

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051722\
 Data File : VX028791.D
 Acq On : 18 May 2022 04:55
 Operator : JC/MD
 Sample : N2882-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SLP-2

Quant Time: May 18 07:16:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

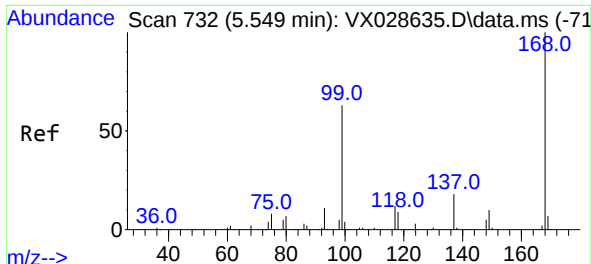
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	330144	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	591104	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	544813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	247614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	240678	53.183	ug/l	0.00
Spiked Amount 50.000	Range	61 - 141	Recovery	= 106.360%		
35) Dibromofluoromethane	5.391	113	196822	50.821	ug/l	0.00
Spiked Amount 50.000	Range	69 - 133	Recovery	= 101.640%		
50) Toluene-d8	8.653	98	693678	47.508	ug/l	0.00
Spiked Amount 50.000	Range	65 - 126	Recovery	= 95.020%		
62) 4-Bromofluorobenzene	11.079	95	263887	48.387	ug/l	0.00
Spiked Amount 50.000	Range	58 - 135	Recovery	= 96.780%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	518	Below Cal	#	79
6) Chloroethane	1.691	64	61	Below Cal	#	43
11) Tert butyl alcohol	2.946	59	7359	Below Cal	#	72
16) Acetone	2.379	43	65314	33.628	ug/l	92
17) Carbon Disulfide	2.514	76	2523	0.285	ug/l	97
18) Methyl Acetate	2.703	43	3042	0.625	ug/l	90
20) Methylene Chloride	2.788	84	25285	6.205	ug/l	96
25) 2-Butanone	4.562	43	16235	5.325	ug/l	95
31) Cyclohexane	5.556	56	7790	1.240	ug/l	# 10
36) 1,1-Dichloropropene	5.556	75	27970	4.808	ug/l	# 49
37) Ethyl Acetate	4.562	43	16235	2.672	ug/l	# 65
38) Carbon Tetrachloride	5.556	117	35956	6.142	ug/l	# 15
43) Isopropyl Acetate	6.348	43	21475	2.259	ug/l	95
48) Methyl methacrylate	7.598	41	7363	1.604	ug/l	# 7
49) 1,4-Dioxane	7.799	88	59	0.514	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	90914	14.521	ug/l	# 44
52) Toluene	8.720	92	20730	1.928	ug/l	94
53) t-1,3-Dichloropropene	8.720	75	293	1.683	ug/l	# 1
54) cis-1,3-Dichloropropene	8.549	75	43221	6.642	ug/l	# 72
57) 1,3-Dichloropropane	9.482	76	17756	2.401	ug/l	# 43
59) 2-Hexanone	9.482	43	227667	46.804	ug/l	# 43
67) Ethyl Benzene	10.195	91	5869	0.283	ug/l	99
68) m/p-Xylenes	10.305	106	8510	1.055	ug/l	92
69) o-Xylene	10.646	106	4734	0.596	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	143162	24.688	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	143162	71.819	ug/l	# 15

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

Quant Time: May 18 07:16:47 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

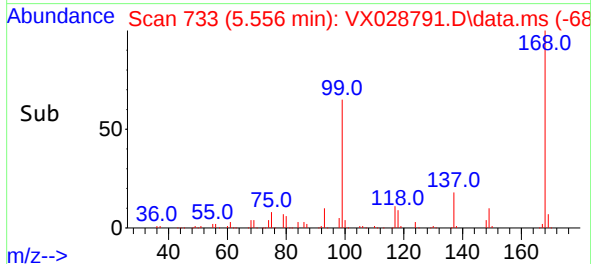
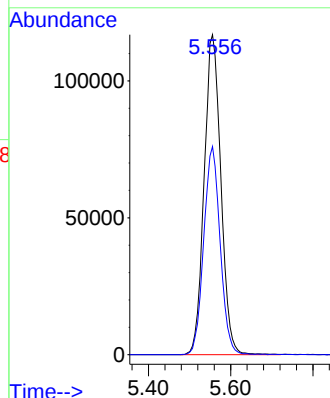
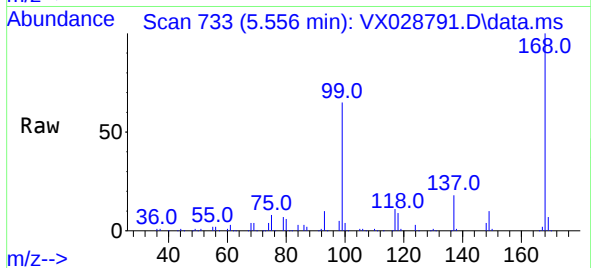




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028791.D
Acq: 18 May 2022 04:55

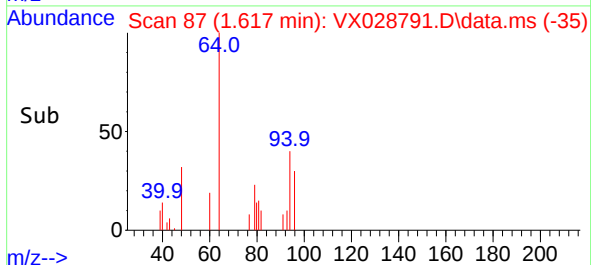
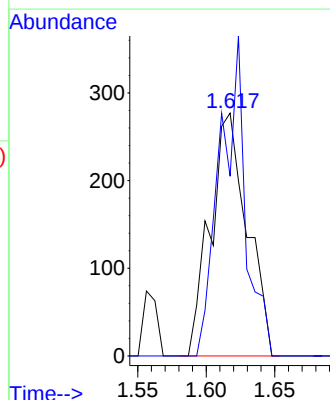
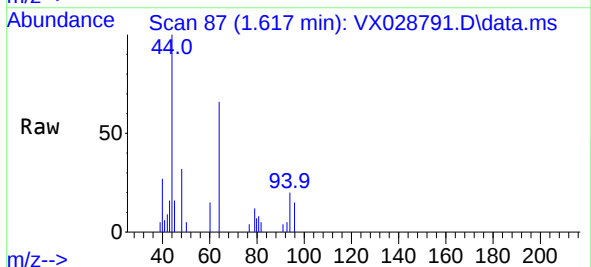
Instrument :
MSVOA_X
ClientSampleId :
SLP-2

Tgt Ion:168 Resp: 330144
Ion Ratio Lower Upper
168 100
99 65.0 41.7 62.5#

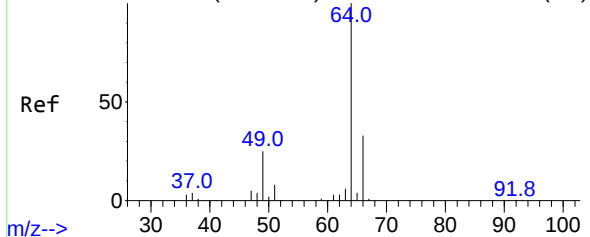


#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX028791.D
Acq: 18 May 2022 04:55

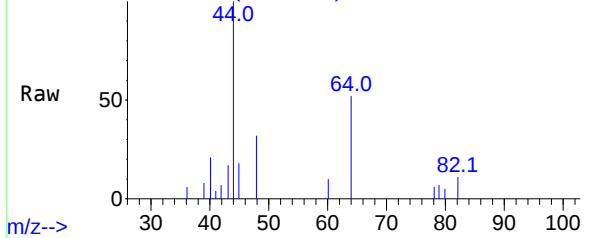
Tgt Ion: 94 Resp: 518
Ion Ratio Lower Upper
94 100
96 74.0 75.3 112.9#



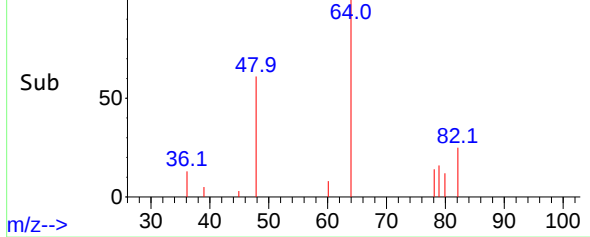
Abundance Scan 97 (1.678 min): VX028635.D\data.ms (-90)



Abundance Scan 99 (1.691 min): VX028791.D\data.ms



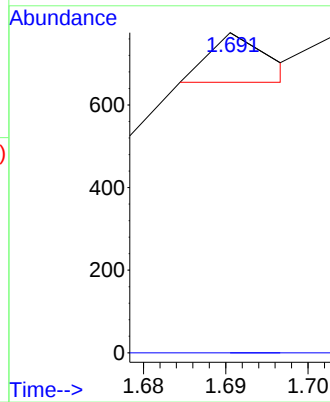
Abundance Scan 99 (1.691 min): VX028791.D\data.ms (-48)



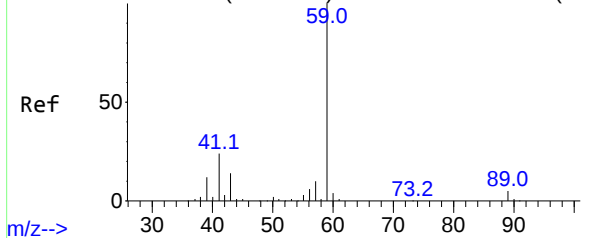
#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 91
Delta R.T. 0.013 min
Lab File: VX028791.D
Acq: 18 May 2022 04:55

Instrument :
MSVOA_X
ClientSampleId :
SLP-2

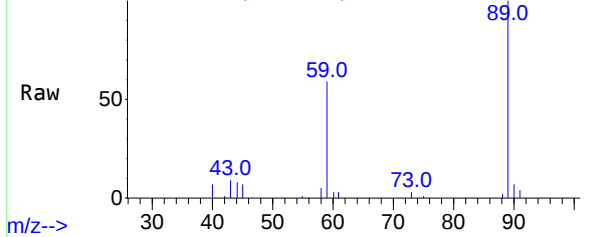
Tgt Ion: 64 Resp: 61
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



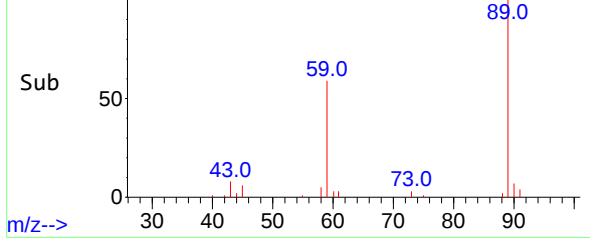
Abundance Scan 307 (2.958 min): VX028635.D\data.ms (-29)



Abundance Scan 305 (2.946 min): VX028791.D\data.ms

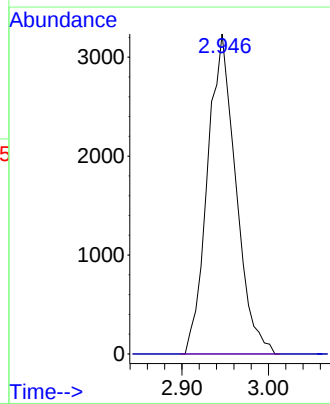


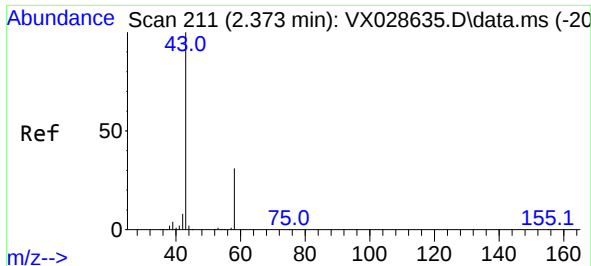
Abundance Scan 305 (2.946 min): VX028791.D\data.ms (-25)



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX028791.D
Acq: 18 May 2022 04:55

Tgt Ion: 59 Resp: 7359
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

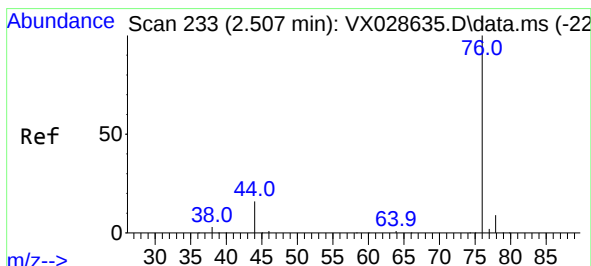
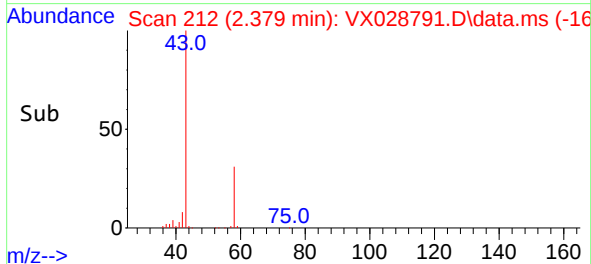
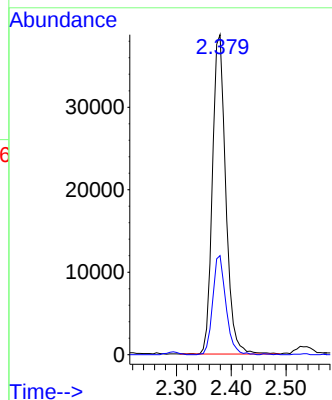
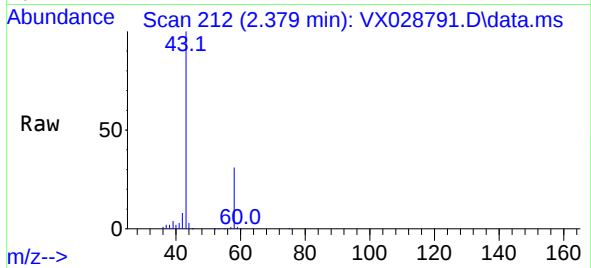




#16
Acetone
Concen: 33.628 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX028791.D
Acq: 18 May 2022 04:55

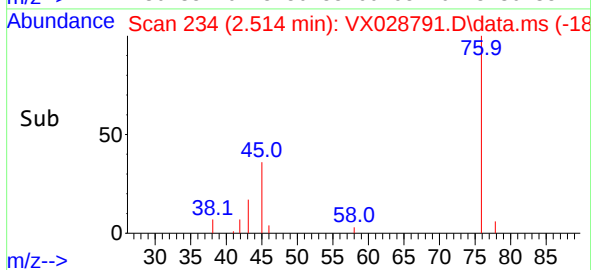
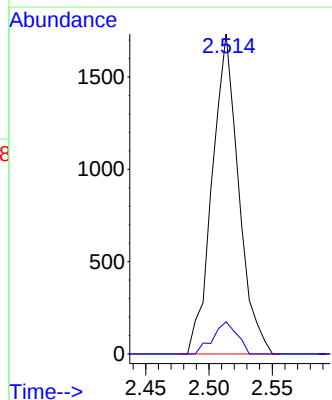
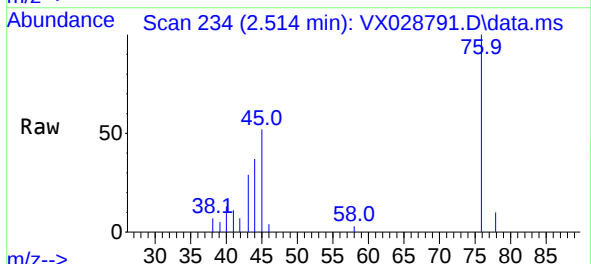
Instrument :
MSVOA_X
ClientSampleId :
SLP-2

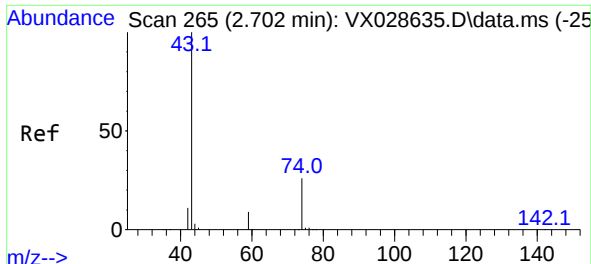
Tgt Ion: 43 Resp: 65314
Ion Ratio Lower Upper
43 100
58 31.0 28.8 43.2



#17
Carbon Disulfide
Concen: 0.285 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.007 min
Lab File: VX028791.D
Acq: 18 May 2022 04:55

Tgt Ion: 76 Resp: 2523
Ion Ratio Lower Upper
76 100
78 10.0 7.2 10.8

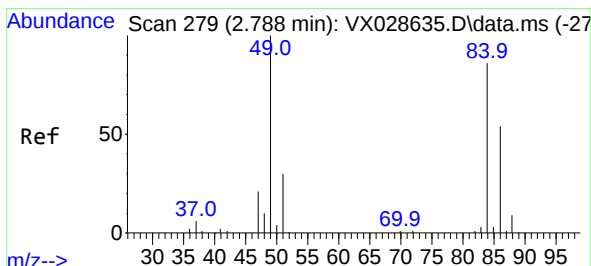
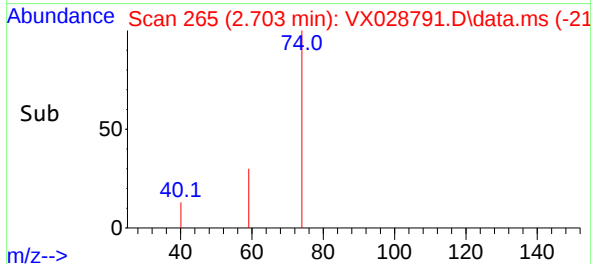
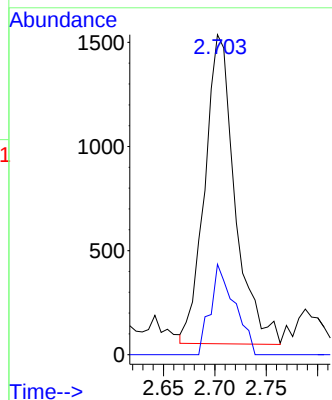
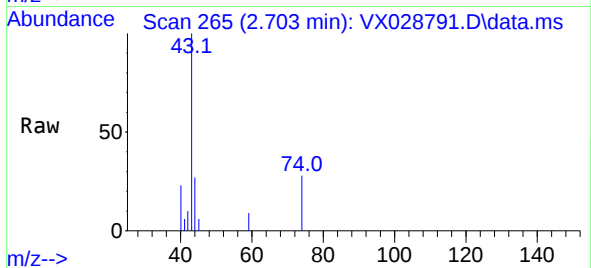




#18
Methyl Acetate
Concen: 0.625 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.001 min
Lab File: VX028791.D
Acq: 18 May 2022 04:55

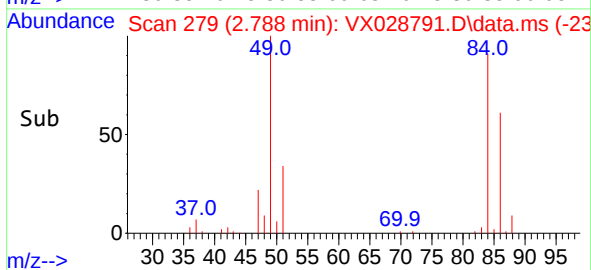
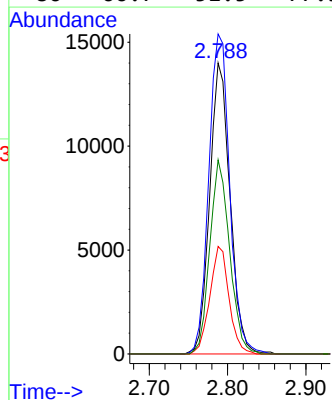
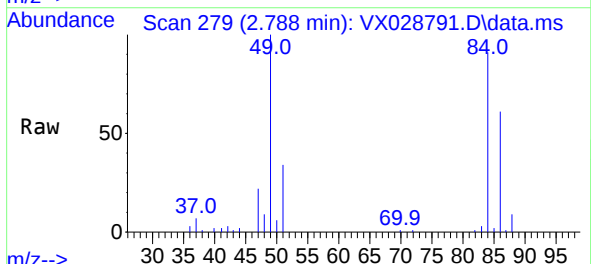
Instrument :
MSVOA_X
ClientSampleId :
SLP-2

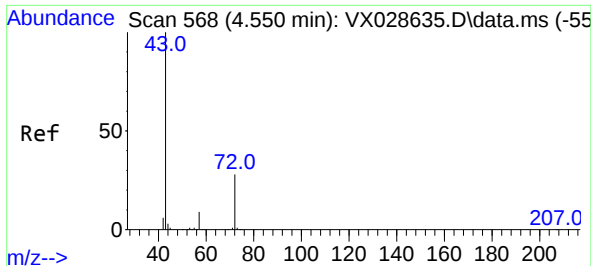
Tgt Ion: 43 Resp: 3042
Ion Ratio Lower Upper
43 100
74 23.3 22.8 34.2



#20
Methylene Chloride
Concen: 6.205 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX028791.D
Acq: 18 May 2022 04:55

Tgt Ion: 84 Resp: 25285
Ion Ratio Lower Upper
84 100
49 109.9 85.5 128.3
51 37.0 26.6 39.8
86 66.7 51.5 77.3

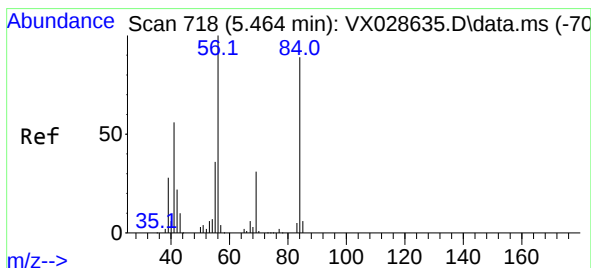
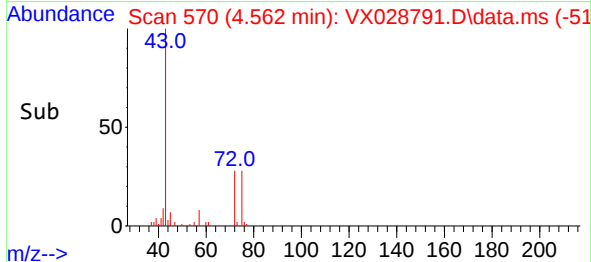
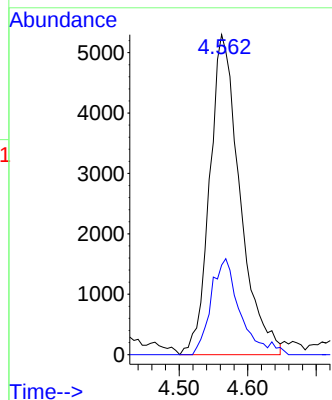
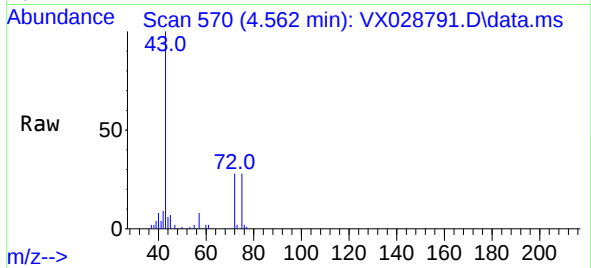




#25
2-Butanone
Concen: 5.325 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX028791.D
Acq: 18 May 2022 04:55

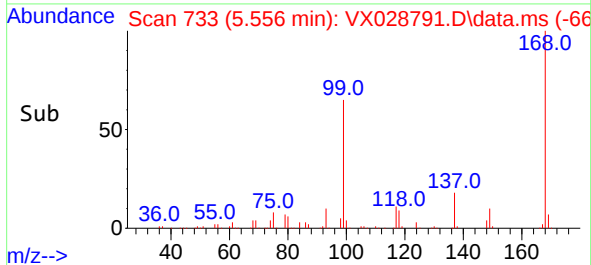
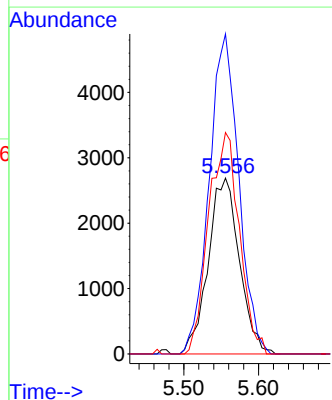
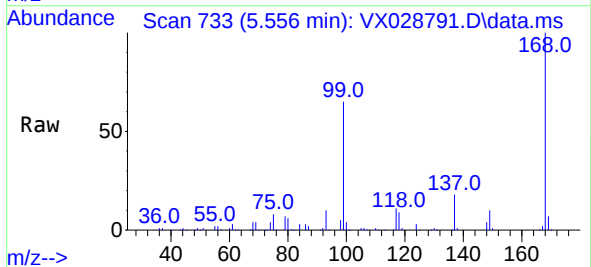
Instrument :
MSVOA_X
ClientSampleId :
SLP-2

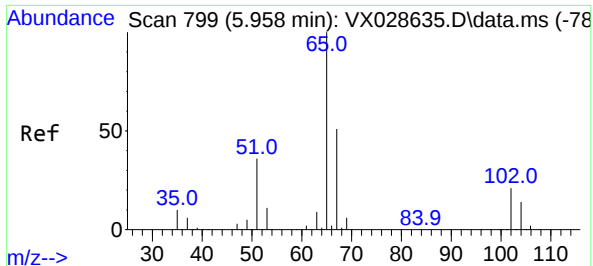
Tgt Ion: 43 Resp: 16235
Ion Ratio Lower Upper
43 100
72 28.0 24.4 36.6



#31
Cyclohexane
Concen: 1.240 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.092 min
Lab File: VX028791.D
Acq: 18 May 2022 04:55

Tgt Ion: 56 Resp: 7790
Ion Ratio Lower Upper
56 100
69 182.0 26.7 40.1#
84 125.9 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 53.183 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028791.D

Acq: 18 May 2022 04:55

Instrument :

MSVOA_X

ClientSampleId :

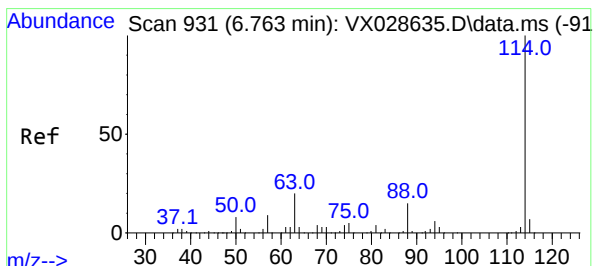
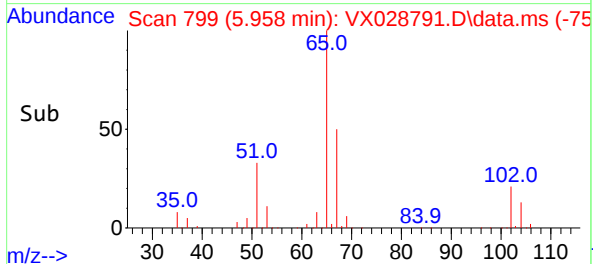
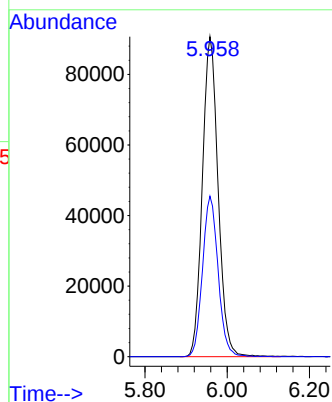
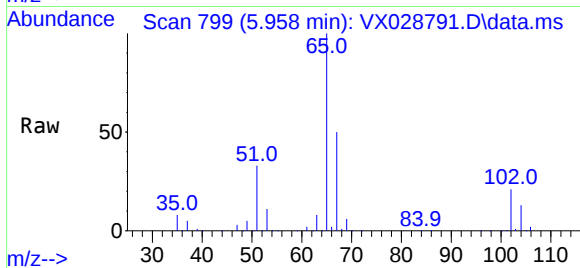
SLP-2

Tgt Ion: 65 Resp: 240678

Ion Ratio Lower Upper

65 100

67 49.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028791.D

Acq: 18 May 2022 04:55

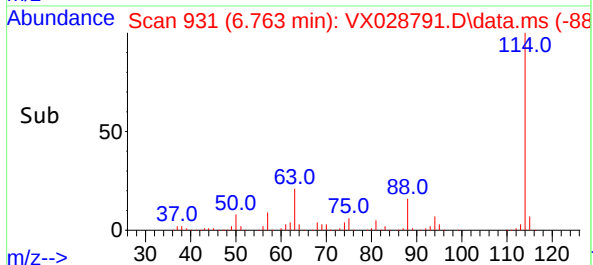
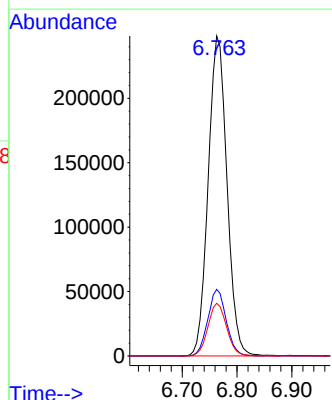
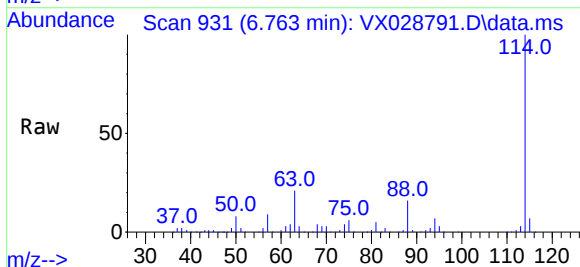
Tgt Ion: 114 Resp: 591104

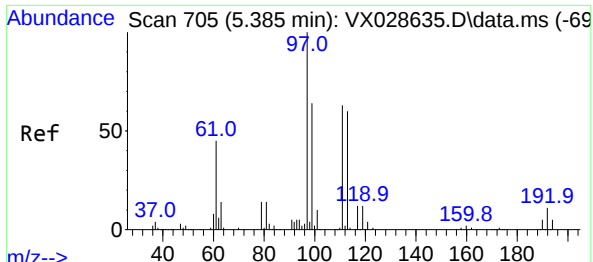
Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.8

88 16.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.821 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028791.D

Acq: 18 May 2022 04:55

Instrument :

MSVOA_X

ClientSampleId :

SLP-2

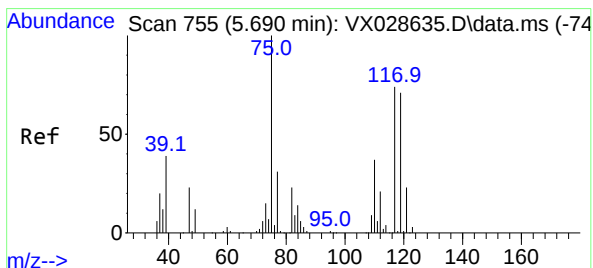
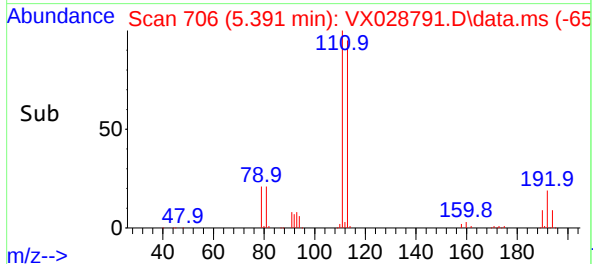
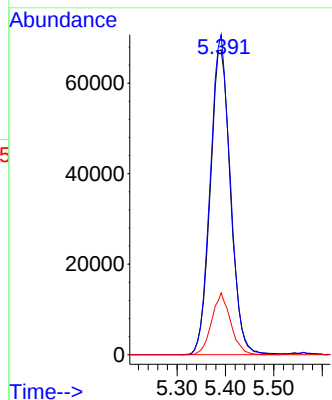
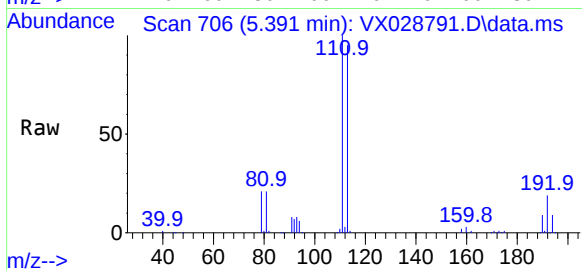
Tgt Ion:113 Resp: 196822

Ion Ratio Lower Upper

113 100

111 103.0 82.8 124.2

192 18.8 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.808 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX028791.D

Acq: 18 May 2022 04:55

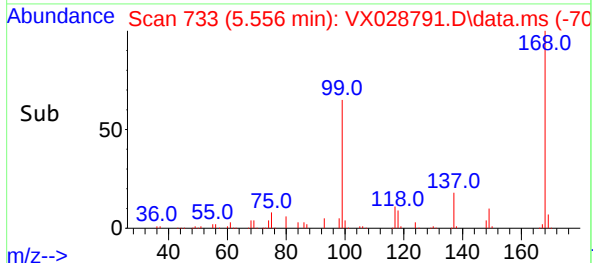
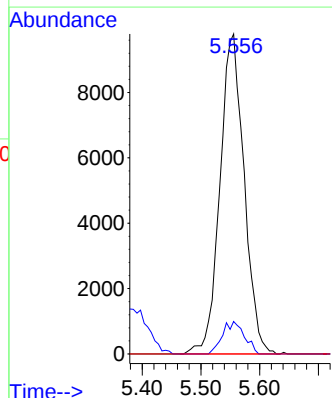
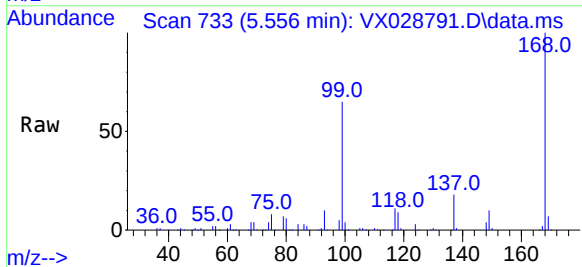
Tgt Ion: 75 Resp: 27970

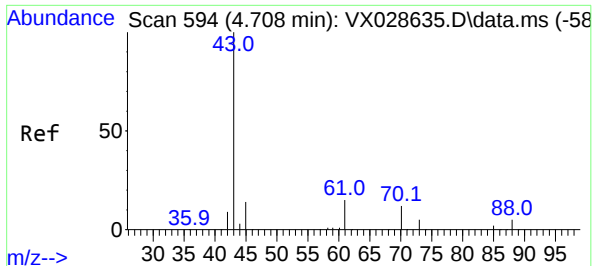
Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 2.672 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.146 min

Lab File: VX028791.D

Acq: 18 May 2022 04:55

Instrument :

MSVOA_X

ClientSampleId :

SLP-2

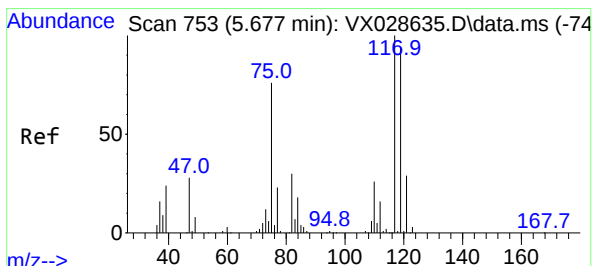
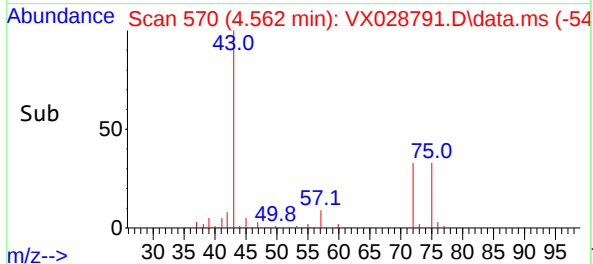
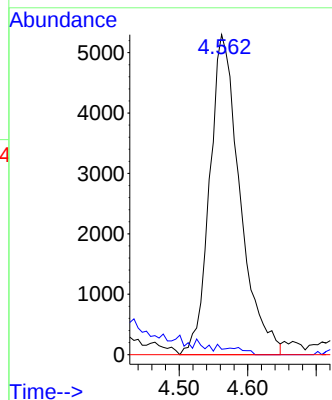
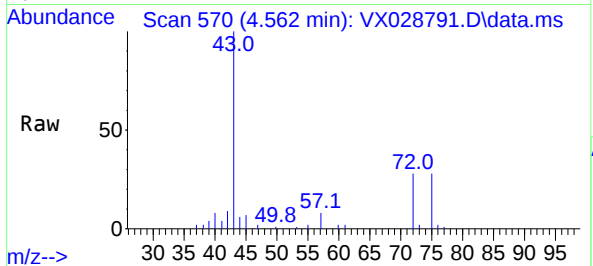
Tgt Ion: 43 Resp: 16235

Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

70 0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 6.142 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.121 min

Lab File: VX028791.D

Acq: 18 May 2022 04:55

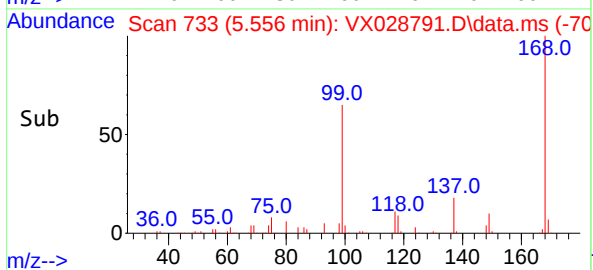
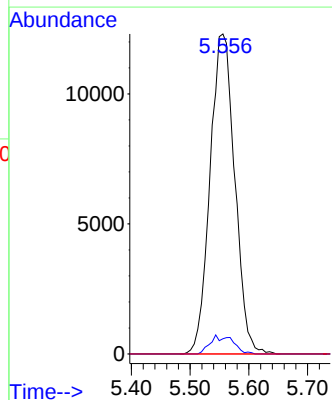
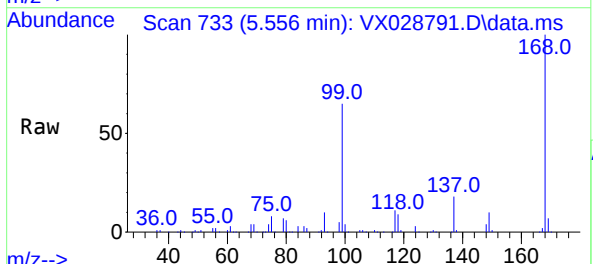
Tgt Ion: 117 Resp: 35956

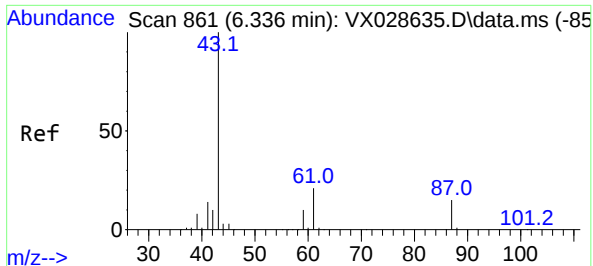
Ion Ratio Lower Upper

117 100

119 4.8 77.3 115.9#

121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 2.259 ug/l

RT: 6.348 min Scan# 8

Delta R.T. 0.012 min

Lab File: VX028791.D

Acq: 18 May 2022 04:55

Instrument :

MSVOA_X

ClientSampleId :

SLP-2

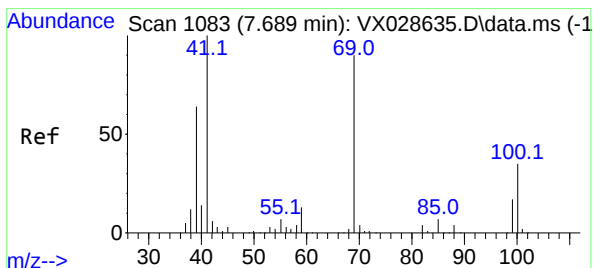
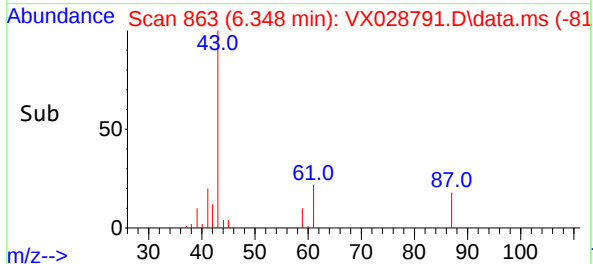
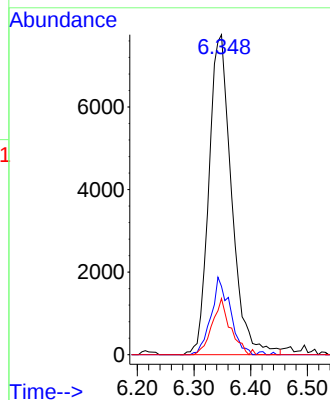
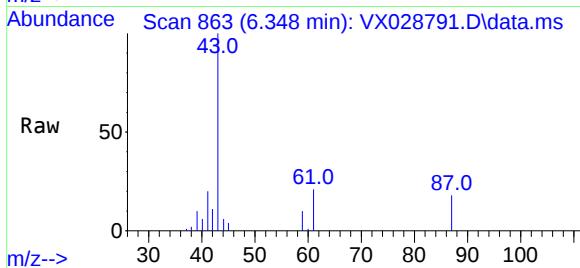
Tgt Ion: 43 Resp: 21475

Ion Ratio Lower Upper

43 100

61 20.5 18.5 27.7

87 13.9 13.0 19.6



#48

Methyl methacrylate

Concen: 1.604 ug/l

RT: 7.598 min Scan# 1068

Delta R.T. -0.091 min

Lab File: VX028791.D

Acq: 18 May 2022 04:55

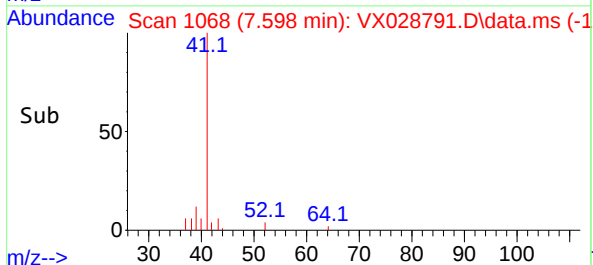
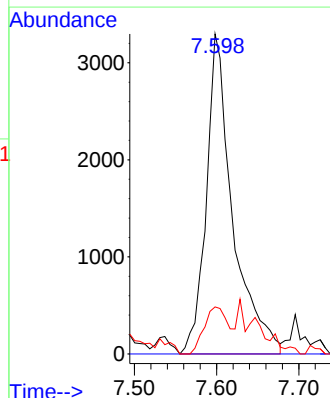
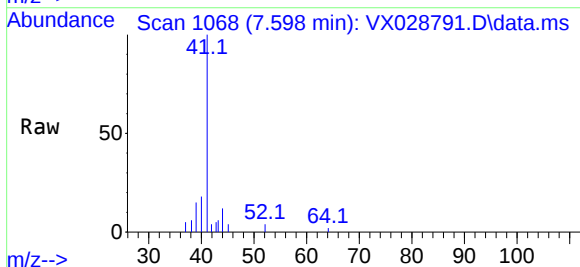
Tgt Ion: 41 Resp: 7363

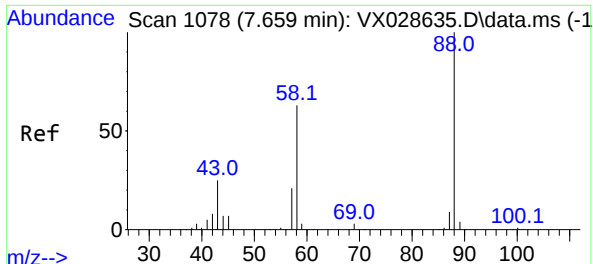
Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 0.0 43.8 65.8#

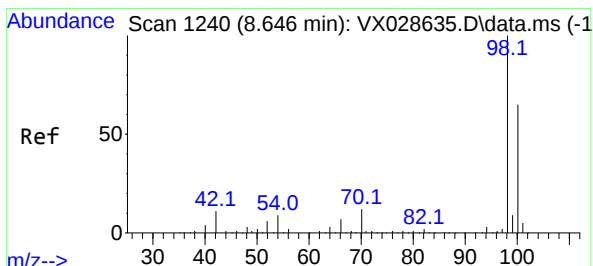
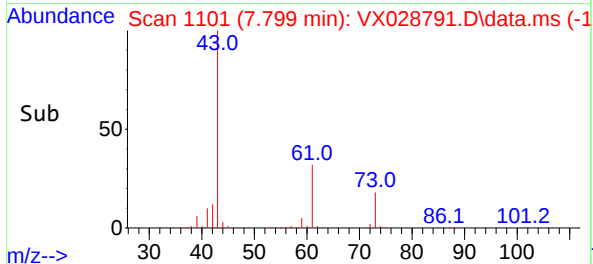
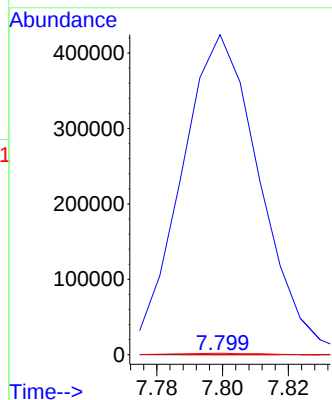
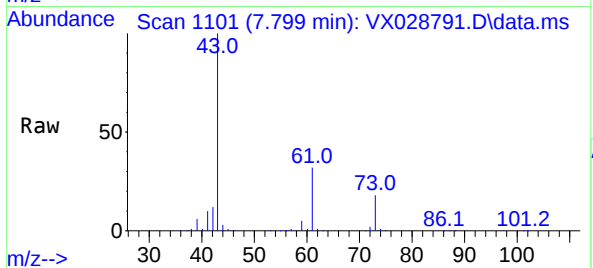




#49
1,4-Dioxane
Concen: 0.514 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX028791.D
Acq: 18 May 2022 04:55

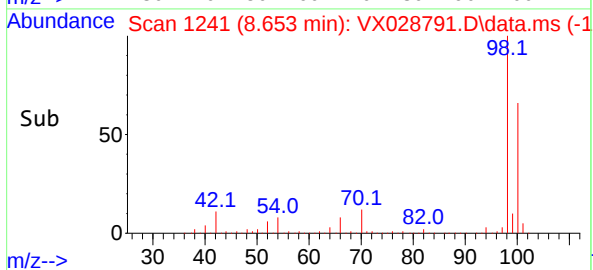
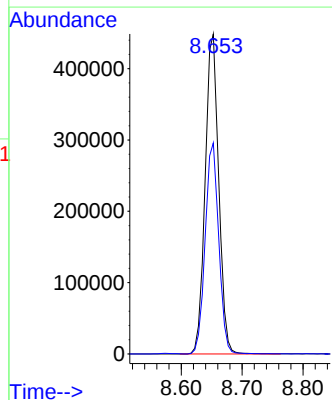
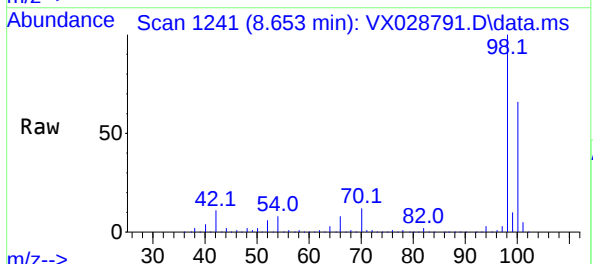
Instrument :
MSVOA_X
ClientSampleId :
SLP-2

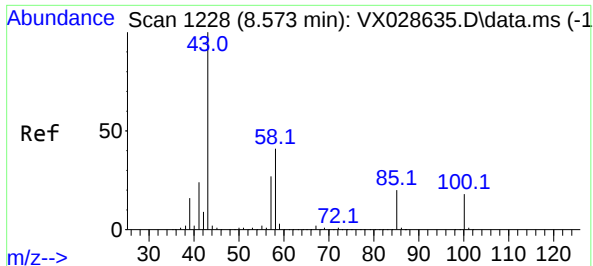
Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 1222547.5 21.9 32.9#
58 5525.4 53.7 80.5#



#50
Toluene-d8
Concen: 47.508 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028791.D
Acq: 18 May 2022 04:55

Tgt Ion: 98 Resp: 693678
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 14.521 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX028791.D

Acq: 18 May 2022 04:55

Instrument :

MSVOA_X

ClientSampleId :

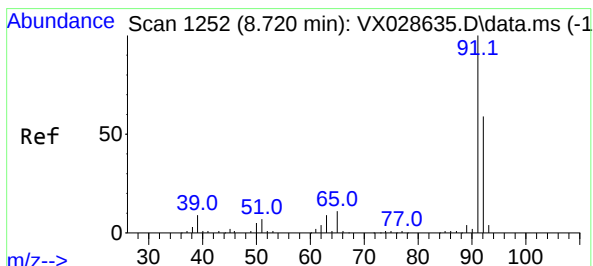
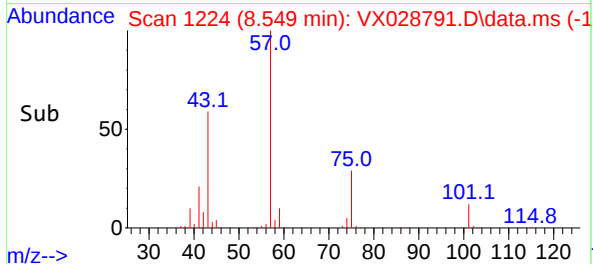
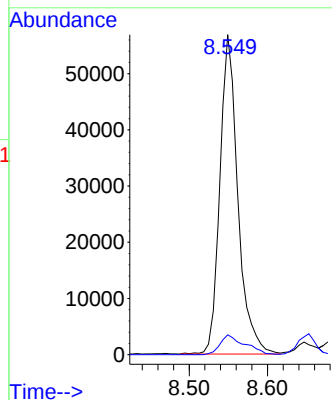
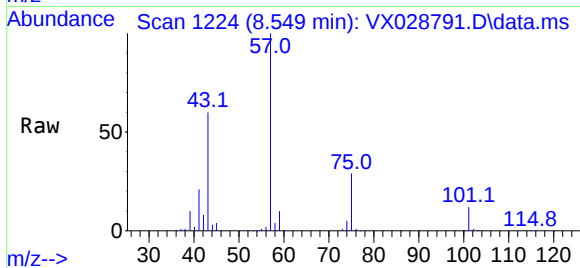
SLP-2

Tgt Ion: 43 Resp: 90914

Ion Ratio Lower Upper

43 100

58 8.6 36.1 54.1#



#52

Toluene

Concen: 1.928 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX028791.D

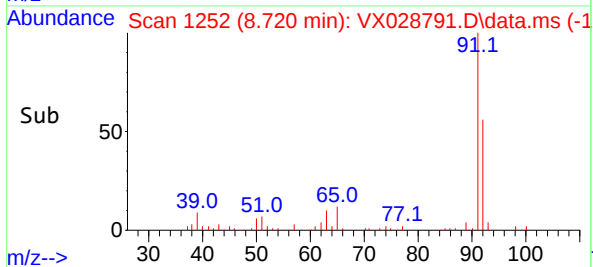
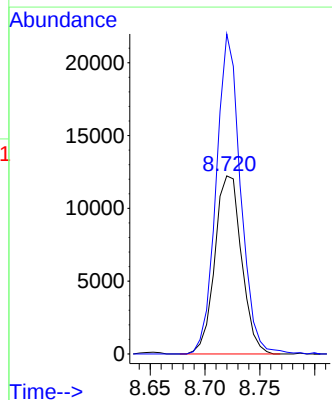
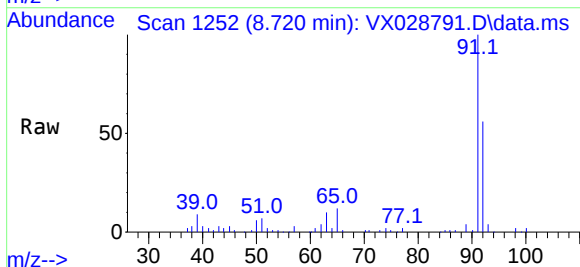
Acq: 18 May 2022 04:55

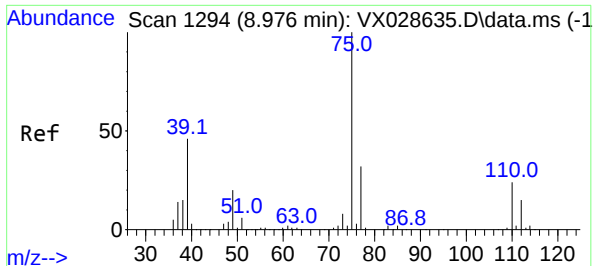
Tgt Ion: 92 Resp: 20730

Ion Ratio Lower Upper

92 100

91 164.2 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 1.683 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.256 min

Lab File: VX028791.D

Acq: 18 May 2022 04:55

Instrument :

MSVOA_X

ClientSampleId :

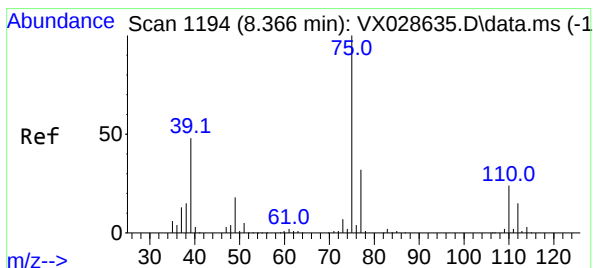
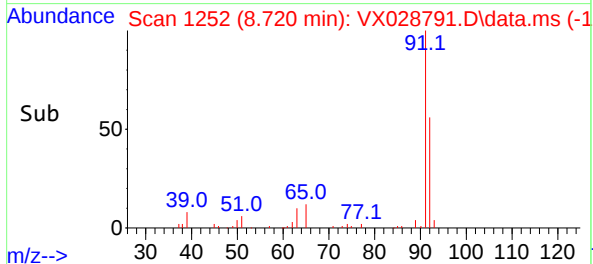
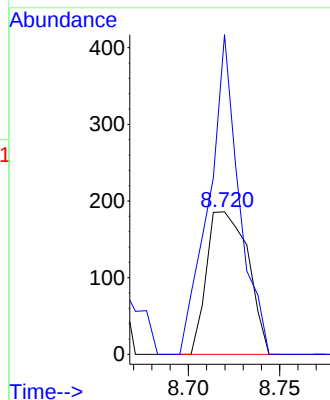
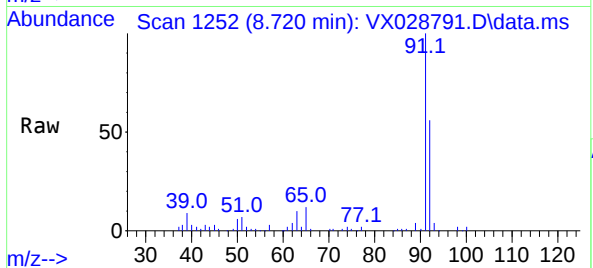
SLP-2

Tgt Ion: 75 Resp: 293

Ion Ratio Lower Upper

75 100

77 224.2 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 6.642 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028791.D

Acq: 18 May 2022 04:55

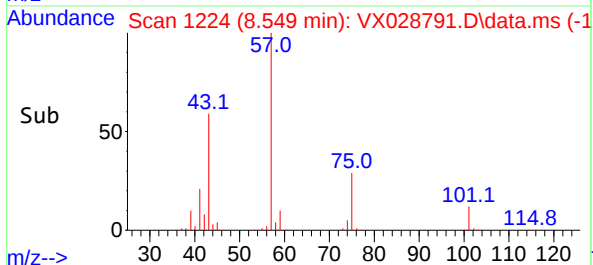
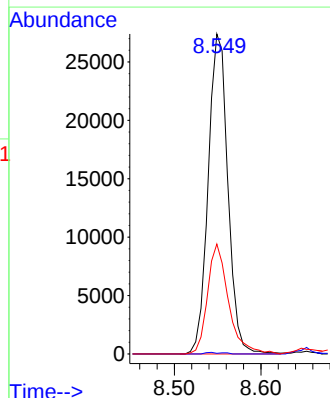
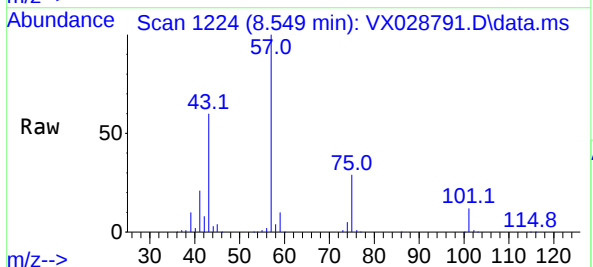
Tgt Ion: 75 Resp: 43221

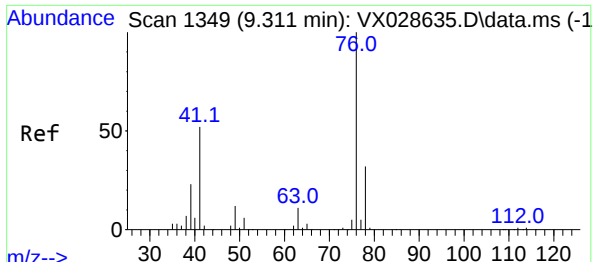
Ion Ratio Lower Upper

75 100

77 0.2 24.8 37.2#

39 34.3 29.6 44.4

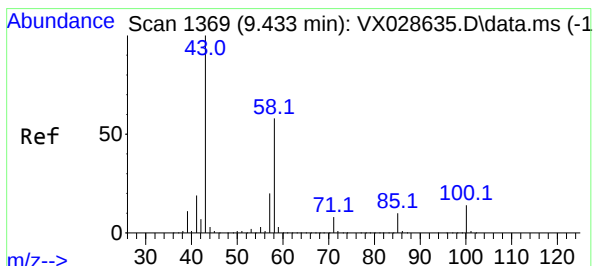
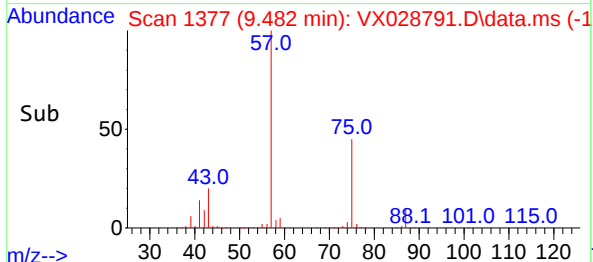
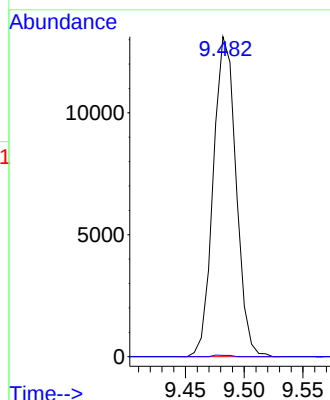
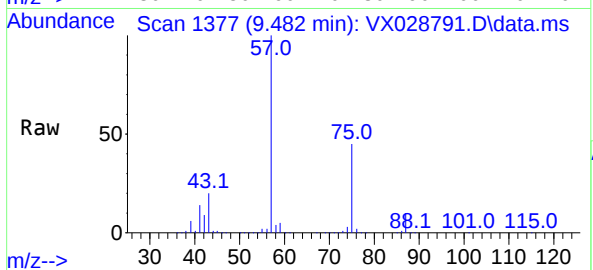




#57
1,3-Dichloropropane
Concen: 2.401 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028791.D
Acq: 18 May 2022 04:55

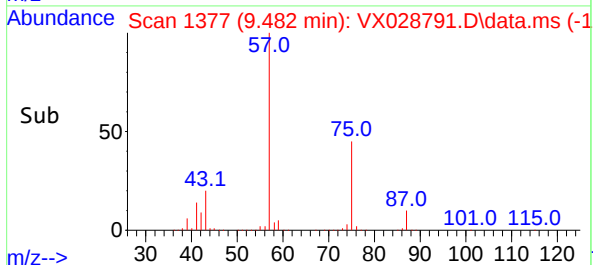
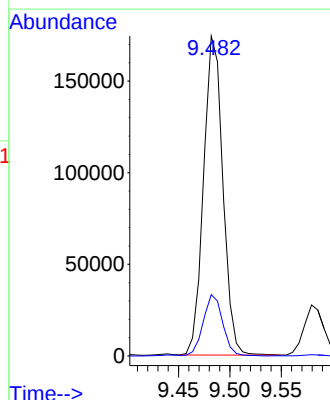
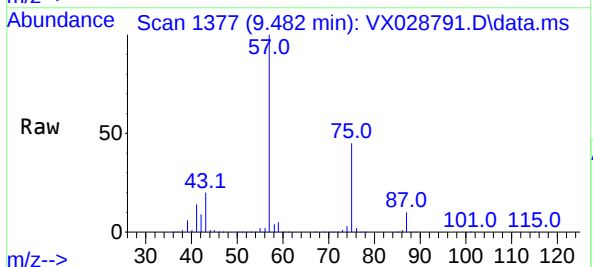
Instrument :
MSVOA_X
ClientSampleId :
SLP-2

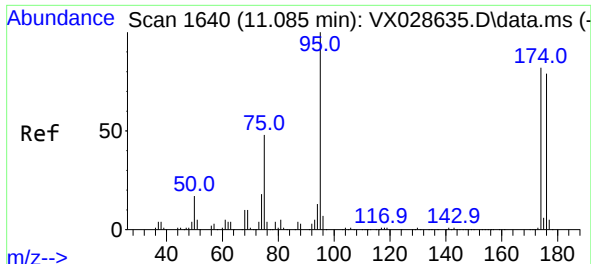
Tgt Ion: 76 Resp: 17756
Ion Ratio Lower Upper
76 100
78 0.4 25.8 38.8#



#59
2-Hexanone
Concen: 46.804 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028791.D
Acq: 18 May 2022 04:55

Tgt Ion: 43 Resp: 227667
Ion Ratio Lower Upper
43 100
58 19.4 31.9 95.7#





#62

4-Bromofluorobenzene

Concen: 48.387 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX028791.D

Acq: 18 May 2022 04:55

Instrument :

MSVOA_X

ClientSampleId :

SLP-2

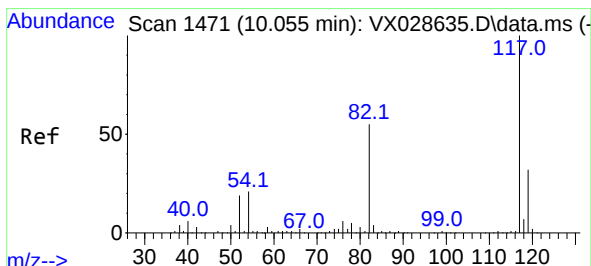
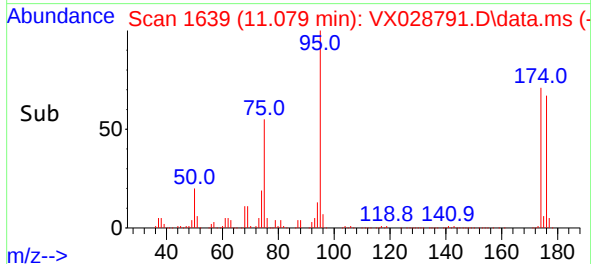
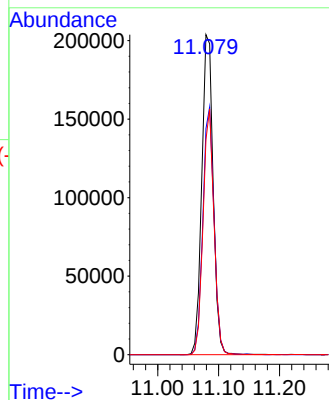
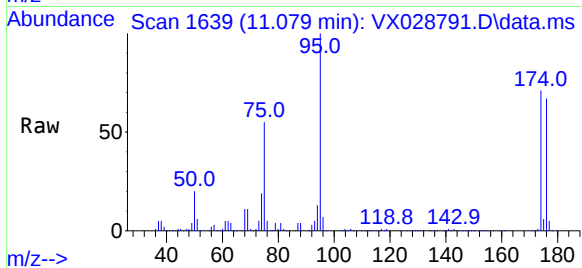
Tgt Ion: 95 Resp: 263887

Ion Ratio Lower Upper

95 100

174 76.1 0.0 163.0

176 73.7 0.0 155.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX028791.D

Acq: 18 May 2022 04:55

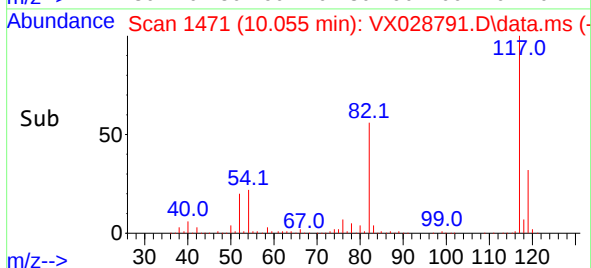
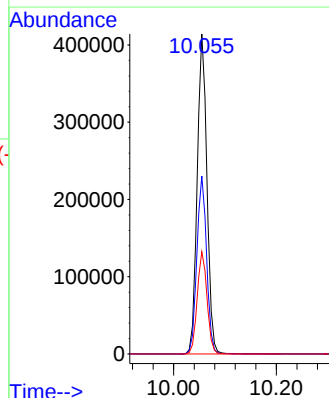
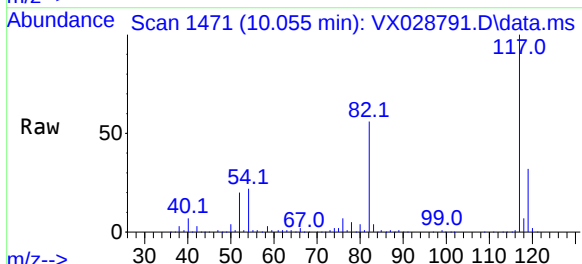
Tgt Ion: 117 Resp: 544813

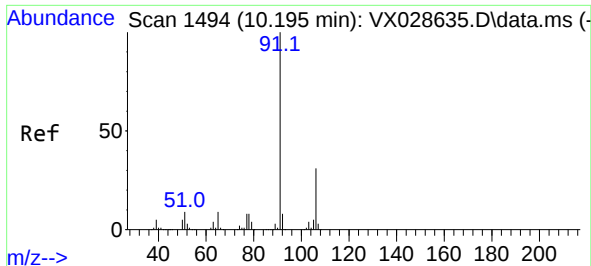
Ion Ratio Lower Upper

117 100

82 55.6 41.8 62.8

119 32.0 24.8 37.2





#67

Ethyl Benzene

Concen: 0.283 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX028791.D

Acq: 18 May 2022 04:55

Instrument :

MSVOA_X

ClientSampleId :

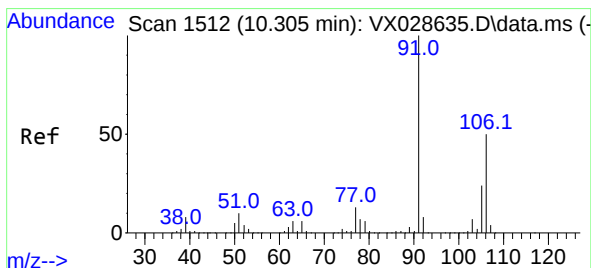
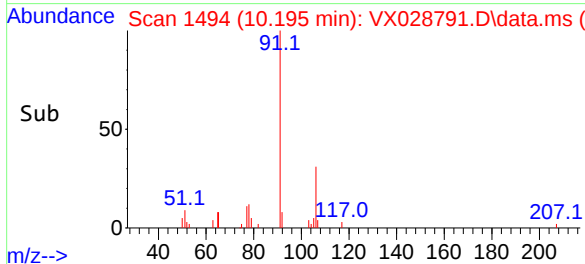
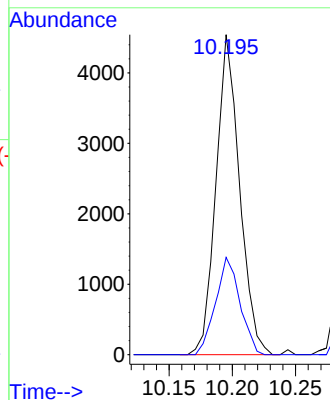
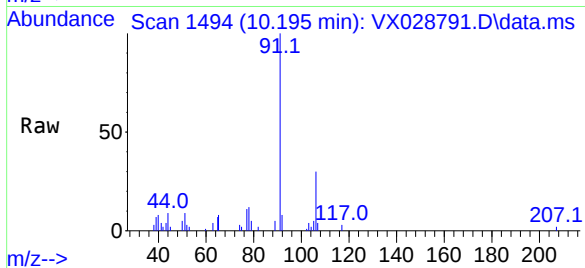
SLP-2

Tgt Ion: 91 Resp: 5869

Ion Ratio Lower Upper

91 100

106 30.4 24.6 36.8



#68

m/p-Xylenes

Concen: 1.055 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX028791.D

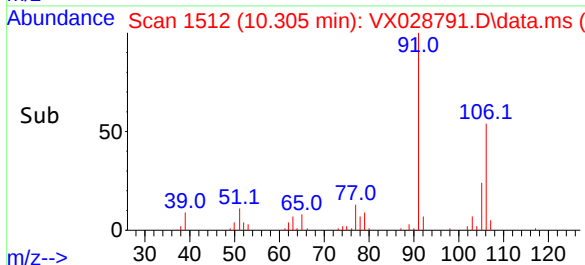
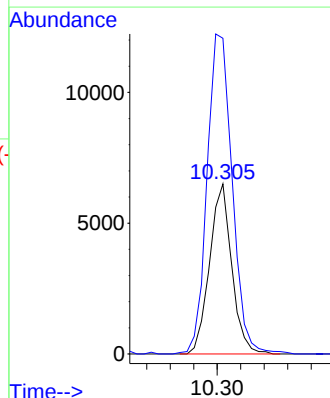
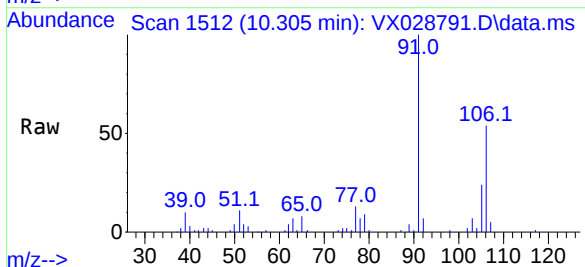
Acq: 18 May 2022 04:55

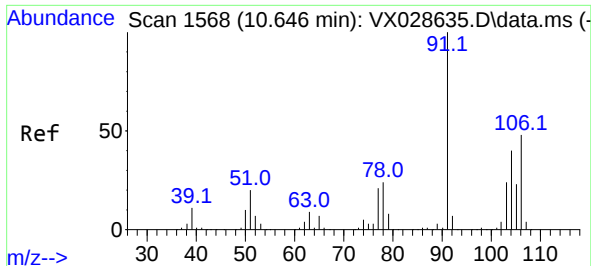
Tgt Ion: 106 Resp: 8510

Ion Ratio Lower Upper

106 100

91 213.4 160.4 240.6

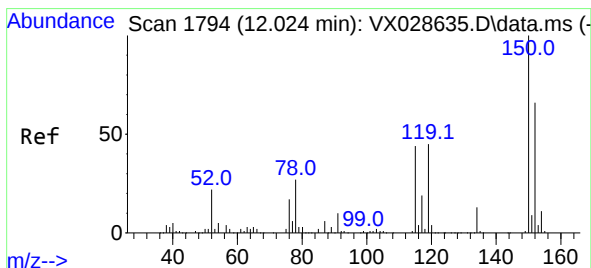
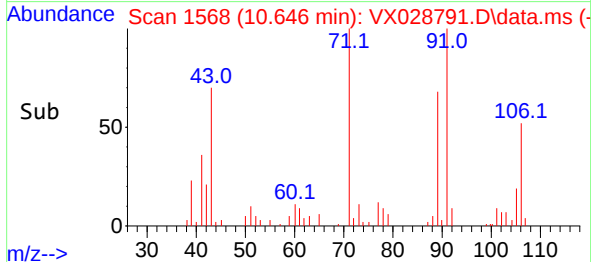
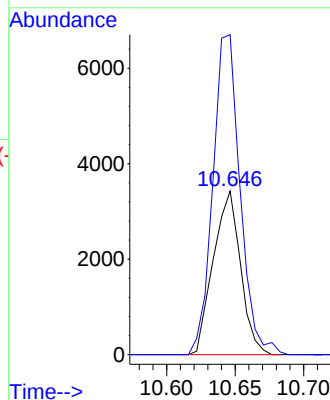
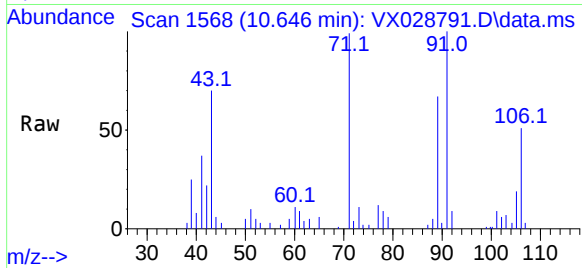




#69
o-Xylene
Concen: 0.596 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028791.D
Acq: 18 May 2022 04:55

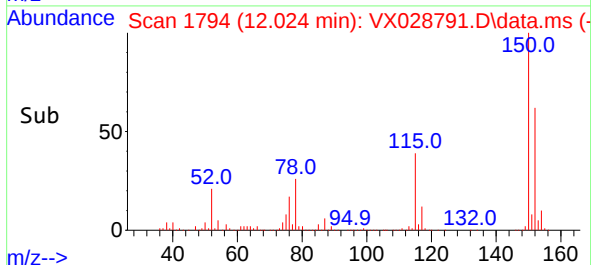
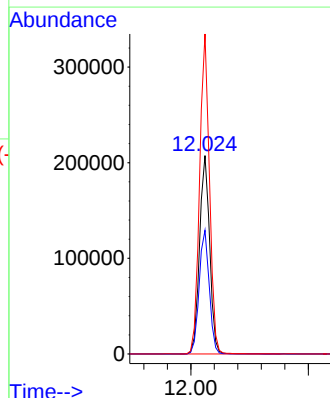
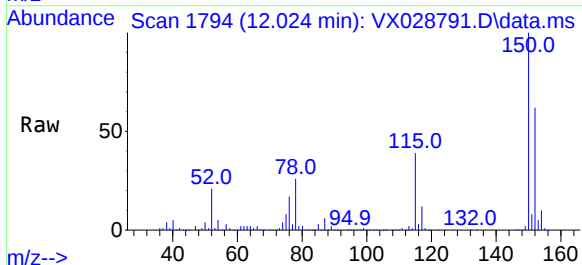
Instrument :
MSVOA_X
ClientSampleId :
SLP-2

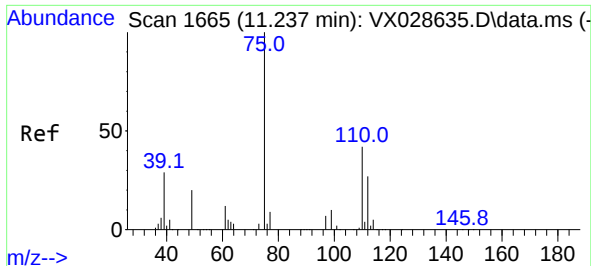
Tgt Ion:106 Resp: 4734
Ion Ratio Lower Upper
106 100
91 195.7 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028791.D
Acq: 18 May 2022 04:55

Tgt Ion:152 Resp: 247614
Ion Ratio Lower Upper
152 100
115 62.4 37.5 112.7
150 157.3 0.0 338.2

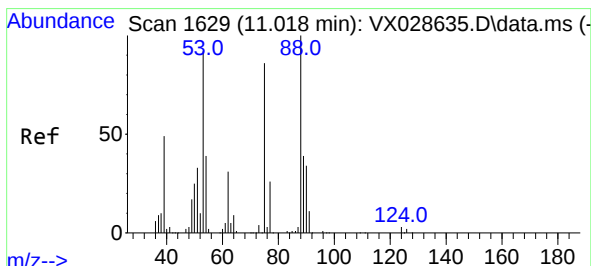
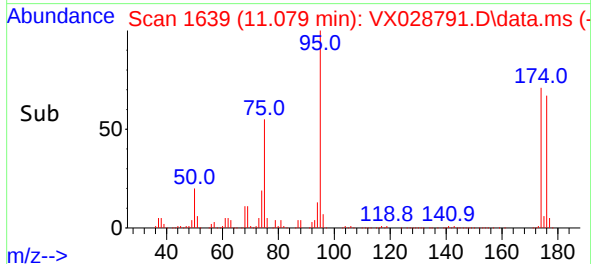
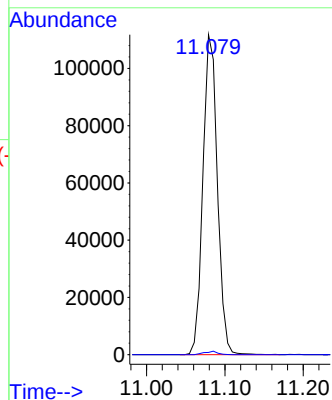
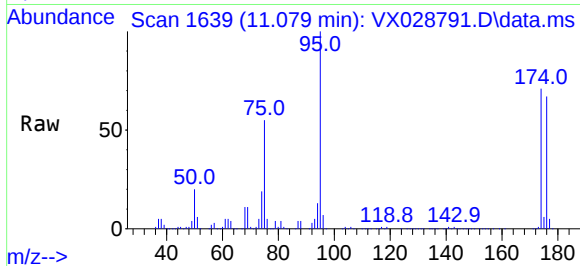




#76
1,2,3-Trichloropropane
Concen: 24.688 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028791.D
Acq: 18 May 2022 04:55

Instrument :
MSVOA_X
ClientSampleId :
SLP-2

Tgt Ion: 75 Resp: 143162
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.819 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028791.D
Acq: 18 May 2022 04:55

Tgt Ion: 75 Resp: 143162
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

