

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022223\
 Data File : VX034226.D
 Acq On : 22 Feb 2023 14:13
 Operator : JC/MD
 Sample : PB150999TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB150999TB

Quant Time: Feb 23 01:29:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

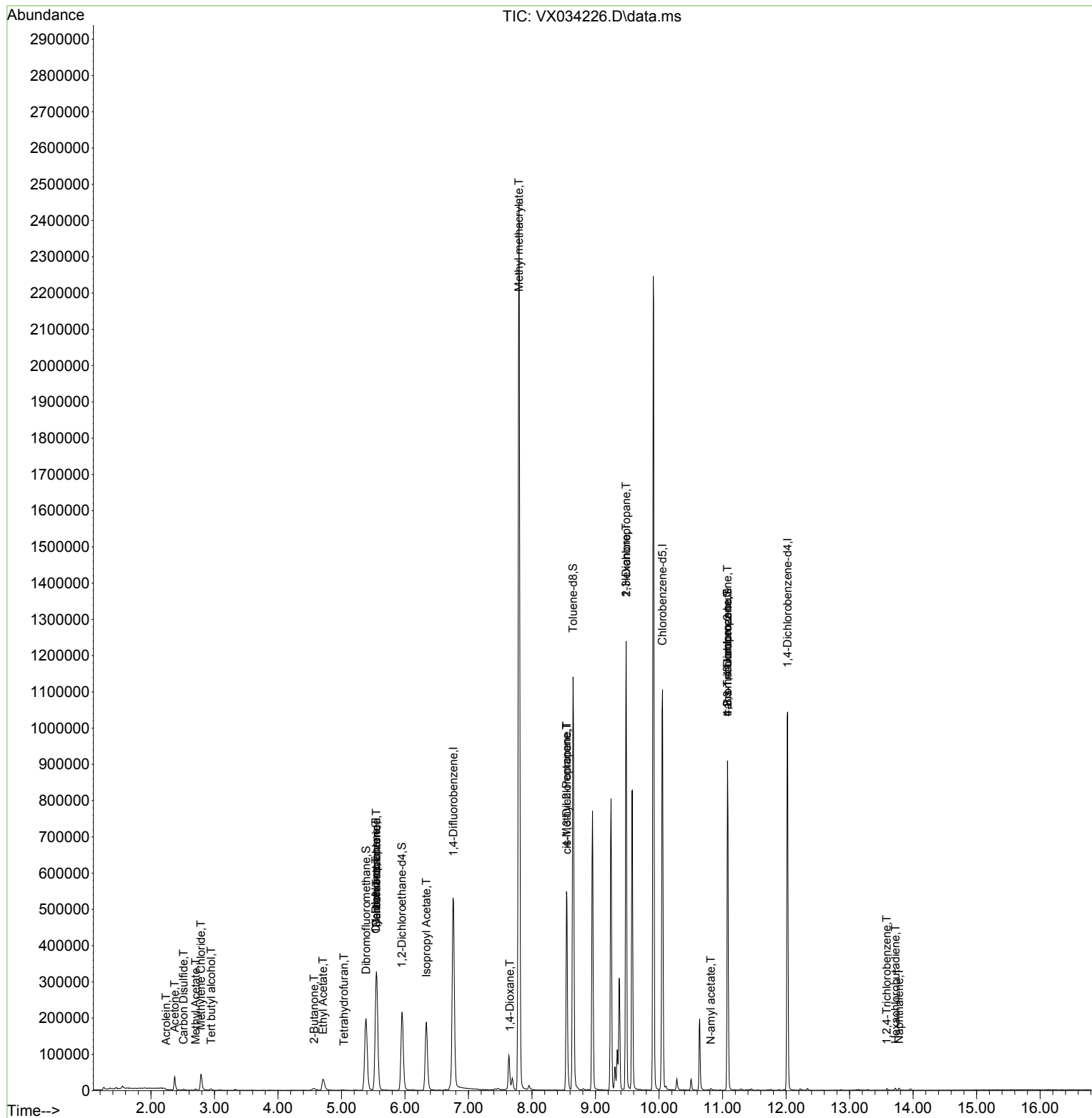
Internal Standards						
1) Pentafluorobenzene	5.550	168	332402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	553867	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	504140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	230334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	197978	44.224	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.440%		
35) Dibromofluoromethane	5.385	113	172073	47.716	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.440%		
50) Toluene-d8	8.647	98	670001	51.747	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.500%		
62) 4-Bromofluorobenzene	11.079	95	237291	47.913	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.820%		
Target Compounds						Qvalue
5) Bromomethane	1.611	94	303	Below Cal	#	46
11) Tert butyl alcohol	2.946	59	2559	2.556	ug/l #	92
13) Acrolein	2.239	56	431	0.943	ug/l #	14
16) Acetone	2.373	43	36542	15.824	ug/l	93
17) Carbon Disulfide	2.514	76	2089	0.202	ug/l	97
18) Methyl Acetate	2.703	43	3994	0.559	ug/l	99
20) Methylene Chloride	2.788	84	22235	5.344	ug/l	96
25) 2-Butanone	4.568	43	7302	2.185	ug/l	98
29) Tetrahydrofuran	5.038	42	1472	0.722	ug/l #	77
31) Cyclohexane	5.544	56	6965	1.042	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	23742	4.452	ug/l #	48
37) Ethyl Acetate	4.708	43	58440	9.805	ug/l	100
38) Carbon Tetrachloride	5.550	117	31607	5.759	ug/l #	15
43) Isopropyl Acetate	6.336	43	268541	25.531	ug/l	99
48) Methyl methacrylate	7.793	41	198949	39.852	ug/l #	45
49) 1,4-Dioxane	7.653	88	53	0.532	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	193743	33.480	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	89282	12.750	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	10009	1.488	ug/l #	43
59) 2-Hexanone	9.482	43	142895	32.401	ug/l #	50
74) N-amyl acetate	10.817	43	1981	0.225	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	117556	20.283	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	117556	52.105	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.585	180	1114	0.224	ug/l	97
94) Hexachlorobutadiene	13.725	225	748	0.363	ug/l	91
95) Naphthalene	13.780	128	3937	0.235	ug/l #	96

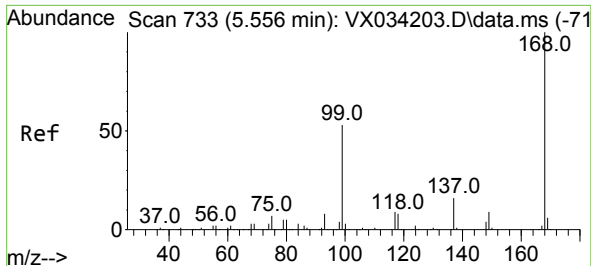
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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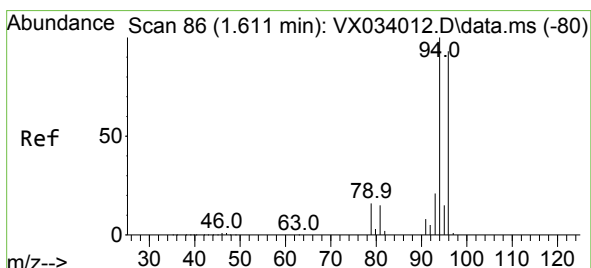
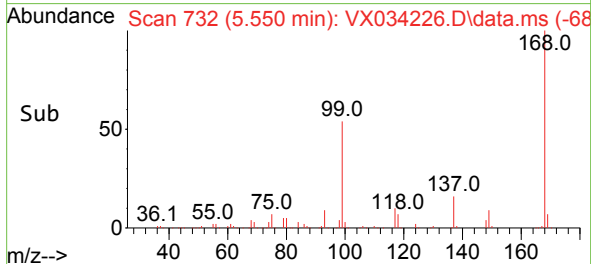
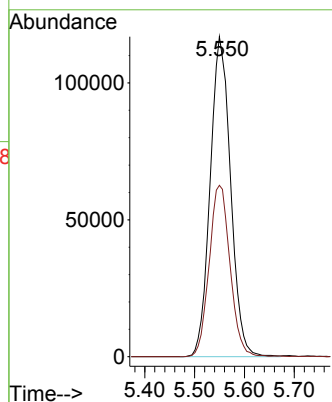
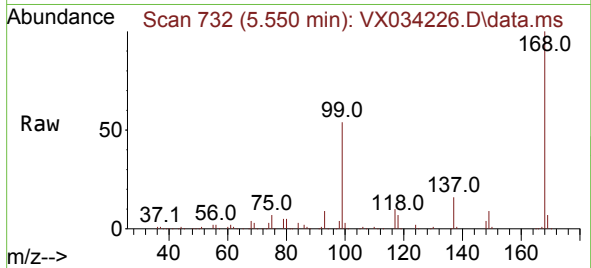




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

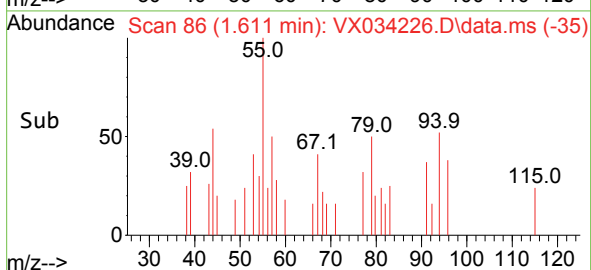
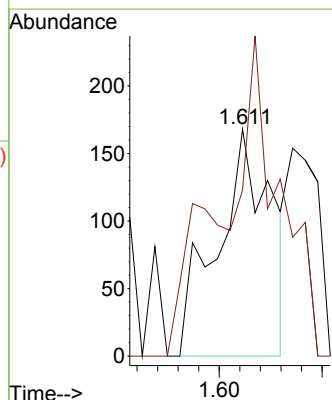
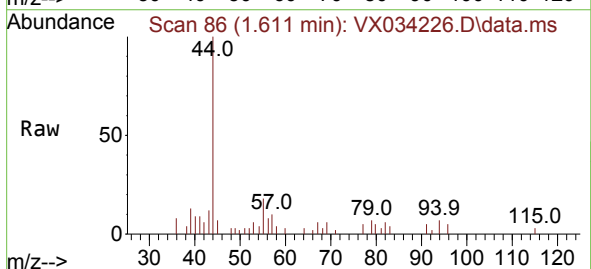
Instrument :
MSVOA_X
ClientSampleId :
PB150999TB

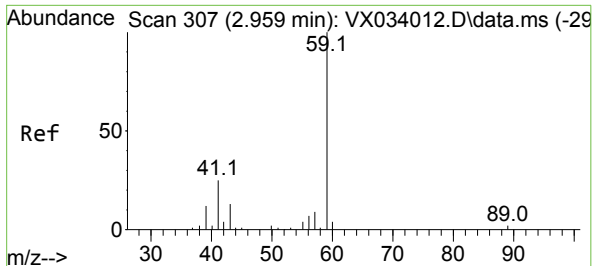
Tgt Ion:168 Resp: 332402
Ion Ratio Lower Upper
168 100
99 53.6 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

Tgt Ion: 94 Resp: 303
Ion Ratio Lower Upper
94 100
96 41.1 74.3 111.5#





#11

Tert butyl alcohol

Concen: 2.556 ug/l

RT: 2.946 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX034226.D

Acq: 22 Feb 2023 14:13

Instrument :

MSVOA_X

ClientSampleId :

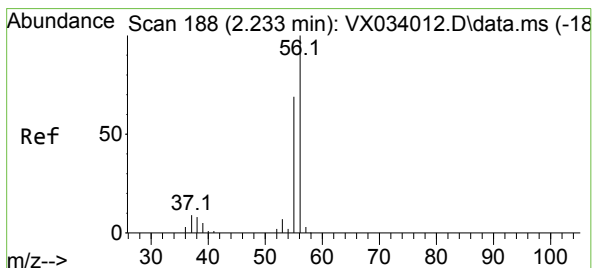
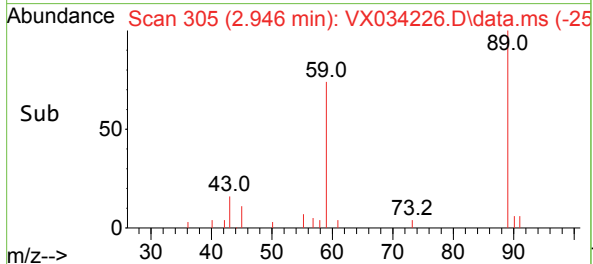
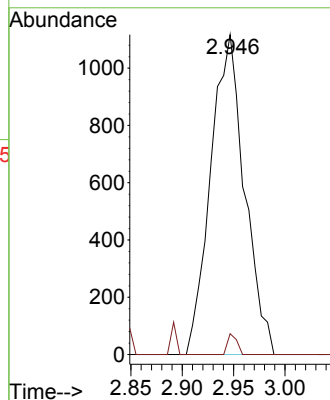
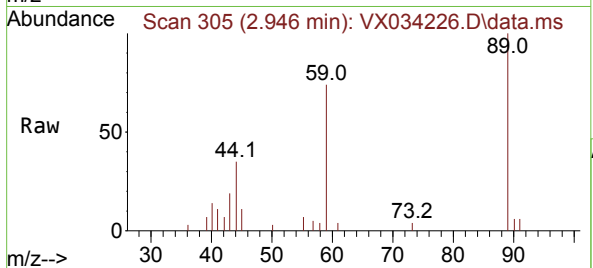
PB150999TB

Tgt Ion: 59 Resp: 2559

Ion Ratio Lower Upper

59 100

57 1.8 3.7 5.5#



#13

Acrolein

Concen: 0.943 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX034226.D

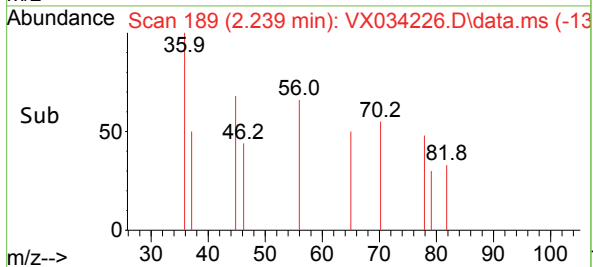
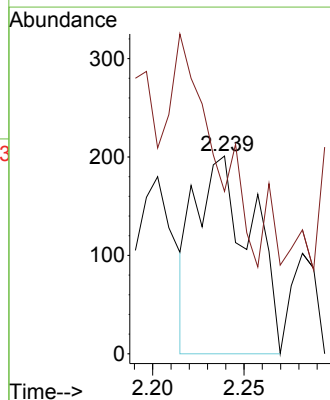
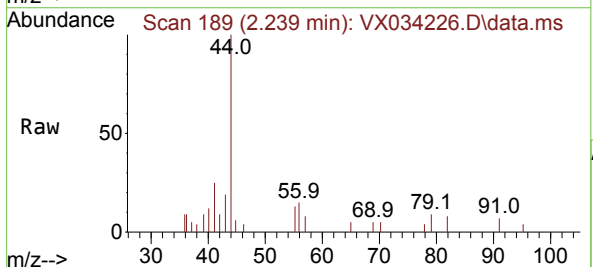
Acq: 22 Feb 2023 14:13

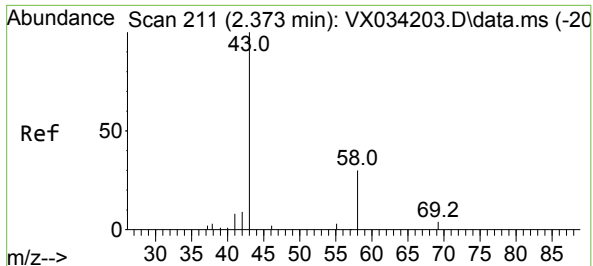
Tgt Ion: 56 Resp: 431

Ion Ratio Lower Upper

56 100

55 0.0 56.3 84.5#

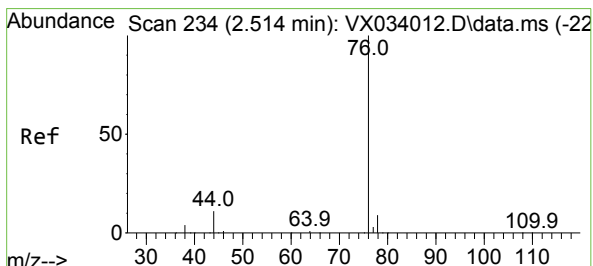
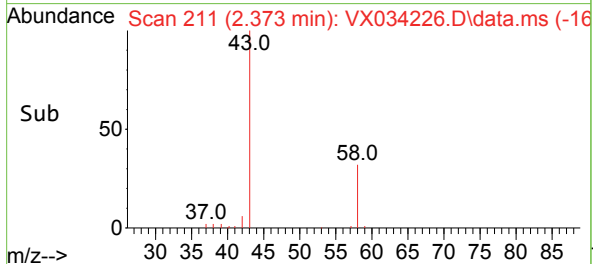
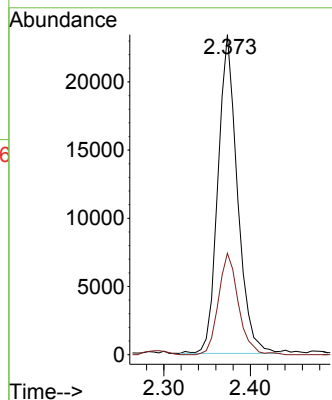
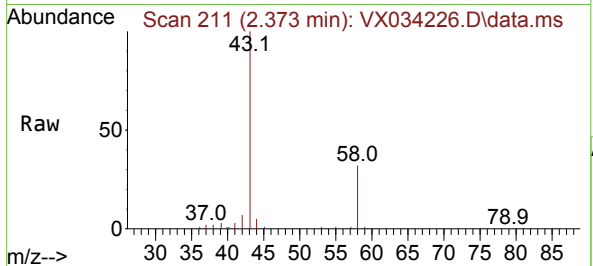




#16
Acetone
Concen: 15.824 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

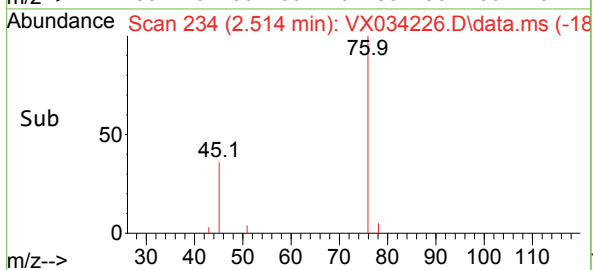
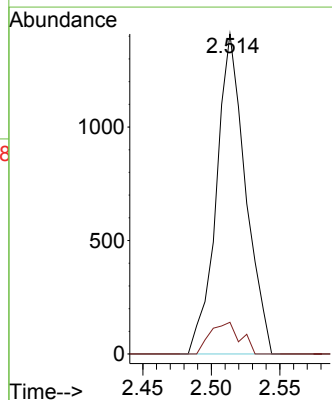
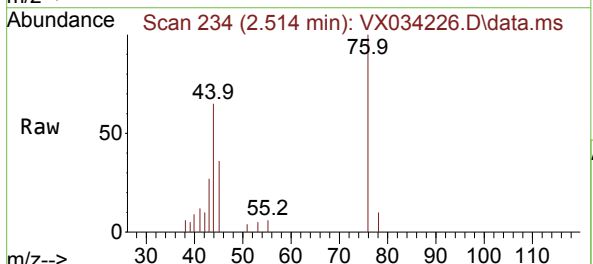
Instrument :
MSVOA_X
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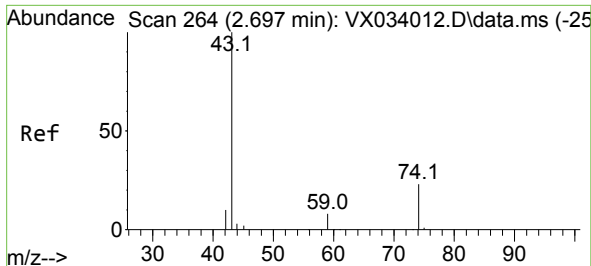
Tgt Ion: 43 Resp: 36542
Ion Ratio Lower Upper
43 100
58 31.8 22.6 33.8



#17
Carbon Disulfide
Concen: 0.202 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

Tgt Ion: 76 Resp: 2089
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.6

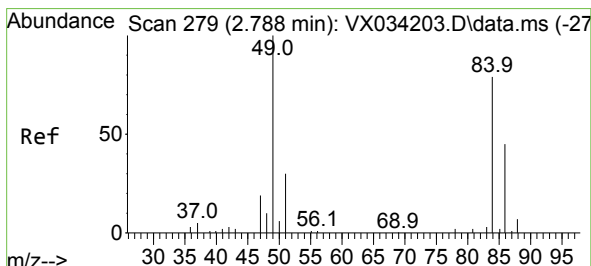
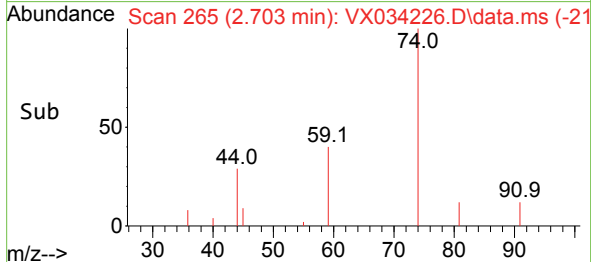
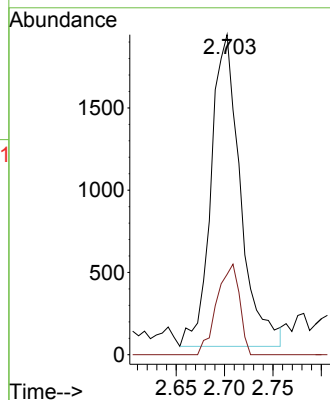
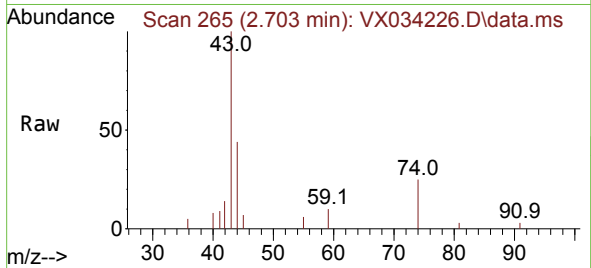




#18
Methyl Acetate
Concen: 0.559 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

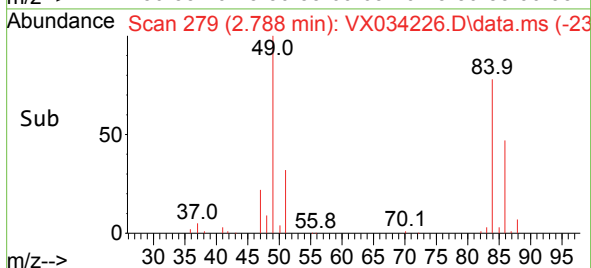
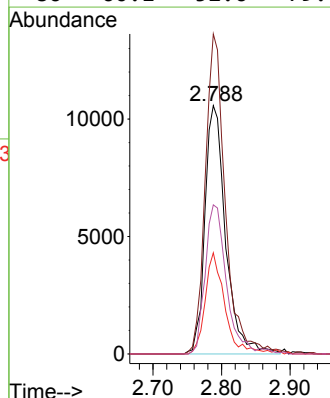
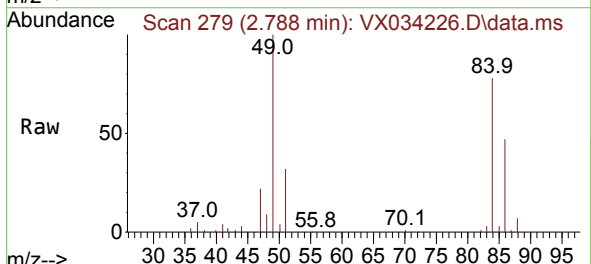
Instrument :
MSVOA_X
ClientSampleId :
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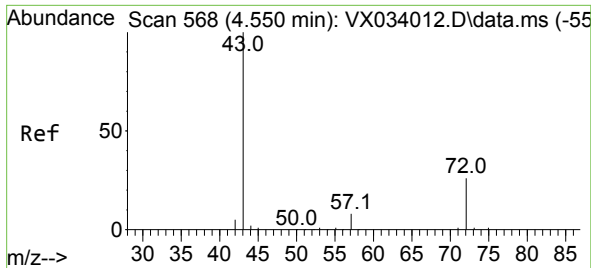
Tgt Ion: 43 Resp: 3994
Ion Ratio Lower Upper
43 100
74 22.4 18.2 27.4



#20
Methylene Chloride
Concen: 5.344 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

Tgt Ion: 84 Resp: 22235
Ion Ratio Lower Upper
84 100
49 128.9 101.1 151.7
51 40.7 31.0 46.6
86 60.1 52.6 79.0

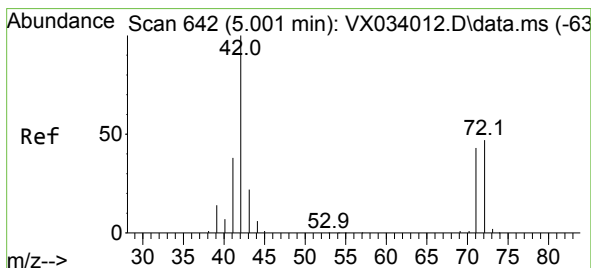
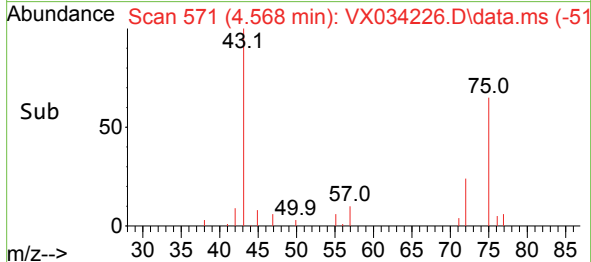
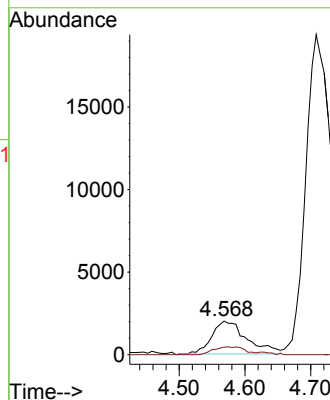
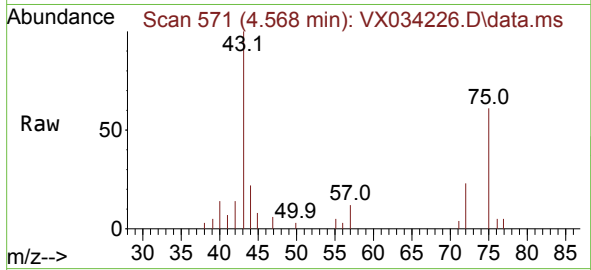




#25
2-Butanone
Concen: 2.185 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

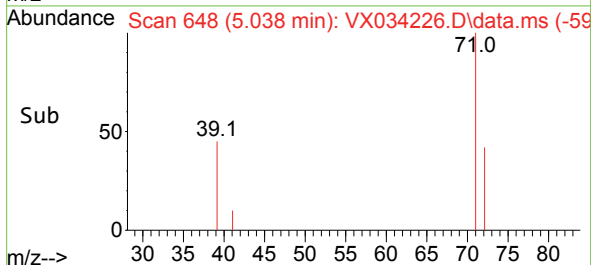
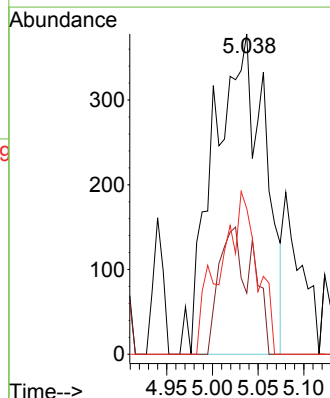
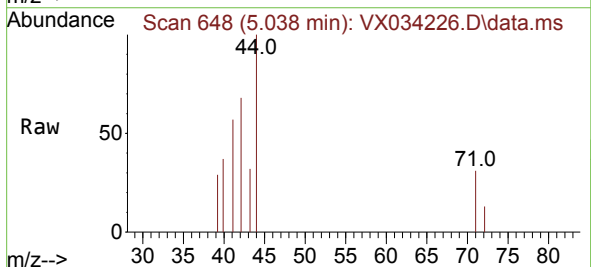
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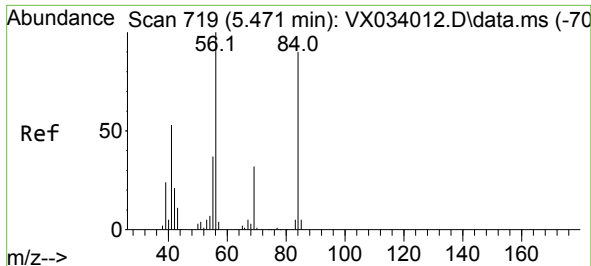
Tgt Ion: 43 Resp: 7302
Ion Ratio Lower Upper
43 100
72 23.1 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.722 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.043 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

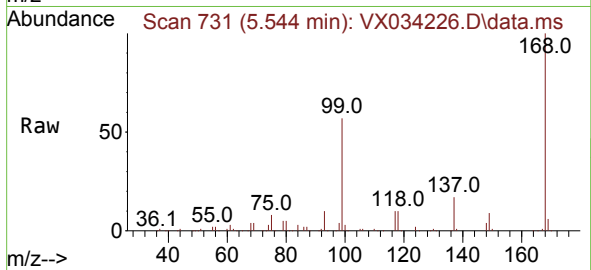
Tgt Ion: 42 Resp: 1472
Ion Ratio Lower Upper
42 100
72 18.5 34.8 52.2#
71 37.0 32.2 48.2



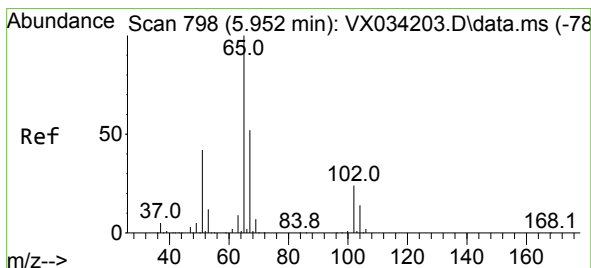
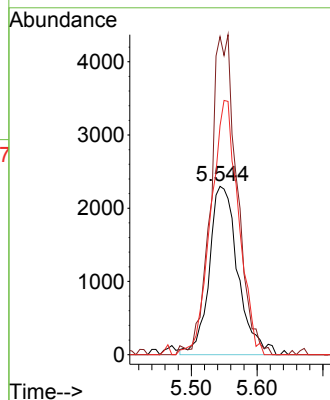
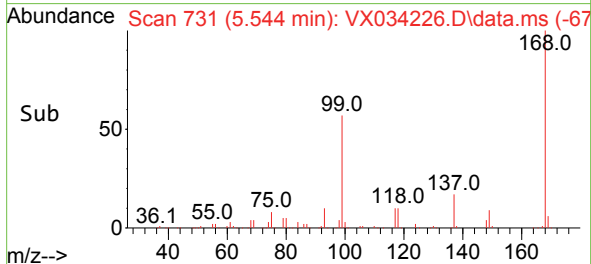


#31
Cyclohexane
Concen: 1.042 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

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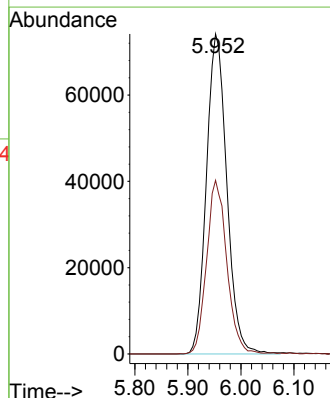
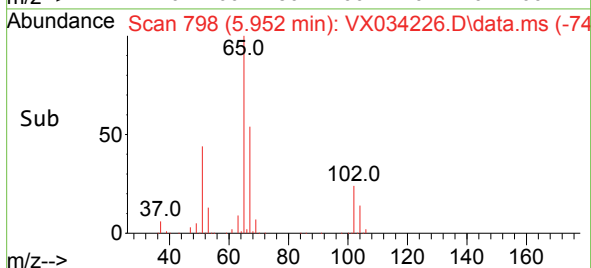
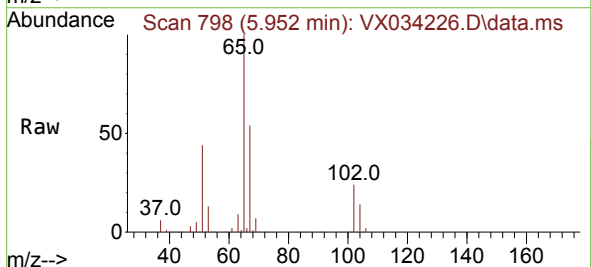


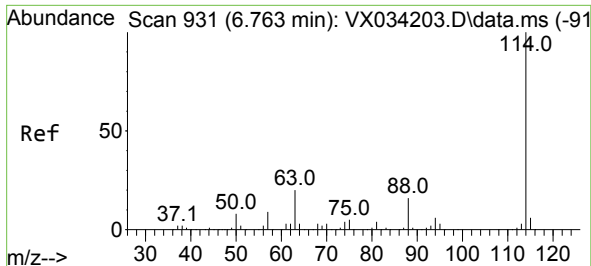
Tgt Ion: 56 Resp: 6965
Ion Ratio Lower Upper
56 100
69 188.9 24.6 37.0#
84 136.0 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 44.224 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

Tgt Ion: 65 Resp: 197978
Ion Ratio Lower Upper
65 100
67 53.7 0.0 104.8

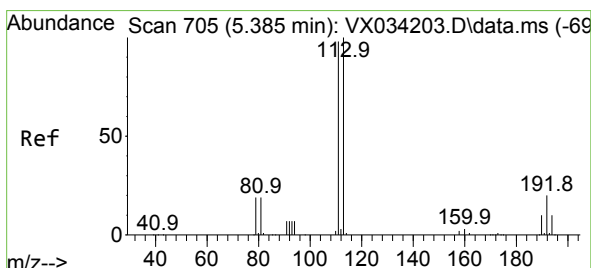
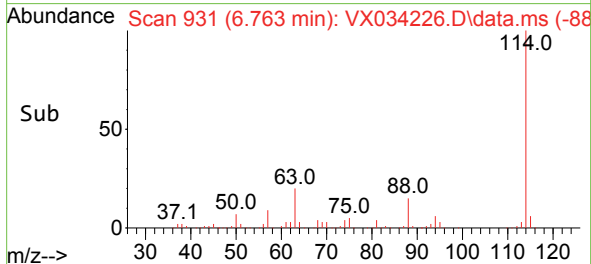
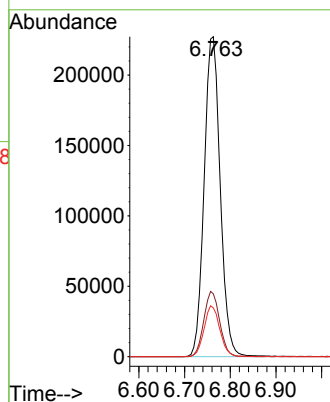
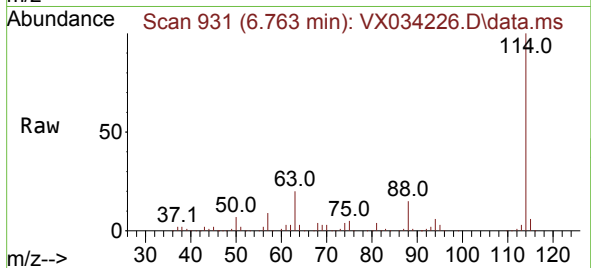




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

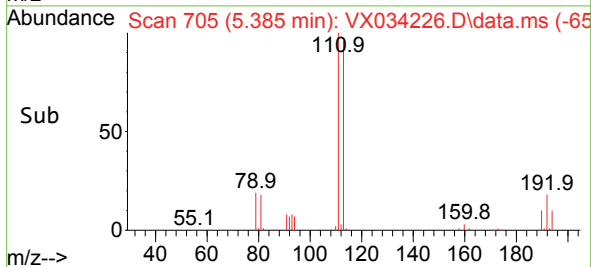
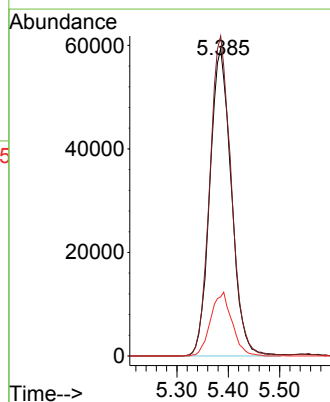
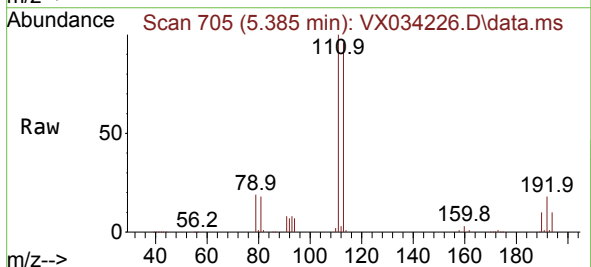
Instrument :
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PB150999TB

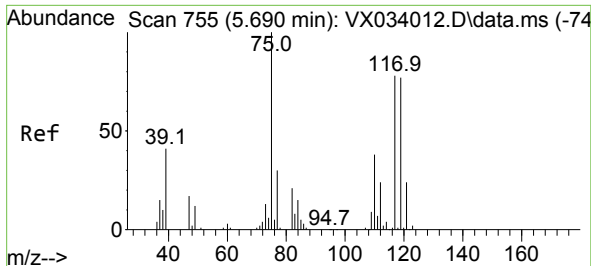
Tgt Ion:114 Resp: 553867
Ion Ratio Lower Upper
114 100
63 19.6 0.0 37.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.716 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

Tgt Ion:113 Resp: 172073
Ion Ratio Lower Upper
113 100
111 104.1 83.0 124.6
192 20.7 19.0 28.4

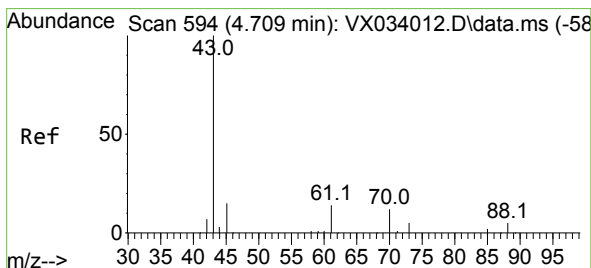
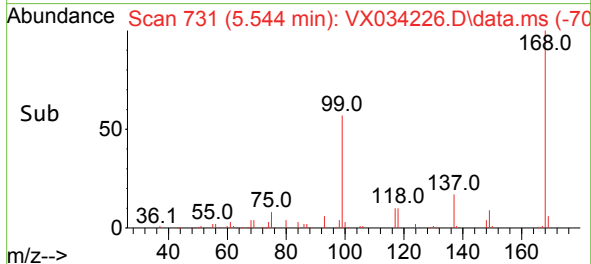
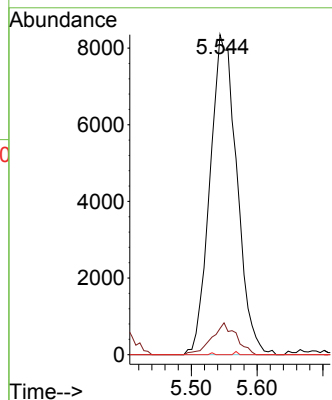
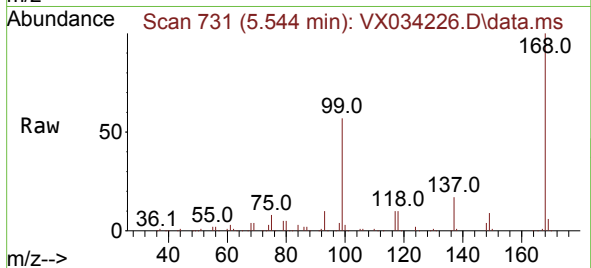




#36
1,1-Dichloropropene
Concen: 4.452 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

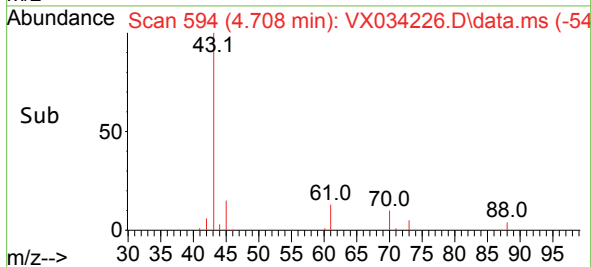
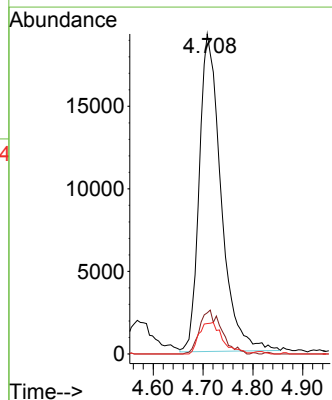
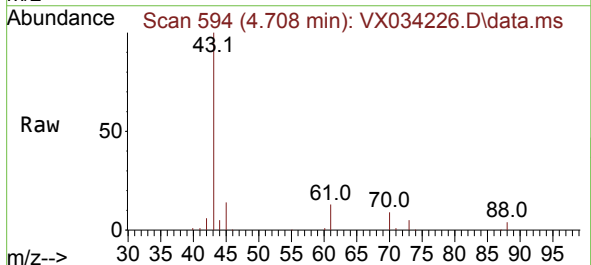
Instrument :
MSVOA_X
ClientSampleId :
PB150999TB

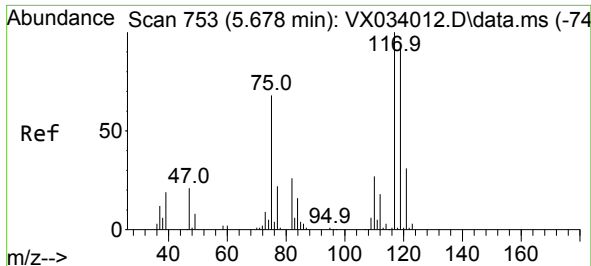
Tgt Ion: 75 Resp: 23742
Ion Ratio Lower Upper
75 100
110 9.1 18.8 56.4#
77 0.1 25.1 37.7#



#37
Ethyl Acetate
Concen: 9.805 ug/l
RT: 4.708 min Scan# 594
Delta R.T. 0.000 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

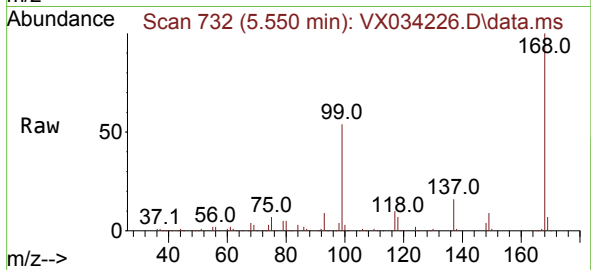
Tgt Ion: 43 Resp: 58440
Ion Ratio Lower Upper
43 100
61 13.9 11.1 16.7
70 10.6 8.5 12.7



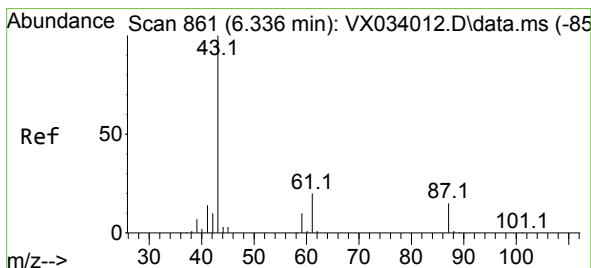
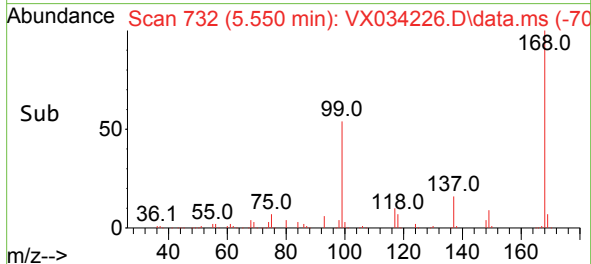
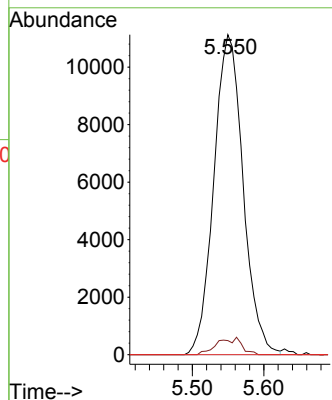


#38
Carbon Tetrachloride
Concen: 5.759 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

Instrument :
MSVOA_X
ClientSampleId :
PB150999TB

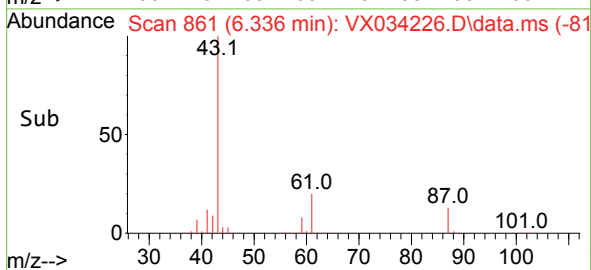
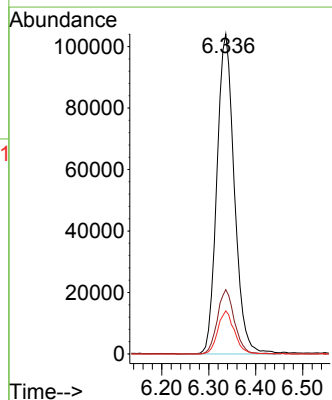
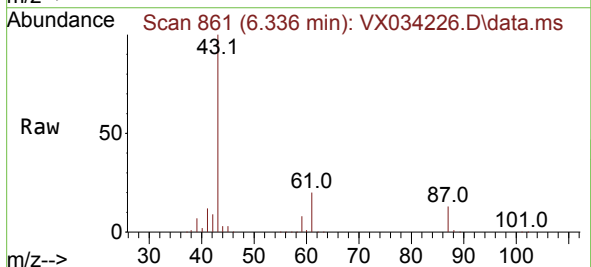


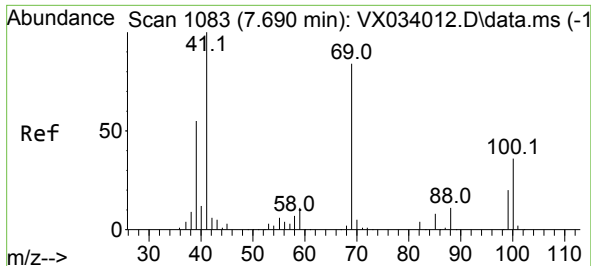
Tgt Ion:117 Resp: 31607
Ion Ratio Lower Upper
117 100
119 4.4 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 25.531 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

Tgt Ion: 43 Resp: 268541
Ion Ratio Lower Upper
43 100
61 19.7 15.7 23.5
87 12.8 10.6 15.8

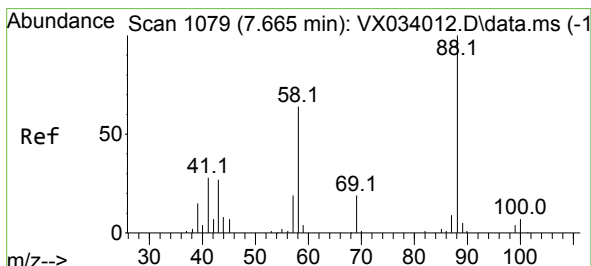
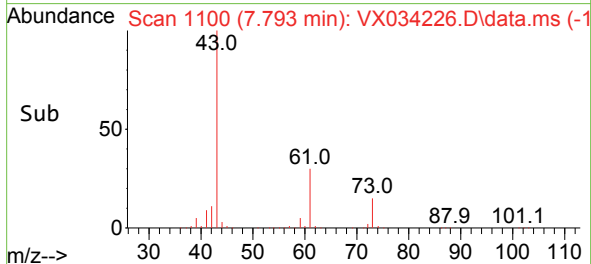
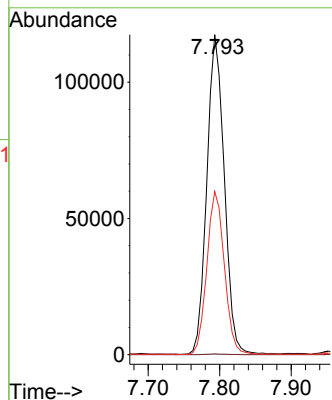
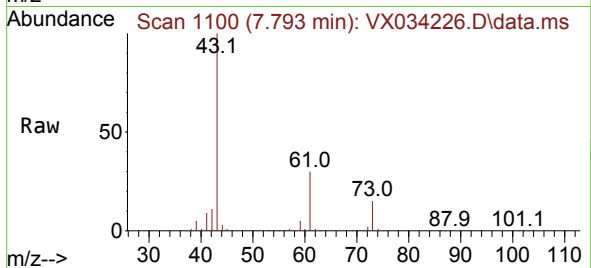




#48
Methyl methacrylate
Concen: 39.852 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

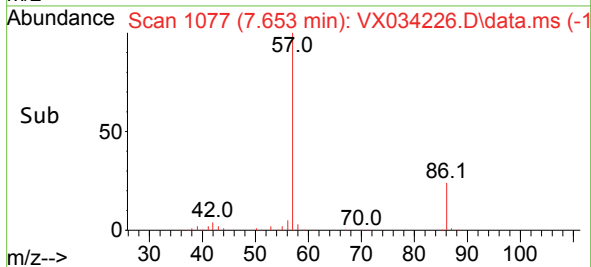
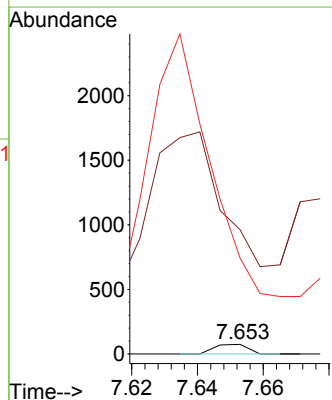
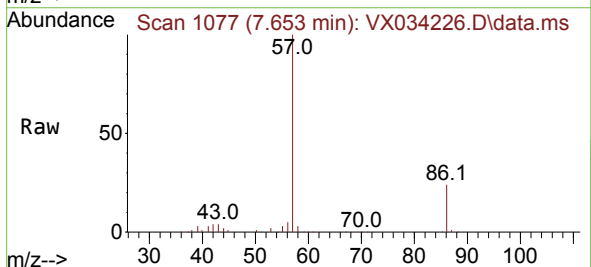
Instrument :
MSVOA_X
ClientSampleId :
PB150999TB

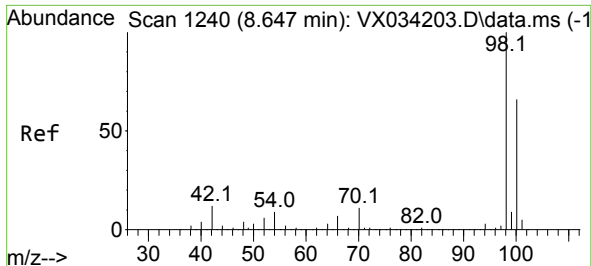
Tgt Ion: 41 Resp: 198949
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 51.4 43.2 64.8



#49
1,4-Dioxane
Concen: 0.532 ug/l
RT: 7.653 min Scan# 1077
Delta R.T. 0.000 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 7749.1 56.5 84.7#

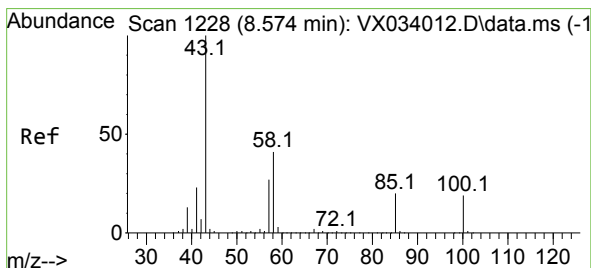
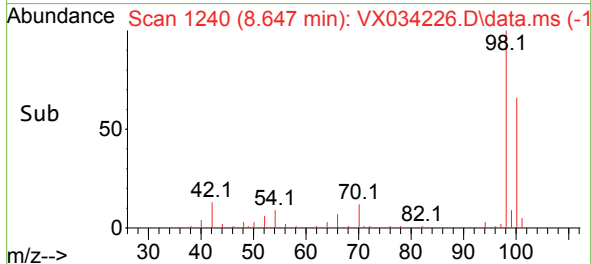
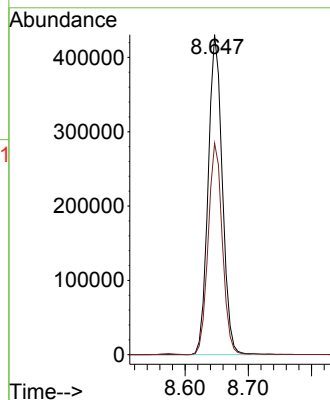
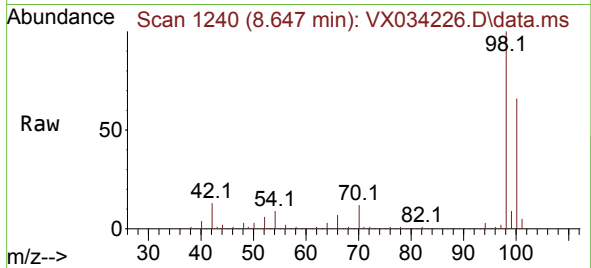




#50
Toluene-d8
Concen: 51.747 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

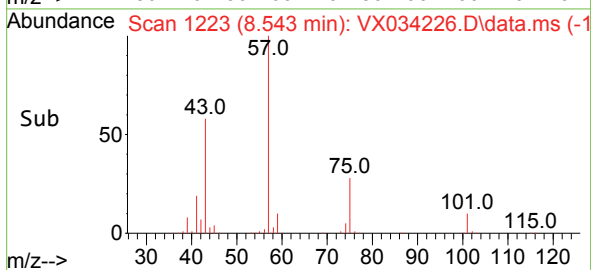
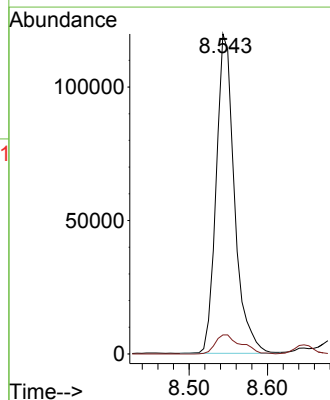
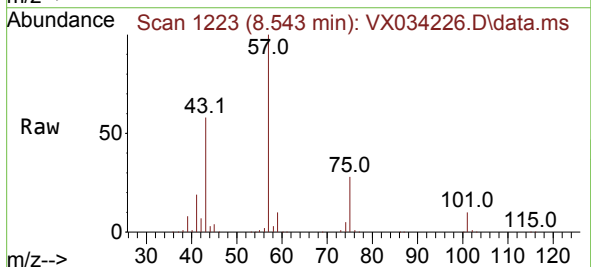
Instrument :
MSVOA_X
ClientSampleId :
PB150999TB

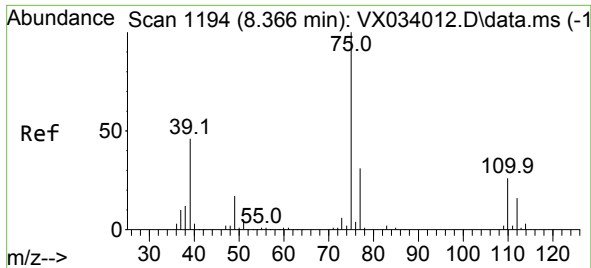
Tgt Ion: 98 Resp: 670001
Ion Ratio Lower Upper
98 100
100 66.3 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 33.480 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.024 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

Tgt Ion: 43 Resp: 193743
Ion Ratio Lower Upper
43 100
58 8.5 31.2 46.8#

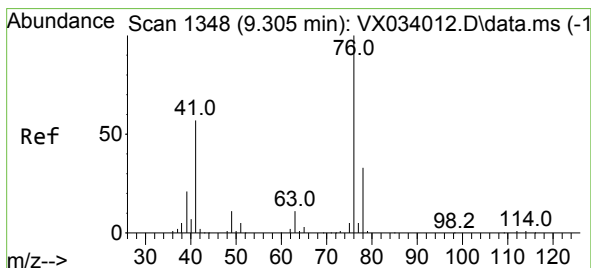
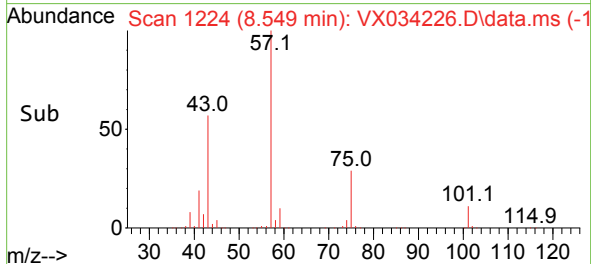
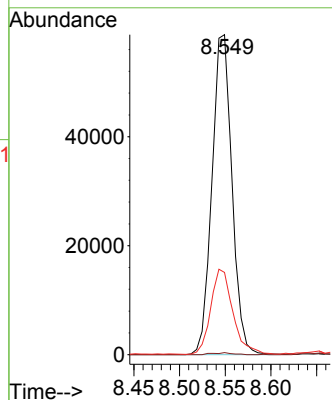
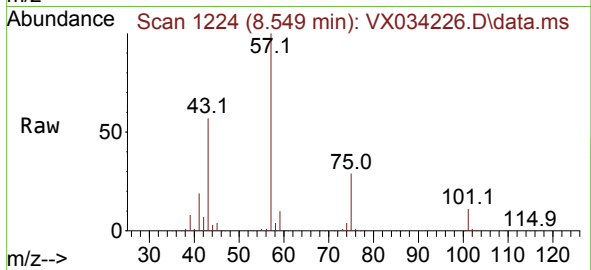




#54
 cis-1,3-Dichloropropene
 Concen: 12.750 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX034226.D
 Acq: 22 Feb 2023 14:13

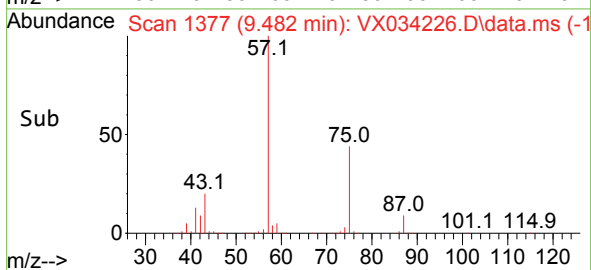
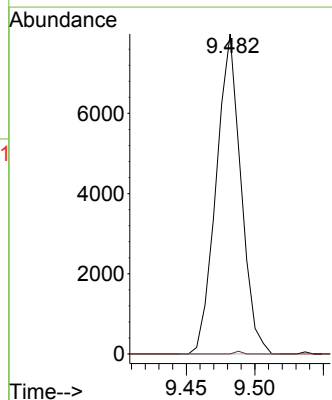
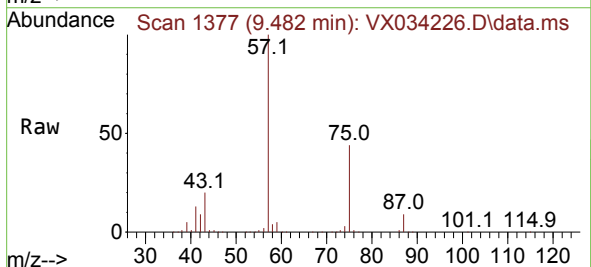
Instrument :
 MSVOA_X
 ClientSampleId :
 PB150999TB

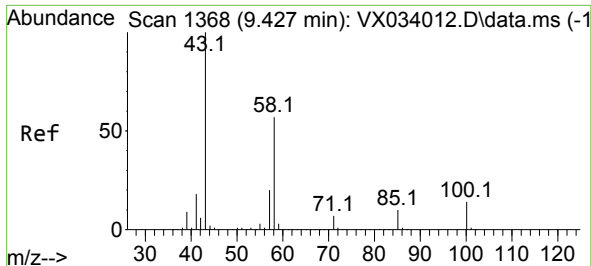
Tgt Ion: 75 Resp: 89282
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.6#
 39 25.6 38.6 58.0#



#57
 1,3-Dichloropropane
 Concen: 1.488 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034226.D
 Acq: 22 Feb 2023 14:13

Tgt Ion: 76 Resp: 10009
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.6 38.4#

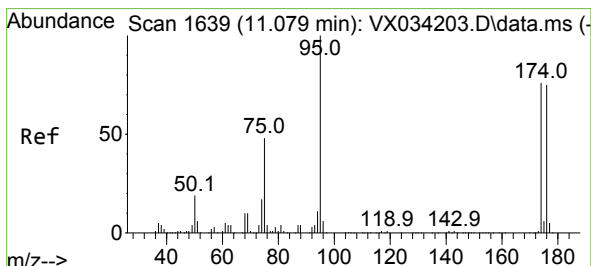
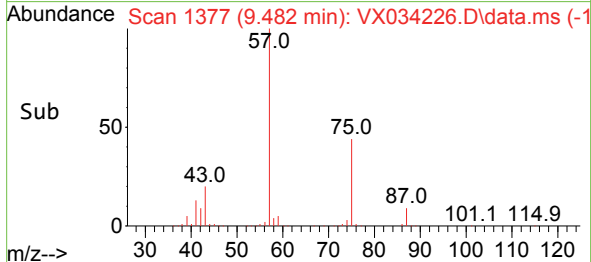
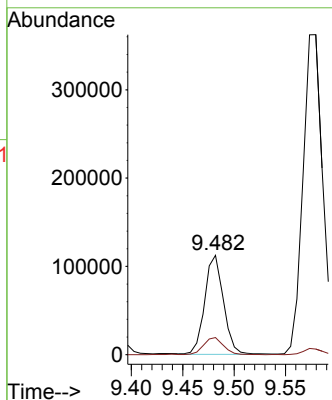
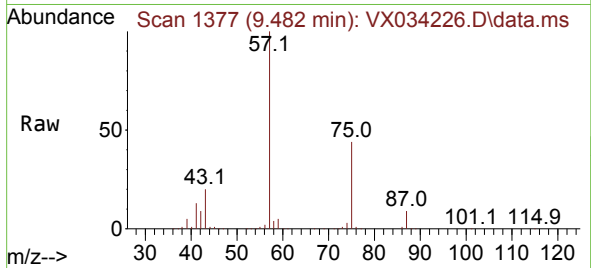




#59
2-Hexanone
Concen: 32.401 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

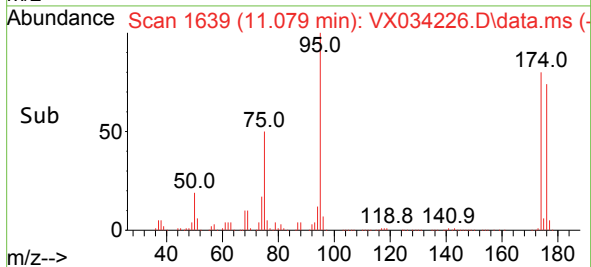
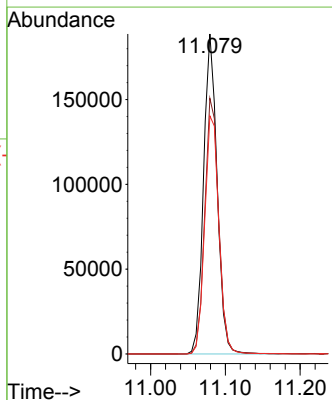
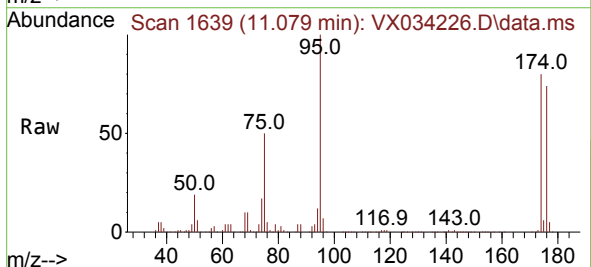
Instrument :
MSVOA_X
ClientSampleId :
PB150999TB

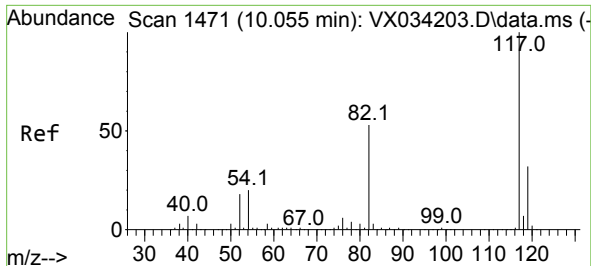
Tgt Ion: 43 Resp: 142895
Ion Ratio Lower Upper
43 100
58 18.4 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 47.913 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

Tgt Ion: 95 Resp: 237291
Ion Ratio Lower Upper
95 100
174 82.2 0.0 184.4
176 78.4 0.0 178.8

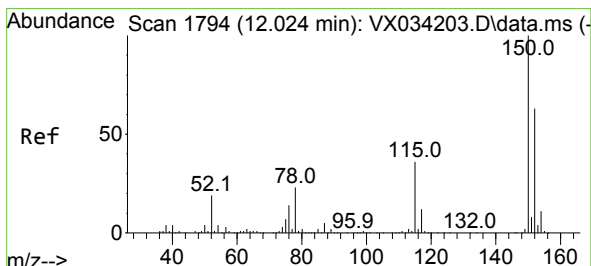
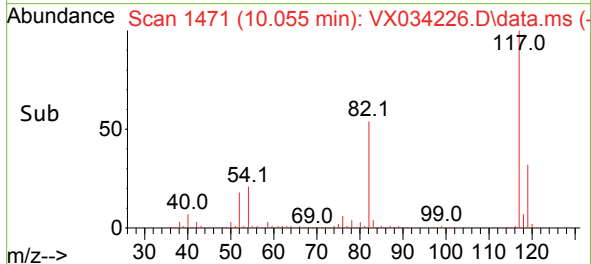
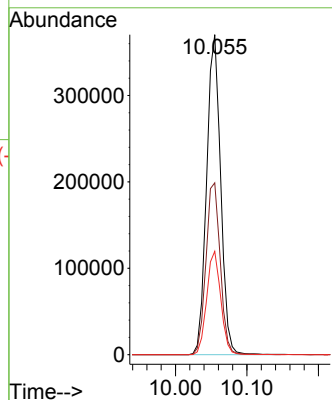
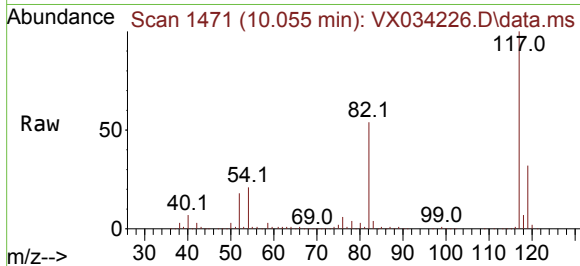




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

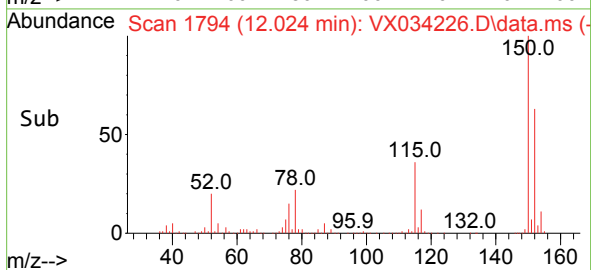
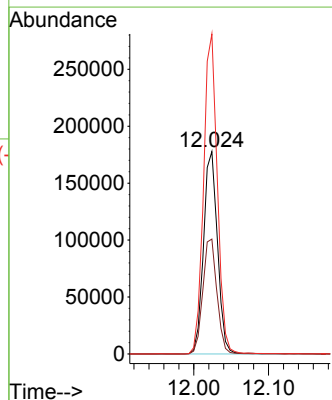
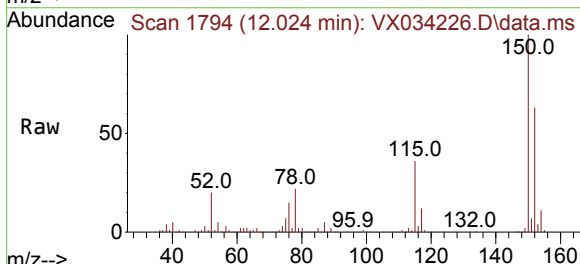
Instrument :
MSVOA_X
ClientSampleId :
PB150999TB

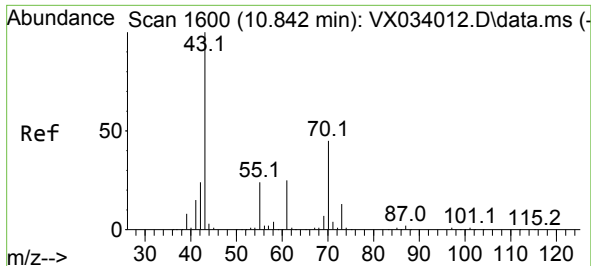
Tgt Ion:117 Resp: 504140
Ion Ratio Lower Upper
117 100
82 53.7 40.6 60.8
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

Tgt Ion:152 Resp: 230334
Ion Ratio Lower Upper
152 100
115 57.7 38.7 116.1
150 155.6 0.0 348.2

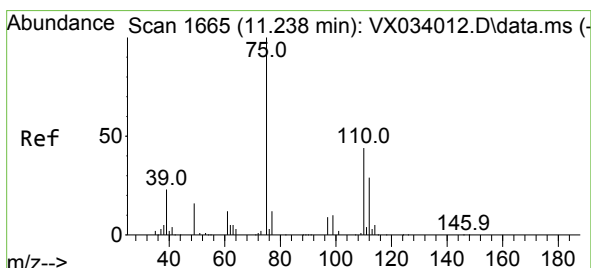
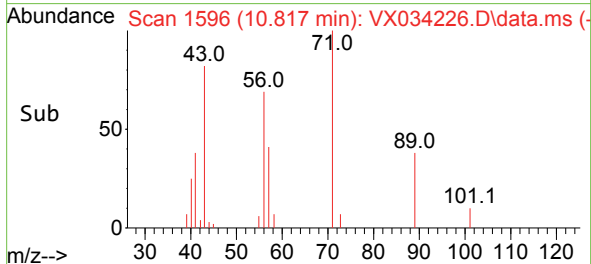
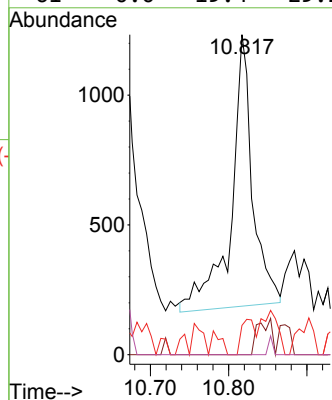
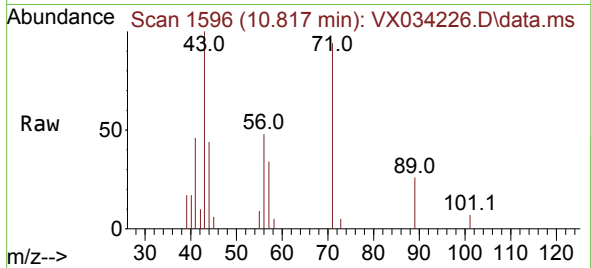




#74
N-amy1 acetate
Concen: 0.225 ug/l
RT: 10.817 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

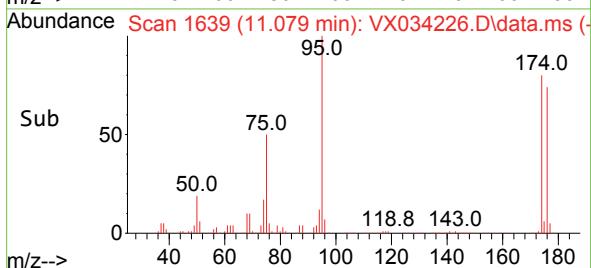
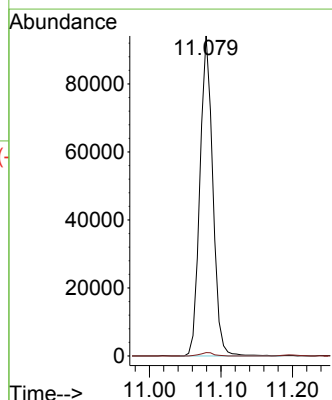
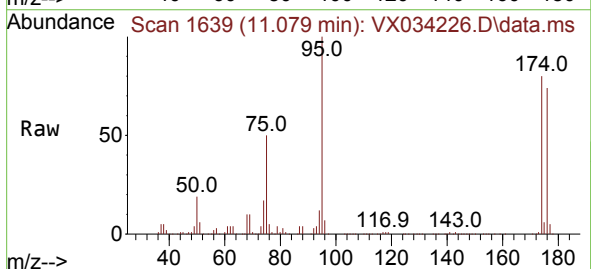
Instrument :
MSVOA_X
ClientSampleId :
PB150999TB

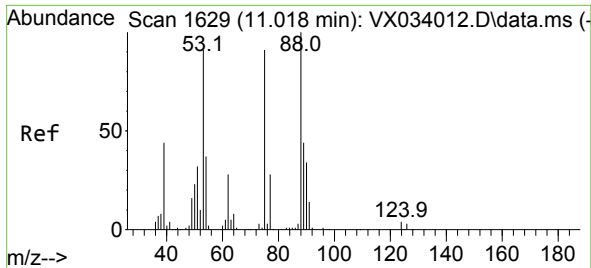
Tgt Ion: 43 Resp: 1981
Ion Ratio Lower Upper
43 100
70 0.0 34.8 52.2#
55 8.3 19.4 29.0#
61 0.0 19.4 29.2#



#76
1,2,3-Trichloropropane
Concen: 20.283 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

Tgt Ion: 75 Resp: 117556
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.4#

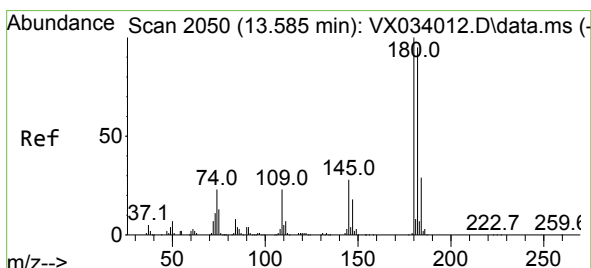
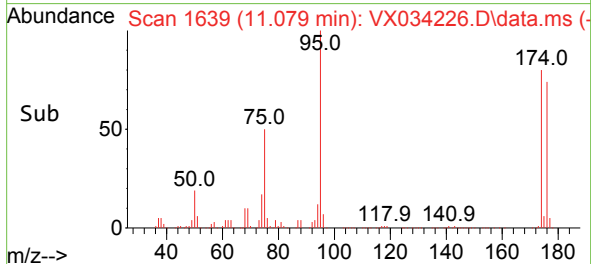
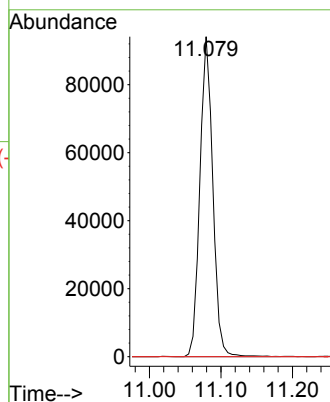
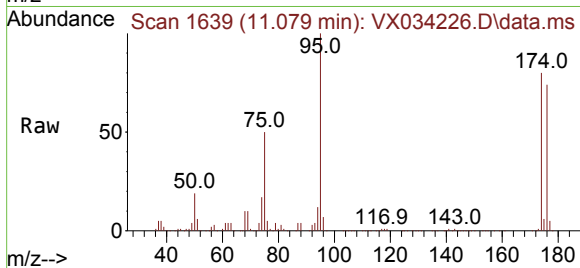




#81
trans-1,4-Dichloro-2-butene
Concen: 52.105 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

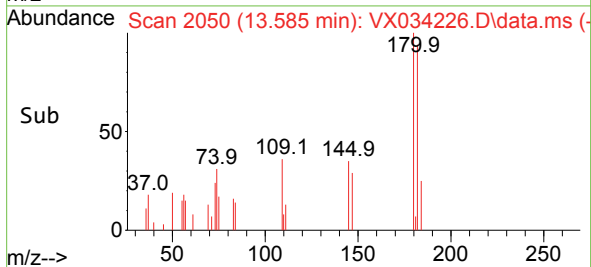
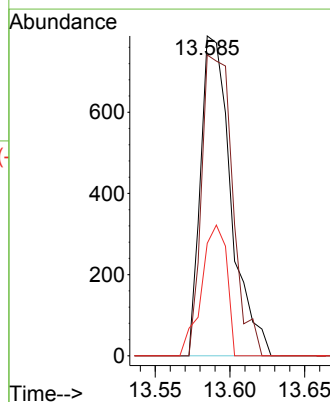
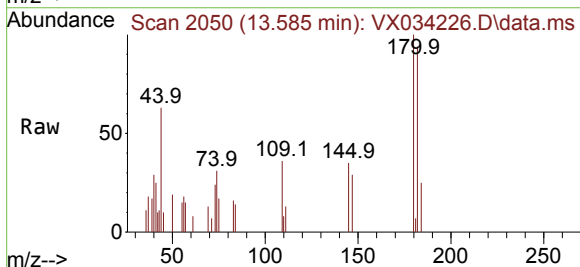
Instrument :
MSVOA_X
ClientSampleId :
PB150999TB

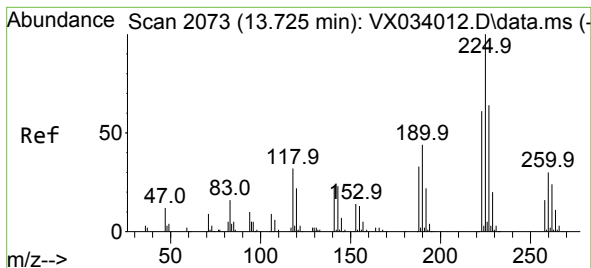
Tgt Ion: 75 Resp: 117556
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.224 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.006 min
Lab File: VX034226.D
Acq: 22 Feb 2023 14:13

Tgt Ion: 180 Resp: 1114
Ion Ratio Lower Upper
180 100
182 95.3 47.9 143.6
145 33.8 14.1 42.2





#94

Hexachlorobutadiene

Concen: 0.363 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX034226.D

Acq: 22 Feb 2023 14:13

Instrument :

MSVOA_X

ClientSampleId :

PB150999TB

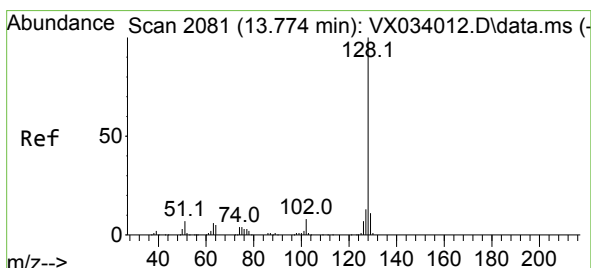
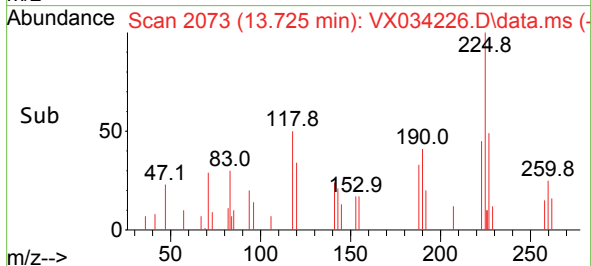
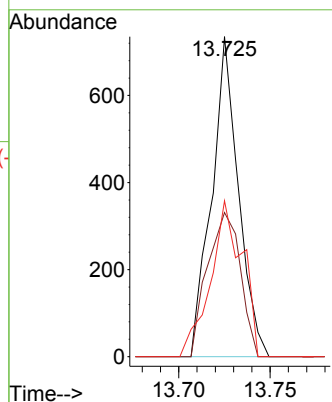
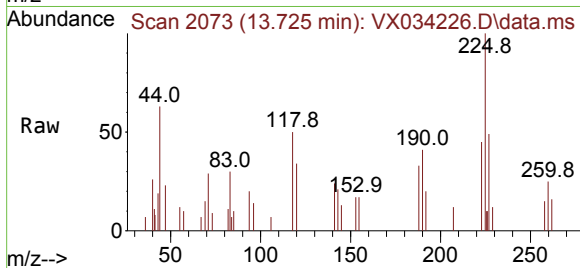
Tgt Ion:225 Resp: 748

Ion Ratio Lower Upper

225 100

223 55.6 31.3 93.9

227 57.9 32.3 96.9



#95

Naphthalene

Concen: 0.235 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX034226.D

Acq: 22 Feb 2023 14:13

Tgt Ion:128 Resp: 3937

Ion Ratio Lower Upper

128 100

127 15.7 10.3 15.5#

129 11.2 8.7 13.1

