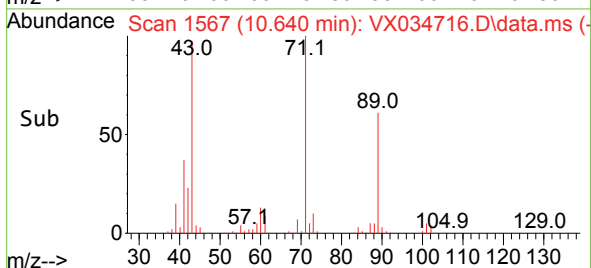
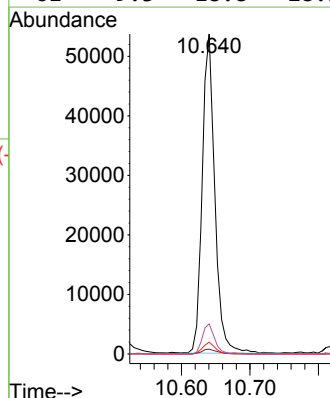
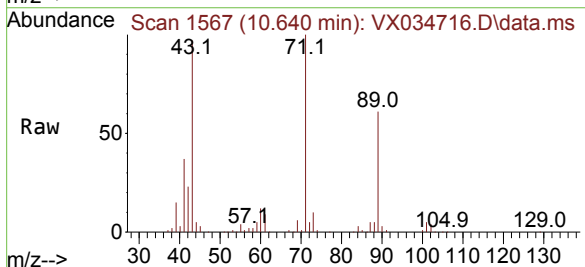
Ion Ratio Lower Upper

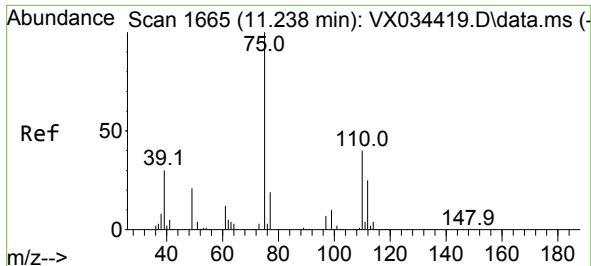
43 100

70 1.8 32.1 48.1#

55 3.7 18.3 27.5#

61 9.3 18.8 28.2#

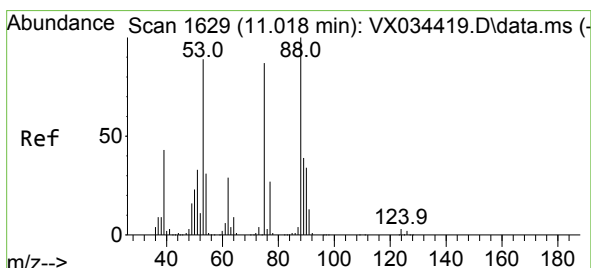
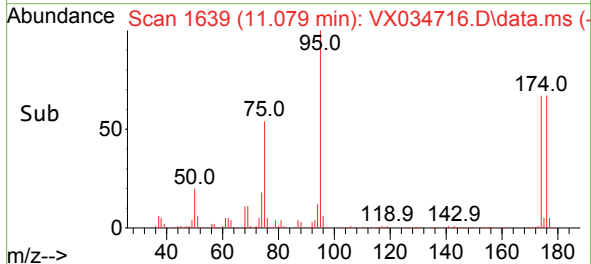
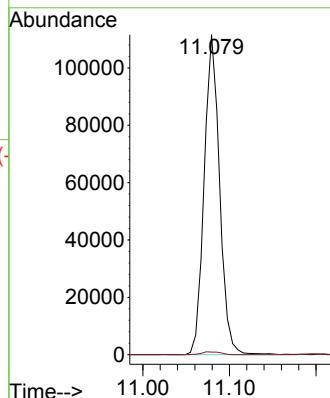
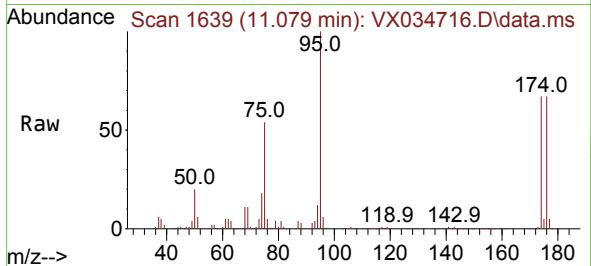




#76
1,2,3-Trichloropropane
Concen: 26.156 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

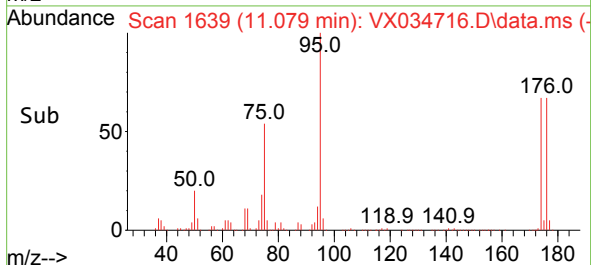
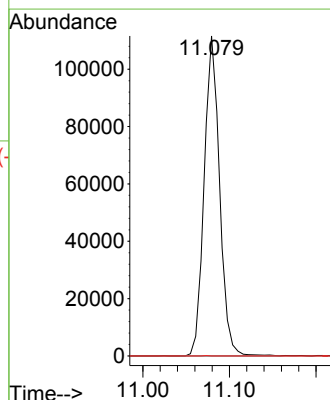
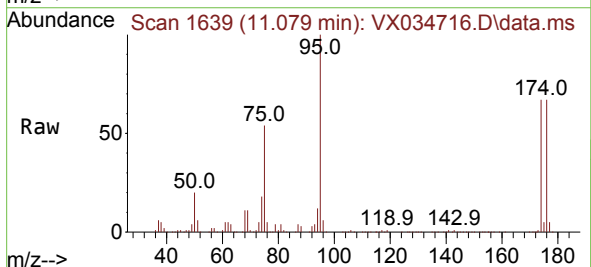
Instrument :
MSVOA_X
ClientSampleId :

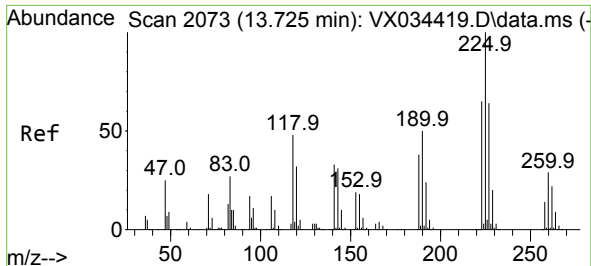
Tgt Ion: 75 Resp: 137992
Ion Ratio Lower Upper
75 100
77 1.1 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.761 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034716.D
Acq: 24 Mar 2023 13:18

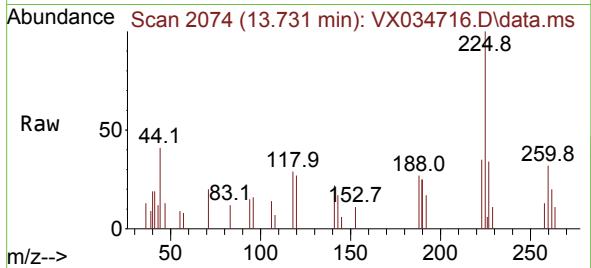
Tgt Ion: 75 Resp: 137992
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#





#94
 Hexachlorobutadiene
 Concen: 0.551 ug/l
 RT: 13.731 min Scan# 2074
 Delta R.T. 0.006 min
 Lab File: VX034716.D
 Acq: 24 Mar 2023 13:18

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	225	Resp:	1120
Ion	Ratio	Lower	Upper
225	100		
223	55.8	32.1	96.5
227	60.4	31.8	95.4

