

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081821\
 Data File : VX023818.D
 Acq On : 18 Aug 2021 15:50
 Operator : JC/MD
 Sample : PB138522ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB138522ZHE#03

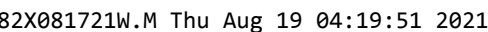
Quant Time: Aug 19 04:19:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

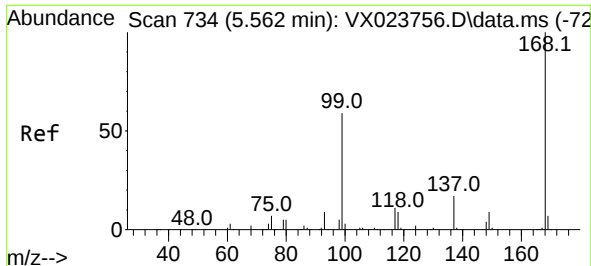
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	141754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	244212	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	101424	51.265	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.520%			
35) Dibromofluoromethane	5.397	113	81253	50.269	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.540%			
50) Toluene-d8	8.652	98	310657	50.497	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.000%			
62) 4-Bromofluorobenzene	11.085	95	108403	47.866	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.740%			
Target Compounds						Qvalue
5) Bromomethane	1.617	94	254	0.252	ug/l #	73
6) Chloroethane	1.666	64	284	2.420	ug/l #	43
11) Tert butyl alcohol	2.965	59	816	2.039	ug/l #	73
13) Acrolein	2.141	56	57	0.239	ug/l #	43
16) Acetone	2.385	43	6943	7.849	ug/l #	84
18) Methyl Acetate	2.721	43	1316	0.596	ug/l #	67
20) Methylene Chloride	2.794	84	13625	8.063	ug/l #	91
25) 2-Butanone	4.580	43	3990	2.978	ug/l #	71
29) Tetrahydrofuran	5.019	42	246	0.283	ug/l #	66
31) Cyclohexane	5.568	56	3635	1.430	ug/l #	29
36) 1,1-Dichloropropene	5.562	75	11246	4.973	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14573	6.179	ug/l #	17
43) Isopropyl Acetate	6.348	43	21757	5.003	ug/l	93
48) Methyl methacrylate	7.604	41	6396	3.015	ug/l #	10
49) 1,4-Dioxane	7.805	88	143	3.190	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	79573	28.309	ug/l #	43
52) Toluene	8.726	92	1214	0.280	ug/l	97
53) t-1,3-Dichloropropene	8.957	75	27	2.146	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	32516	12.003	ug/l #	72
56) Ethyl methacrylate	9.012	69	126	0.800	ug/l #	29
57) 1,3-Dichloropropane	9.488	76	21275	7.190	ug/l #	42
59) 2-Hexanone	9.488	43	314287	145.458	ug/l #	42
74) N-amyl acetate	10.768	43	940	0.282	ug/l #	41
76) 1,2,3-Trichloropropane	11.085	75	58130	25.734	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	1880	0.310	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.085	75	58130	75.698	ug/l #	12
95) Naphthalene	13.786	128	120	1.299	ug/l #	69

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

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QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

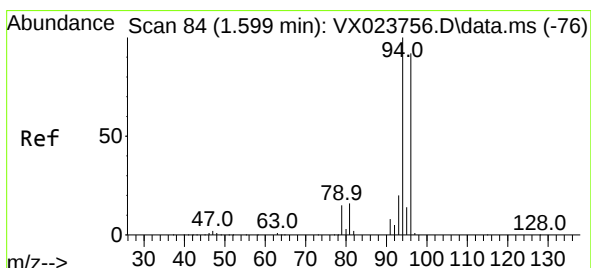
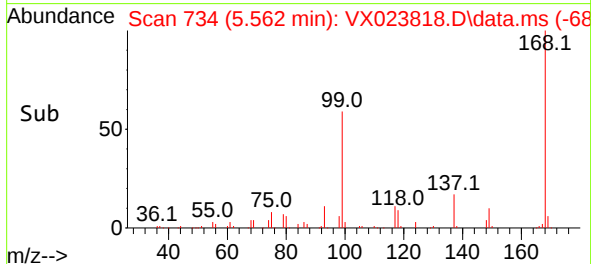
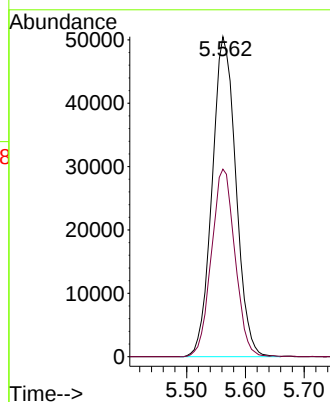
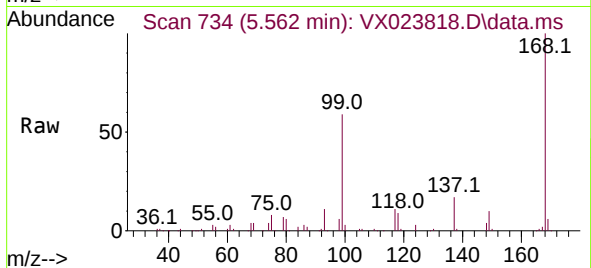




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

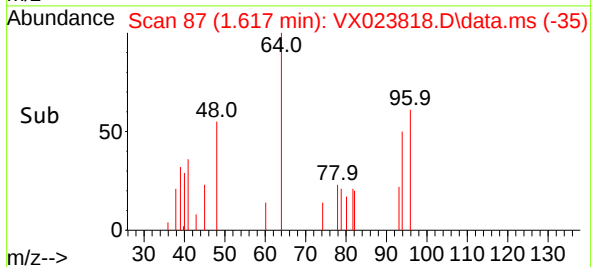
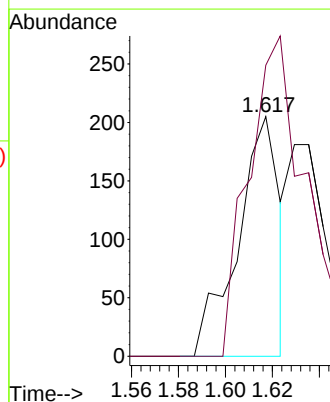
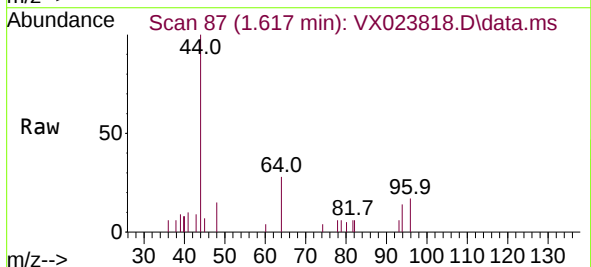
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#03

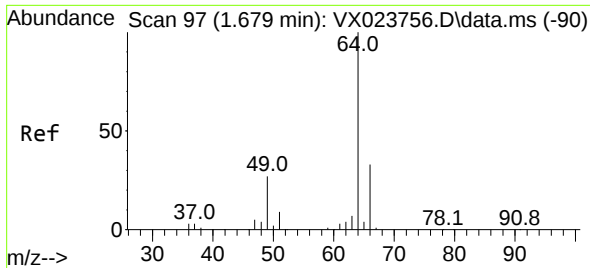
Tgt Ion:168 Resp: 141754
Ion Ratio Lower Upper
168 100
99 58.6 45.8 68.6



#5
Bromomethane
Concen: 0.252 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

Tgt Ion: 94 Resp: 254
Ion Ratio Lower Upper
94 100
96 121.5 76.4 114.6#

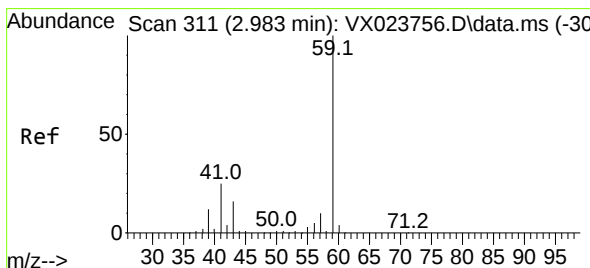
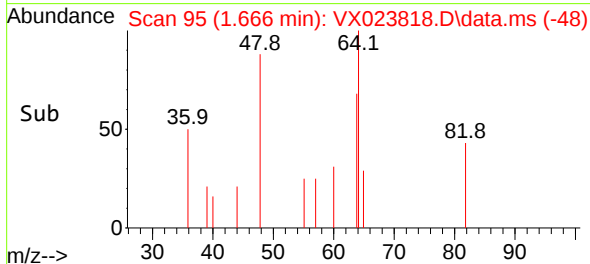
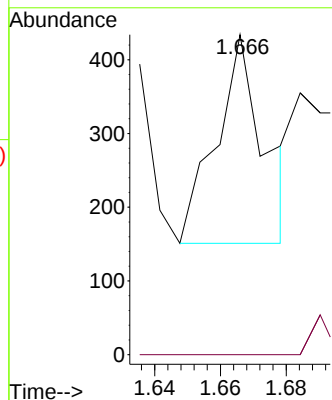
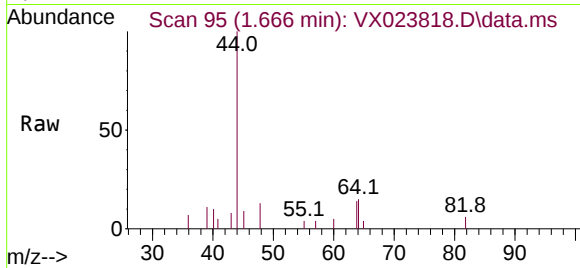




#6
Chloroethane
Concen: 2.420 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

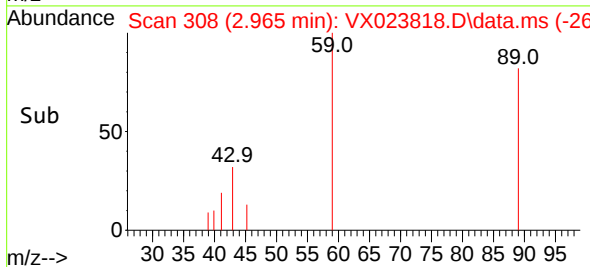
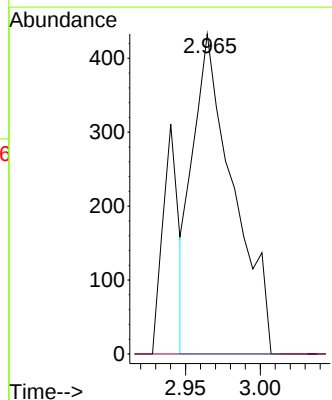
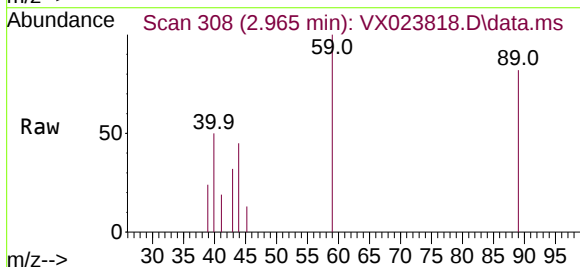
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#03

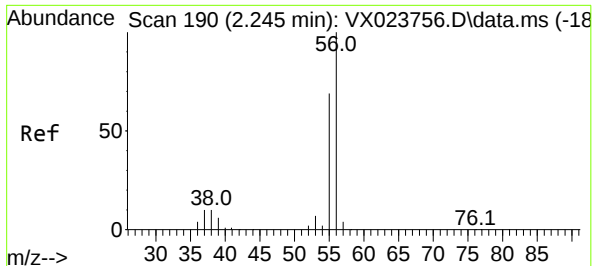
Tgt Ion: 64 Resp: 284
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 2.039 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

Tgt Ion: 59 Resp: 816
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

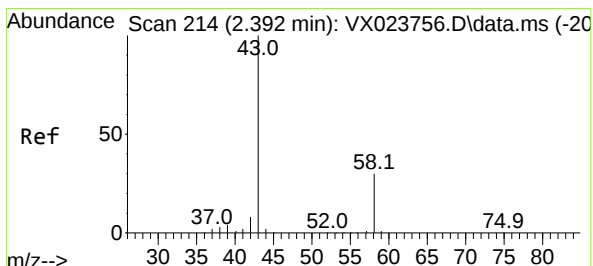
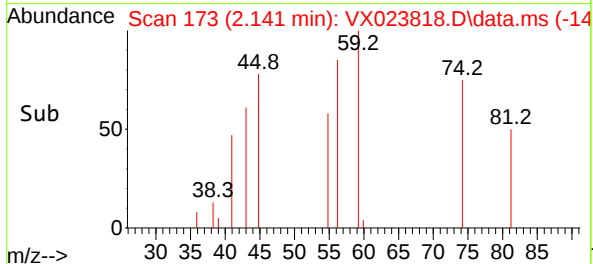
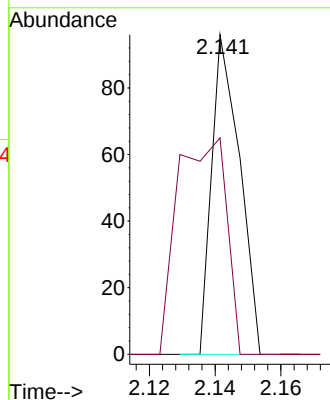
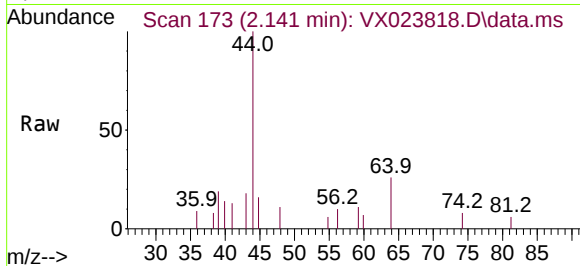




#13
Acrolein
Concen: 0.239 ug/l
RT: 2.141 min Scan# 173
Delta R.T. -0.104 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

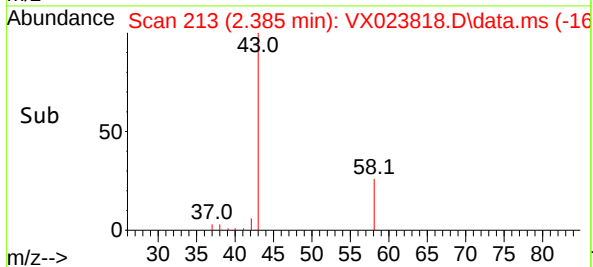
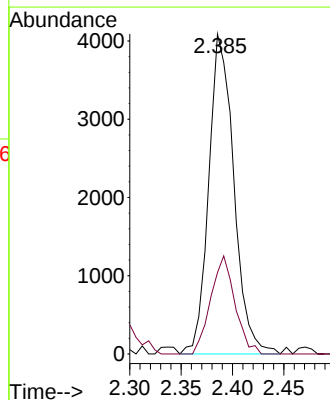
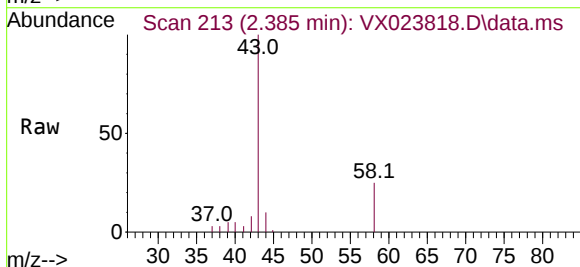
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#03

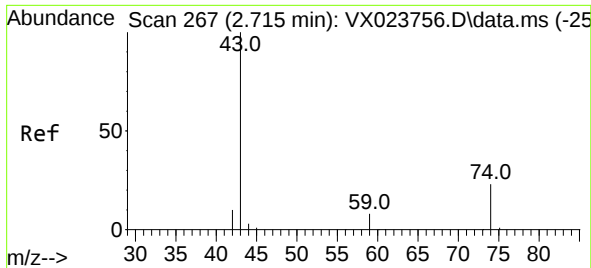
Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 117.5 56.4 84.6#



#16
Acetone
Concen: 7.849 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

Tgt Ion: 43 Resp: 6943
Ion Ratio Lower Upper
43 100
58 25.4 27.8 41.8#

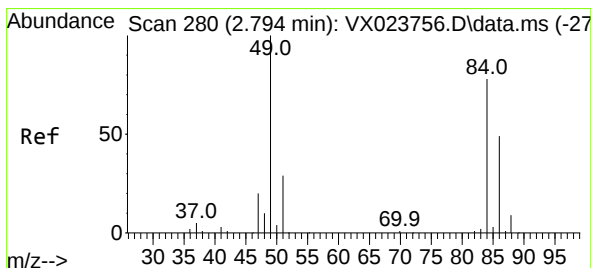
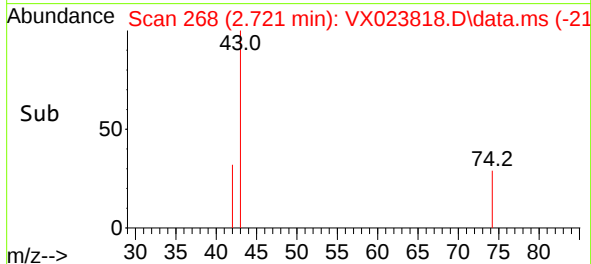
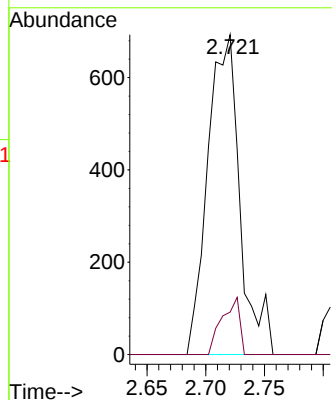
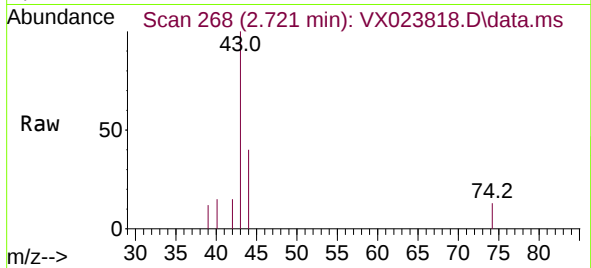




#18
Methyl Acetate
Concen: 0.596 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

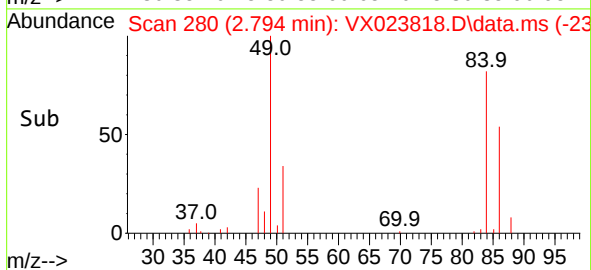
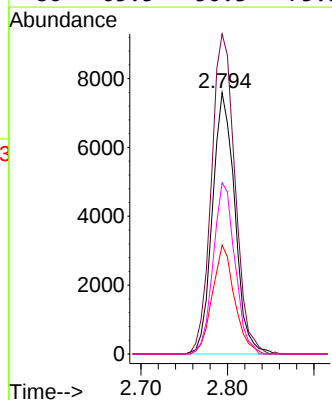
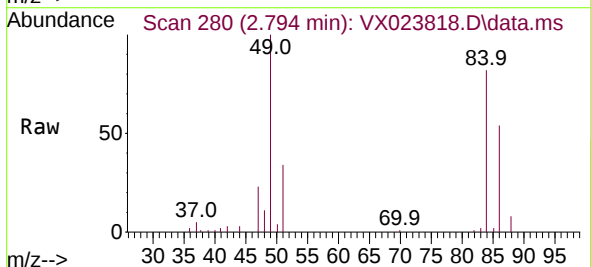
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#03

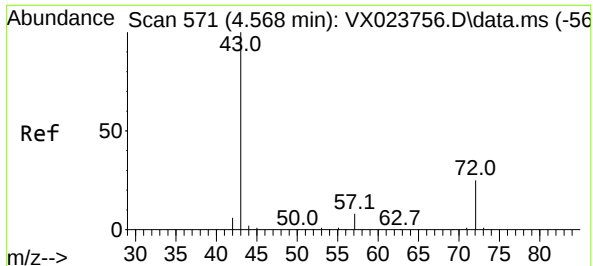
Tgt Ion: 43 Resp: 1316
Ion Ratio Lower Upper
43 100
74 10.0 21.9 32.9#



#20
Methylene Chloride
Concen: 8.063 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

Tgt Ion: 84 Resp: 13625
Ion Ratio Lower Upper
84 100
49 122.5 88.6 132.8
51 41.7 27.0 40.6#
86 65.5 50.3 75.5

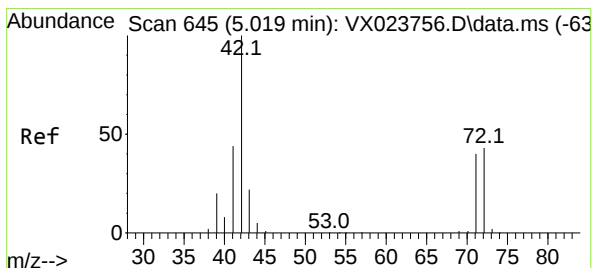
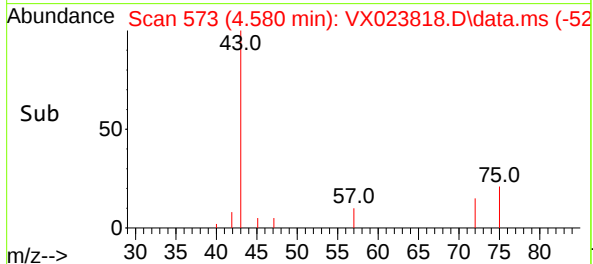
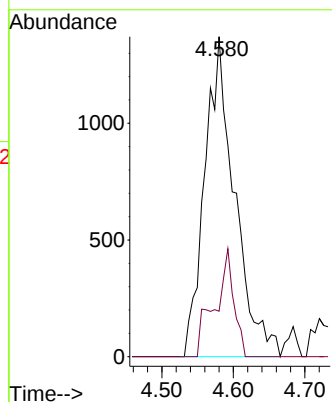
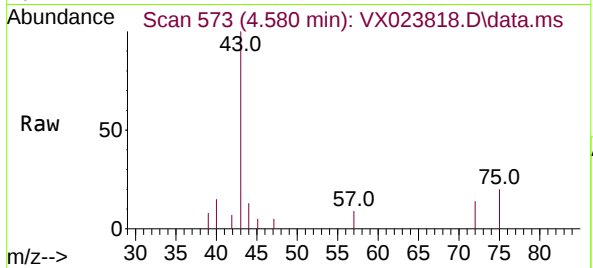




#25
2-Butanone
Concen: 2.978 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

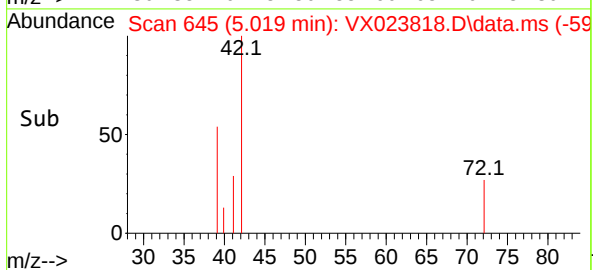
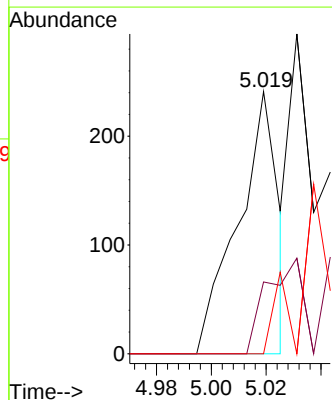
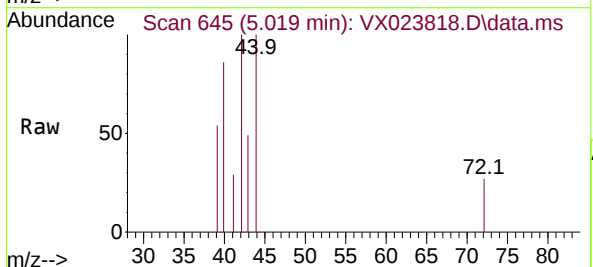
Instrument :
MSVOA_X
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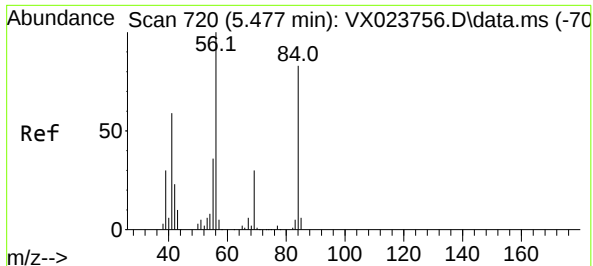
Tgt Ion: 43 Resp: 3990
Ion Ratio Lower Upper
43 100
72 14.2 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.283 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.000 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

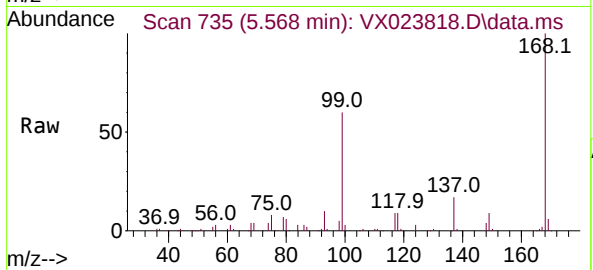
Tgt Ion: 42 Resp: 246
Ion Ratio Lower Upper
42 100
72 32.1 41.7 62.5#
71 74.4 38.4 57.6#



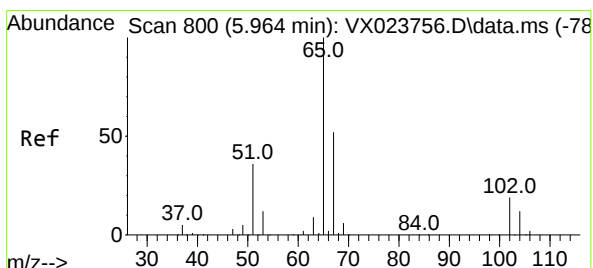
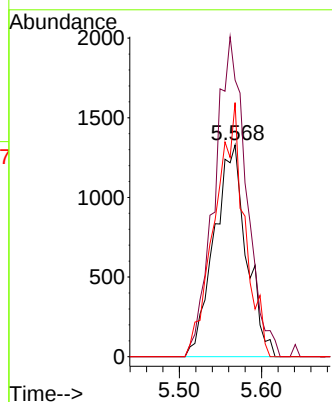
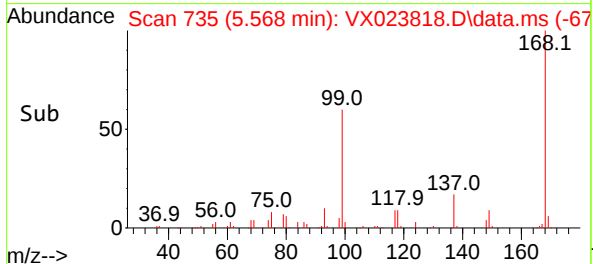


#31
Cyclohexane
Concen: 1.430 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

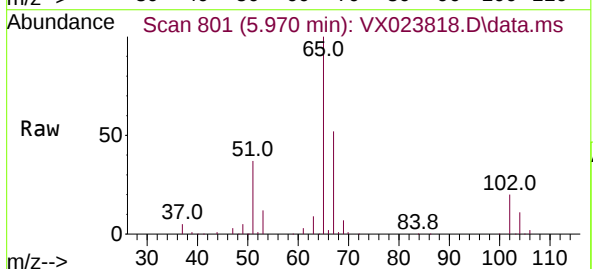
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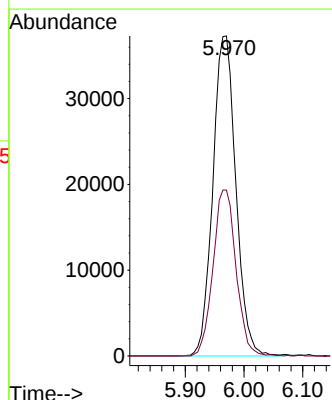
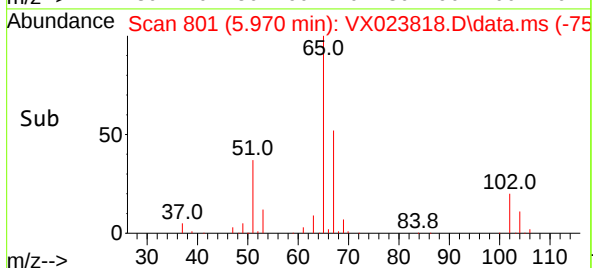
Tgt Ion: 56 Resp: 3635
Ion Ratio Lower Upper
56 100
69 130.7 25.3 37.9#
84 120.0 71.4 107.0#

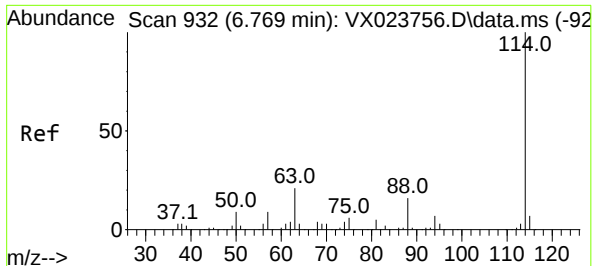


#33
1,2-Dichloroethane-d4
Concen: 51.265 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50



Tgt Ion: 65 Resp: 101424
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.4

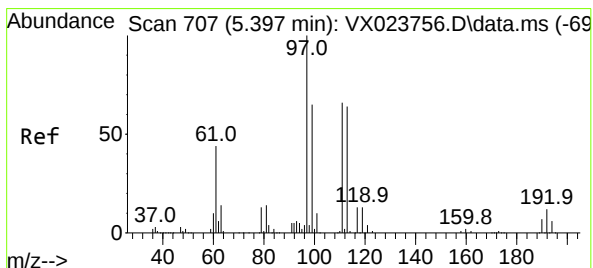
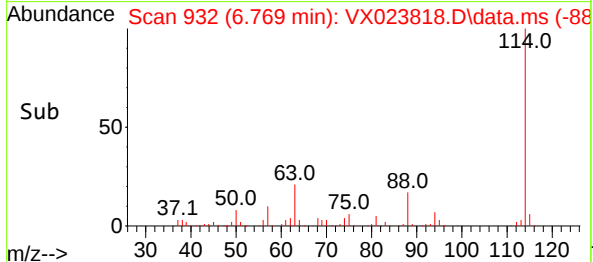
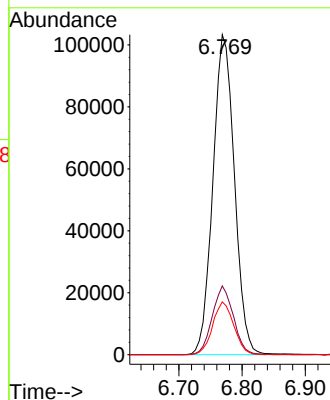
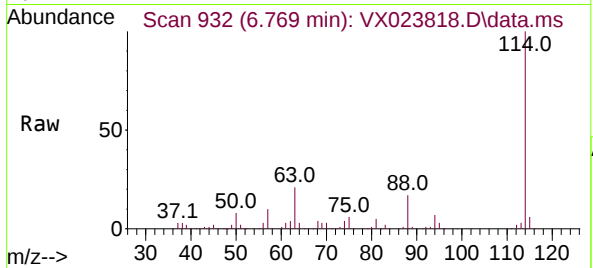




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

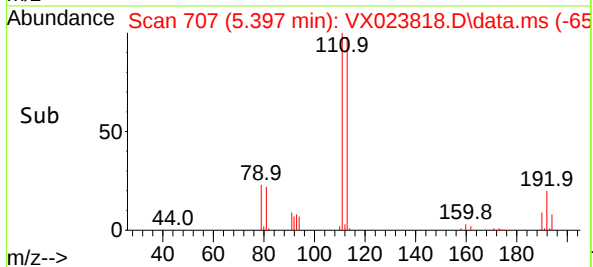
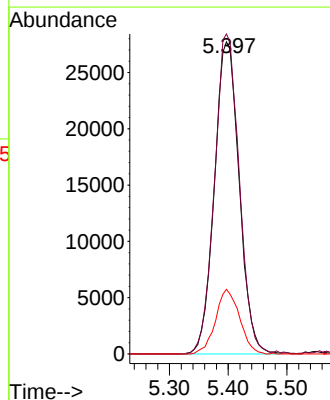
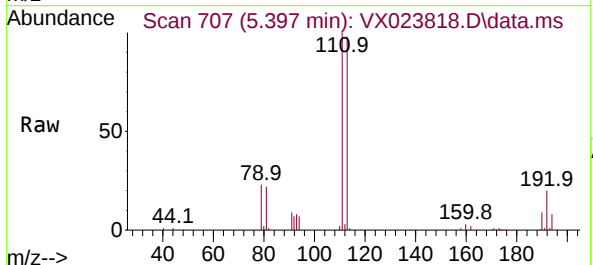
Instrument :
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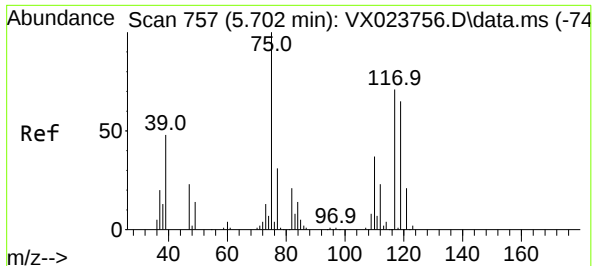
Tgt Ion:114 Resp: 244212
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.269 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

Tgt Ion:113 Resp: 81253
Ion Ratio Lower Upper
113 100
111 102.0 81.9 122.9
192 20.0 16.7 25.1

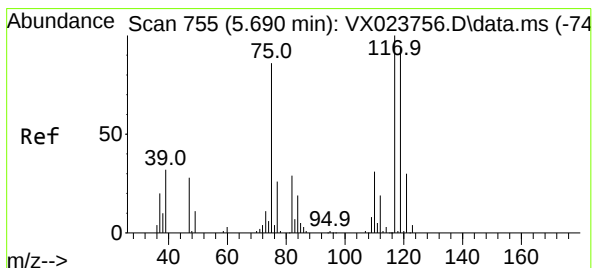
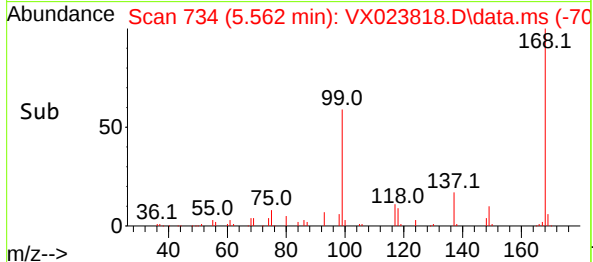
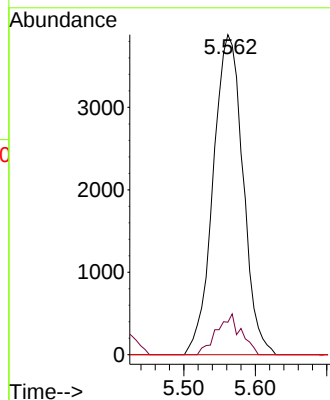
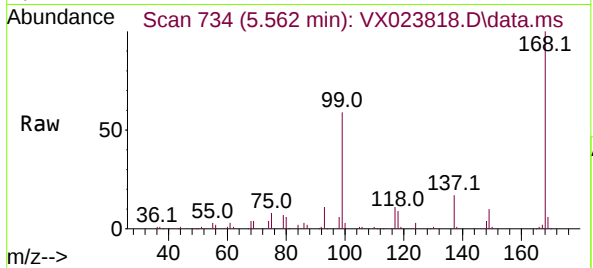




#36
1,1-Dichloropropene
Concen: 4.973 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

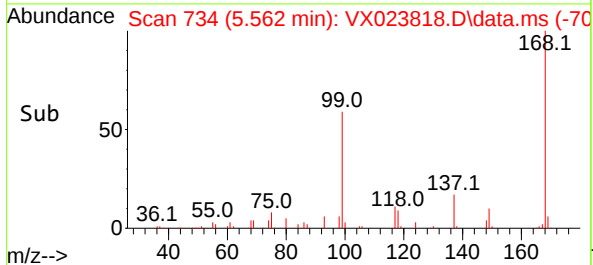
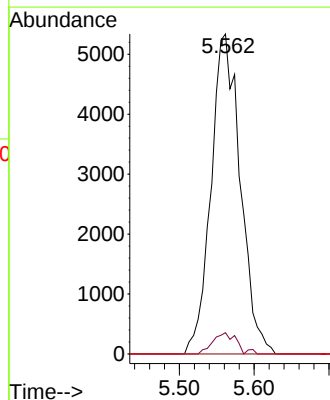
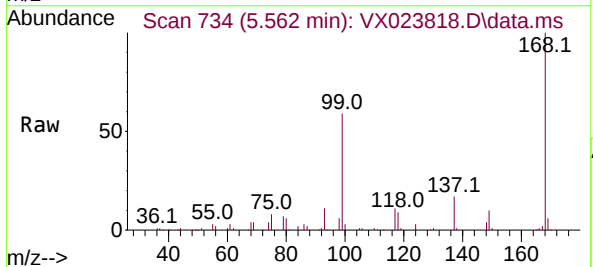
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#03

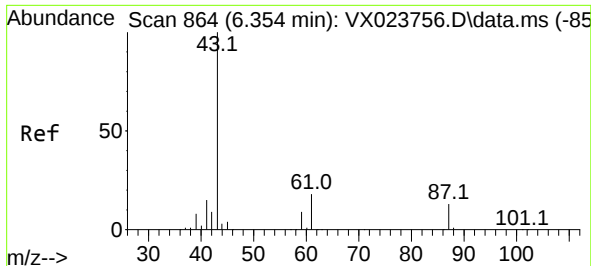
Tgt Ion: 75 Resp: 11246
Ion Ratio Lower Upper
75 100
110 10.4 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.179 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

Tgt Ion: 117 Resp: 14573
Ion Ratio Lower Upper
117 100
119 6.6 76.2 114.2#
121 0.0 24.8 37.2#

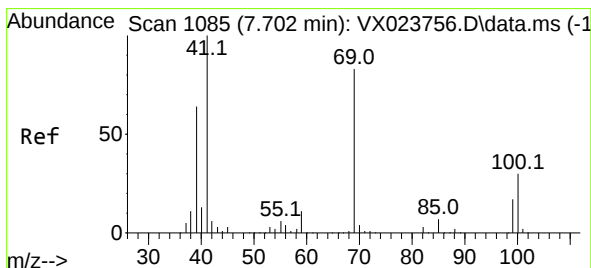
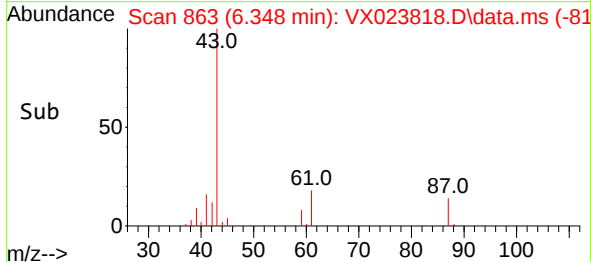
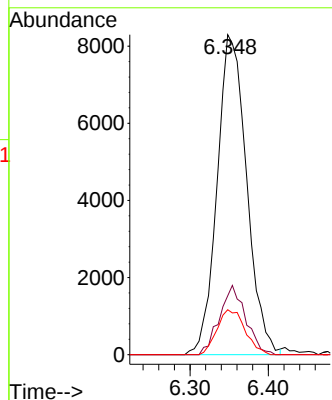
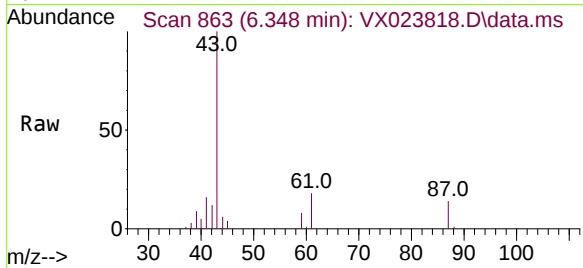




#43
Isopropyl Acetate
Concen: 5.003 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

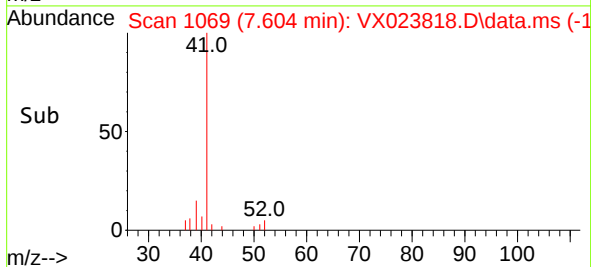
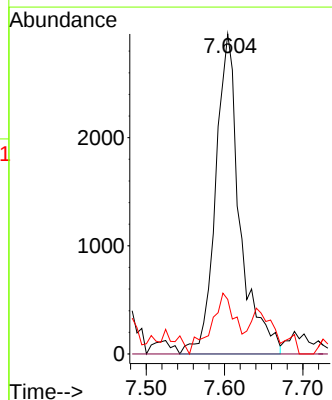
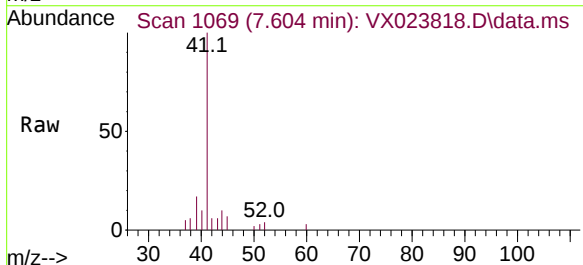
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#03

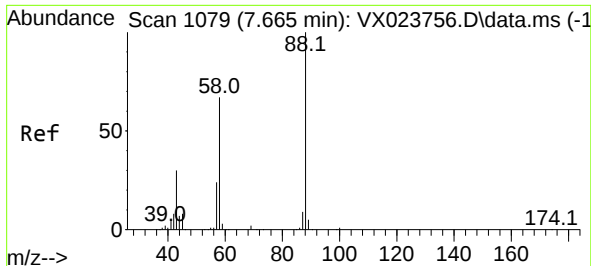
Tgt Ion: 43	Resp: 21757
Ion Ratio	Lower Upper
43	100
61	19.2 18.2 27.4
87	13.4 12.5 18.7



#48
Methyl methacrylate
Concen: 3.015 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

Tgt Ion: 41	Resp: 6396
Ion Ratio	Lower Upper
41	100
69	0.0 76.0 114.0#
39	0.0 44.6 67.0#

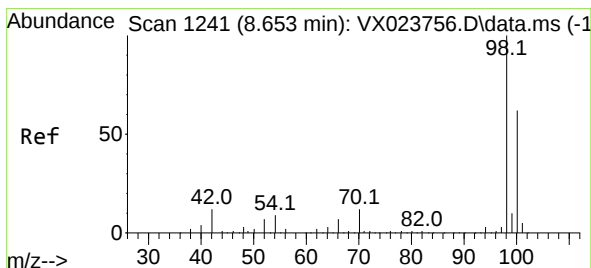
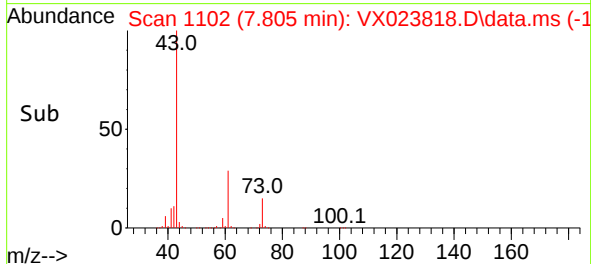
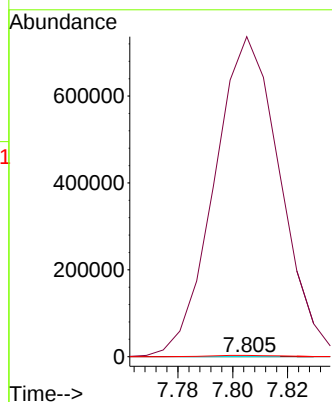
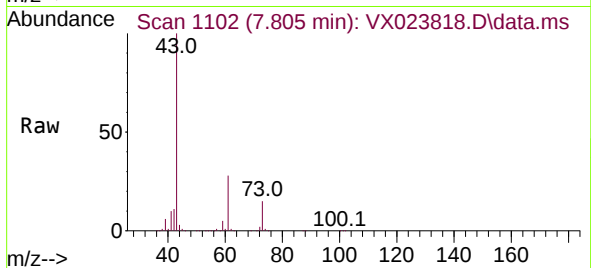




#49
1,4-Dioxane
Concen: 3.190 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

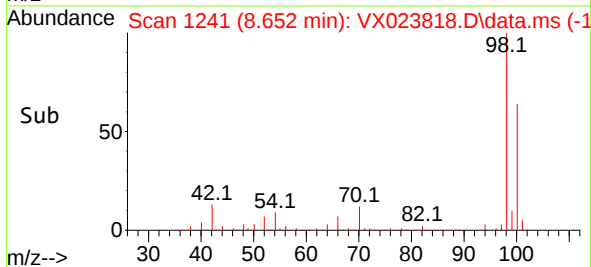
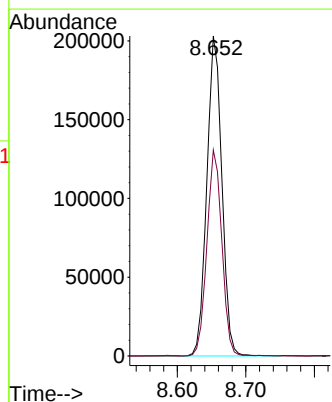
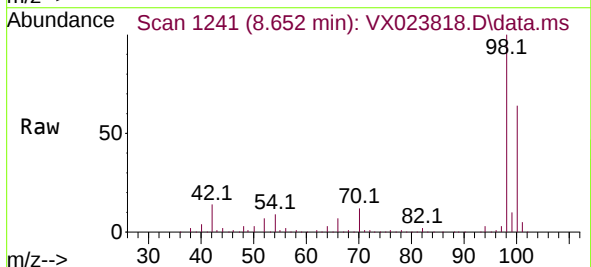
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#03

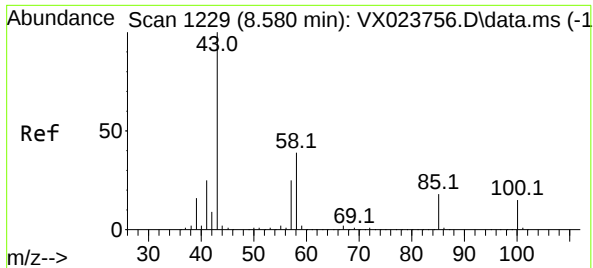
Tgt Ion: 88 Resp: 143
Ion Ratio Lower Upper
88 100
43 869842.0 23.2 34.8#
58 3900.7 55.0 82.4#



#50
Toluene-d8
Concen: 50.497 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. -0.001 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

Tgt Ion: 98 Resp: 310657
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

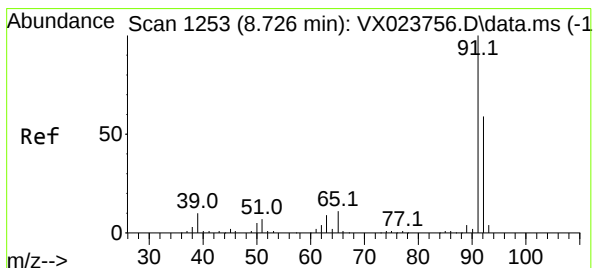
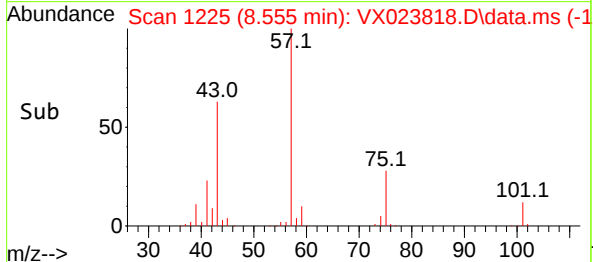
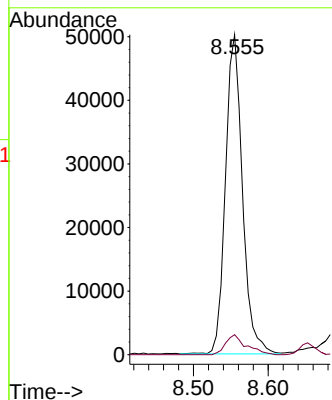
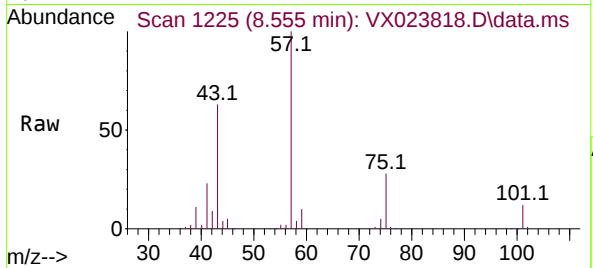




#51
4-Methyl-2-Pentanone
Concen: 28.309 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

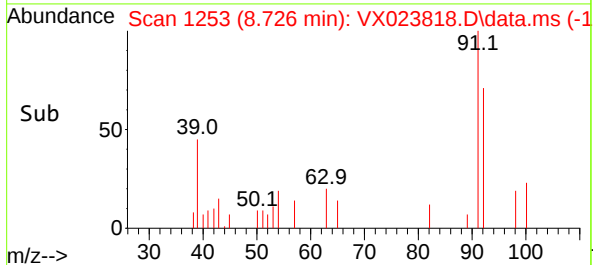
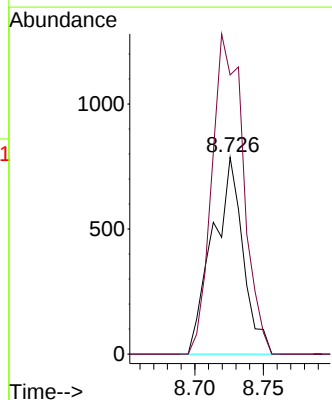
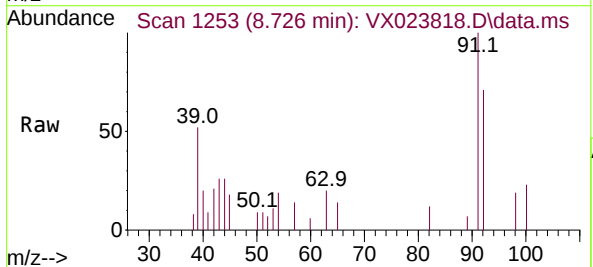
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#03

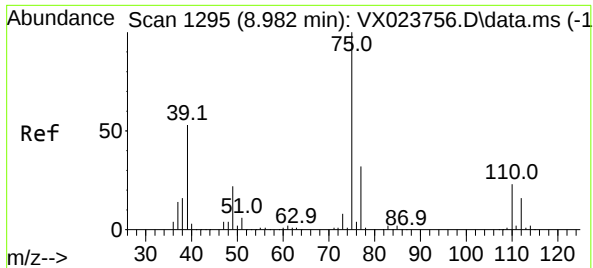
Tgt Ion: 43 Resp: 79573
Ion Ratio Lower Upper
43 100
58 7.5 35.4 53.0#



#52
Toluene
Concen: 0.280 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. -0.000 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

Tgt Ion: 92 Resp: 1214
Ion Ratio Lower Upper
92 100
91 167.9 137.1 205.7

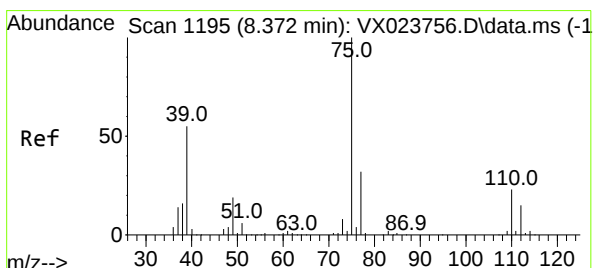
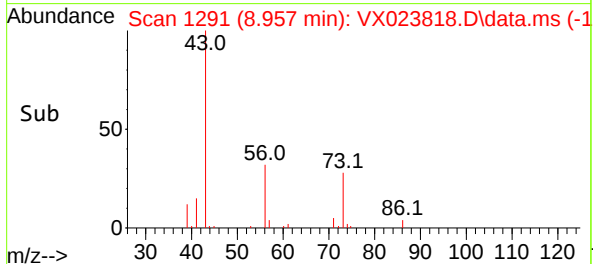
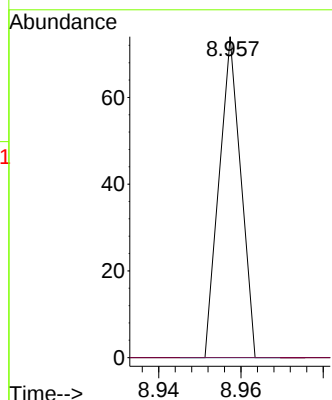
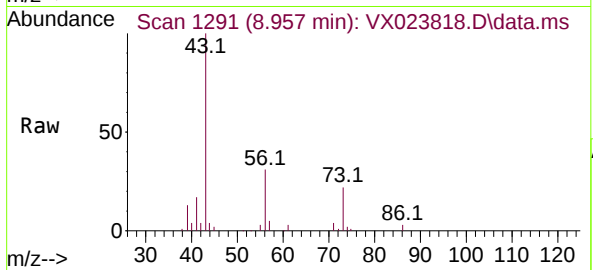




#53
t-1,3-Dichloropropene
Concen: 2.146 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.025 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

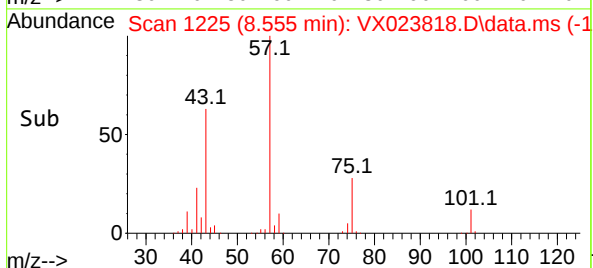
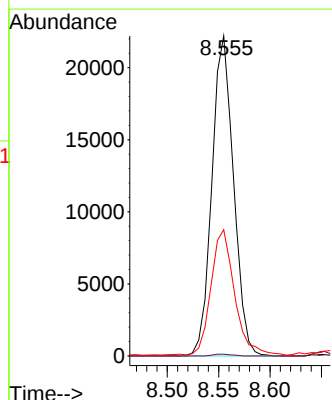
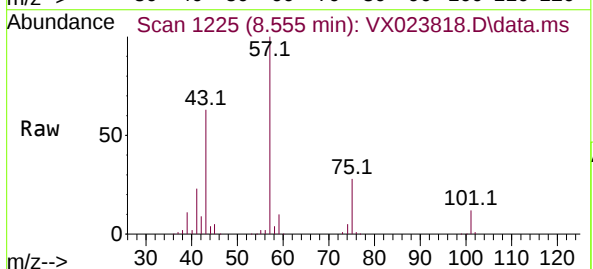
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#03

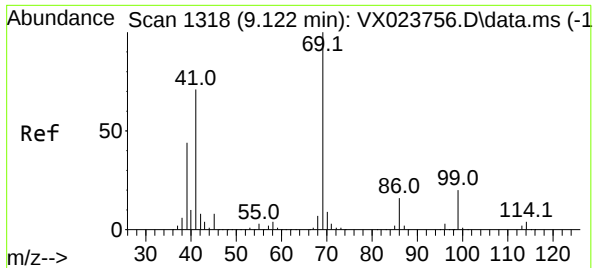
Tgt Ion: 75 Resp: 27
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 12.003 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

Tgt Ion: 75 Resp: 32516
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 38.9 35.1 52.7

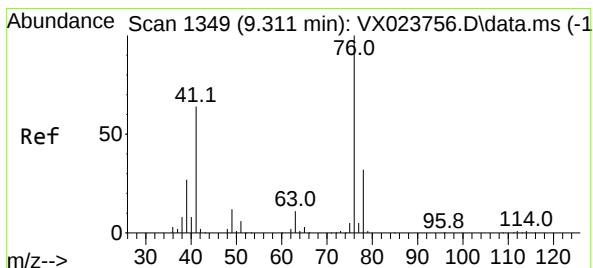
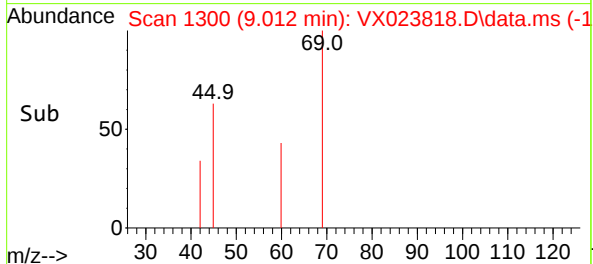
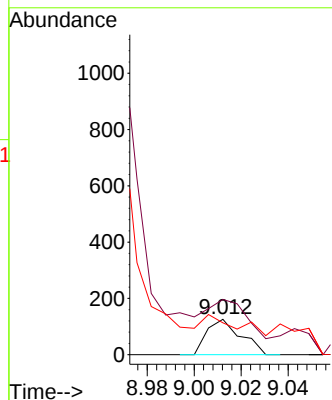
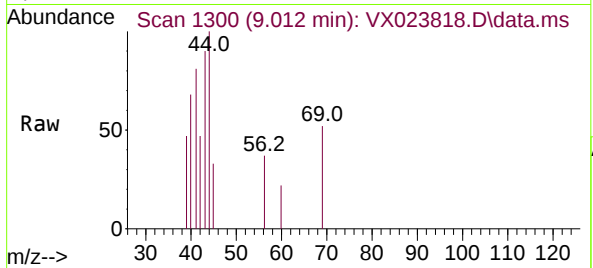




#56
Ethyl methacrylate
Concen: 0.800 ug/l
RT: 9.012 min Scan# 1300
Delta R.T. -0.110 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

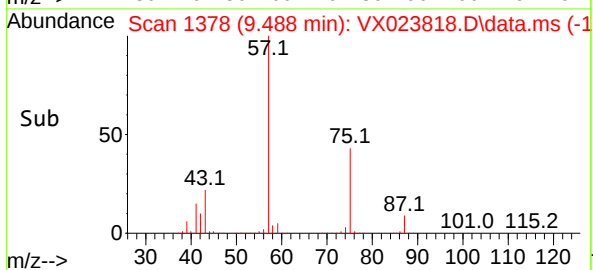
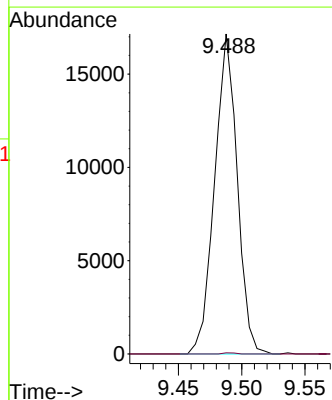
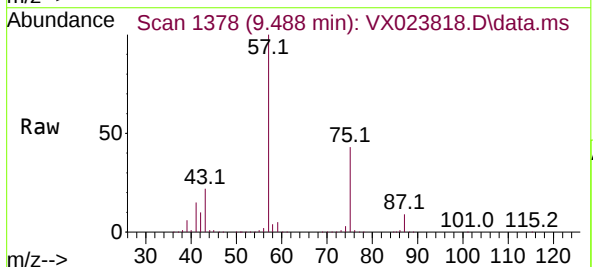
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#03

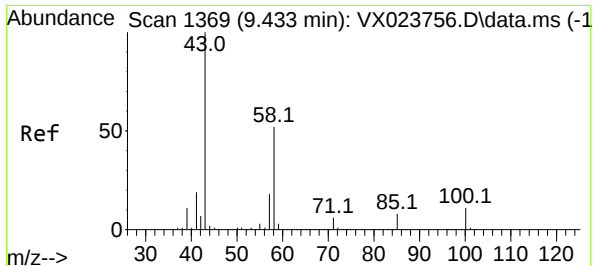
Tgt Ion: 69 Resp: 126
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 7.190 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

Tgt Ion: 76 Resp: 21275
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#

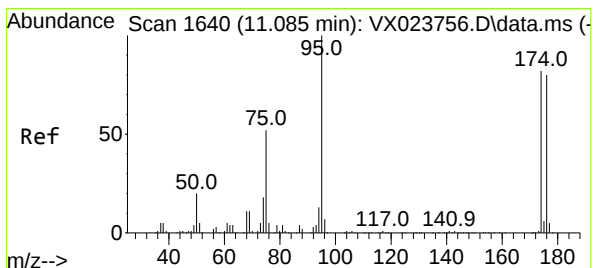
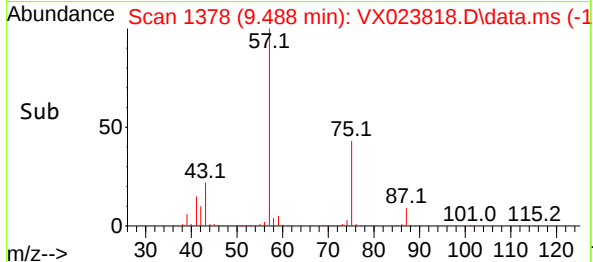
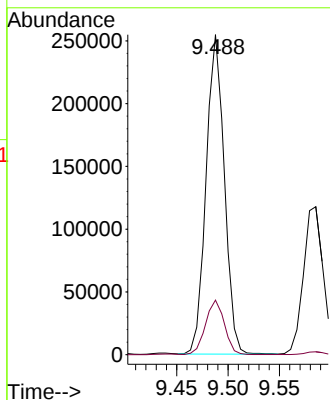
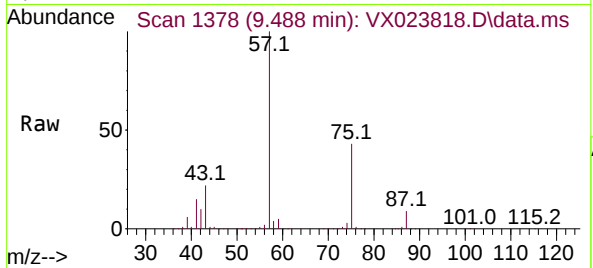




#59
2-Hexanone
Concen: 145.458 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

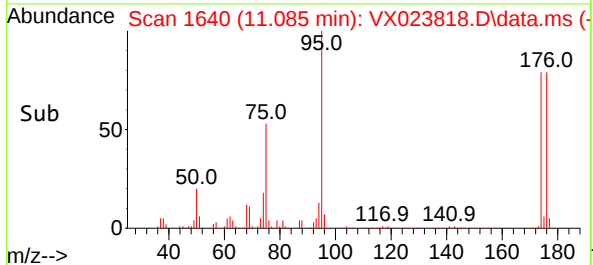
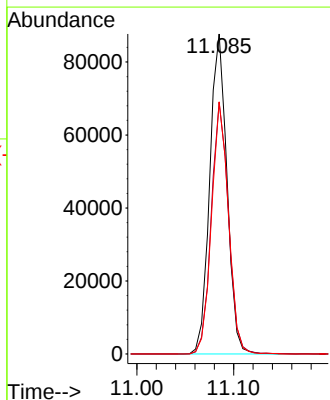
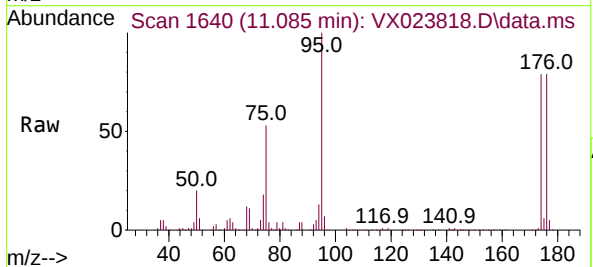
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#03

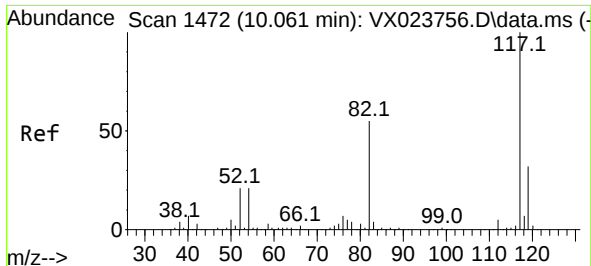
Tgt Ion: 43 Resp: 314287
Ion Ratio Lower Upper
43 100
58 17.6 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 47.866 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

Tgt Ion: 95 Resp: 108403
Ion Ratio Lower Upper
95 100
174 78.6 0.0 154.6
176 77.7 0.0 155.8

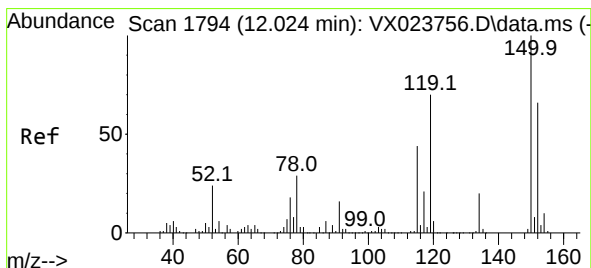
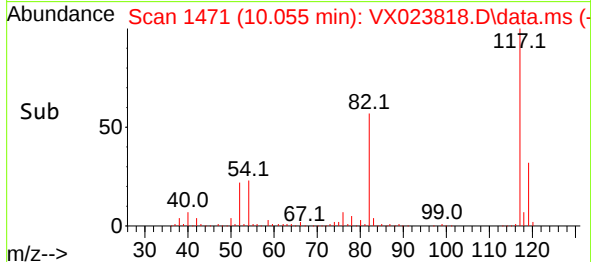
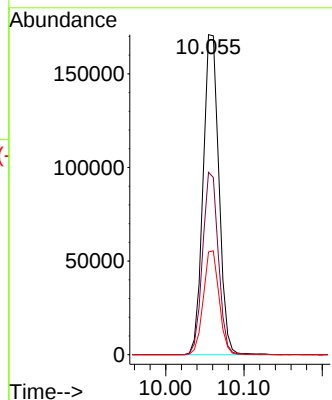
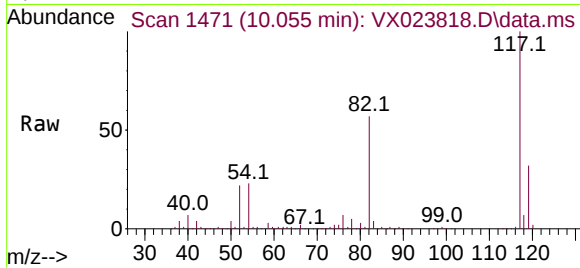




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

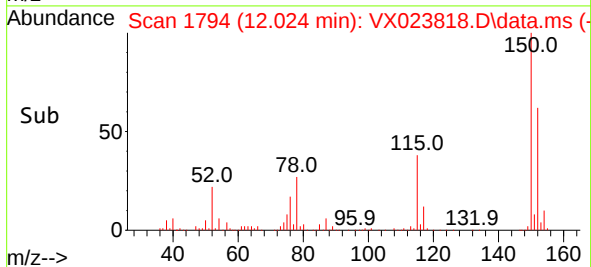
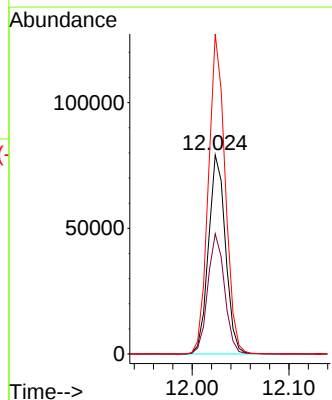
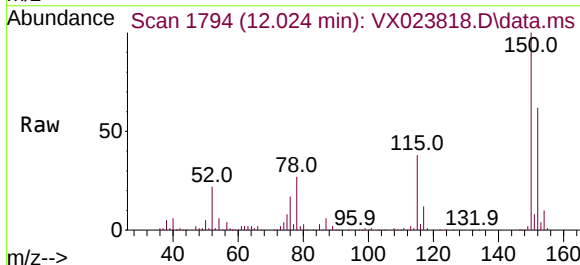
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#03

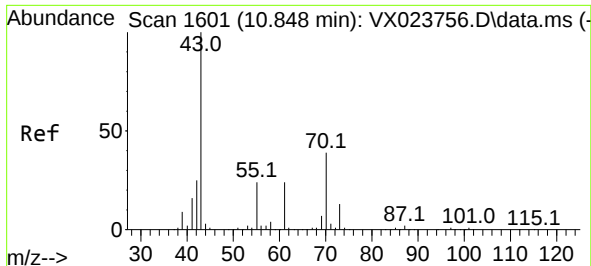
Tgt Ion:117 Resp: 239081
Ion Ratio Lower Upper
117 100
82 57.0 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

Tgt Ion:152 Resp: 96833
Ion Ratio Lower Upper
152 100
115 59.5 41.1 123.3
150 158.2 0.0 349.0

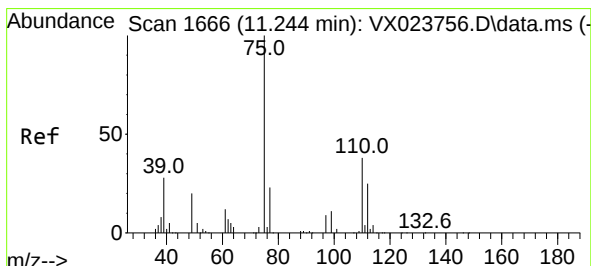
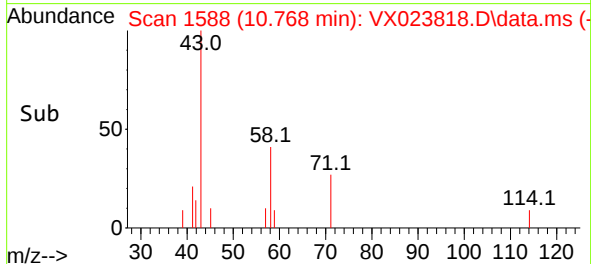
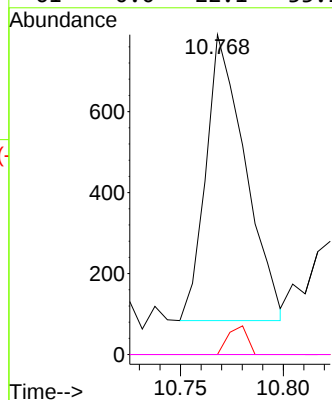
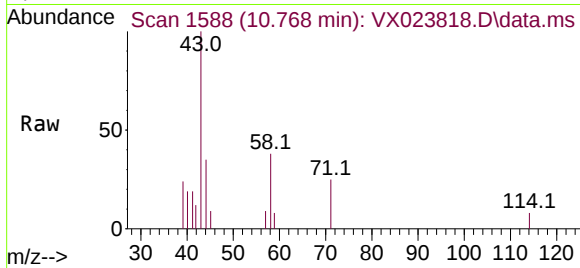




#74
N-amy1 acetate
Concen: 0.282 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

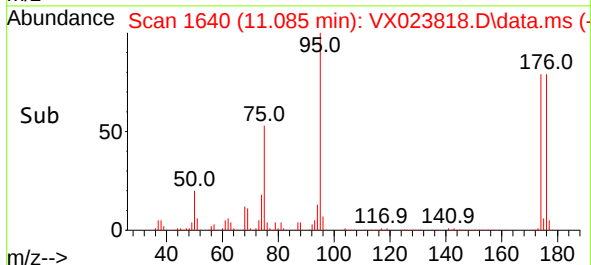
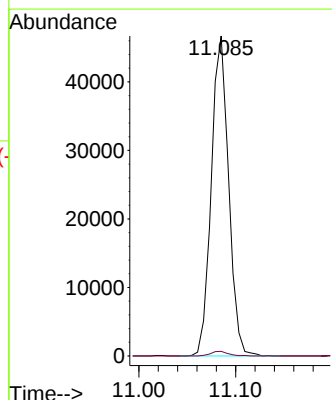
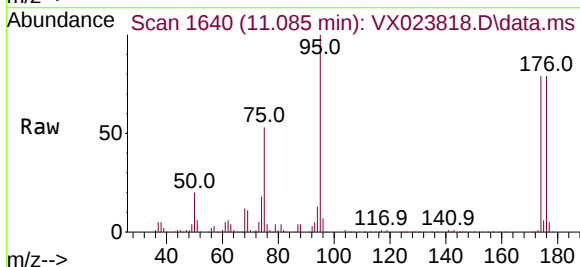
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#03

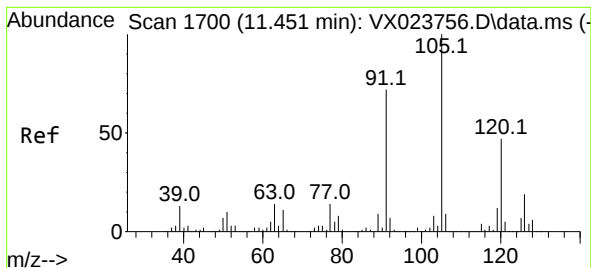
Tgt Ion: 43	Resp:	940
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.0 58.6#
55	4.9	21.5 32.3#
61	0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 25.734 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

Tgt Ion: 75	Resp:	58130
Ion	Ratio	Lower Upper
75	100	
77	1.5	19.1 57.5#

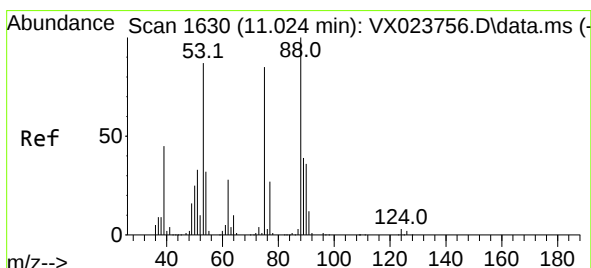
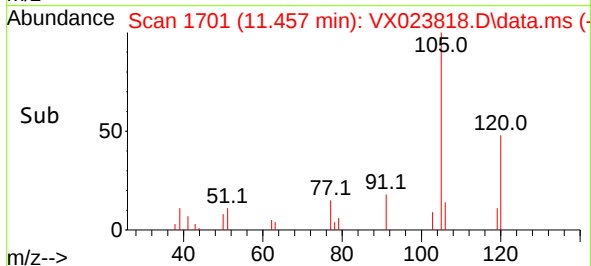
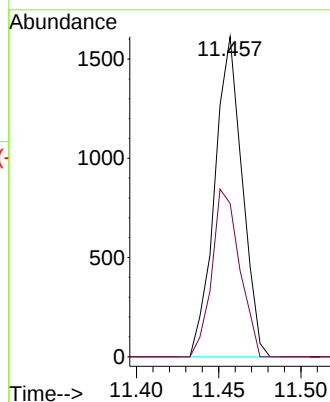
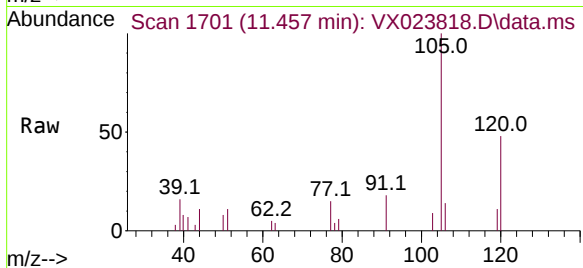




#80
1,3,5-Trimethylbenzene
Concen: 0.310 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

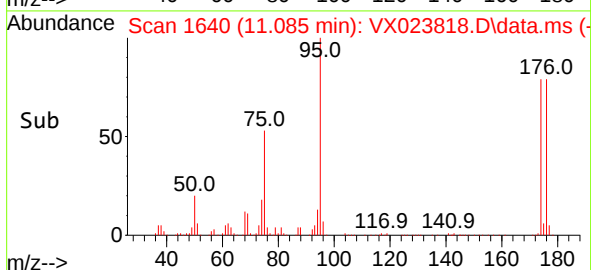
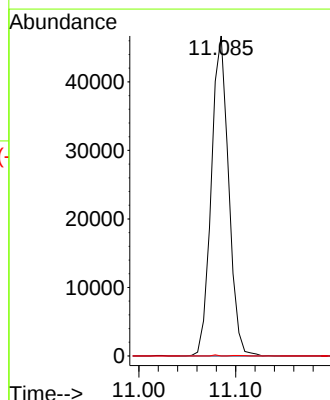
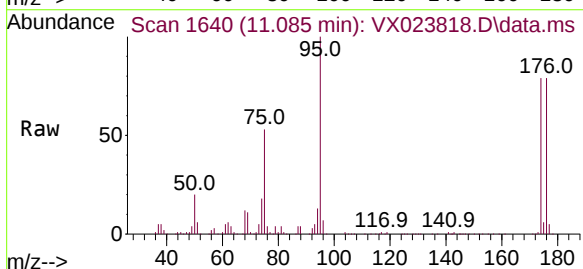
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#03

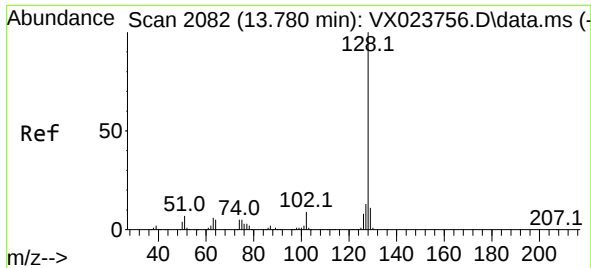
Tgt Ion:105 Resp: 1880
Ion Ratio Lower Upper
105 100
120 52.6 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 75.698 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

Tgt Ion: 75 Resp: 58130
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#





#95
Naphthalene
Concen: 1.299 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023818.D
Acq: 18 Aug 2021 15:50

Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#03

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

