

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021223\
 Data File : VX034128.D
 Acq On : 10 Feb 2023 20:31
 Operator : JC/MD
 Sample : 01481-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

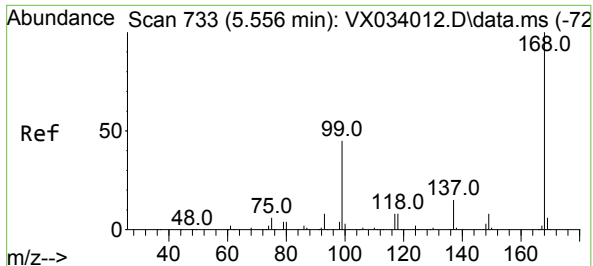
Instrument :
 MSVOA_X
 ClientSampleId :
 JPP-39-020723

Quant Time: Feb 11 00:41:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 03 23:25:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	115300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	157010	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	138020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56880	51.172	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.340%			
35) Dibromofluoromethane	5.385	113	50234	50.271	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.540%			
50) Toluene-d8	8.647	98	177489	49.299	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.600%			
62) 4-Bromofluorobenzene	11.079	95	61550	47.867	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.740%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	1018	6.537	ug/l #	86
16) Acetone	2.373	43	23730	50.546	ug/l	96
17) Carbon Disulfide	2.508	76	481	0.201	ug/l #	76
18) Methyl Acetate	2.703	43	1145	0.784	ug/l #	90
20) Methylene Chloride	2.788	84	7682	7.152	ug/l	85
25) 2-Butanone	4.574	43	2902	4.245	ug/l	97
29) Tetrahydrofuran	5.007	42	143	0.329	ug/l #	45
31) Cyclohexane	5.550	56	1647	1.017	ug/l #	12
36) 1,1-Dichloropropene	5.556	75	6344	4.630	ug/l #	49
37) Ethyl Acetate	4.708	43	13414	10.510	ug/l	99
38) Carbon Tetrachloride	5.556	117	9873	6.757	ug/l #	15
43) Isopropyl Acetate	6.336	43	55989	28.129	ug/l	97
48) Methyl methacrylate	7.793	41	49973	48.628	ug/l #	45
51) 4-Methyl-2-Pentanone	8.543	43	43154	34.565	ug/l #	52
53) t-1,3-Dichloropropene	8.958	75	515	0.386	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	20312	13.366	ug/l #	60
56) Ethyl methacrylate	9.244	69	338	0.236	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2589	1.545	ug/l #	43
59) 2-Hexanone	9.482	43	33968	37.178	ug/l #	50
74) N-amyl acetate	10.640	43	11767	8.069	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	29408	25.858	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	29408	79.634	ug/l #	8
94) Hexachlorobutadiene	13.731	225	188	0.245	ug/l	70
95) Naphthalene	13.780	128	1499	0.352	ug/l #	94

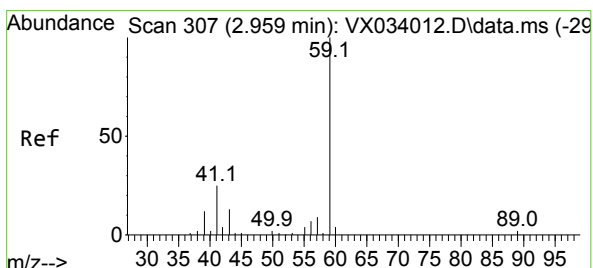
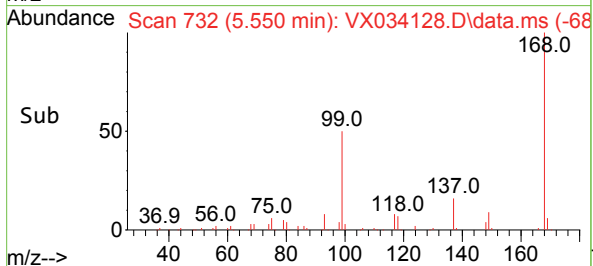
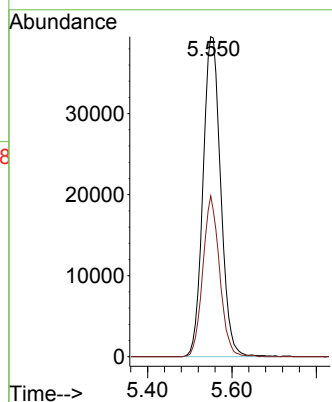
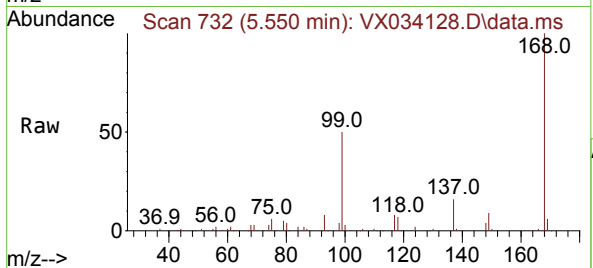
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

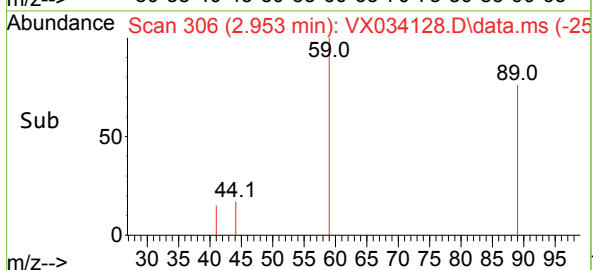
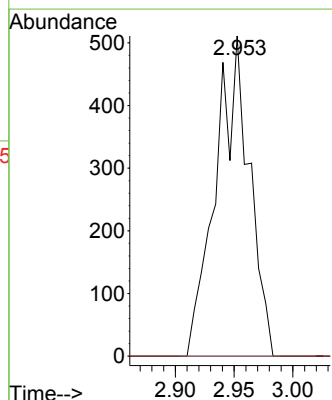
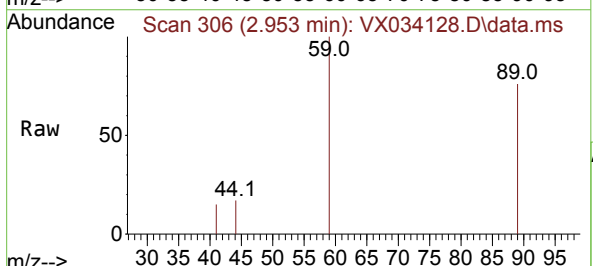
Instrument :
MSVOA_X
ClientSampleId :
JPP-39-020723

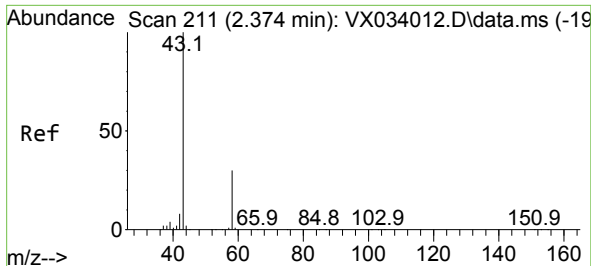
Tgt Ion:168 Resp: 115300
Ion Ratio Lower Upper
168 100
99 50.3 39.6 59.4



#11
Tert butyl alcohol
Concen: 6.537 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

Tgt Ion: 59 Resp: 1018
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

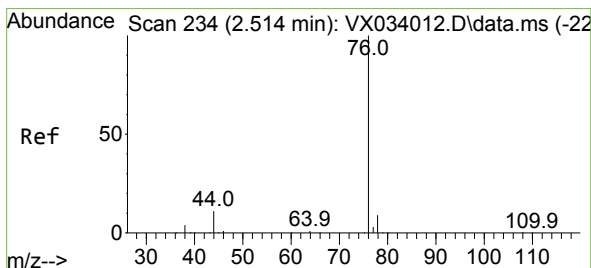
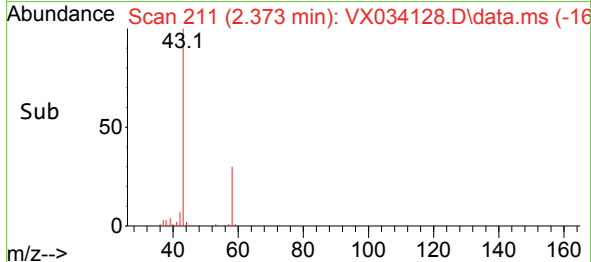
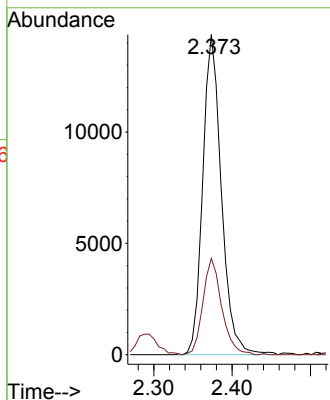
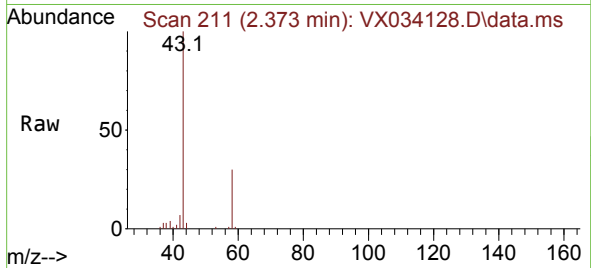




#16
Acetone
Concen: 50.546 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

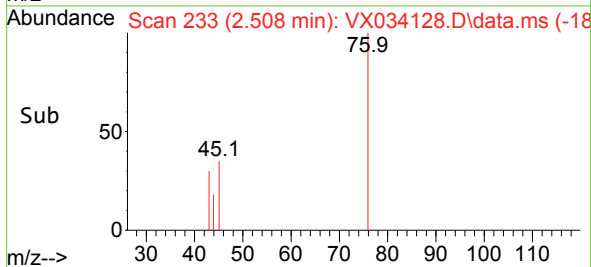
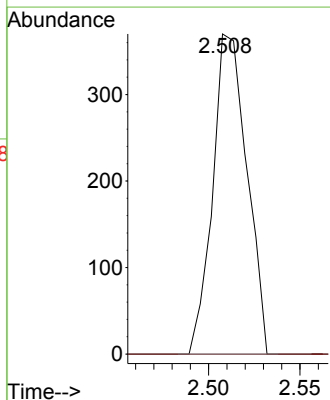
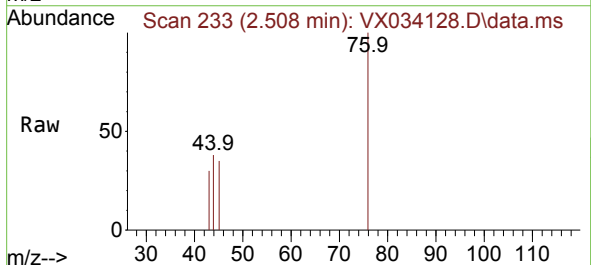
Instrument :
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ClientSampleId :
JPP-39-020723

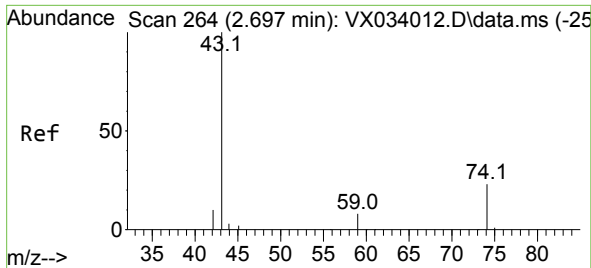
Tgt Ion: 43 Resp: 23730
Ion Ratio Lower Upper
43 100
58 30.1 22.6 33.8



#17
Carbon Disulfide
Concen: 0.201 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

Tgt Ion: 76 Resp: 481
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

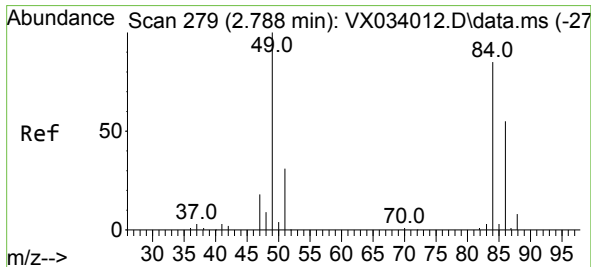
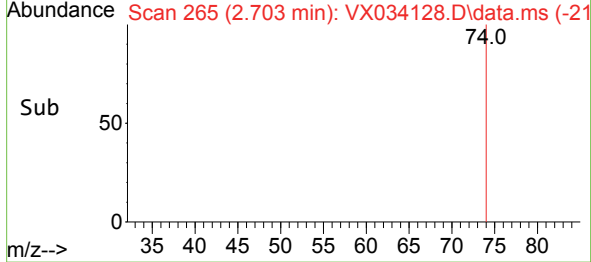
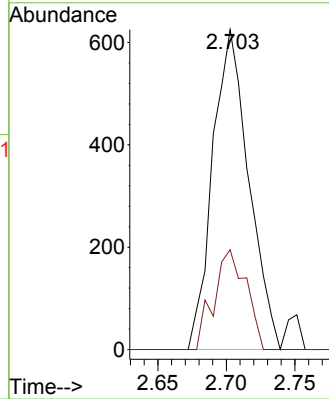
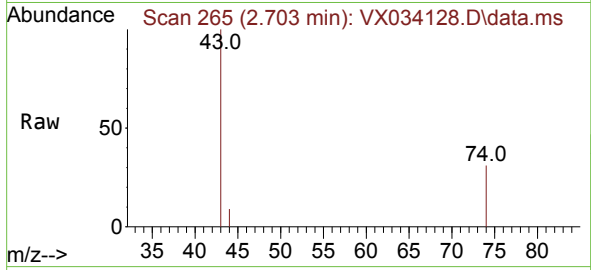




#18
Methyl Acetate
Concen: 0.784 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

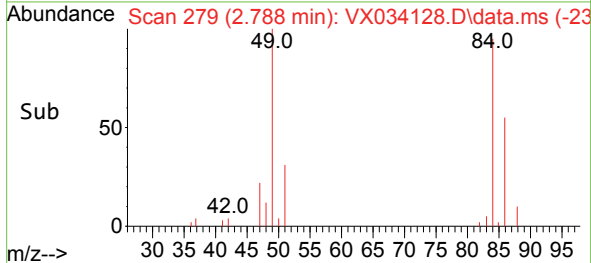
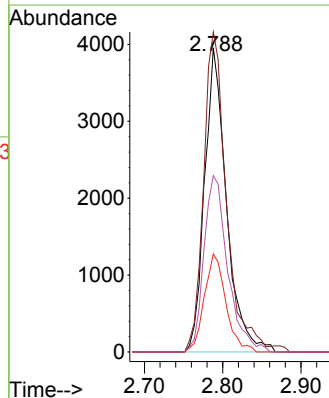
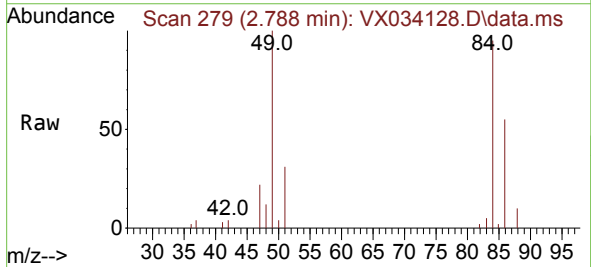
Instrument :
MSVOA_X
ClientSampleId :
JPP-39-020723

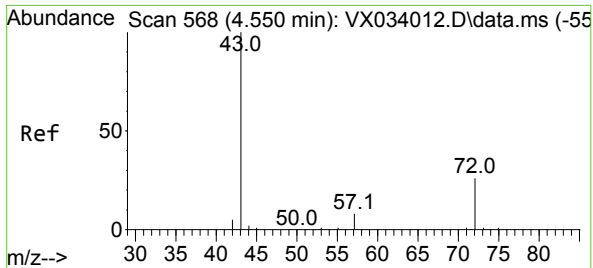
Tgt Ion: 43 Resp: 1145
Ion Ratio Lower Upper
43 100
74 27.9 18.2 27.4#



#20
Methylene Chloride
Concen: 7.152 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

Tgt Ion: 84 Resp: 7682
Ion Ratio Lower Upper
84 100
49 105.2 101.1 151.7
51 32.2 31.0 46.6
86 58.0 52.6 79.0

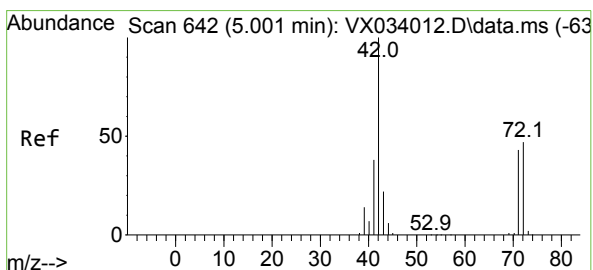
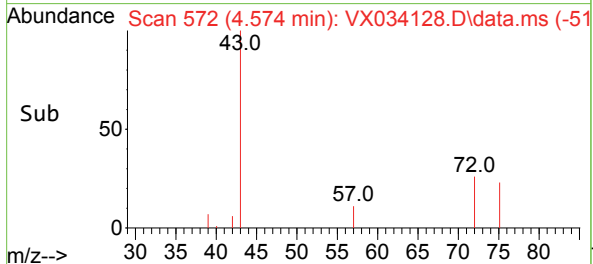
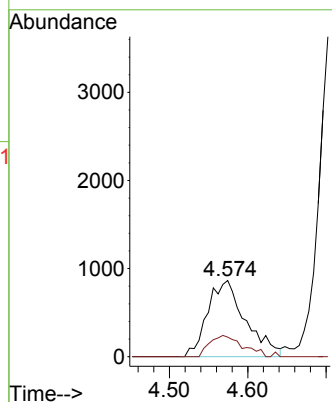
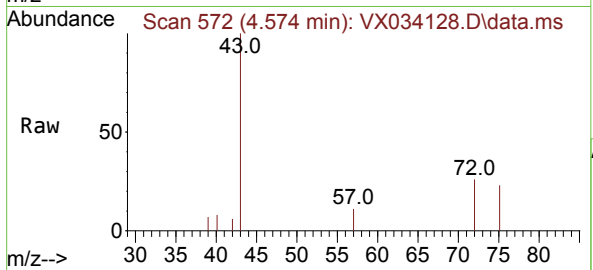




#25
2-Butanone
Concen: 4.245 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

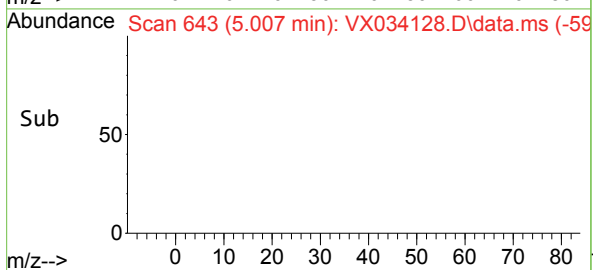
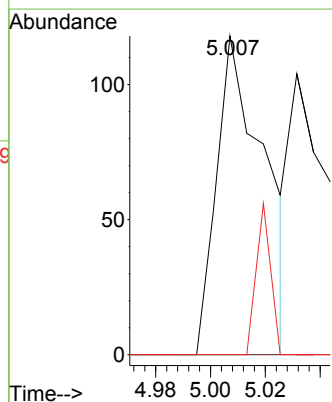
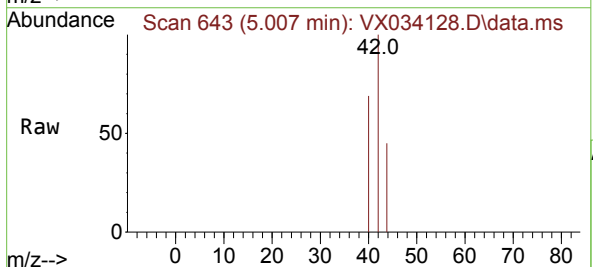
Instrument :
MSVOA_X
ClientSampleId :
JPP-39-020723

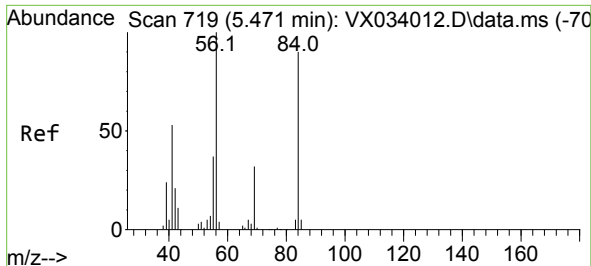
Tgt Ion: 43 Resp: 2902
Ion Ratio Lower Upper
43 100
72 25.5 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.329 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.006 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

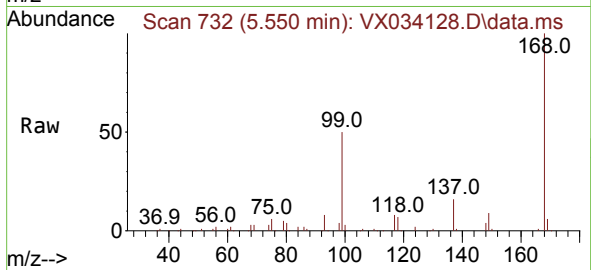
Tgt Ion: 42 Resp: 143
Ion Ratio Lower Upper
42 100
72 0.0 34.8 52.2#
71 14.0 32.2 48.2#



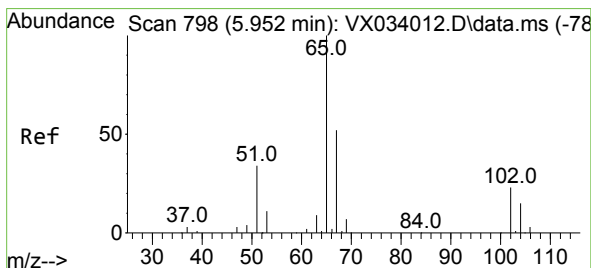
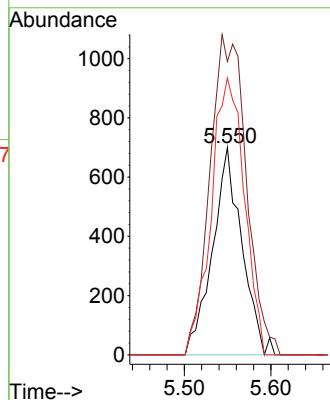
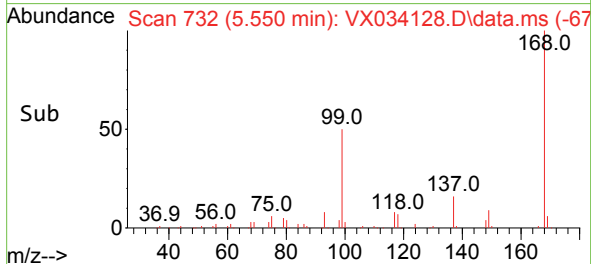


#31
Cyclohexane
Concen: 1.017 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

Instrument :
MSVOA_X
ClientSampleId :
JPP-39-020723

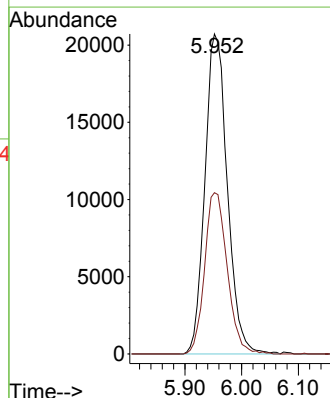
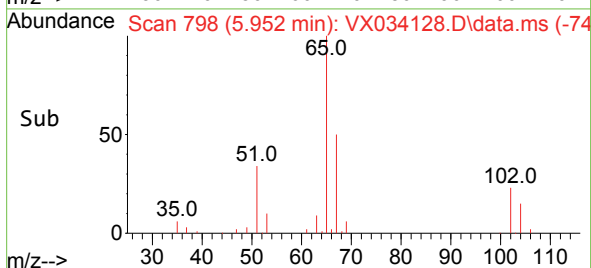
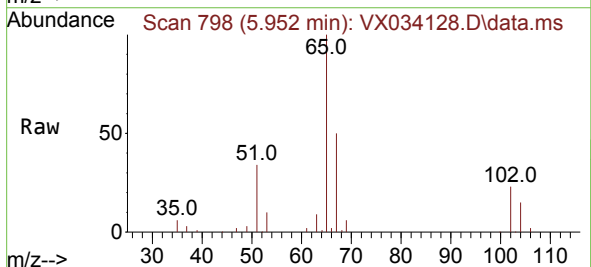


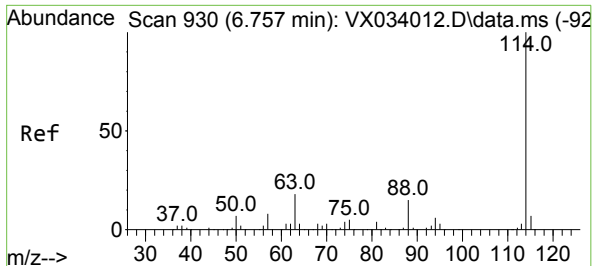
Tgt Ion: 56 Resp: 1647
Ion Ratio Lower Upper
56 100
69 141.4 24.6 37.0#
84 133.6 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 51.172 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

Tgt Ion: 65 Resp: 56880
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.8

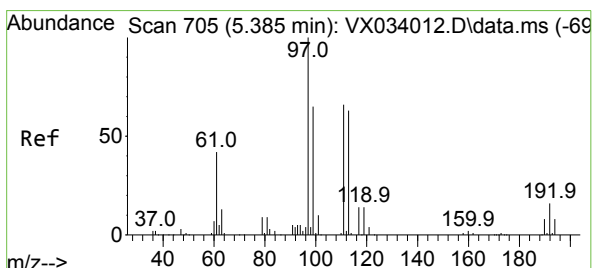
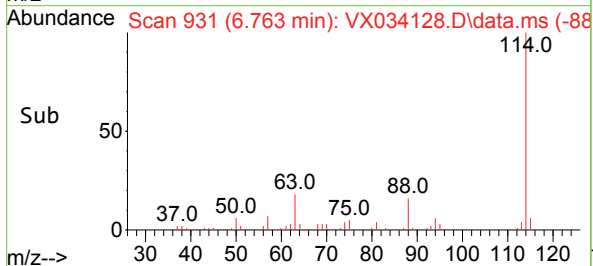
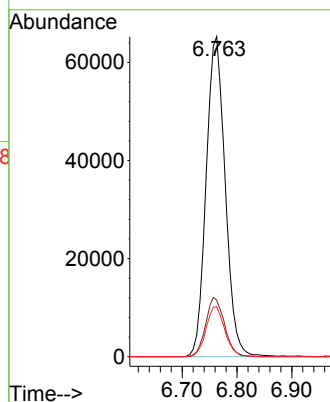
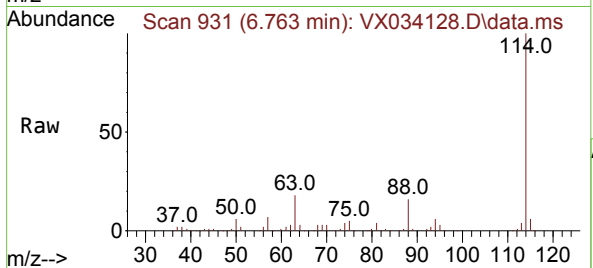




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

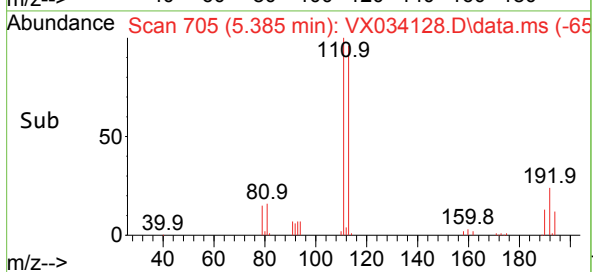
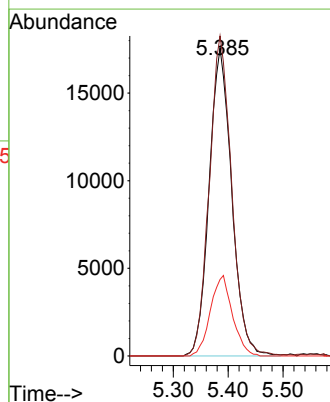
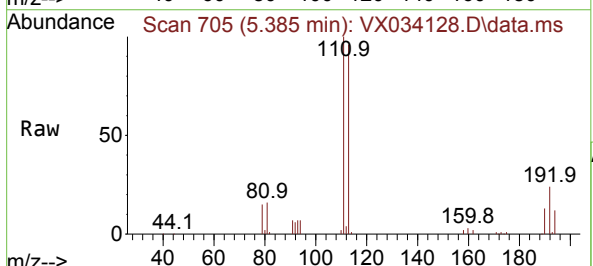
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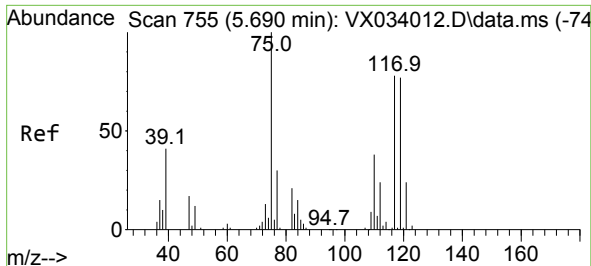
Tgt Ion:114 Resp: 157010
Ion Ratio Lower Upper
114 100
63 17.6 0.0 37.4
88 15.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.271 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

Tgt Ion:113 Resp: 50234
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.6
192 25.5 19.0 28.4

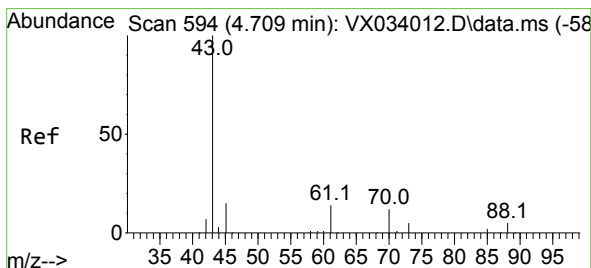
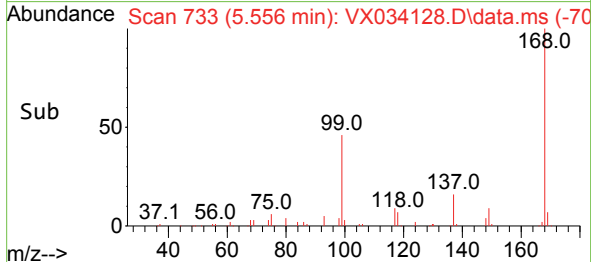
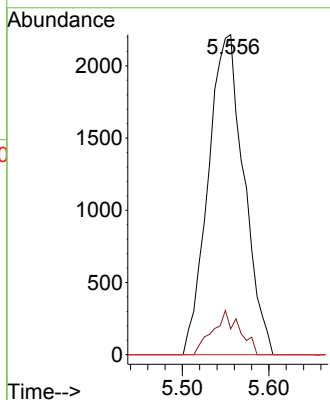
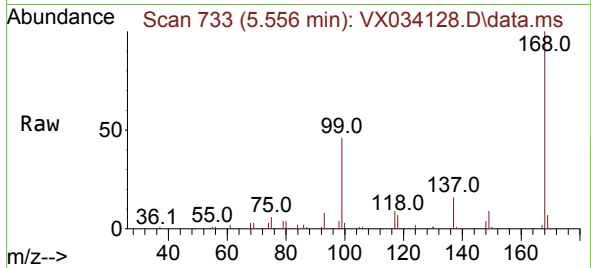




#36
1,1-Dichloropropene
Concen: 4.630 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

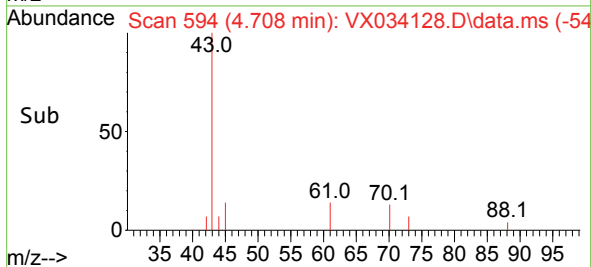
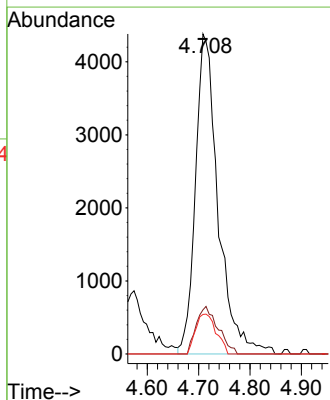
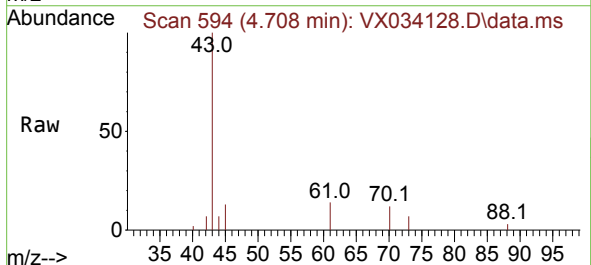
Instrument :
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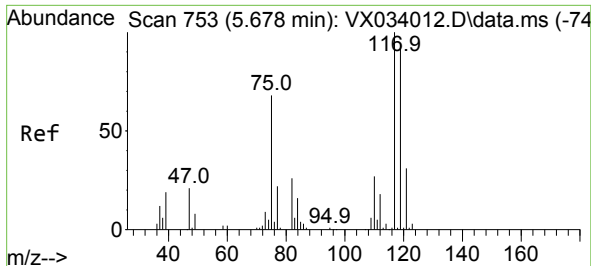
Tgt Ion: 75 Resp: 6344
Ion Ratio Lower Upper
75 100
110 10.4 18.8 56.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 10.510 ug/l
RT: 4.708 min Scan# 594
Delta R.T. -0.000 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

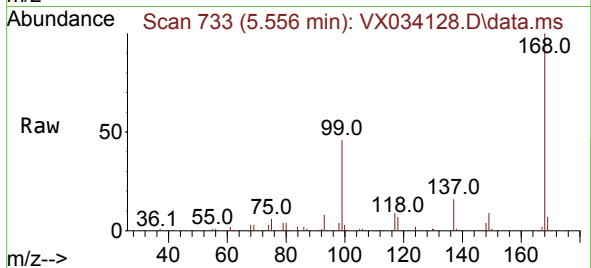
Tgt Ion: 43 Resp: 13414
Ion Ratio Lower Upper
43 100
61 14.3 11.1 16.7
70 11.3 8.5 12.7



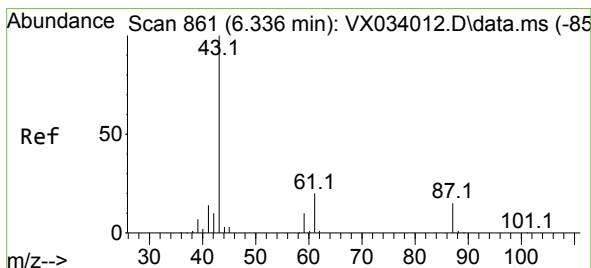
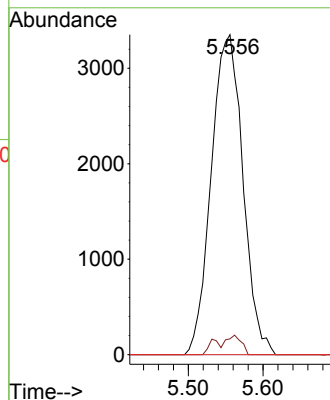
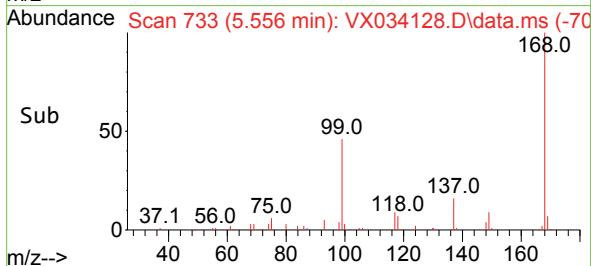


#38
Carbon Tetrachloride
Concen: 6.757 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

Instrument :
MSVOA_X
ClientSampleId :
JPP-39-020723

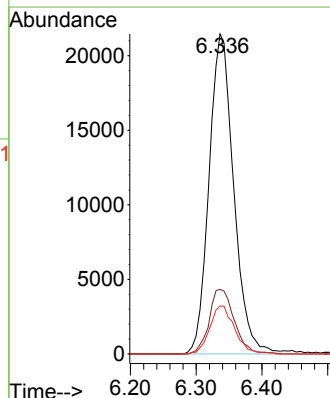
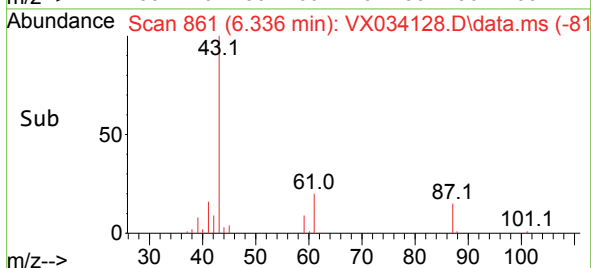
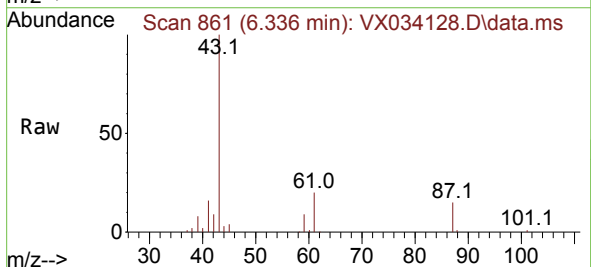


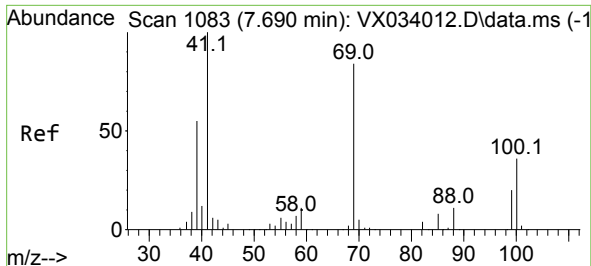
Tgt Ion:117 Resp: 9873
Ion Ratio Lower Upper
117 100
119 5.0 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 28.129 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

Tgt Ion: 43 Resp: 55989
Ion Ratio Lower Upper
43 100
61 20.6 15.7 23.5
87 15.1 10.6 15.8





#48

Methyl methacrylate

Concen: 48.628 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX034128.D

Acq: 10 Feb 2023 20:31

Instrument :

MSVOA_X

ClientSampleId :

JPP-39-020723

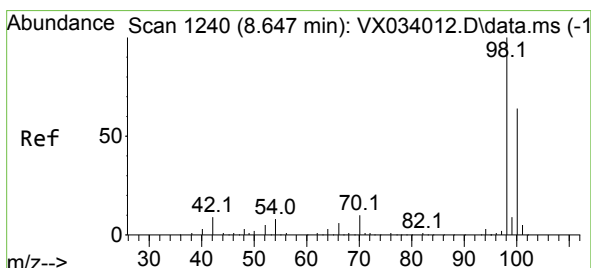
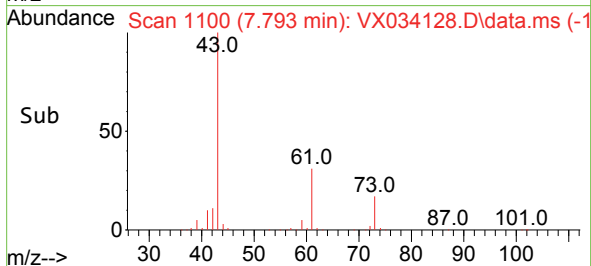
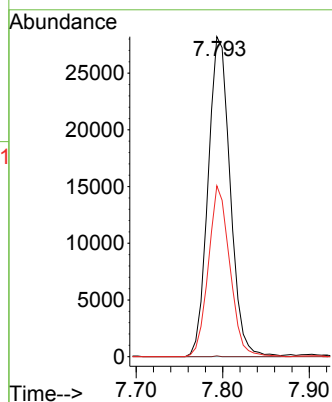
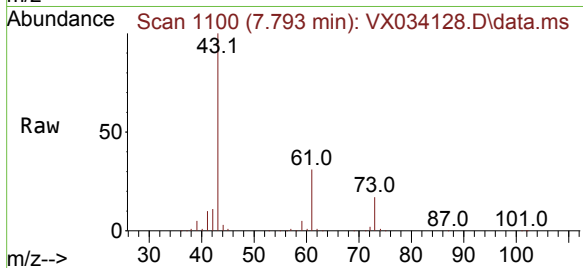
Tgt Ion: 41 Resp: 49973

Ion Ratio Lower Upper

41 100

69 0.1 63.1 94.7#

39 51.9 43.2 64.8



#50

Toluene-d8

Concen: 49.299 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034128.D

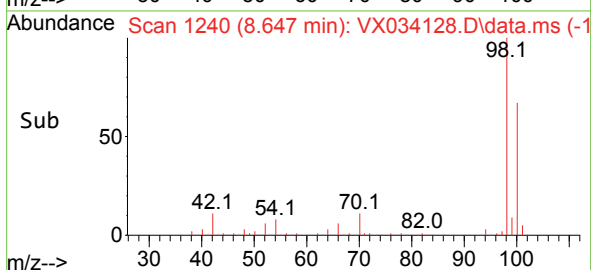
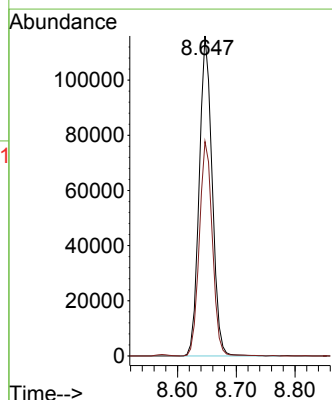
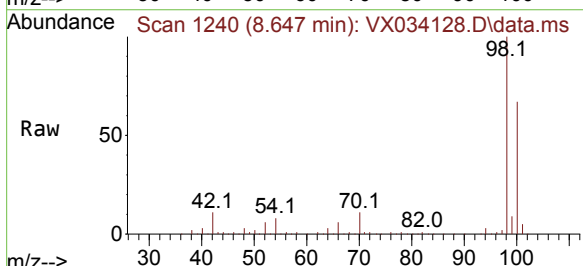
Acq: 10 Feb 2023 20:31

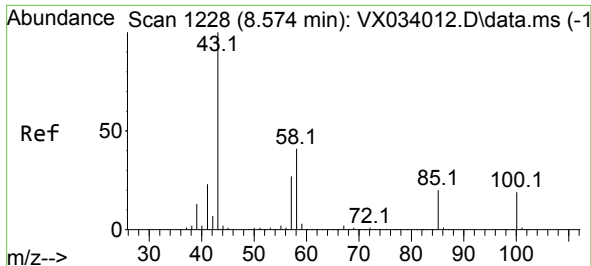
Tgt Ion: 98 Resp: 177489

Ion Ratio Lower Upper

98 100

100 67.5 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 34.565 ug/l

RT: 8.543 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX034128.D

Acq: 10 Feb 2023 20:31

Instrument :

MSVOA_X

ClientSampleId :

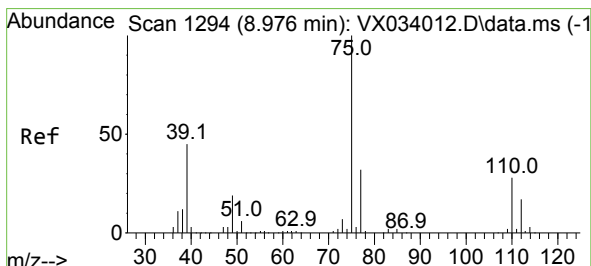
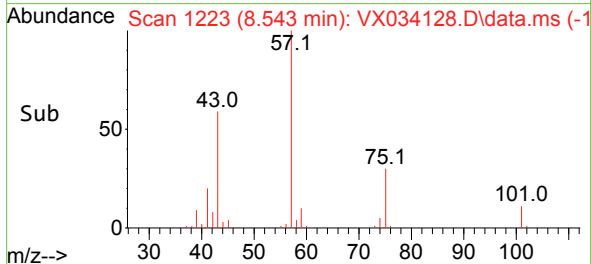
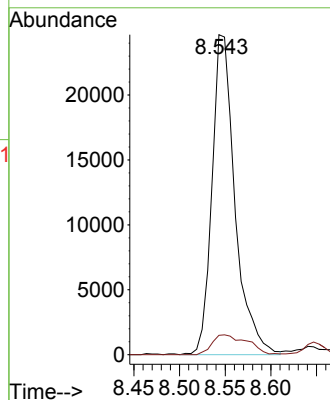
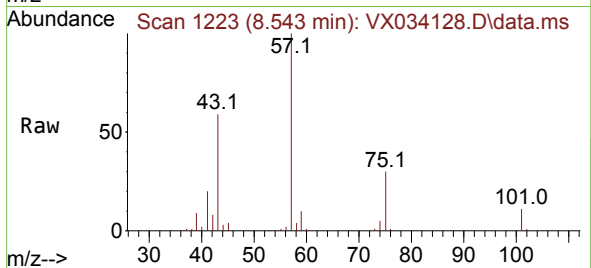
JPP-39-020723

Tgt Ion: 43 Resp: 43154

Ion Ratio Lower Upper

43 100

58 9.6 31.2 46.8#



#53

t-1,3-Dichloropropene

Concen: 0.386 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.018 min

Lab File: VX034128.D

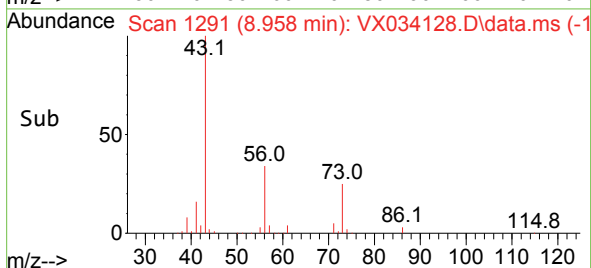
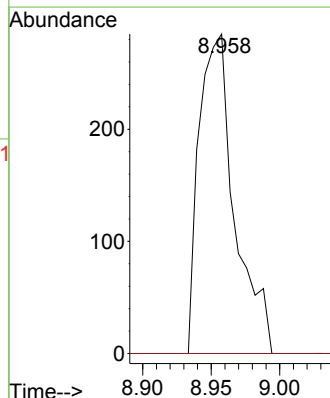
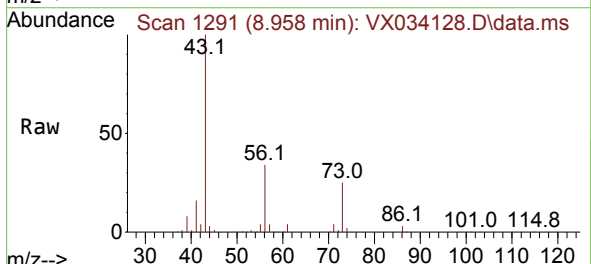
Acq: 10 Feb 2023 20:31

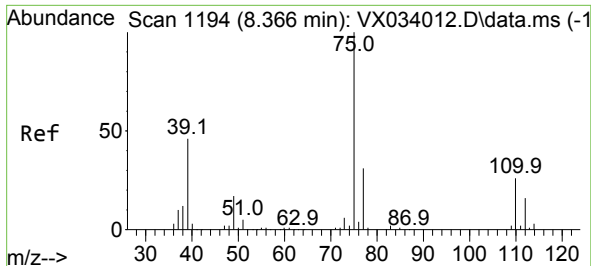
Tgt Ion: 75 Resp: 515

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

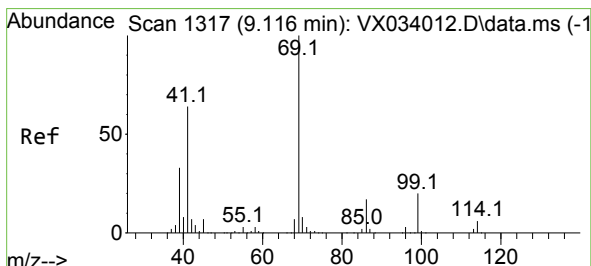
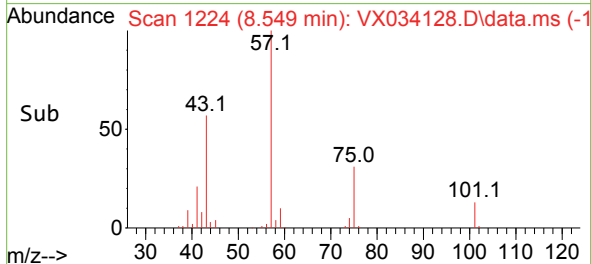
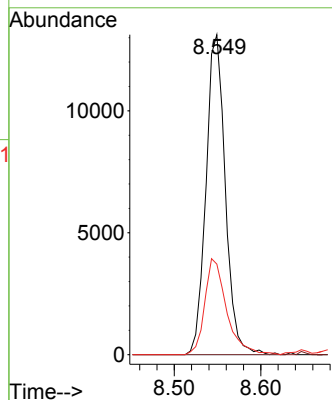
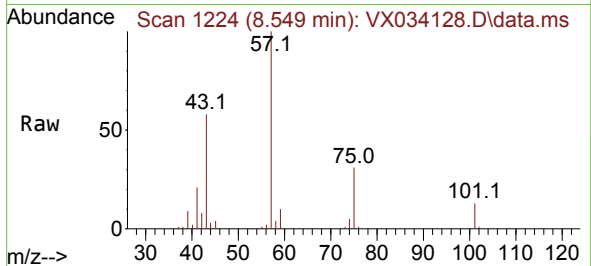




#54
 cis-1,3-Dichloropropene
 Concen: 13.366 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX034128.D
 Acq: 10 Feb 2023 20:31

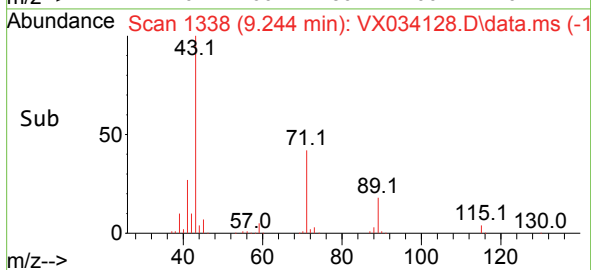
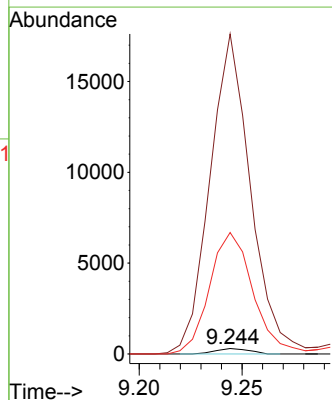
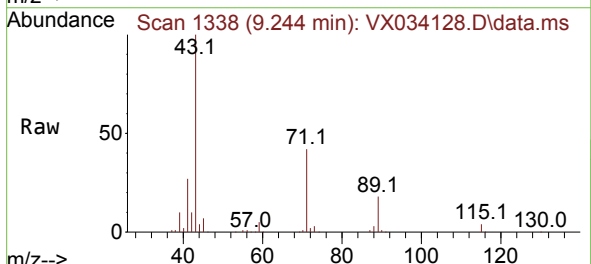
Instrument :
 MSVOA_X
 ClientSampleId :
 JPP-39-020723

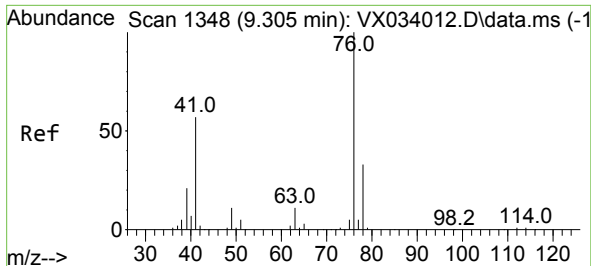
Tgt Ion: 75 Resp: 20312
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 28.3 38.6 58.0#



#56
 Ethyl methacrylate
 Concen: 0.236 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX034128.D
 Acq: 10 Feb 2023 20:31

Tgt Ion: 69 Resp: 338
 Ion Ratio Lower Upper
 69 100
 41 7180.8 55.1 82.7#
 39 2912.7 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.545 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034128.D

Acq: 10 Feb 2023 20:31

Instrument :

MSVOA_X

ClientSampleId :

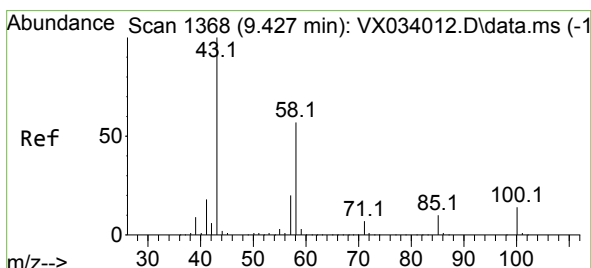
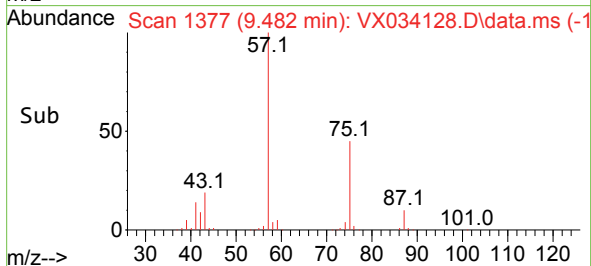
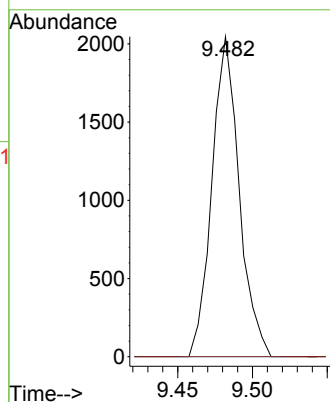
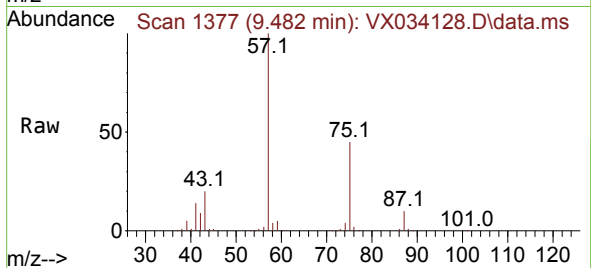
JPP-39-020723

Tgt Ion: 76 Resp: 2589

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 37.178 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034128.D

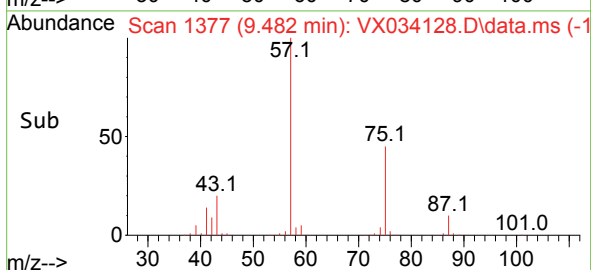
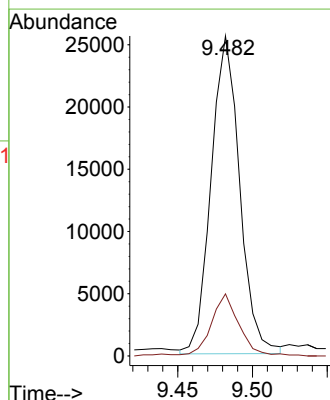
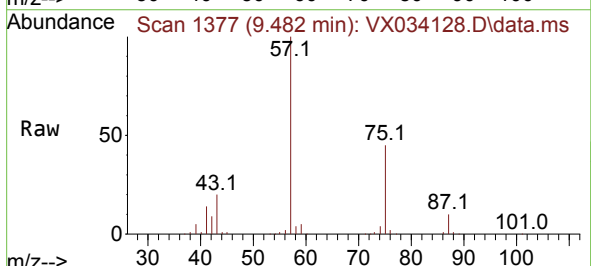
Acq: 10 Feb 2023 20:31

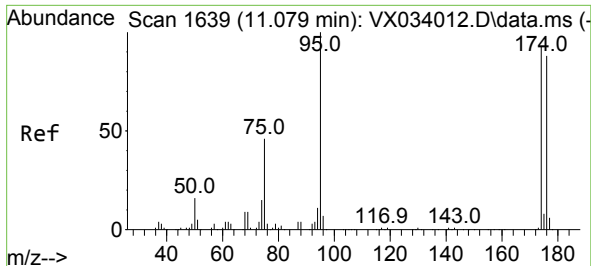
Tgt Ion: 43 Resp: 33968

Ion Ratio Lower Upper

43 100

58 18.9 27.4 82.0#

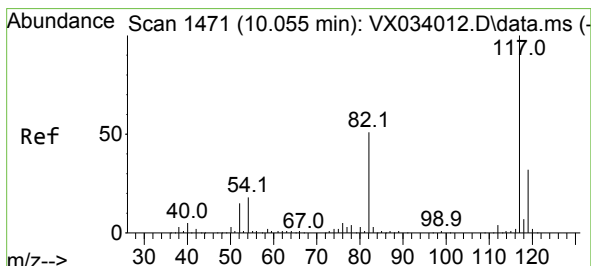
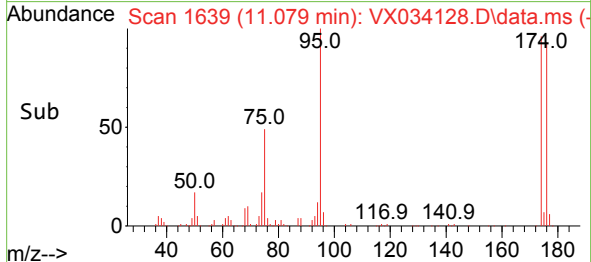
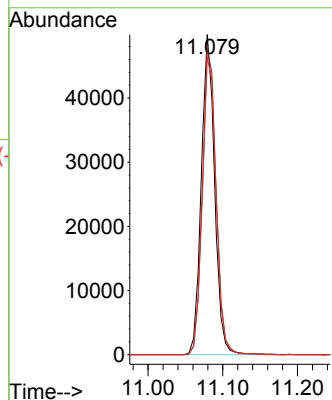
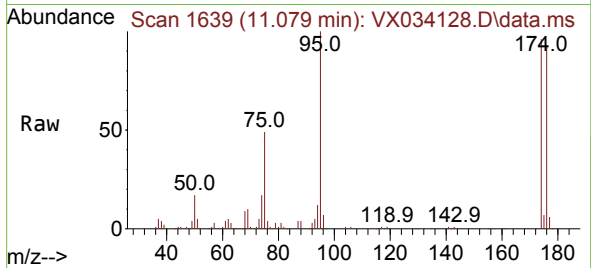




#62
4-Bromofluorobenzene
Concen: 47.867 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

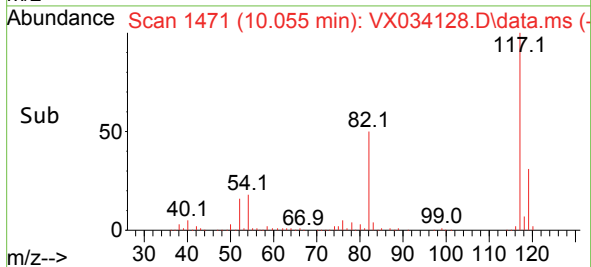
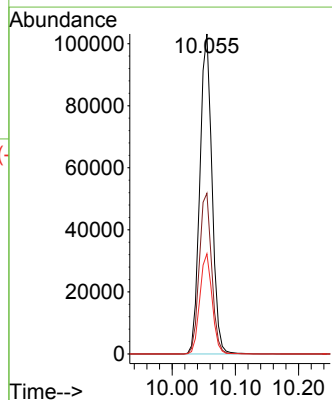
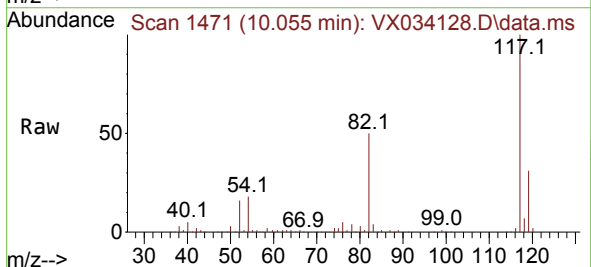
Instrument :
MSVOA_X
ClientSampleId :
JPP-39-020723

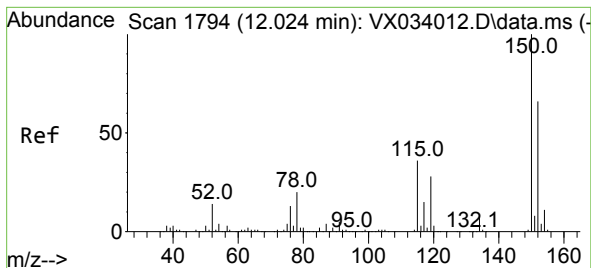
Tgt Ion: 95 Resp: 61550
Ion Ratio Lower Upper
95 100
174 99.4 0.0 184.4
176 96.4 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

Tgt Ion: 117 Resp: 138020
Ion Ratio Lower Upper
117 100
82 50.2 40.6 60.8
119 31.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX034128.D

Acq: 10 Feb 2023 20:31

Instrument :

MSVOA_X

ClientSampleId :

JPP-39-020723

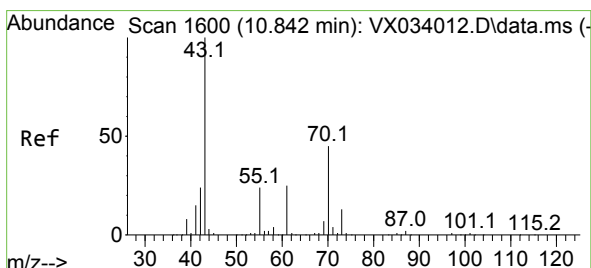
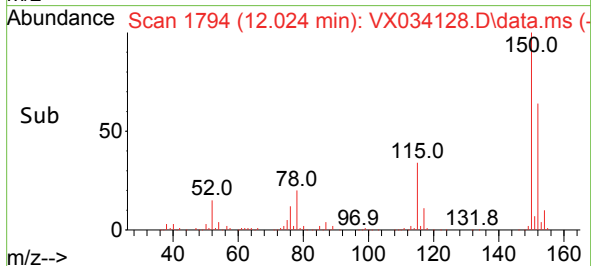
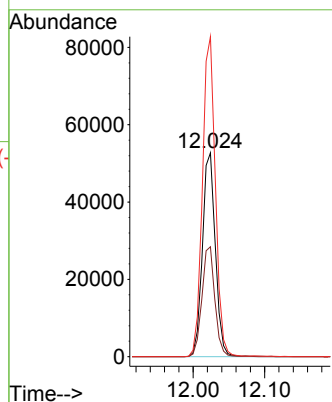
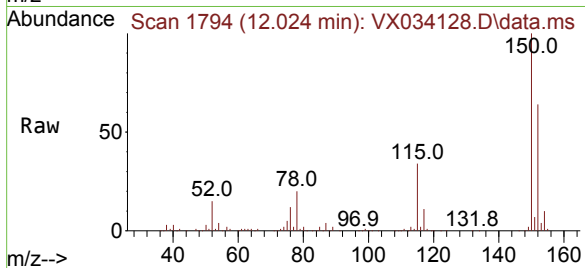
Tgt Ion:152 Resp: 66233

Ion Ratio Lower Upper

152 100

115 54.1 38.7 116.1

150 156.6 0.0 348.2



#74

N-ethyl acetate

Concen: 8.069 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX034128.D

Acq: 10 Feb 2023 20:31

Tgt Ion: 43 Resp: 11767

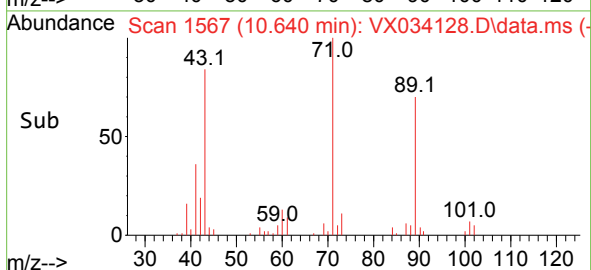
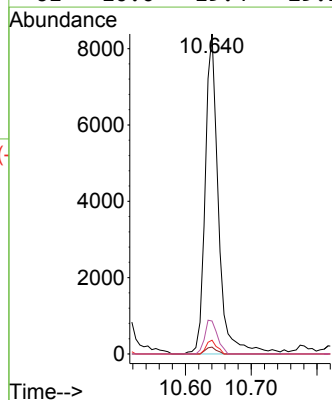
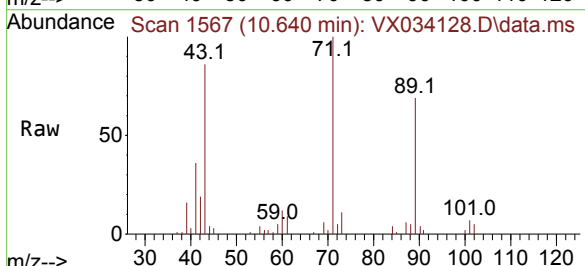
Ion Ratio Lower Upper

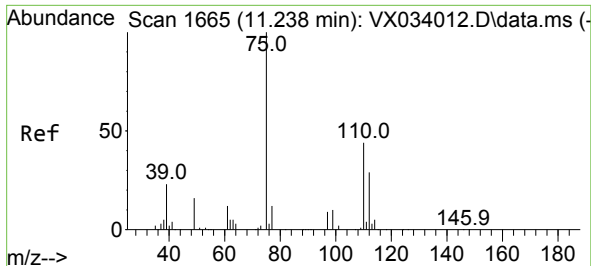
43 100

70 1.8 34.8 52.2#

55 3.4 19.4 29.0#

61 10.0 19.4 29.2#

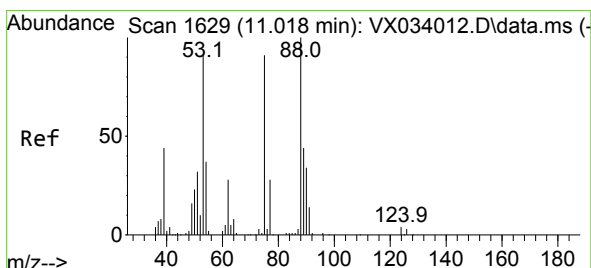
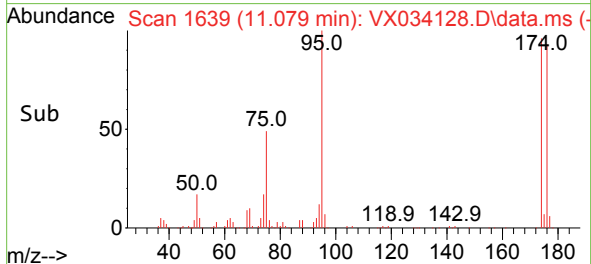
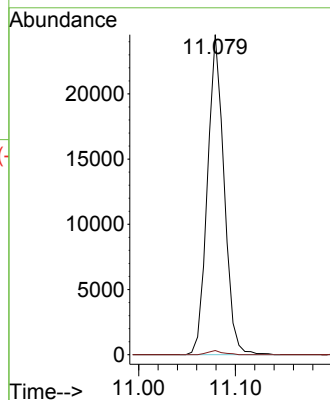
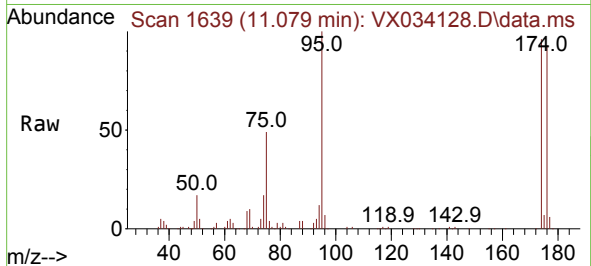




#76
1,2,3-Trichloropropane
Concen: 25.858 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

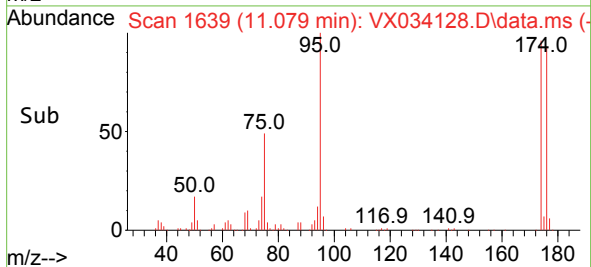
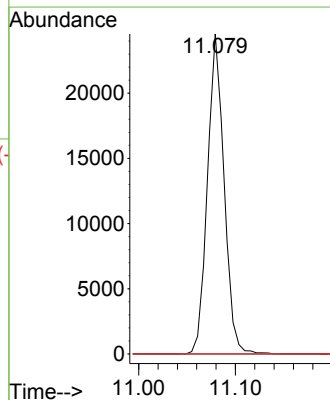
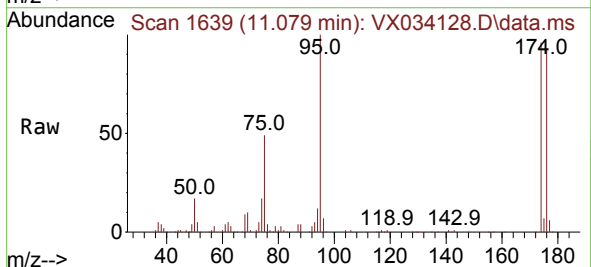
Instrument :
MSVOA_X
ClientSampleId :
JPP-39-020723

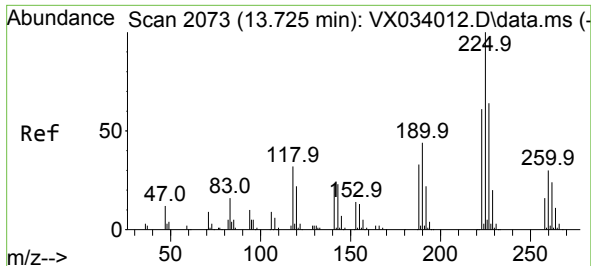
Tgt Ion: 75 Resp: 29408
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.634 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

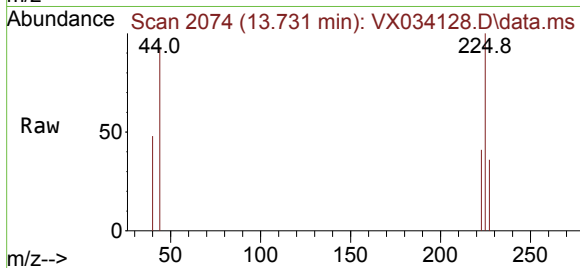
Tgt Ion: 75 Resp: 29408
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



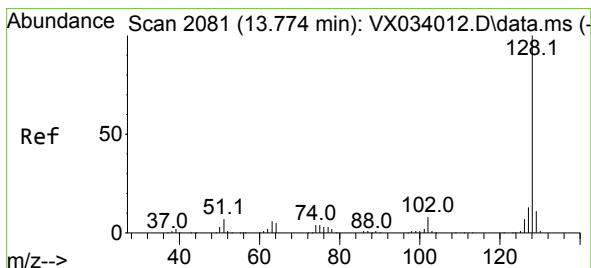
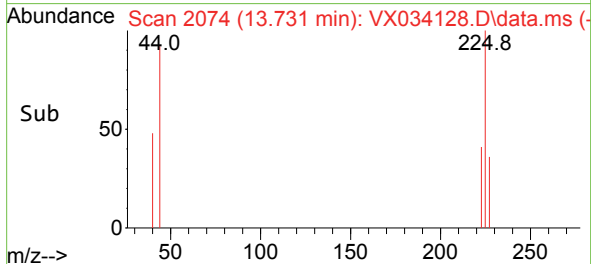
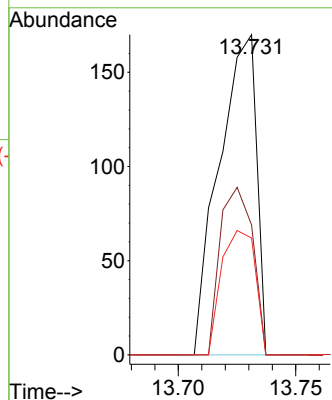


#94
Hexachlorobutadiene
Concen: 0.245 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

Instrument :
MSVOA_X
ClientSampleId :
JPP-39-020723



Tgt Ion:225 Resp: 188
Ion Ratio Lower Upper
225 100
223 45.7 31.3 93.9
227 35.1 32.3 96.9



#95
Naphthalene
Concen: 0.352 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX034128.D
Acq: 10 Feb 2023 20:31

Tgt Ion:128 Resp: 1499
Ion Ratio Lower Upper
128 100
127 16.5 10.3 15.5#
129 12.1 8.7 13.1

