

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034594.D
 Acq On : 17 Mar 2023 19:06
 Operator : JC/MD
 Sample : PB151466ZHE#15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#15

Quant Time: Mar 20 00:07:15 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)

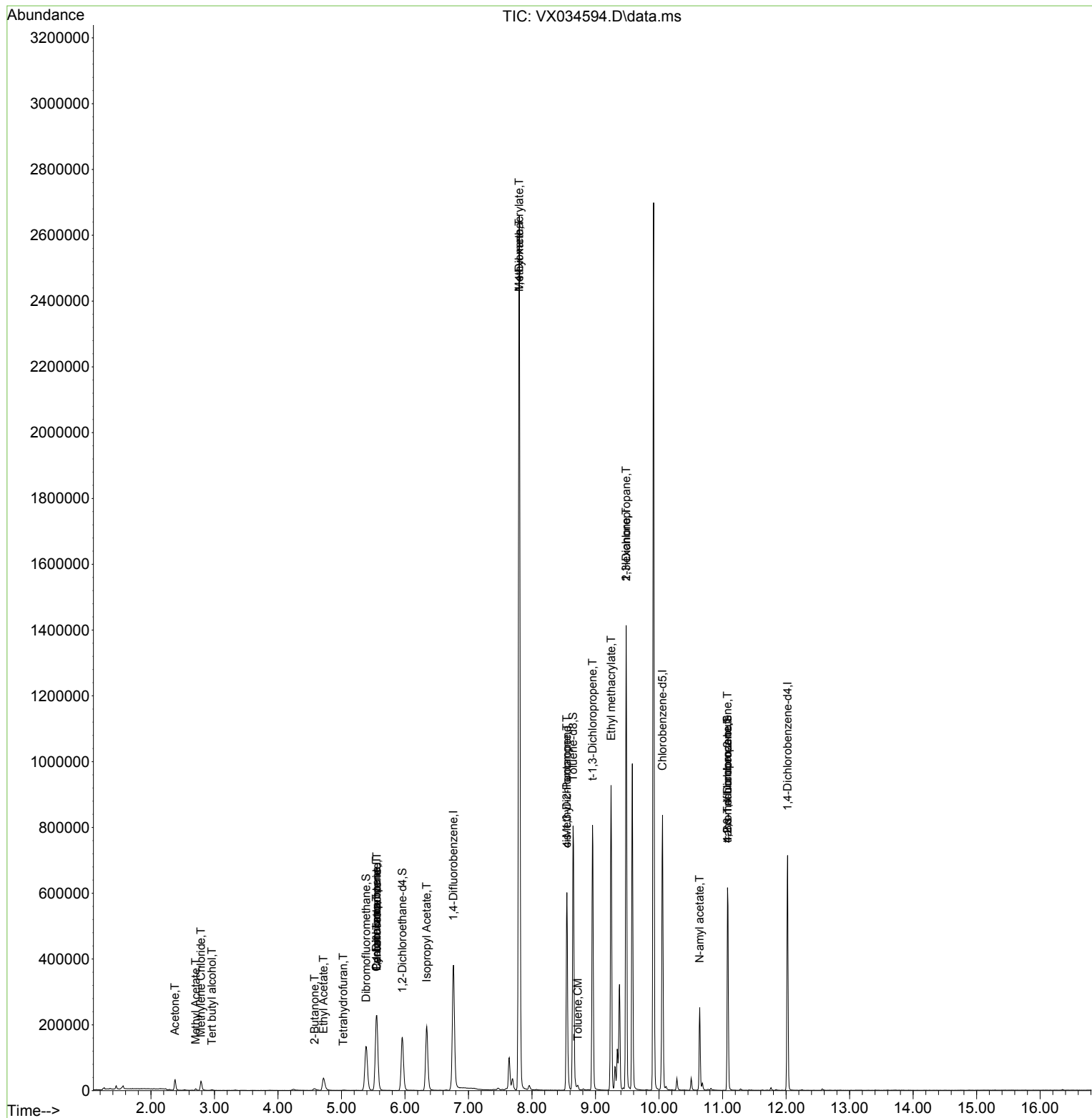
Internal Standards						
1) Pentafluorobenzene	5.556	168	218965	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	372011	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	337205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	138899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	151301	47.497	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.000%		
35) Dibromofluoromethane	5.385	113	117258	47.740	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.480%		
50) Toluene-d8	8.647	98	456624	49.800	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.600%		
62) 4-Bromofluorobenzene	11.079	95	161292	43.550	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.100%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	340	Below Cal	#	42
11) Tert butyl alcohol	2.959	59	1884	2.840	ug/l	96
16) Acetone	2.380	43	34205	22.795	ug/l	96
18) Methyl Acetate	2.703	43	5759	1.175	ug/l	96
20) Methylene Chloride	2.788	84	11762	4.039	ug/l	92
25) 2-Butanone	4.574	43	11079	5.160	ug/l	92
29) Tetrahydrofuran	5.025	42	1599	1.207	ug/l	# 63
31) Cyclohexane	5.550	56	5515	1.234	ug/l	# 26
36) 1,1-Dichloropropene	5.550	75	17766	4.709	ug/l	# 50
37) Ethyl Acetate	4.715	43	67365	16.345	ug/l	98
38) Carbon Tetrachloride	5.556	117	22850	6.088	ug/l	# 15
43) Isopropyl Acetate	6.342	43	268843	38.505	ug/l	99
48) Methyl methacrylate	7.799	41	236366	70.390	ug/l	# 47
49) 1,4-Dioxane	7.799	88	367	5.203	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	210214	51.901	ug/l	# 49
52) Toluene	8.720	92	3963	0.580	ug/l	99
53) t-1,3-Dichloropropene	8.952	75	1674	0.392	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	90166	19.511	ug/l	# 60
56) Ethyl methacrylate	9.244	69	1906	0.428	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	11494	2.385	ug/l	# 42
59) 2-Hexanone	9.482	43	170115	54.334	ug/l	# 52
74) N-amyl acetate	10.640	43	70022	13.618	ug/l	# 53
76) 1,2,3-Trichloropropane	11.079	75	86024	26.973	ug/l	# 35
81) trans-1,4-Dichloro-2-b...	11.079	75	86024	72.970	ug/l	# 8

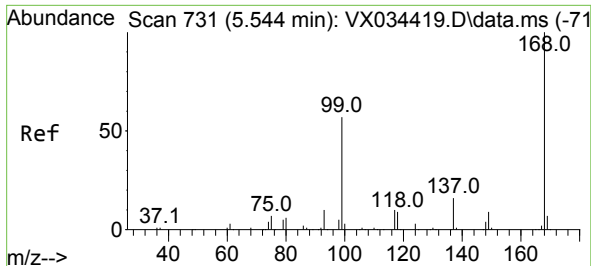
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Mar 20 00:07:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
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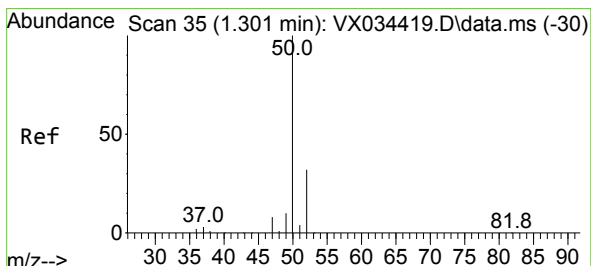
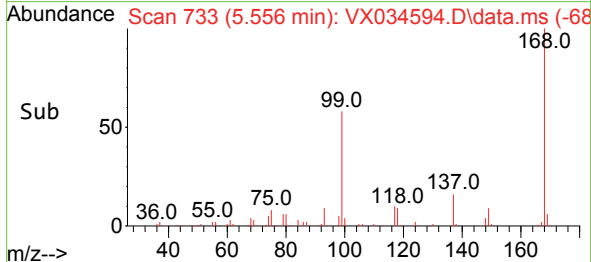
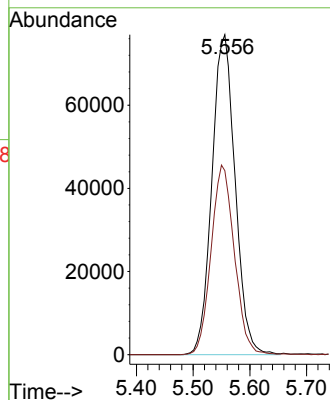
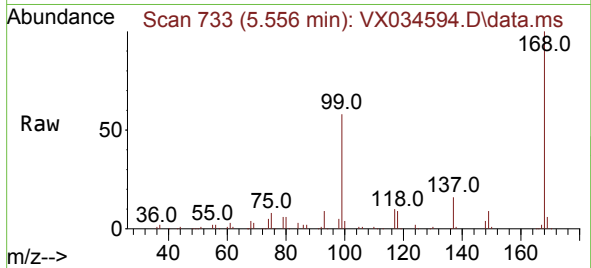




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

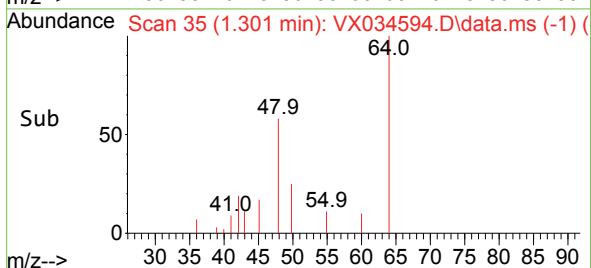
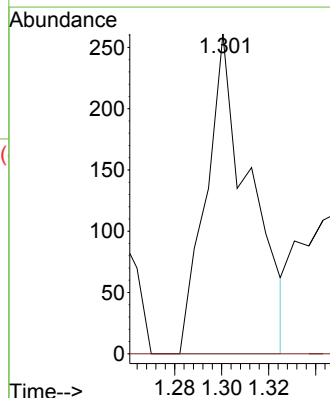
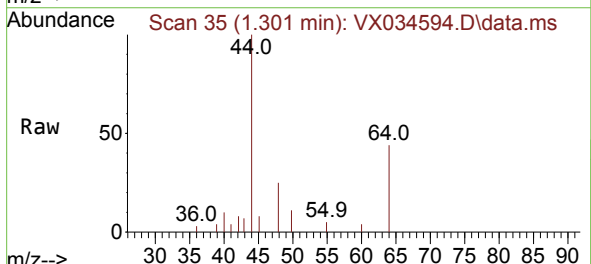
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#15

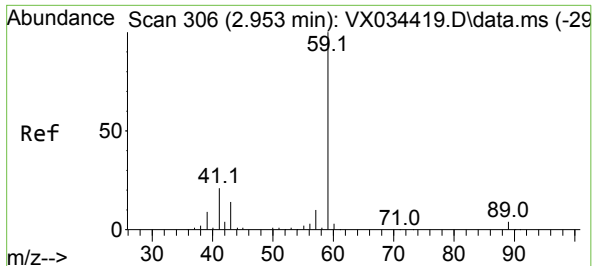
Tgt Ion:168 Resp: 218965
Ion Ratio Lower Upper
168 100
99 57.5 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

Tgt Ion: 50 Resp: 340
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

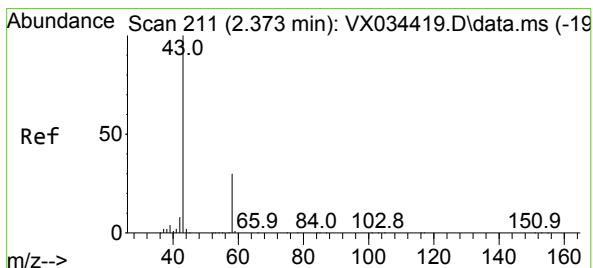
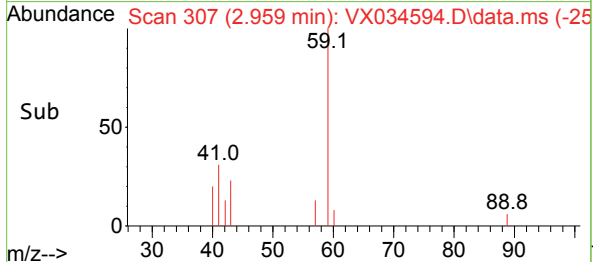
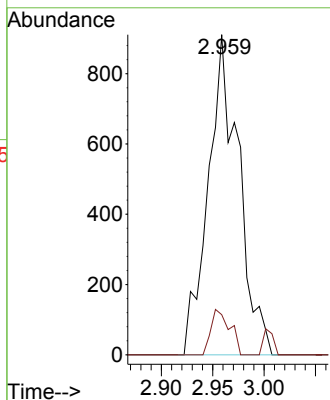
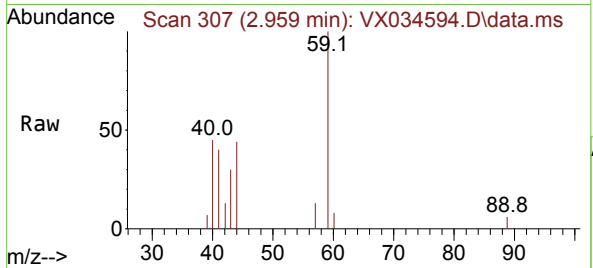




#11
Tert butyl alcohol
Concen: 2.840 ug/l
RT: 2.959 min Scan# 306
Delta R.T. 0.006 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

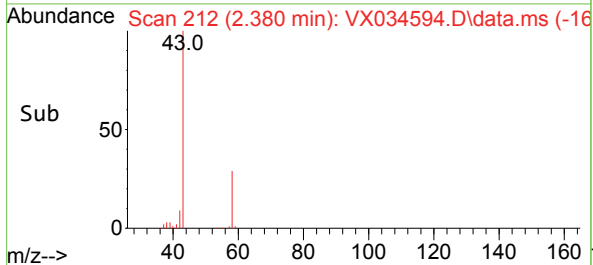
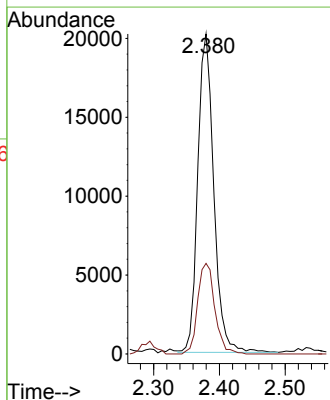
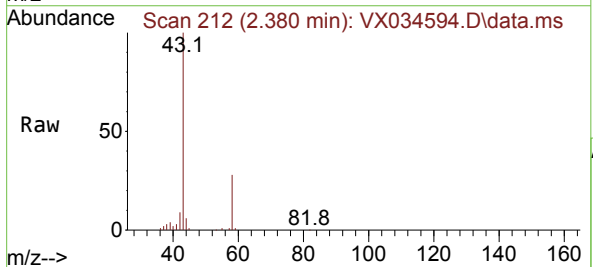
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#15

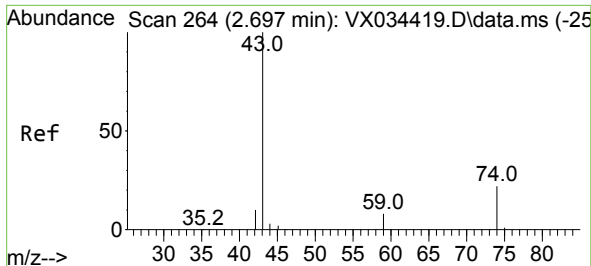
Tgt Ion: 59 Resp: 1884
Ion Ratio Lower Upper
59 100
57 8.8 8.1 12.1



#16
Acetone
Concen: 22.795 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

Tgt Ion: 43 Resp: 34205
Ion Ratio Lower Upper
43 100
58 28.4 24.7 37.1

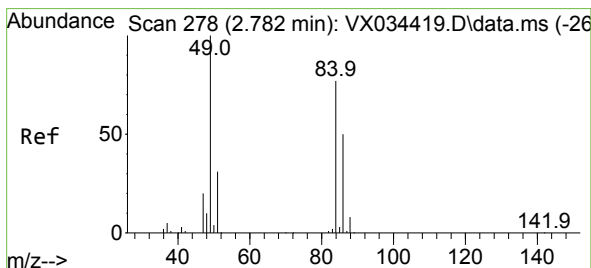
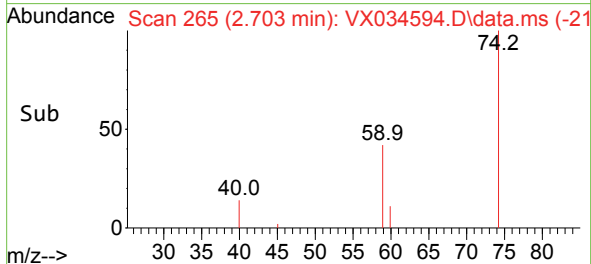
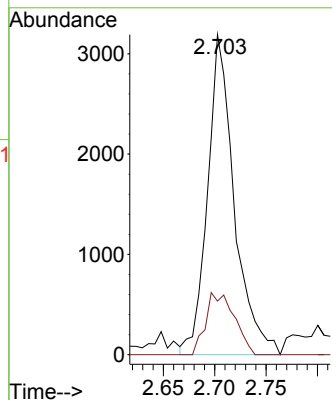
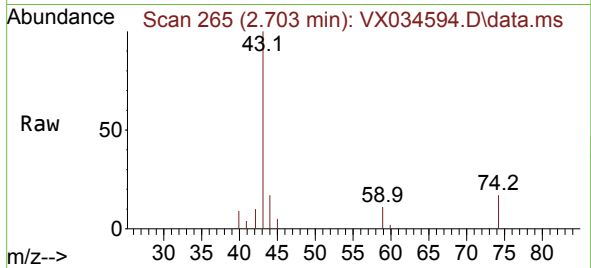




#18
Methyl Acetate
Concen: 1.175 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

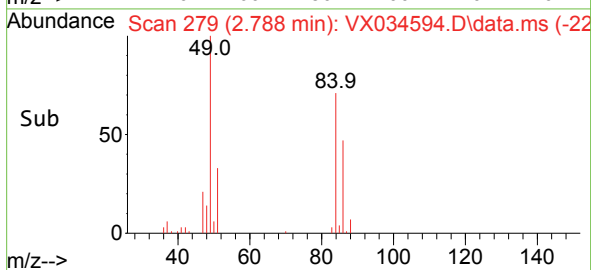
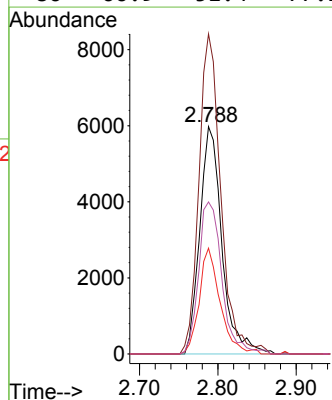
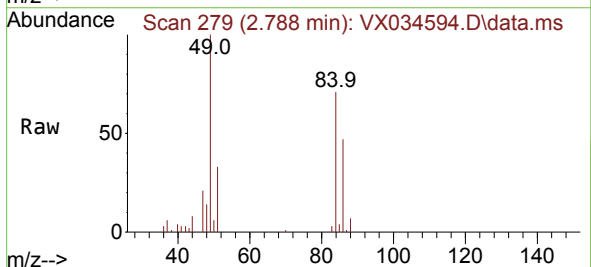
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#15

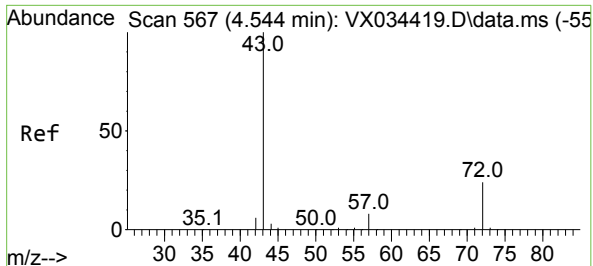
Tgt Ion: 43 Resp: 5759
Ion Ratio Lower Upper
43 100
74 20.8 18.3 27.5



#20
Methylene Chloride
Concen: 4.039 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

Tgt Ion: 84 Resp: 11762
Ion Ratio Lower Upper
84 100
49 140.8 103.8 155.8
51 46.5 31.8 47.8
86 66.9 51.4 77.2

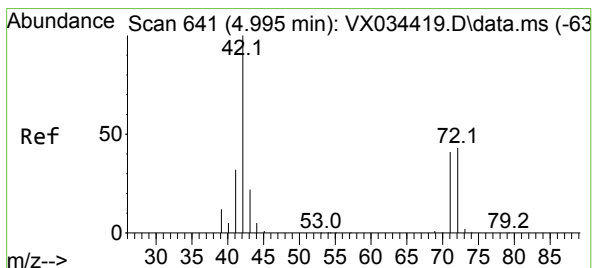
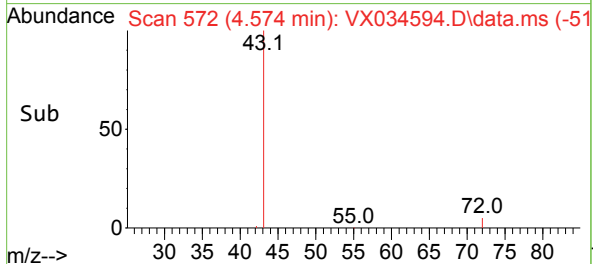
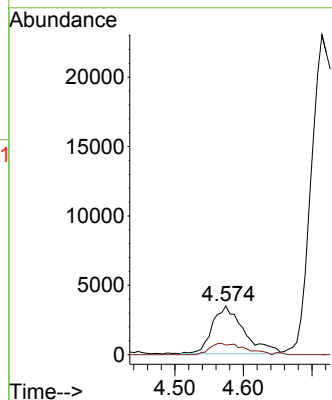
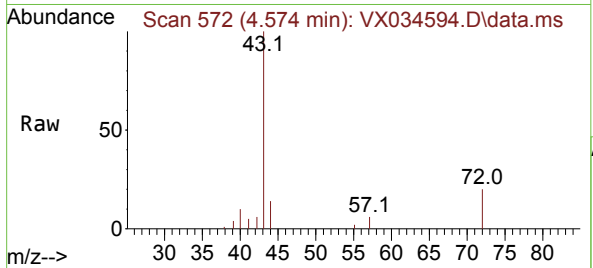




#25
2-Butanone
Concen: 5.160 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

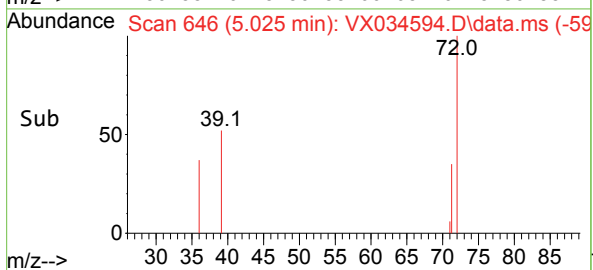
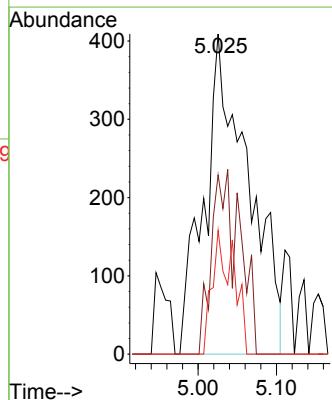
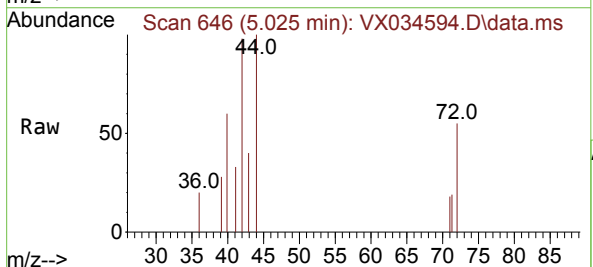
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#15

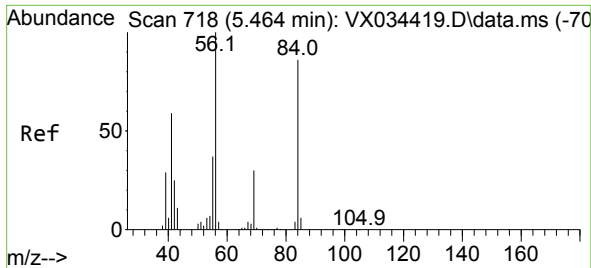
Tgt Ion: 43 Resp: 11079
Ion Ratio Lower Upper
43 100
72 20.0 19.3 28.9



#29
Tetrahydrofuran
Concen: 1.207 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.030 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

Tgt Ion: 42 Resp: 1599
Ion Ratio Lower Upper
42 100
72 24.2 34.5 51.7#
71 11.9 32.1 48.1#

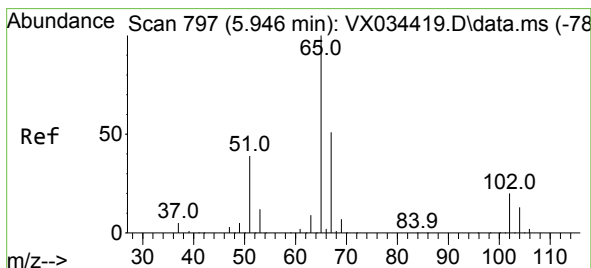
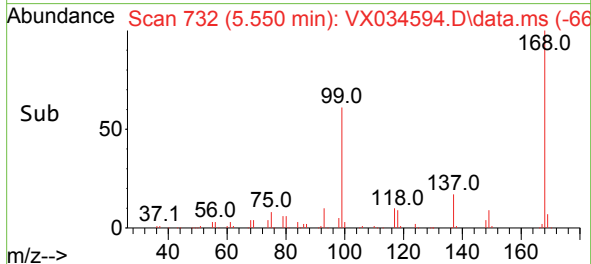
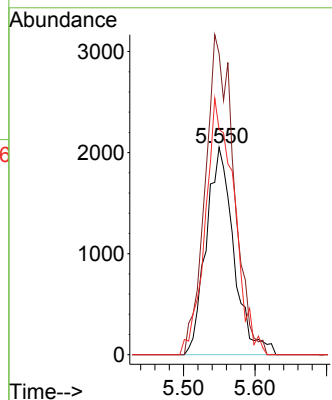
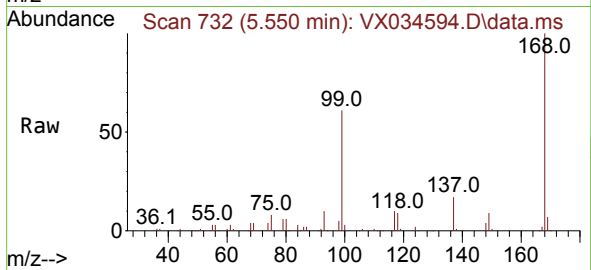




#31
Cyclohexane
Concen: 1.234 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

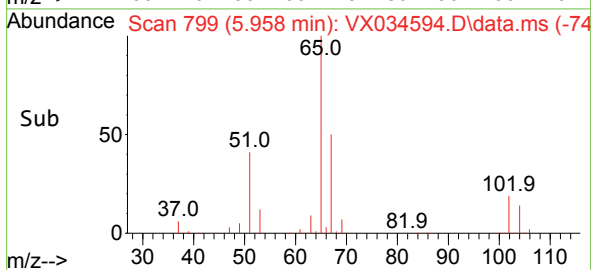
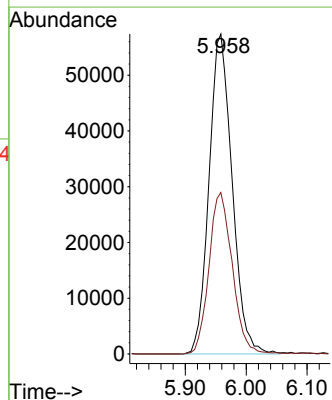
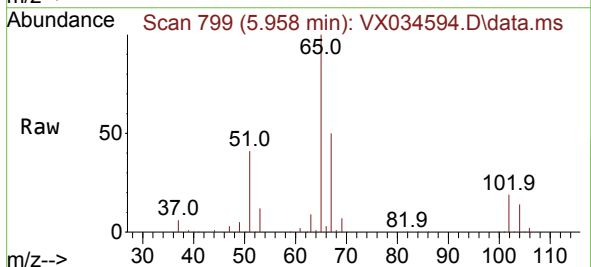
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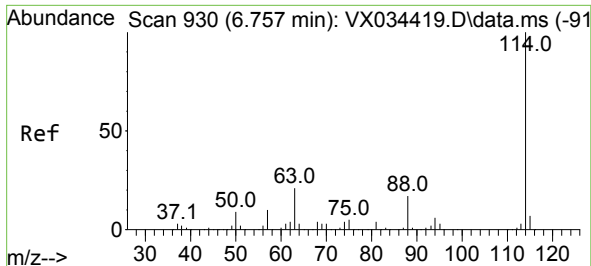
Tgt Ion: 56 Resp: 5515
Ion Ratio Lower Upper
56 100
69 145.2 23.7 35.5#
84 108.6 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 47.497 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.012 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

Tgt Ion: 65 Resp: 151301
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.0

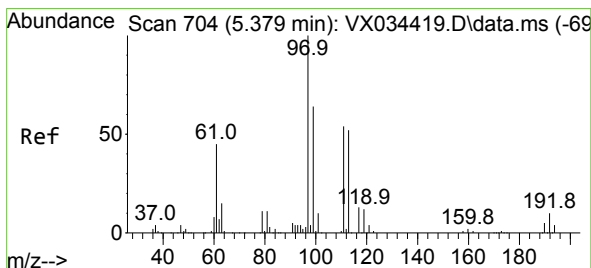
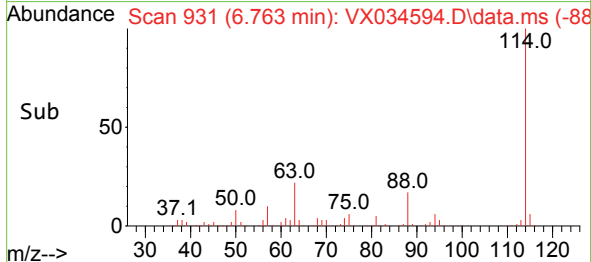
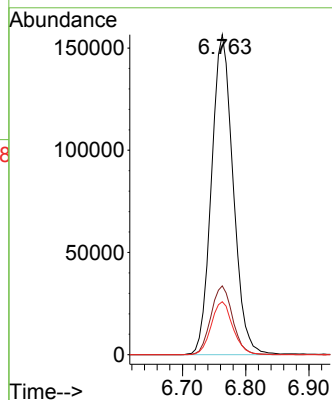
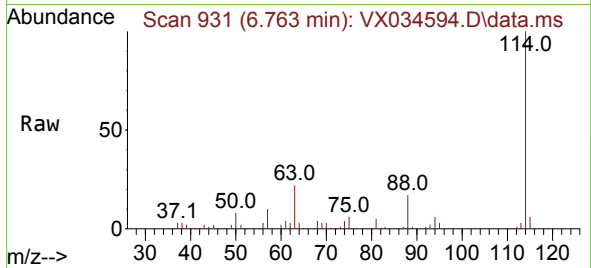




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

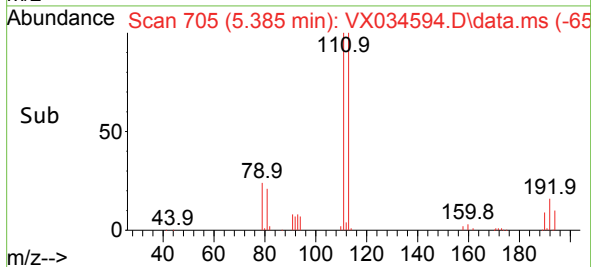
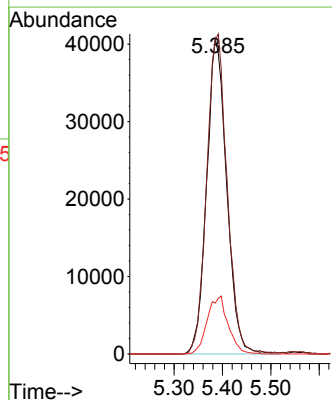
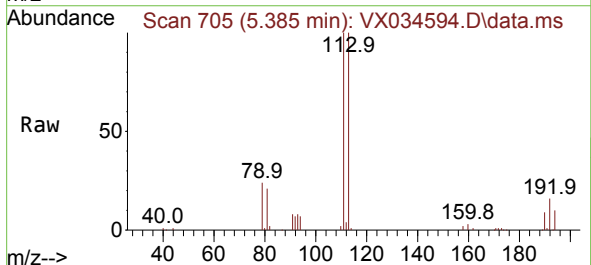
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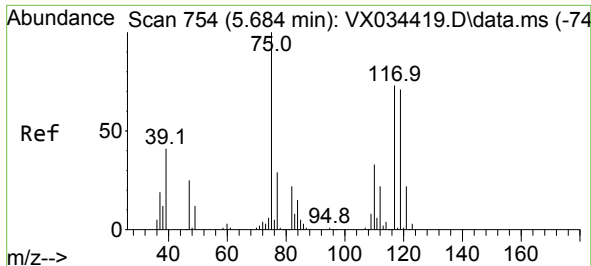
Tgt Ion:114 Resp: 372011
Ion Ratio Lower Upper
114 100
63 21.5 0.0 42.2
88 16.5 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.740 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

Tgt Ion:113 Resp: 117258
Ion Ratio Lower Upper
113 100
111 103.1 83.7 125.5
192 19.1 15.4 23.2

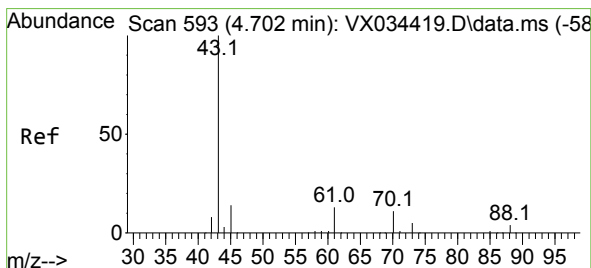
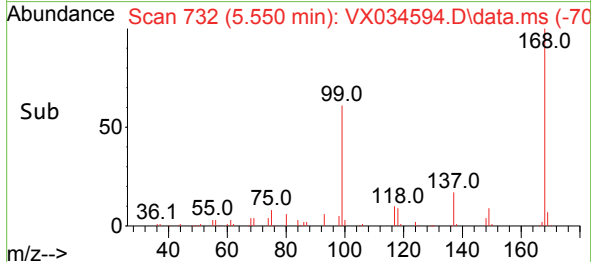
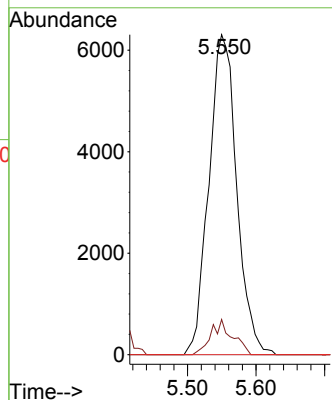
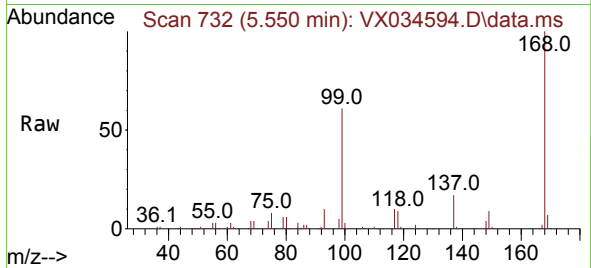




#36
1,1-Dichloropropene
Concen: 4.709 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

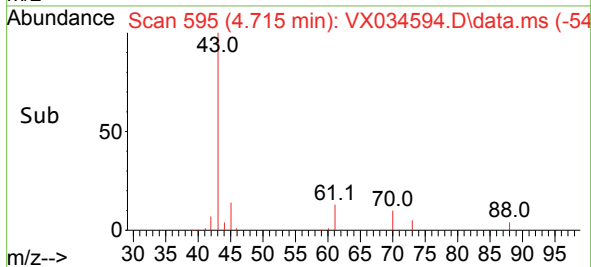
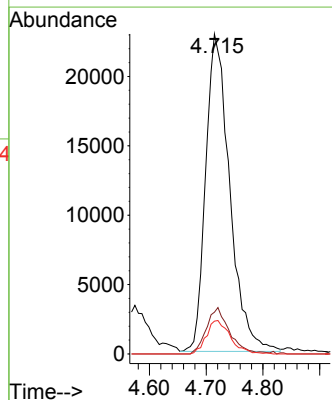
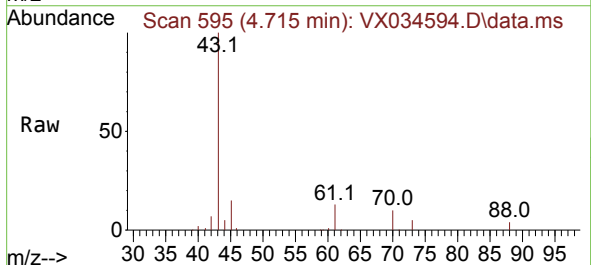
Instrument :
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ClientSampleId :
PB151466ZHE#15

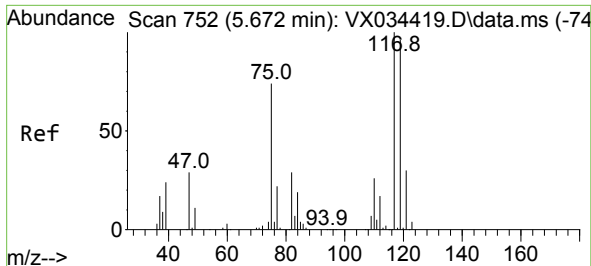
Tgt Ion: 75 Resp: 17766
Ion Ratio Lower Upper
75 100
110 8.5 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 16.345 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.012 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

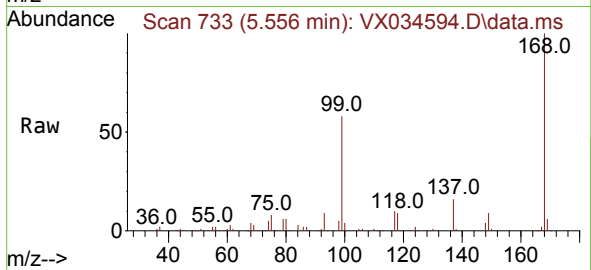
Tgt Ion: 43 Resp: 67365
Ion Ratio Lower Upper
43 100
61 14.2 10.2 15.4
70 10.5 8.2 12.4



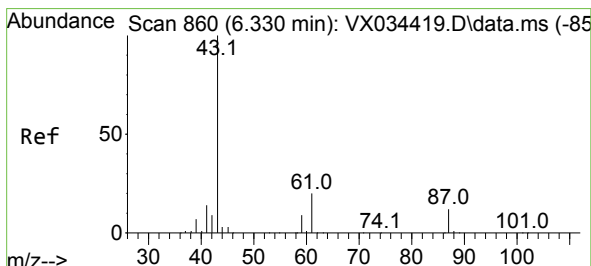
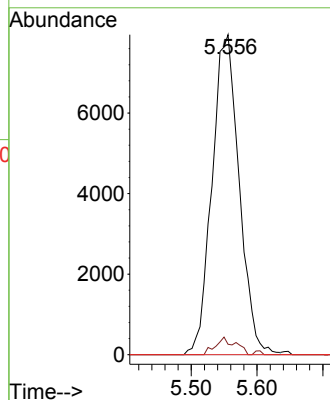
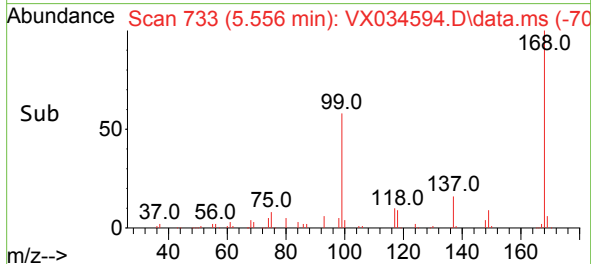


#38
Carbon Tetrachloride
Concen: 6.088 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#15

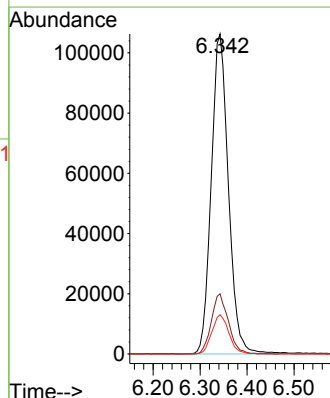
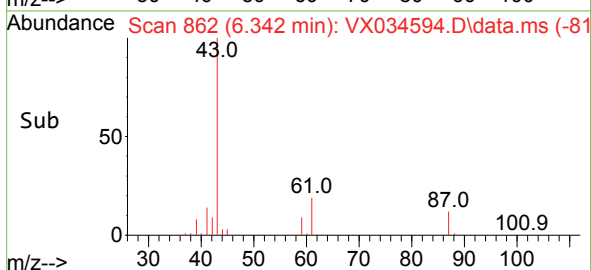
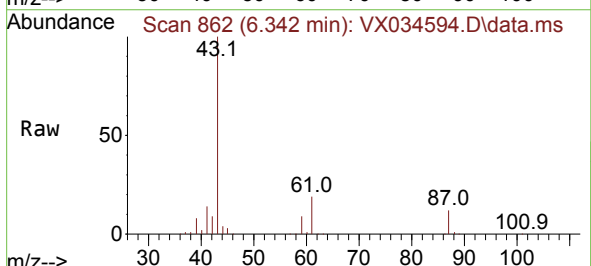


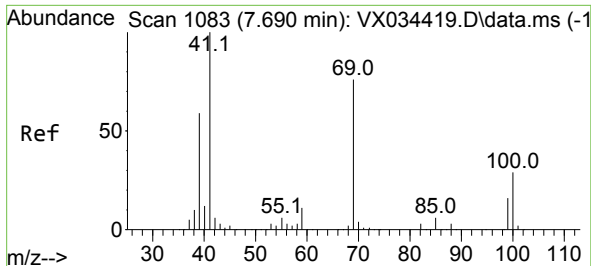
Tgt Ion:117 Resp: 22850
Ion Ratio Lower Upper
117 100
119 3.2 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 38.505 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.012 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

Tgt Ion: 43 Resp: 268843
Ion Ratio Lower Upper
43 100
61 18.6 15.2 22.8
87 12.1 9.8 14.8

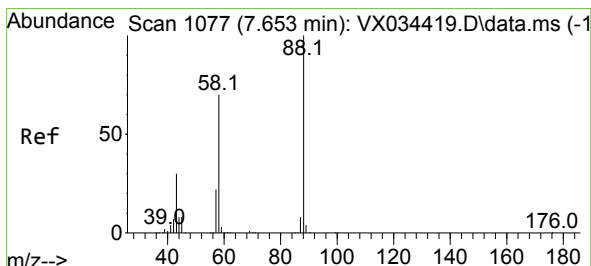
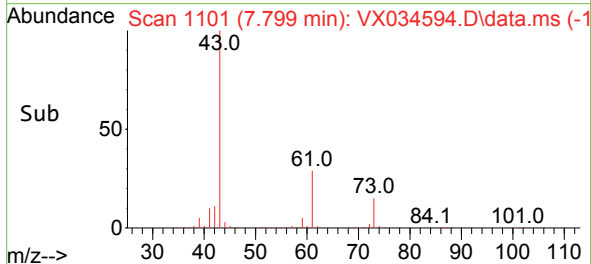
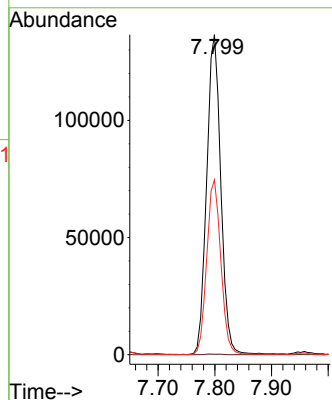
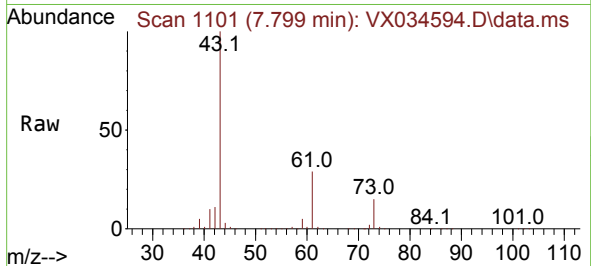




#48
Methyl methacrylate
Concen: 70.390 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

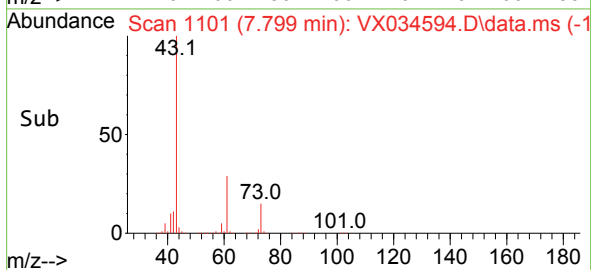
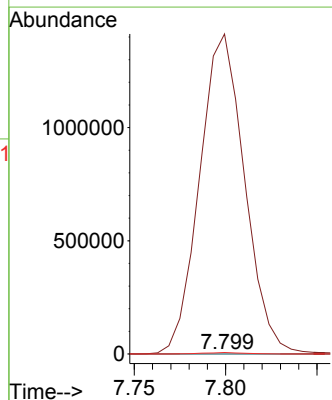
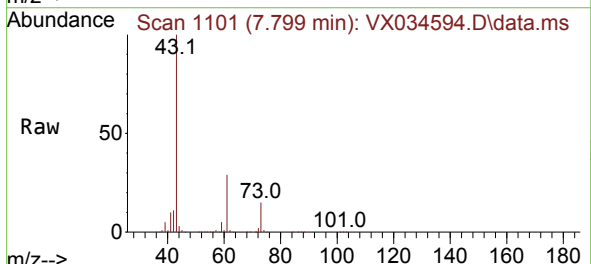
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#15

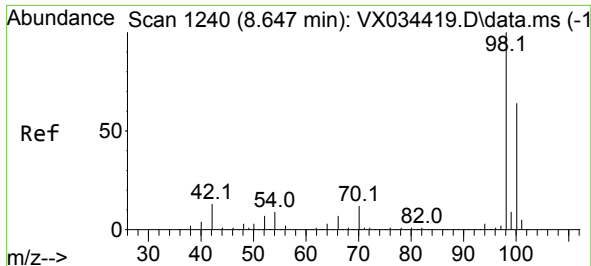
Tgt Ion: 41 Resp: 236366
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 54.6 47.7 71.5



#49
1,4-Dioxane
Concen: 5.203 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.146 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

Tgt Ion: 88 Resp: 367
Ion Ratio Lower Upper
88 100
43 663589.9 27.7 41.5#
58 2647.7 56.8 85.2#

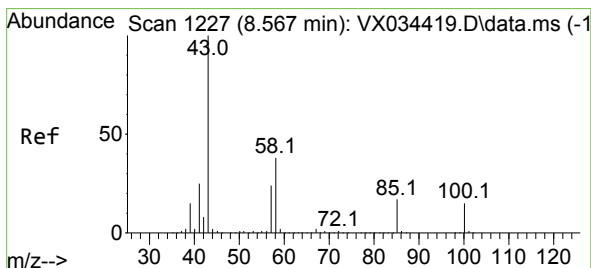
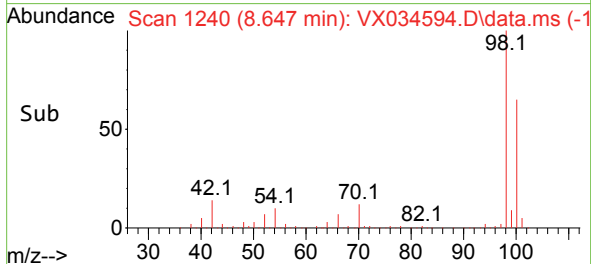
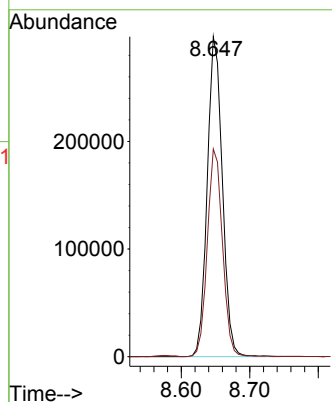
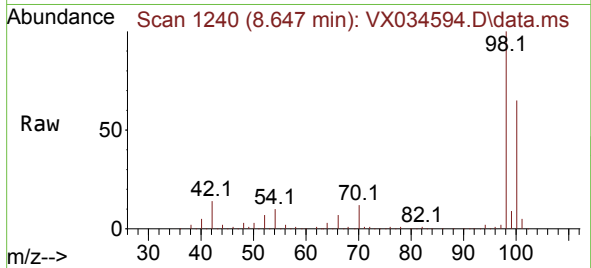




#50
Toluene-d8
Concen: 49.800 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

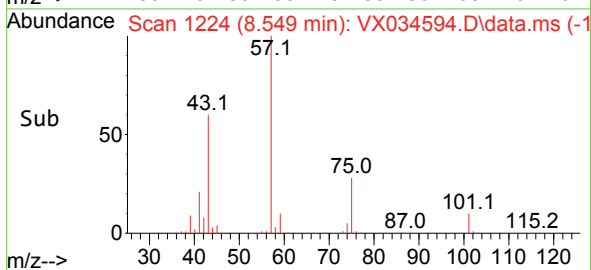
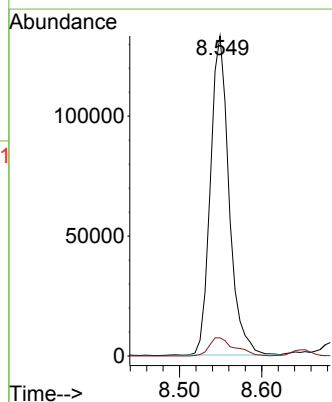
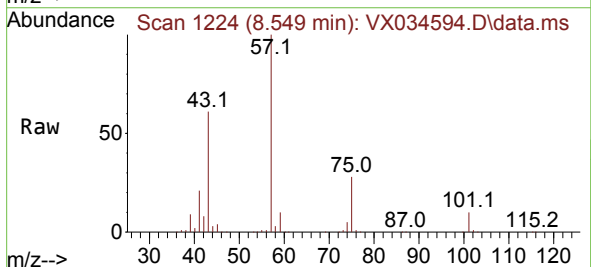
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#15

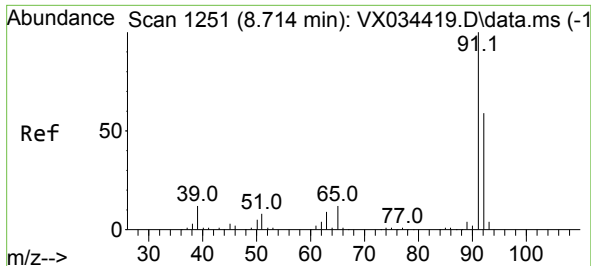
Tgt Ion: 98 Resp: 456624
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 51.901 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

Tgt Ion: 43 Resp: 210214
Ion Ratio Lower Upper
43 100
58 7.7 30.6 46.0#

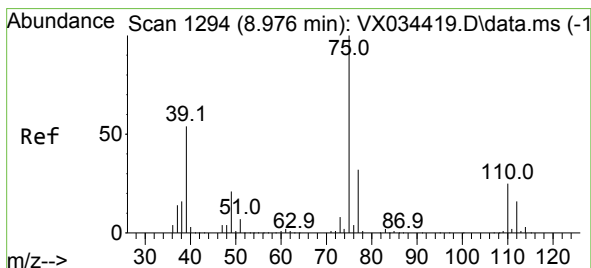
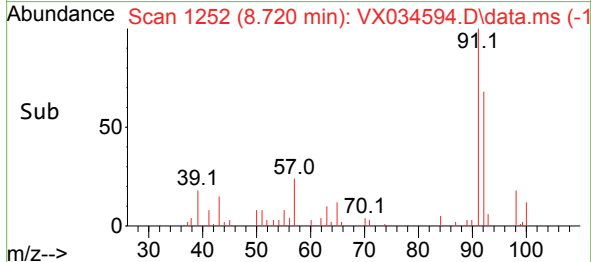
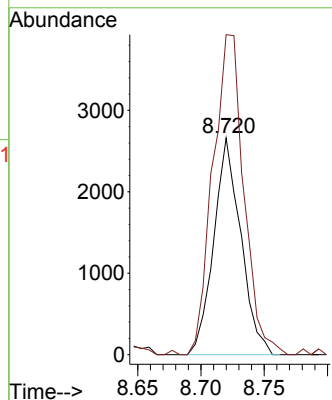
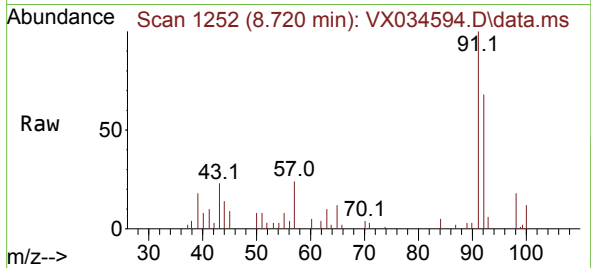




#52
Toluene
Concen: 0.580 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

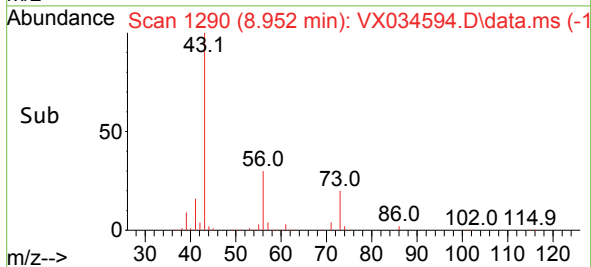
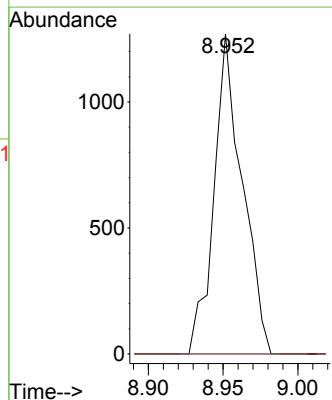
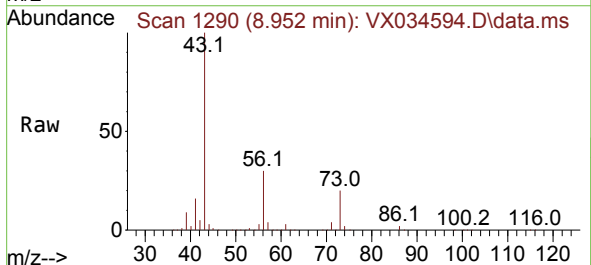
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#15

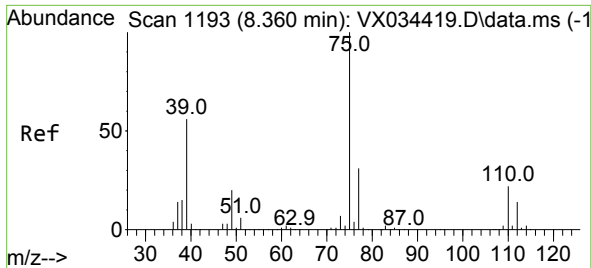
Tgt Ion: 92 Resp: 3963
Ion Ratio Lower Upper
92 100
91 169.8 136.8 205.2



#53
t-1,3-Dichloropropene
Concen: 0.392 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

Tgt Ion: 75 Resp: 1674
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

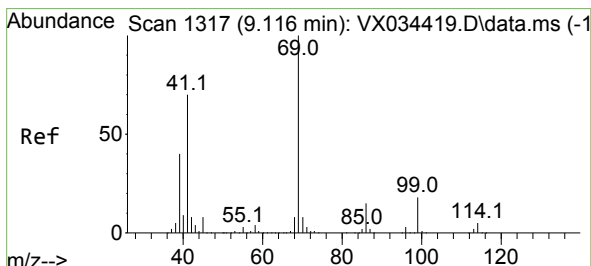
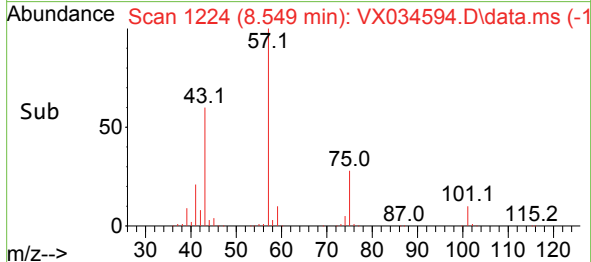
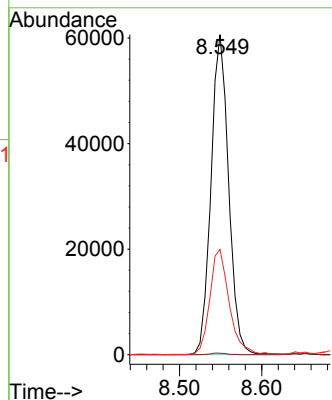
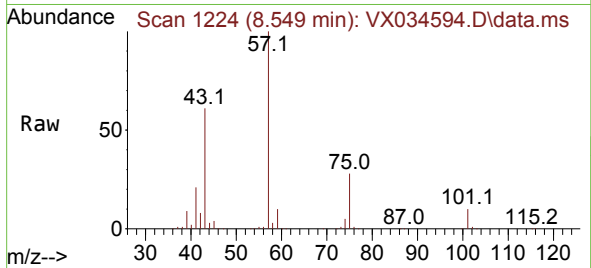




#54
 cis-1,3-Dichloropropene
 Concen: 19.511 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX034594.D
 Acq: 17 Mar 2023 19:06

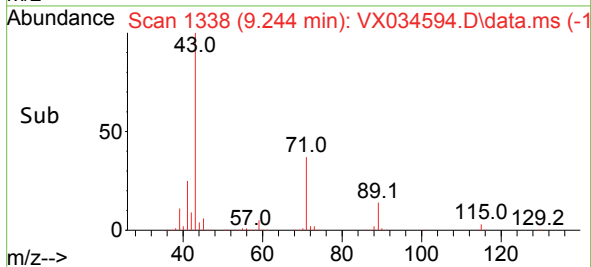
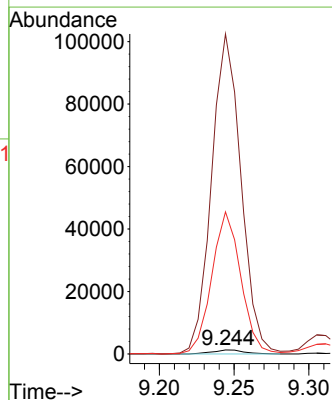
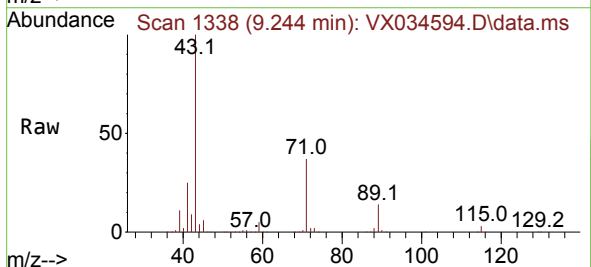
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#15

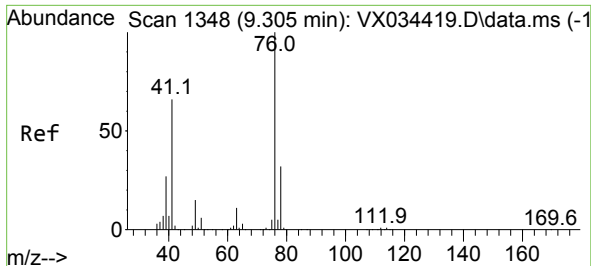
Tgt Ion: 75 Resp: 90166
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 32.8 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 0.428 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX034594.D
 Acq: 17 Mar 2023 19:06

Tgt Ion: 69 Resp: 1906
 Ion Ratio Lower Upper
 69 100
 41 7367.4 57.4 86.0#
 39 3227.4 33.7 50.5#





#57

1,3-Dichloropropane

Concen: 2.385 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034594.D

Acq: 17 Mar 2023 19:06

Instrument :

MSVOA_X

ClientSampleId :

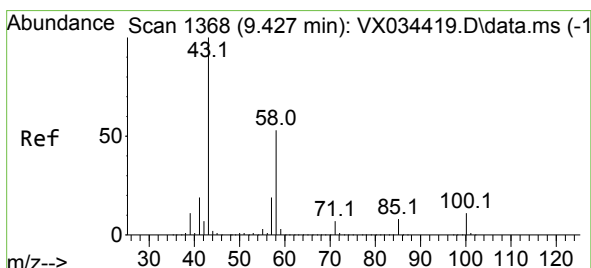
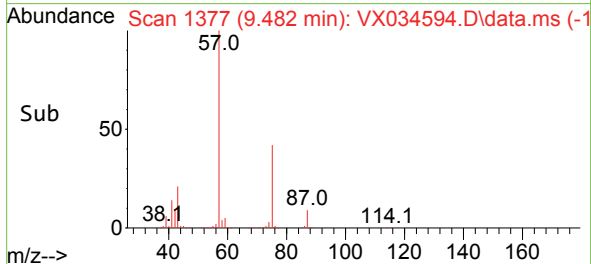
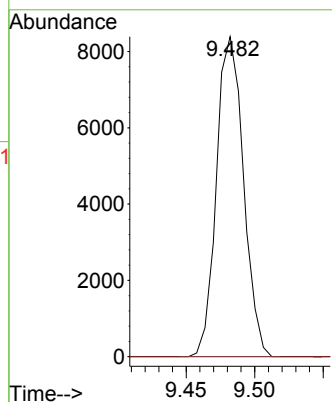
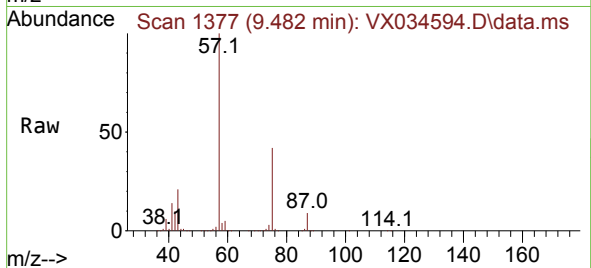
PB151466ZHE#15

Tgt Ion: 76 Resp: 11494

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 54.334 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034594.D

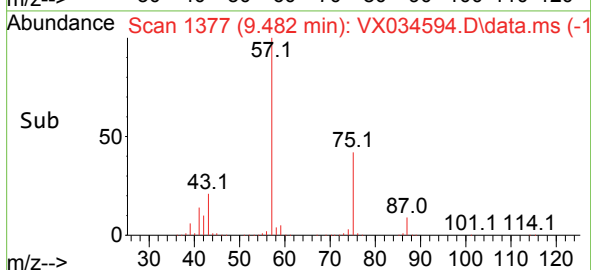
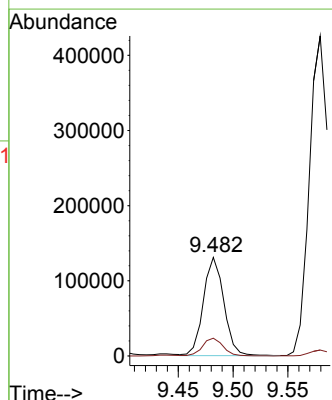
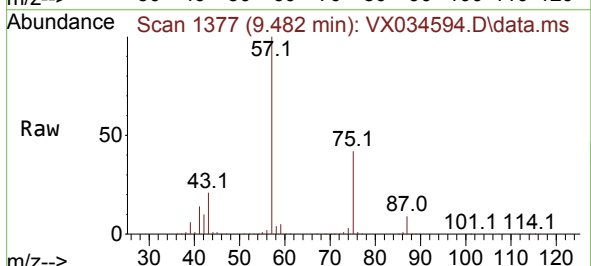
Acq: 17 Mar 2023 19:06

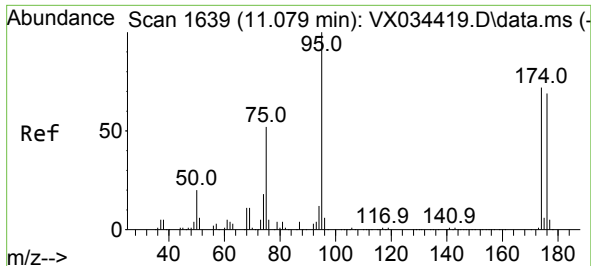
Tgt Ion: 43 Resp: 170115

Ion Ratio Lower Upper

43 100

58 18.4 26.3 78.9#

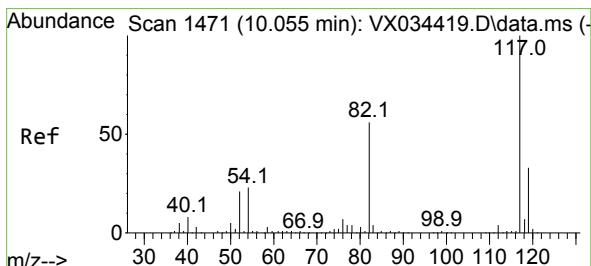
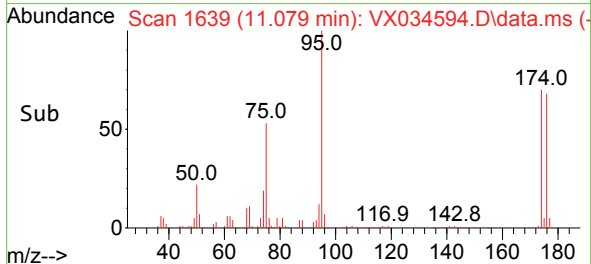
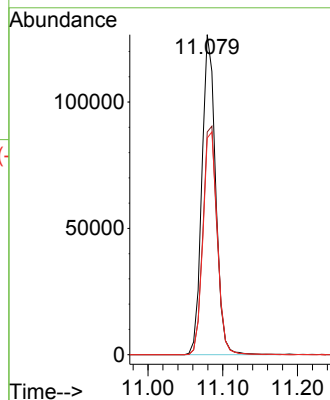
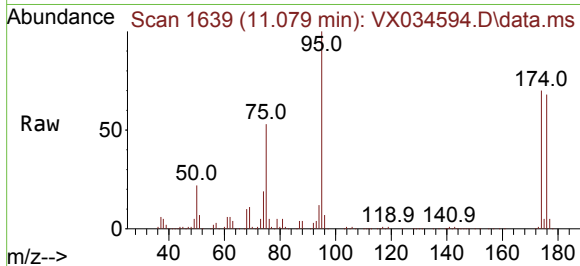




#62
4-Bromofluorobenzene
Concen: 43.550 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

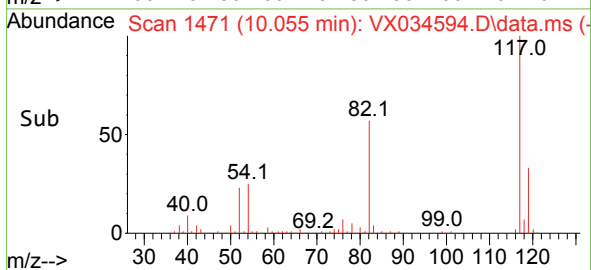
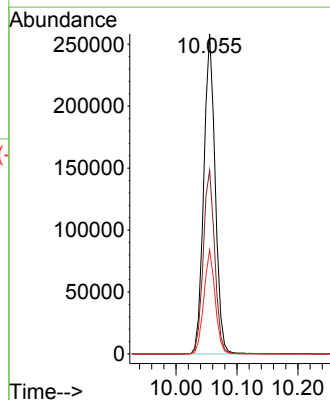
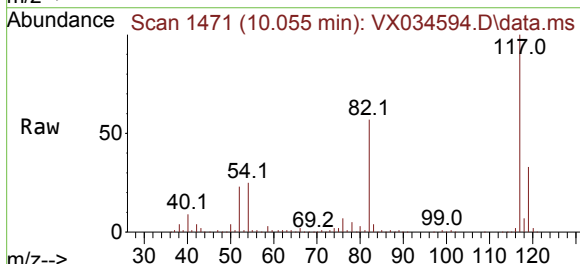
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#15

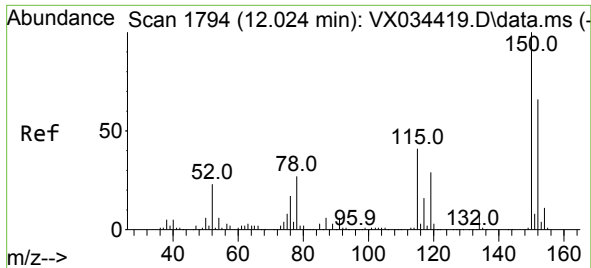
Tgt Ion: 95 Resp: 161292
Ion Ratio Lower Upper
95 100
174 73.9 0.0 147.4
176 72.9 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

Tgt Ion: 117 Resp: 337205
Ion Ratio Lower Upper
117 100
82 57.4 45.0 67.4
119 32.6 26.0 39.0

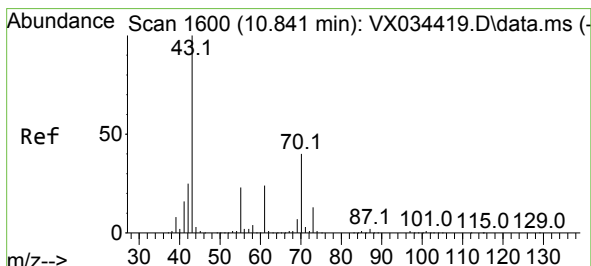
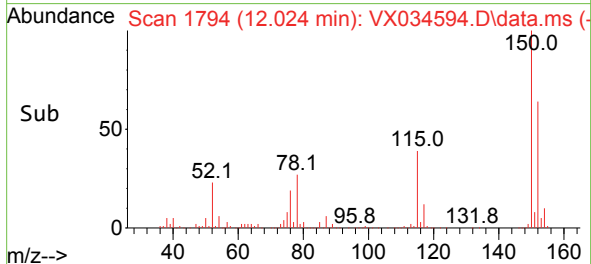
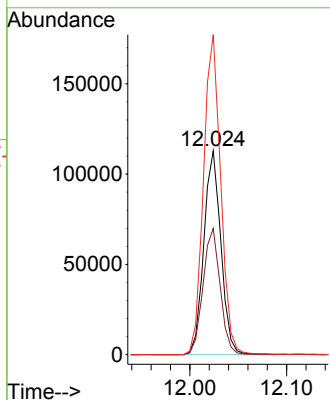
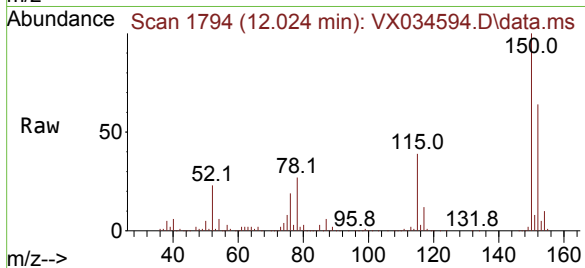




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

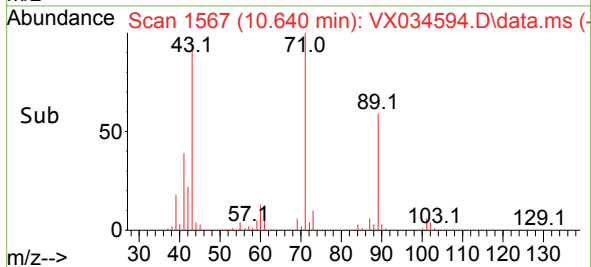
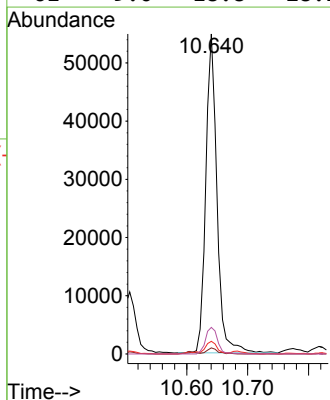
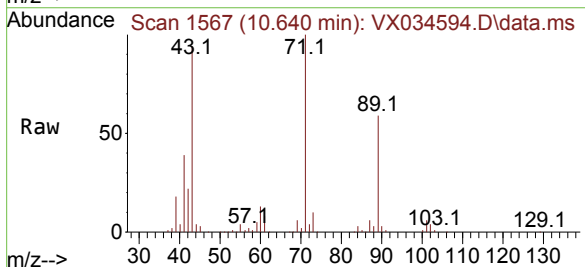
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#15

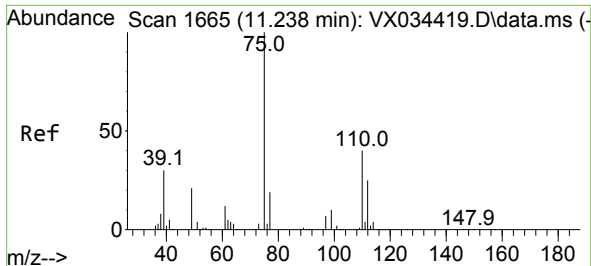
Tgt Ion:152 Resp: 138899
Ion Ratio Lower Upper
152 100
115 62.4 45.0 135.0
150 158.4 0.0 352.4



#74
N-ethyl acetate
Concen: 13.618 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

Tgt Ion: 43 Resp: 70022
Ion Ratio Lower Upper
43 100
70 1.9 32.1 48.1#
55 4.4 18.3 27.5#
61 9.0 18.8 28.2#

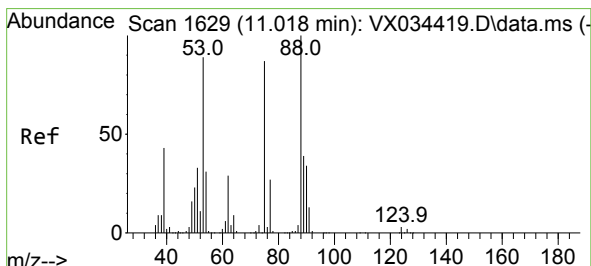
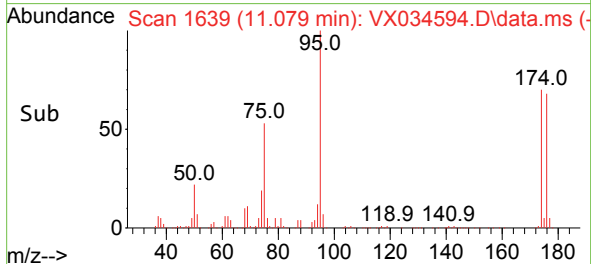
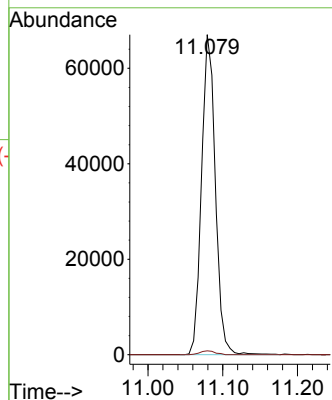
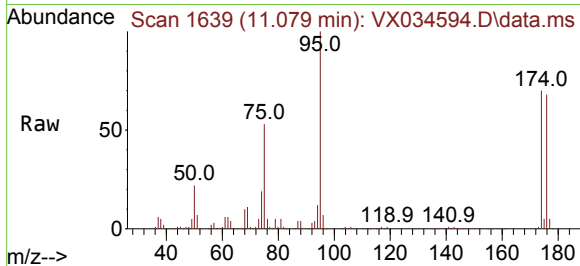




#76
1,2,3-Trichloropropane
Concen: 26.973 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#15

Tgt Ion: 75 Resp: 86024
Ion Ratio Lower Upper
75 100
77 1.3 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.970 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034594.D
Acq: 17 Mar 2023 19:06

Tgt Ion: 75 Resp: 86024
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

