

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082021\
 Data File : VX023861.D
 Acq On : 20 Aug 2021 00:28
 Operator : JC/MD
 Sample : M3468-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SAMPLE-8-(309.00)

Quant Time: Aug 20 03:17:36 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

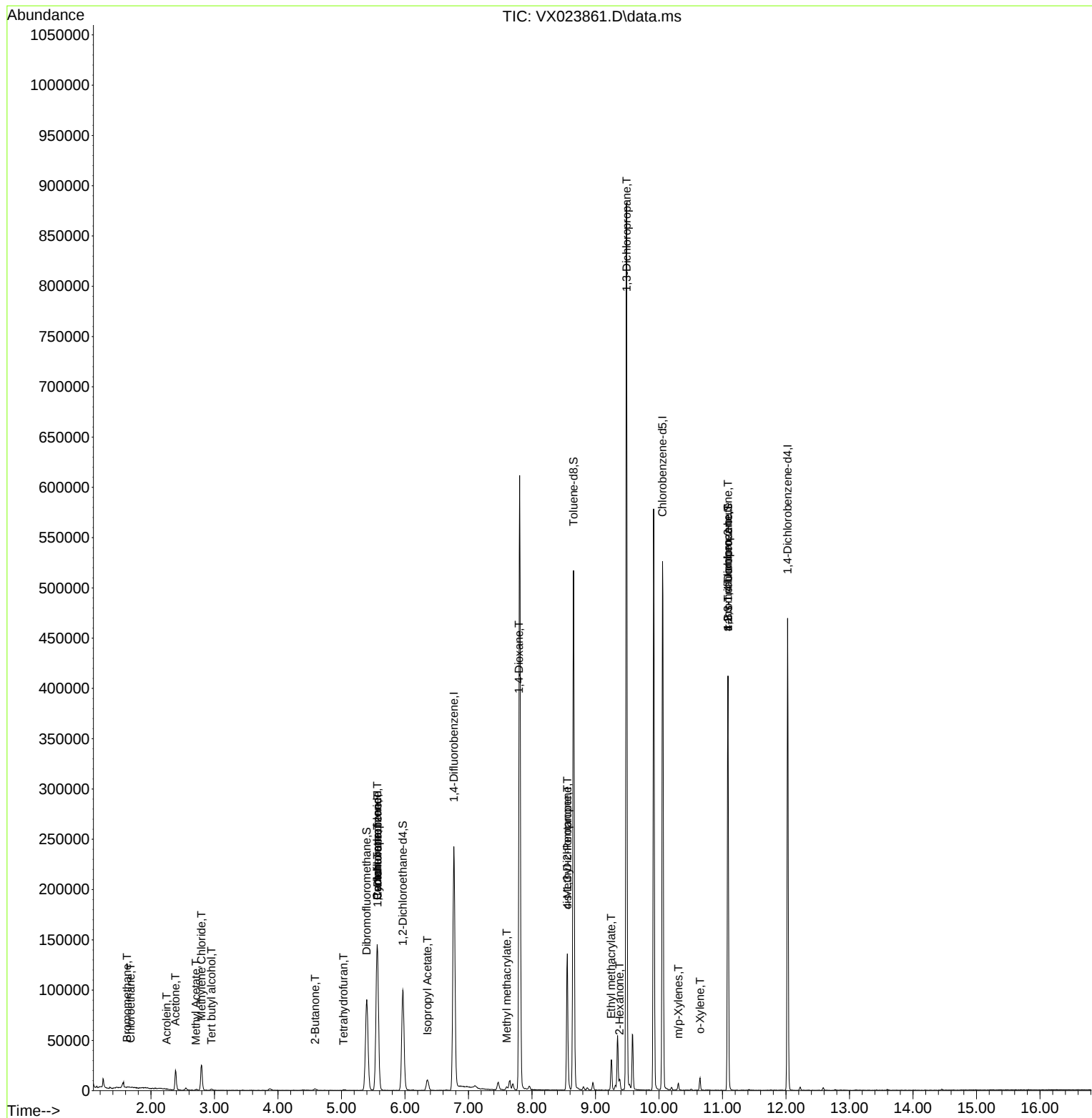
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

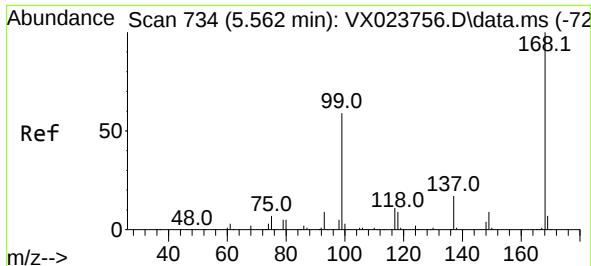
Internal Standards						
1) Pentafluorobenzene	5.562	168	136190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	232846	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	97741	51.421	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.840%			
35) Dibromofluoromethane	5.397	113	76220	49.457	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.920%			
50) Toluene-d8	8.653	98	295556	50.387	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.780%			
62) 4-Bromofluorobenzene	11.085	95	99207	45.944	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.880%			
Target Compounds					Qvalue	
5) Bromomethane	1.624	94	423	0.437	ug/l #	54
6) Chloroethane	1.679	64	74	2.273	ug/l #	43
11) Tert butyl alcohol	2.953	59	934	2.430	ug/l #	73
13) Acrolein	2.246	56	48	0.210	ug/l #	1
16) Acetone	2.386	43	21021	24.734	ug/l	88
18) Methyl Acetate	2.709	43	1266	0.597	ug/l #	72
20) Methylene Chloride	2.794	84	11289	6.954	ug/l	91
25) 2-Butanone	4.587	43	2154	1.673	ug/l #	65
29) Tetrahydrofuran	5.032	42	228	0.273	ug/l #	46
31) Cyclohexane	5.562	56	3019	1.236	ug/l #	4
36) 1,1-Dichloropropene	5.568	75	10820	5.018	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14347	6.381	ug/l #	15
43) Isopropyl Acetate	6.355	43	14493	3.496	ug/l	93
48) Methyl methacrylate	7.604	41	4296	2.124	ug/l #	10
49) 1,4-Dioxane	7.793	88	22	0.515	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	47761	17.821	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	19450	7.531	ug/l #	75
56) Ethyl methacrylate	9.244	69	93	0.791	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	6919	2.452	ug/l #	42
59) 2-Hexanone	9.378	43	6275	3.046	ug/l #	19
68) m/p-Xylenes	10.305	106	1341	0.425	ug/l	83
69) o-Xylene	10.647	106	791	0.255	ug/l	92
76) 1,2,3-Trichloropropane	11.085	75	54624	25.749	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	54624	75.743	ug/l #	12

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

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MSVOA_X
ClientSampleId :
SAMPLE-8-(309.00)

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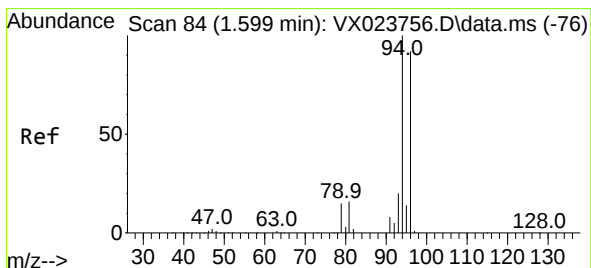
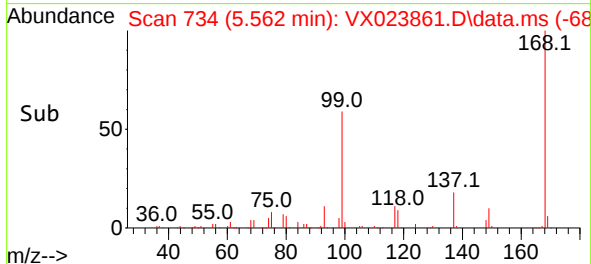
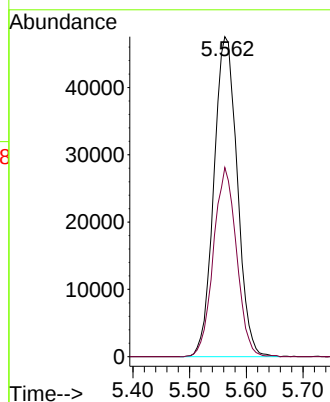
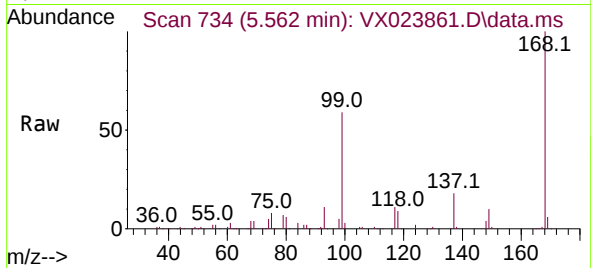




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

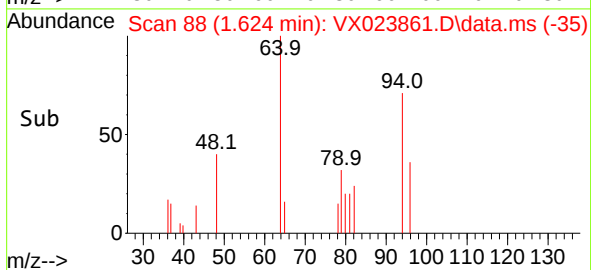
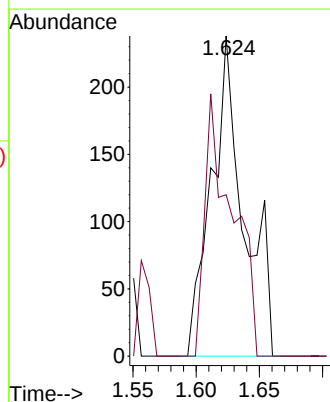
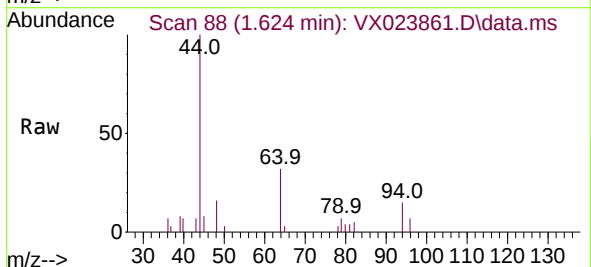
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-8-(309.00)

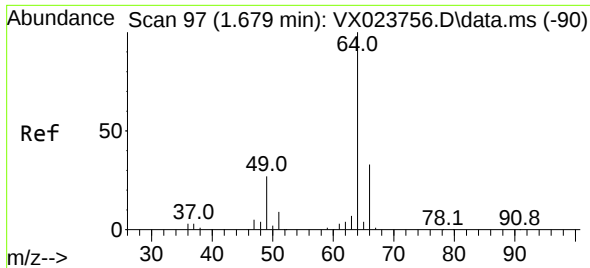
Tgt Ion:168 Resp: 136190
Ion Ratio Lower Upper
168 100
99 59.1 45.8 68.6



#5
Bromomethane
Concen: 0.437 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

Tgt Ion: 94 Resp: 423
Ion Ratio Lower Upper
94 100
96 50.4 76.4 114.6#

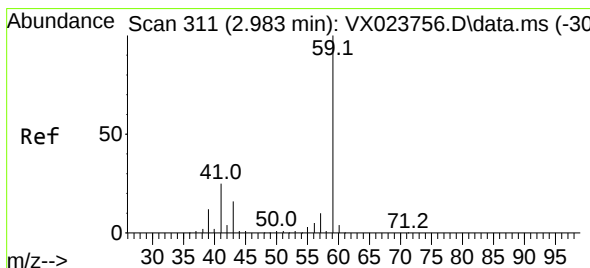
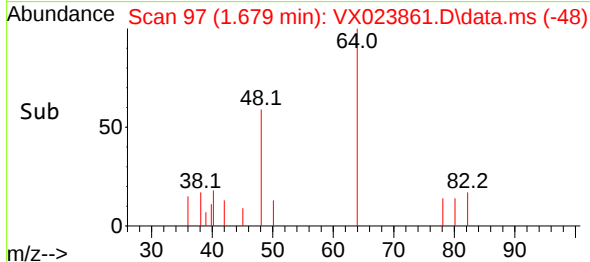
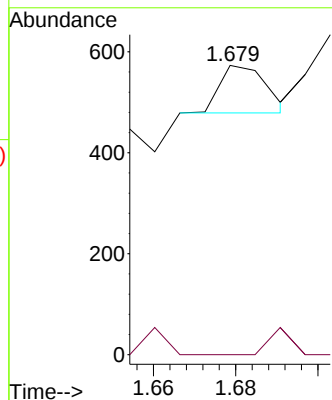
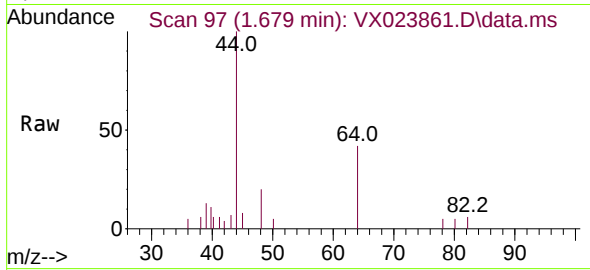




#6
Chloroethane
Concen: 2.273 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

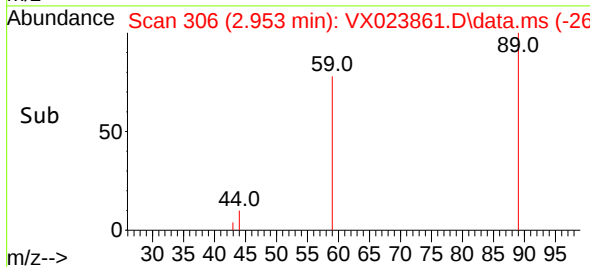
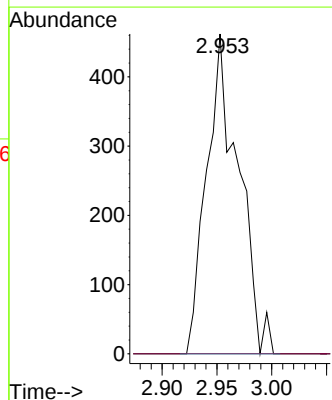
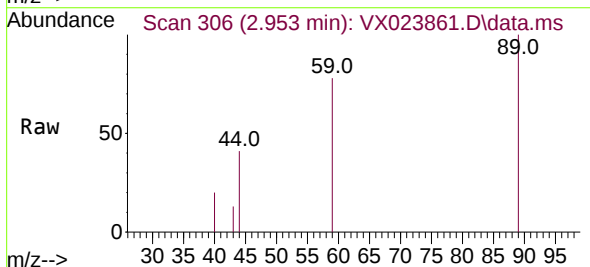
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-8-(309.00)

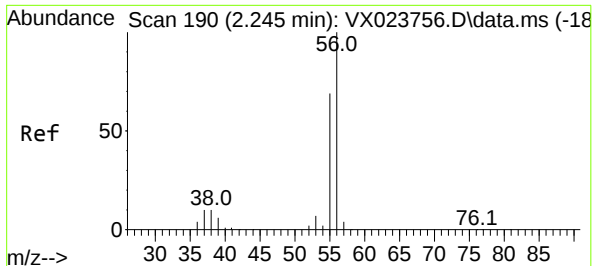
Tgt Ion: 64 Resp: 74
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 2.430 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

Tgt Ion: 59 Resp: 934
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

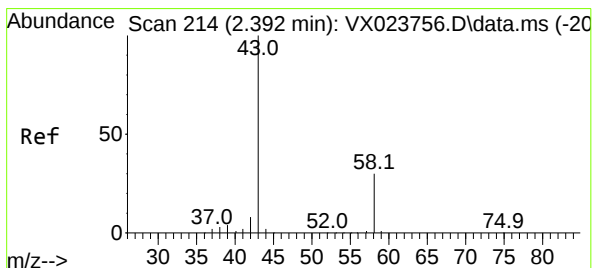
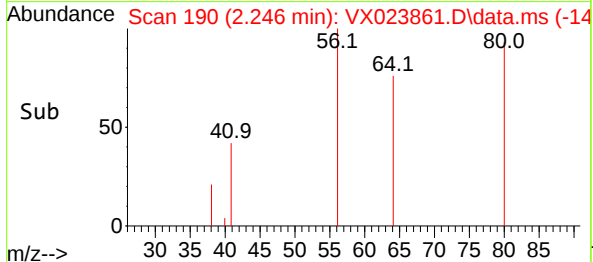
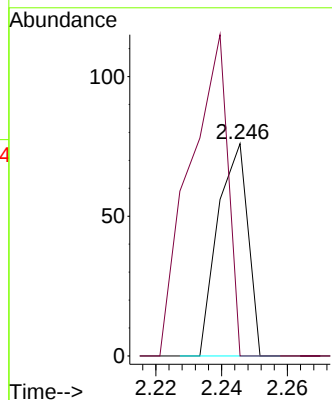
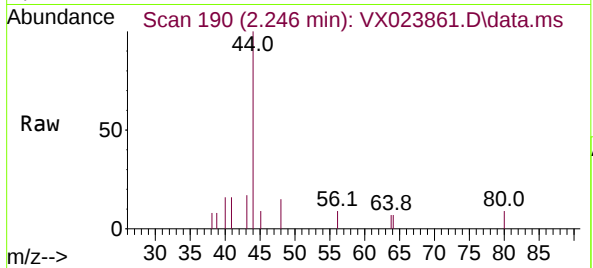




#13
Acrolein
Concen: 0.210 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.001 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

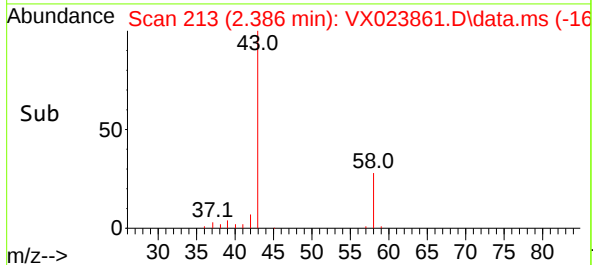
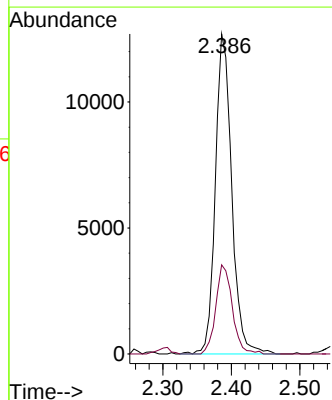
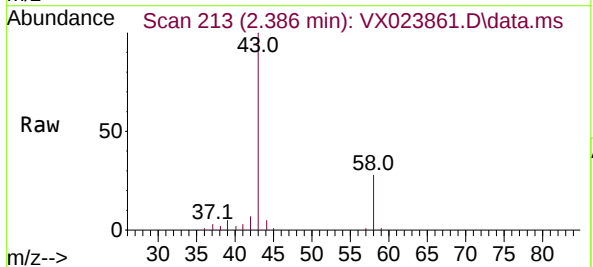
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-8-(309.00)

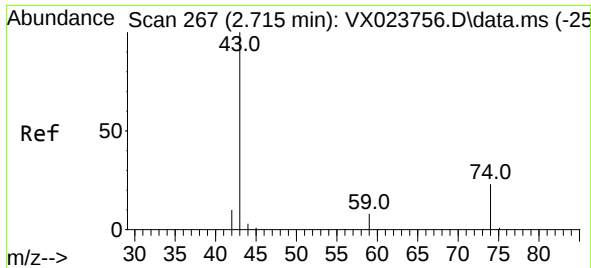
Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
55 191.7 56.4 84.6#



#16
Acetone
Concen: 24.734 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

Tgt Ion: 43 Resp: 21021
Ion Ratio Lower Upper
43 100
58 27.9 27.8 41.8

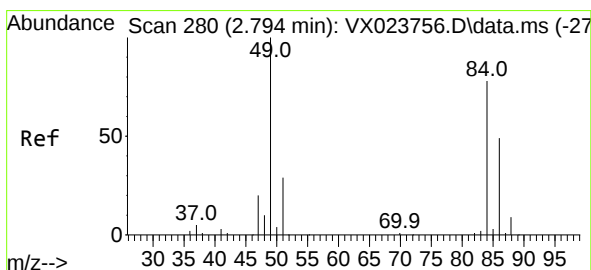
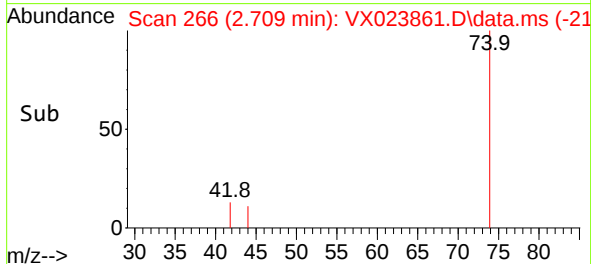
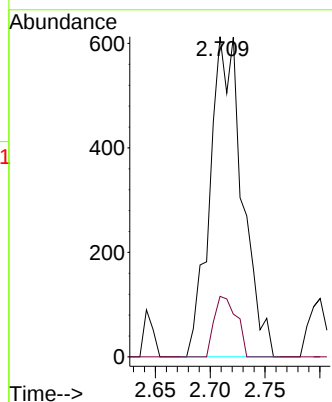
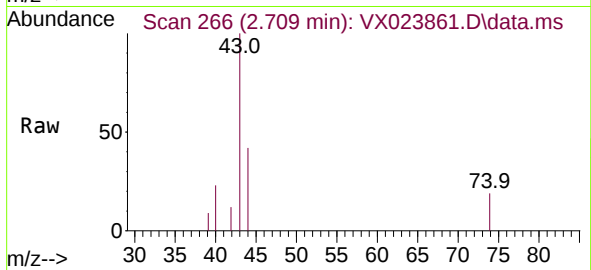




#18
Methyl Acetate
Concen: 0.597 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

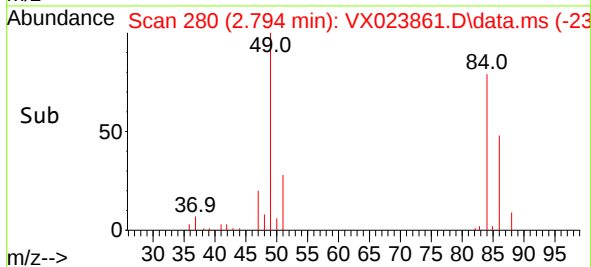
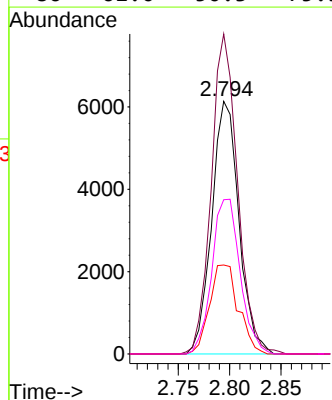
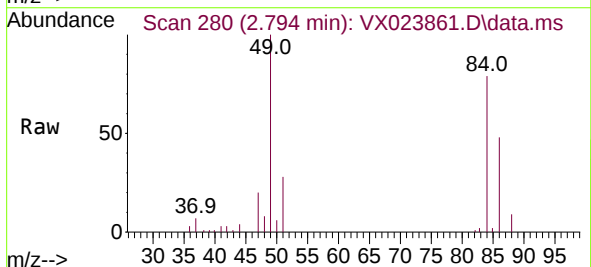
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-8-(309.00)

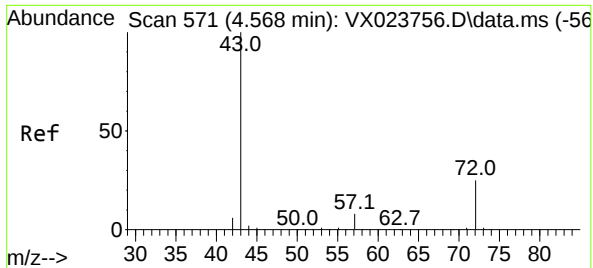
Tgt Ion: 43 Resp: 1266
Ion Ratio Lower Upper
43 100
74 13.0 21.9 32.9#



#20
Methylene Chloride
Concen: 6.954 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

Tgt Ion: 84 Resp: 11289
Ion Ratio Lower Upper
84 100
49 126.7 88.6 132.8
51 35.2 27.0 40.6
86 61.0 50.3 75.5

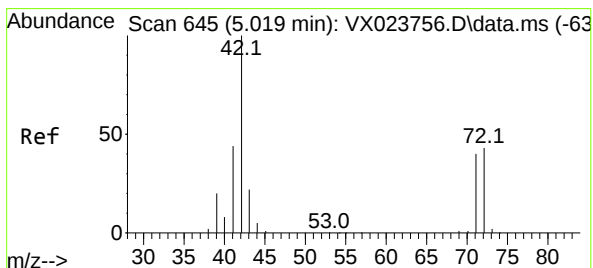
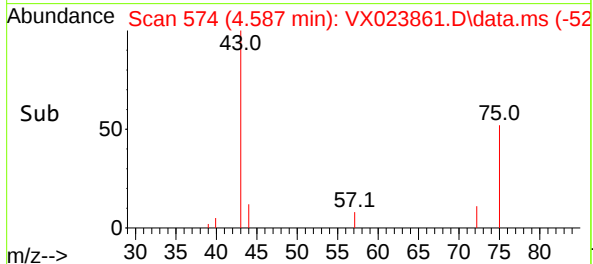
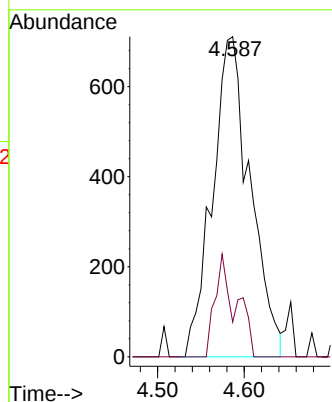
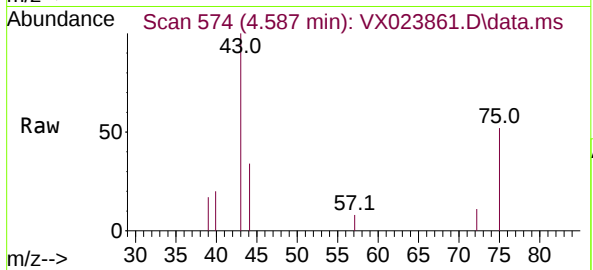




#25
2-Butanone
Concen: 1.673 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

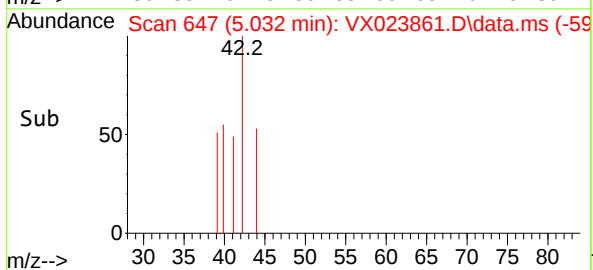
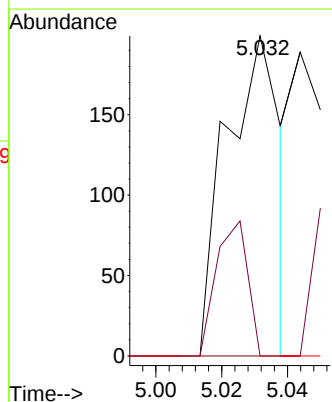
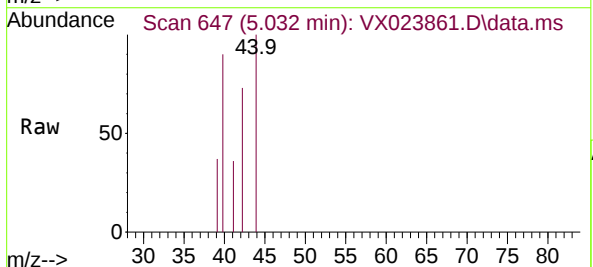
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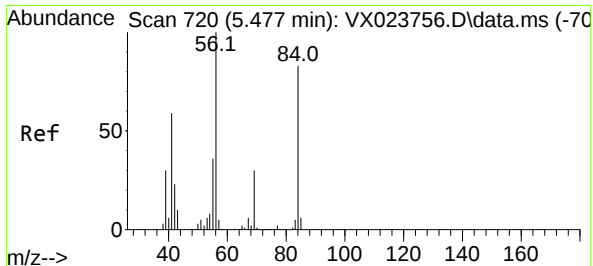
Tgt Ion: 43 Resp: 2154
Ion Ratio Lower Upper
43 100
72 10.8 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.273 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.013 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

Tgt Ion: 42 Resp: 228
Ion Ratio Lower Upper
42 100
72 24.6 41.7 62.5#
71 0.0 38.4 57.6#





#31

Cyclohexane

Concen: 1.236 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX023861.D

Acq: 20 Aug 2021 00:28

Instrument :

MSVOA_X

ClientSampleId :

SAMPLE-8-(309.00)

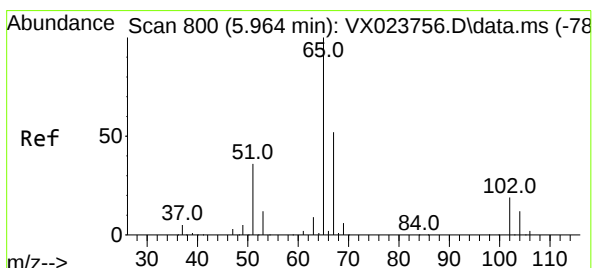
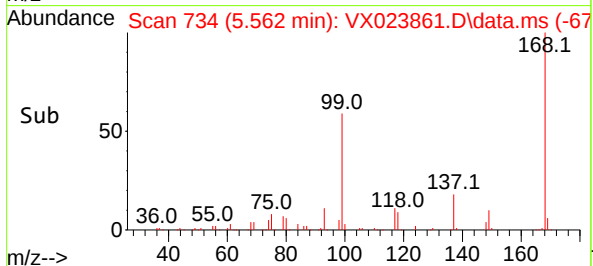
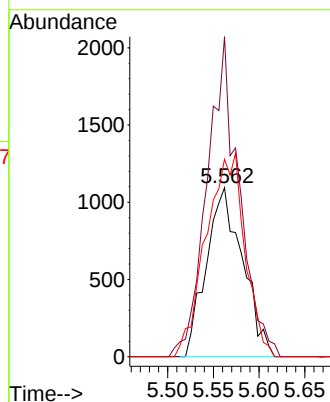
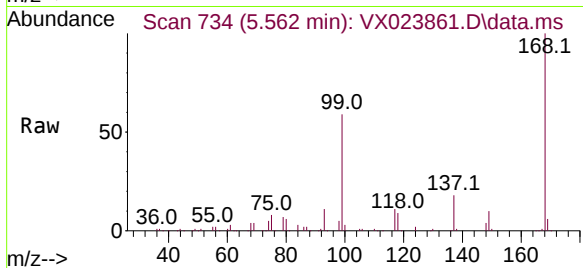
Tgt Ion: 56 Resp: 3019

Ion Ratio Lower Upper

56 100

69 189.4 25.3 37.9#

84 116.9 71.4 107.0#



#33

1,2-Dichloroethane-d4

Concen: 51.421 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023861.D

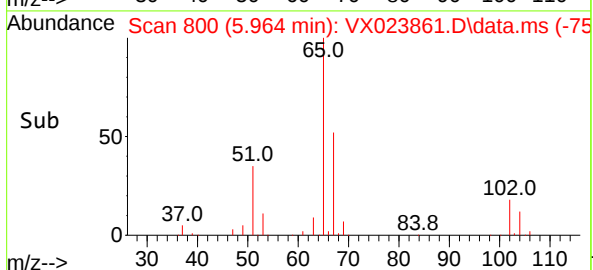
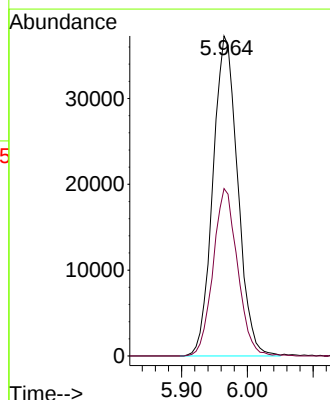
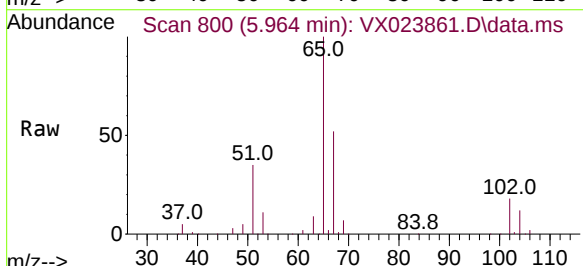
Acq: 20 Aug 2021 00:28

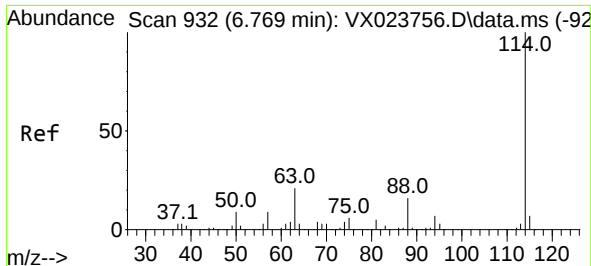
Tgt Ion: 65 Resp: 97741

Ion Ratio Lower Upper

65 100

67 51.6 0.0 105.4

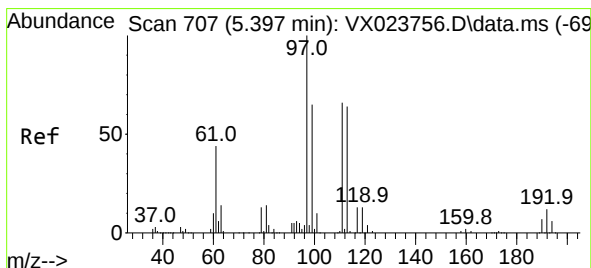
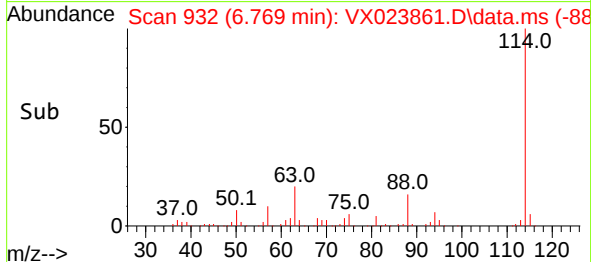
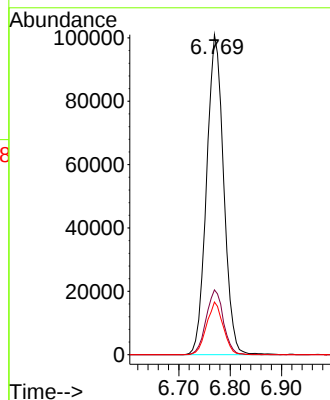
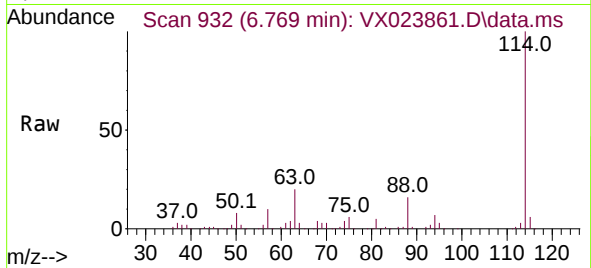




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

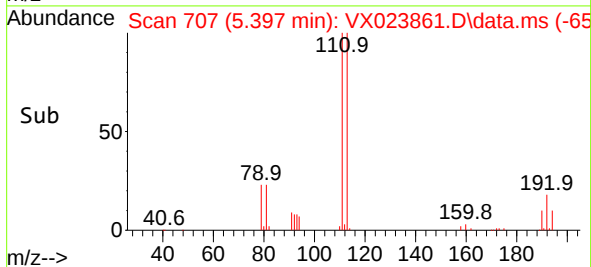
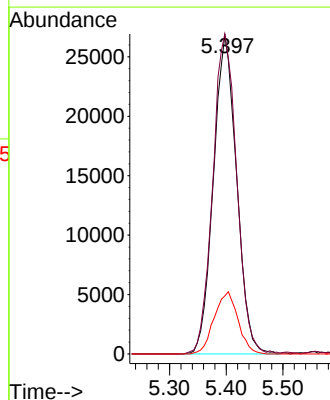
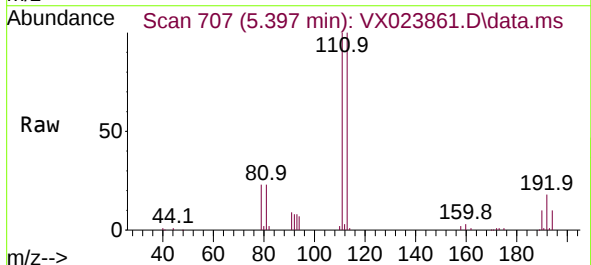
Instrument :
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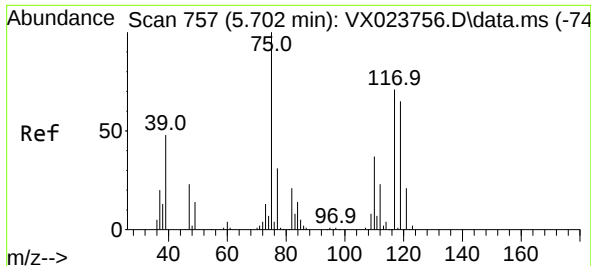
Tgt Ion:114 Resp: 232846
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.457 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

Tgt Ion:113 Resp: 76220
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 20.0 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.018 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX023861.D

Acq: 20 Aug 2021 00:28

Tgt Ion: 75 Resp: 10820

Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.4#

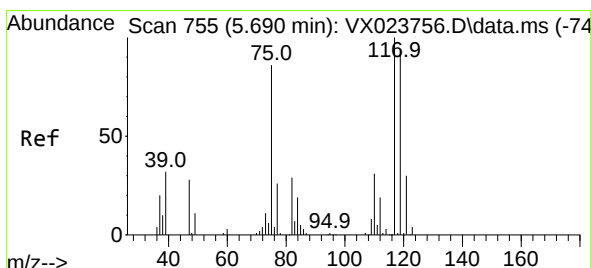
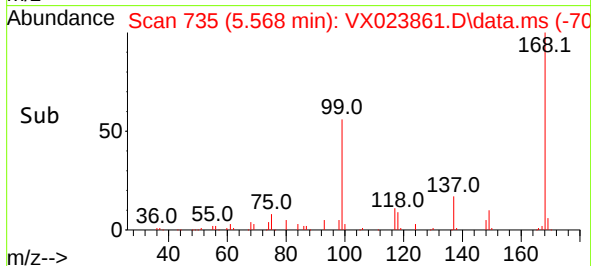
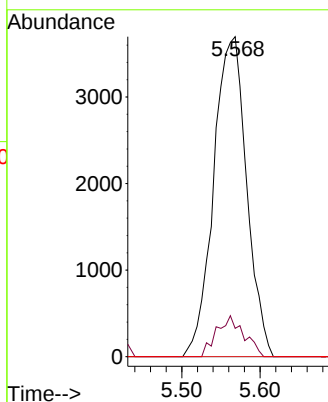
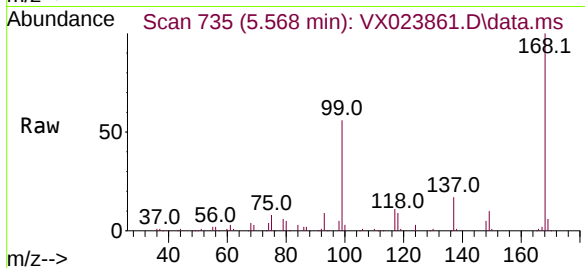
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :

SAMPLE-8-(309.00)



#38

Carbon Tetrachloride

Concen: 6.381 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX023861.D

Acq: 20 Aug 2021 00:28

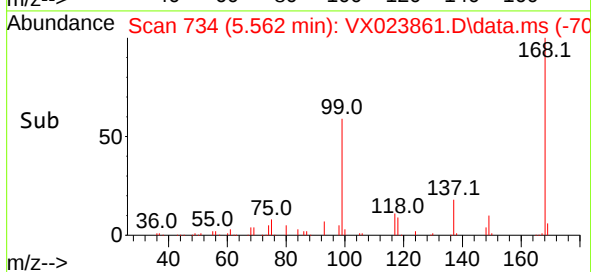
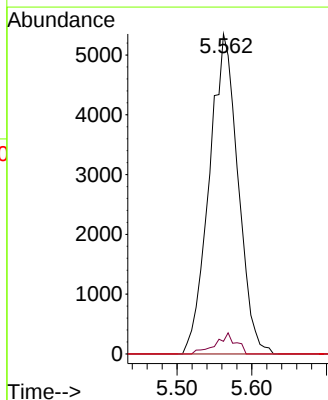
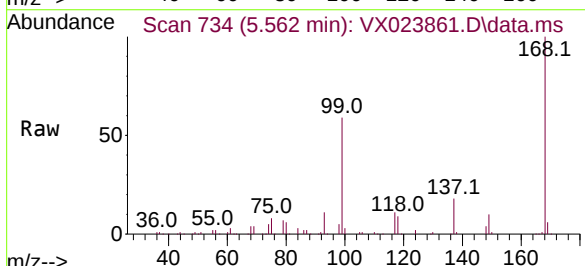
Tgt Ion:117 Resp: 14347

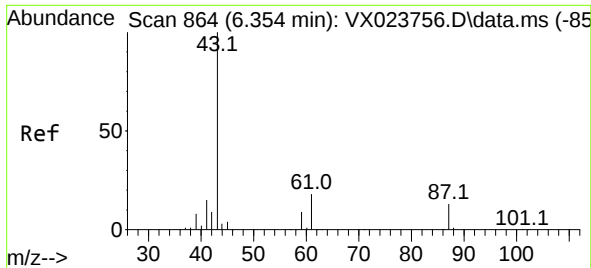
Ion Ratio Lower Upper

117 100

119 3.9 76.2 114.2#

121 0.0 24.8 37.2#

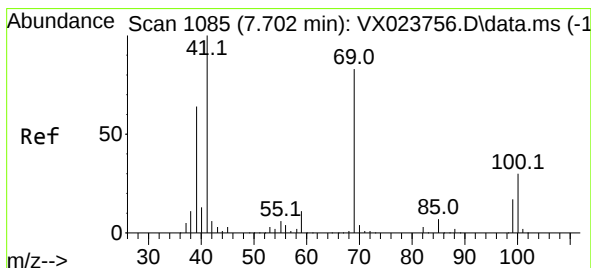
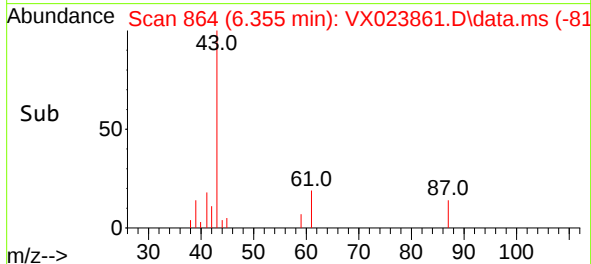
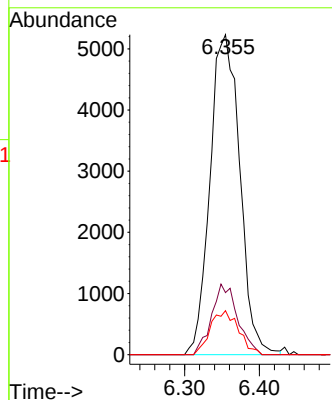
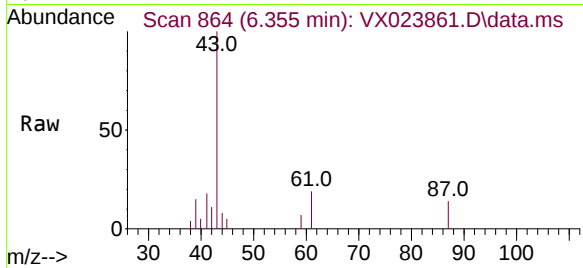




#43
Isopropyl Acetate
Concen: 3.496 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

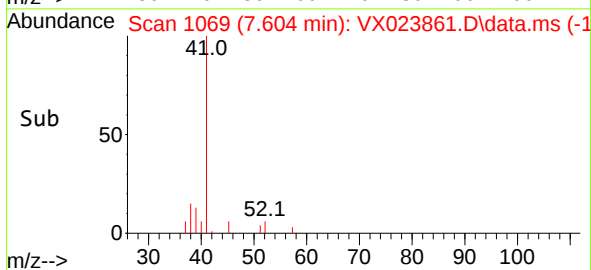
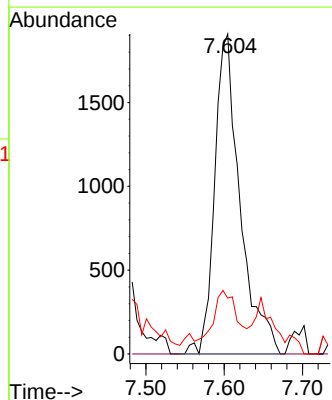
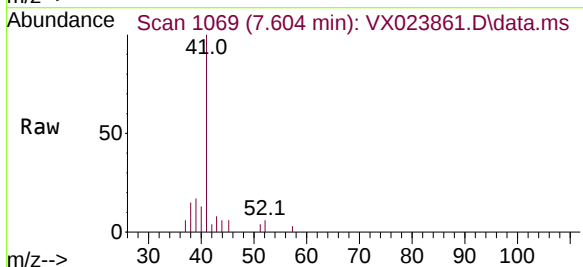
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-8-(309.00)

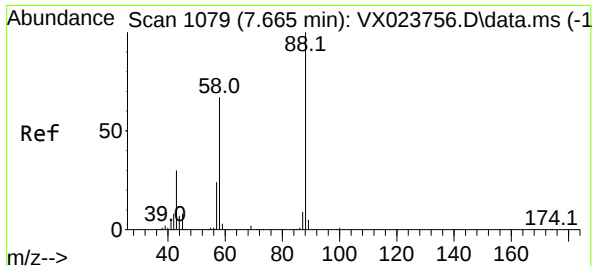
Tgt Ion:	43	Resp:	14493
Ion	Ratio	Lower	Upper
43	100		
61	19.3	18.2	27.4
87	13.0	12.5	18.7



#48
Methyl methacrylate
Concen: 2.124 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

Tgt Ion:	41	Resp:	4296
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#

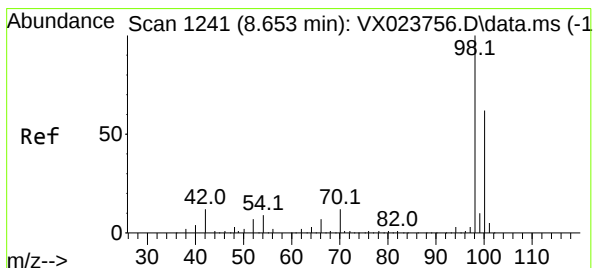
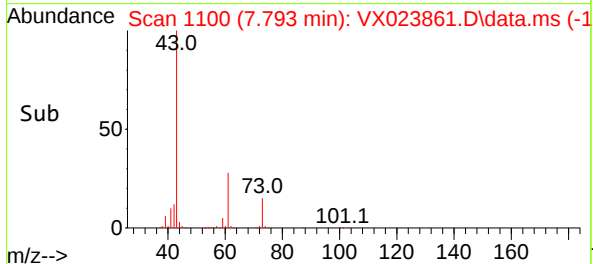
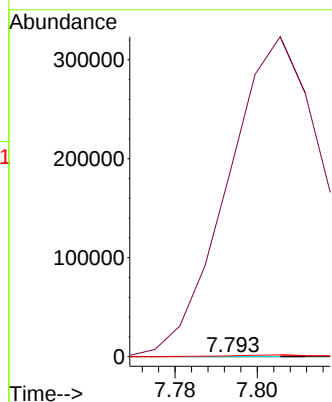
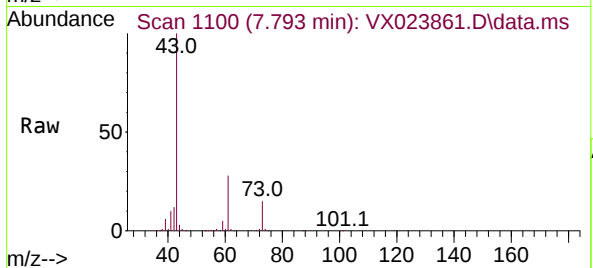




#49
1,4-Dioxane
Concen: 0.515 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

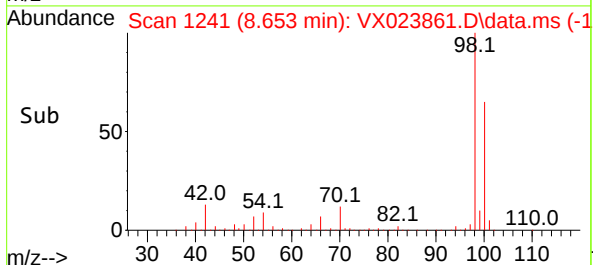
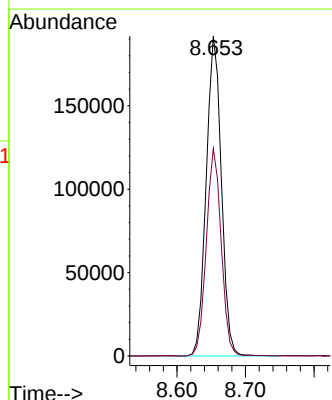
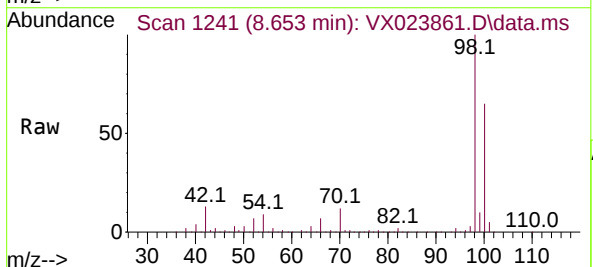
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-8-(309.00)

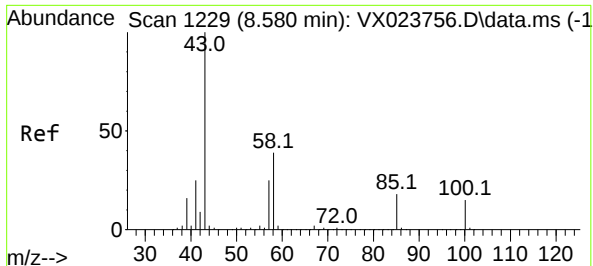
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 2478572.7 23.2 34.8#
58 12859.1 55.0 82.4#



#50
Toluene-d8
Concen: 50.387 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

Tgt Ion: 98 Resp: 295556
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9

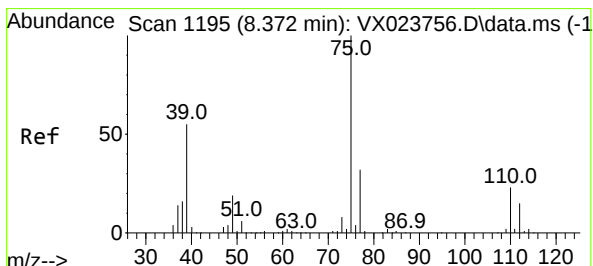
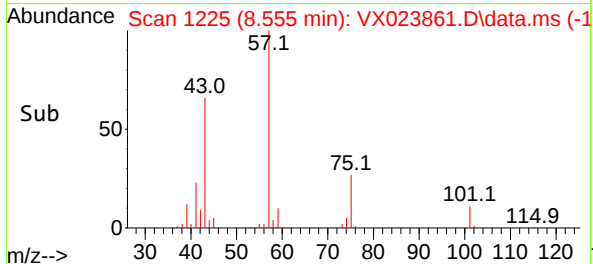
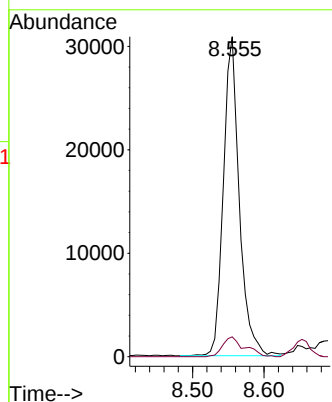
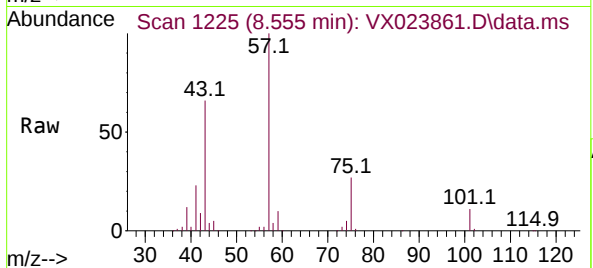




#51
4-Methyl-2-Pentanone
Concen: 17.821 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

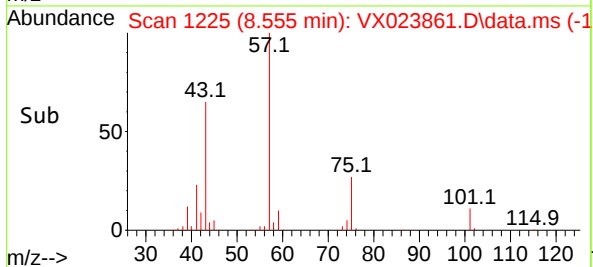
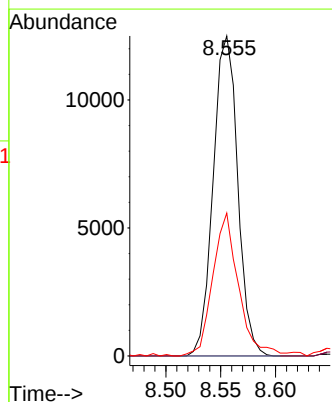
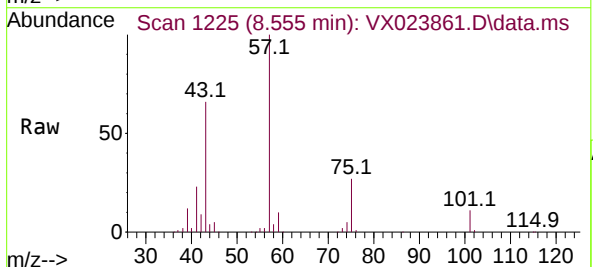
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-8-(309.00)

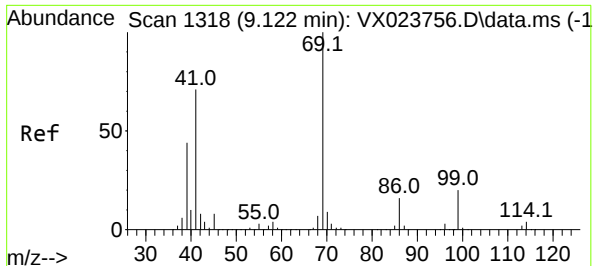
Tgt Ion: 43 Resp: 47761
Ion Ratio Lower Upper
43 100
58 8.6 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 7.531 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

Tgt Ion: 75 Resp: 19450
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 44.6 35.1 52.7





#56

Ethyl methacrylate

Concen: 0.791 ug/l

RT: 9.244 min Scan# 1338

Delta R.T. 0.122 min

Lab File: VX023861.D

Acq: 20 Aug 2021 00:28

Tgt Ion: 69 Resp: 93

Ion Ratio Lower Upper

69 100

41 5649.5 46.8 70.2#

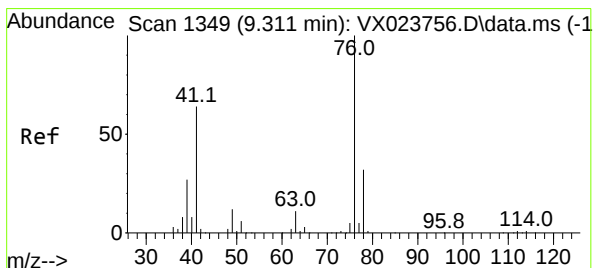
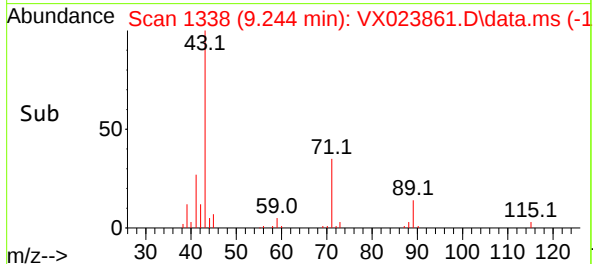
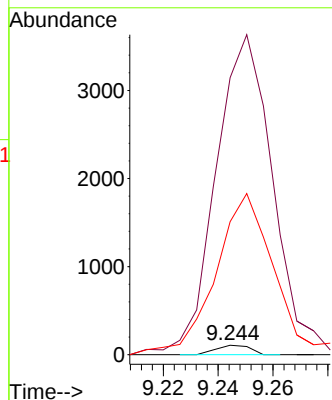
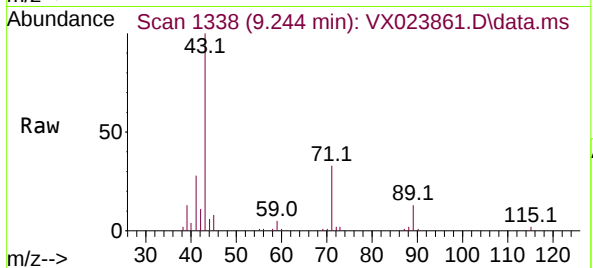
39 2900.0 24.7 37.1#

Instrument :

MSVOA_X

ClientSampleId :

SAMPLE-8-(309.00)



#57

1,3-Dichloropropane

Concen: 2.452 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX023861.D

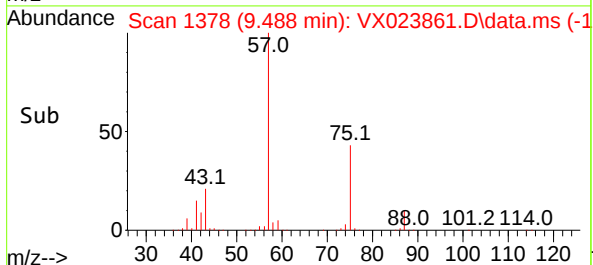
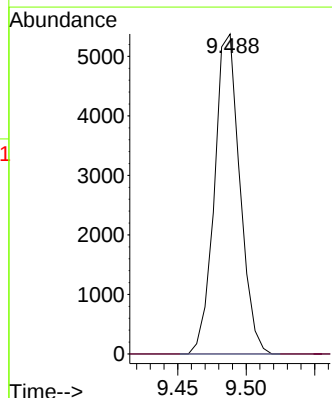
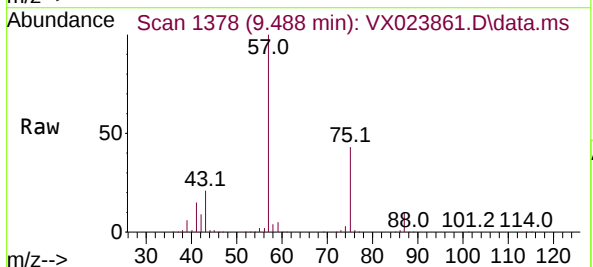
Acq: 20 Aug 2021 00:28

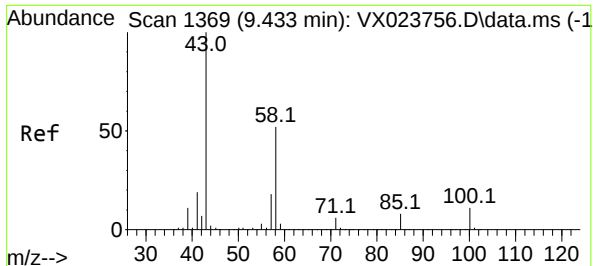
Tgt Ion: 76 Resp: 6919

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#

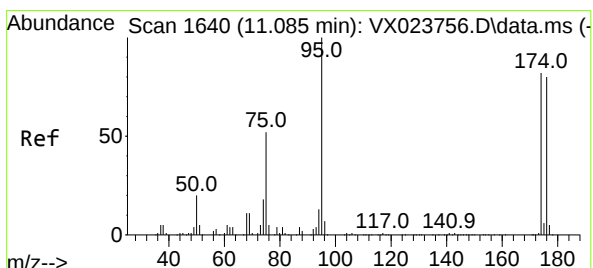
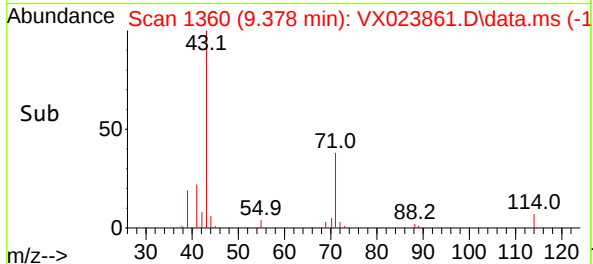
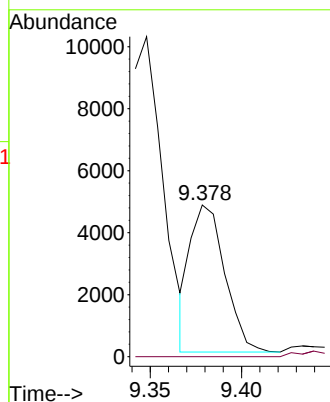
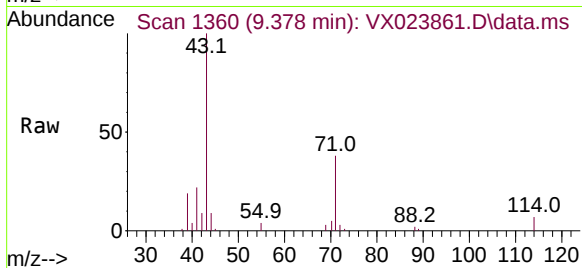




#59
2-Hexanone
Concen: 3.046 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

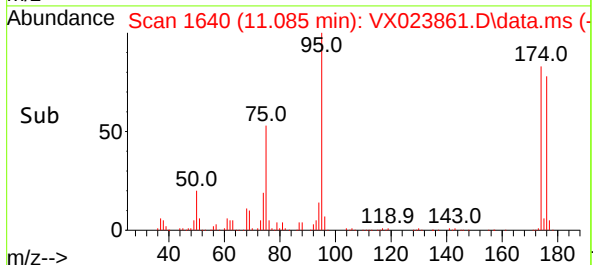
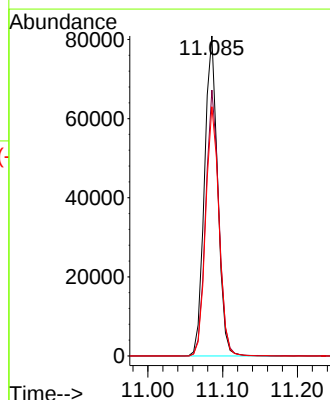
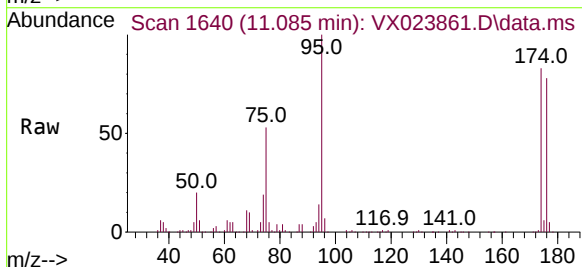
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-8-(309.00)

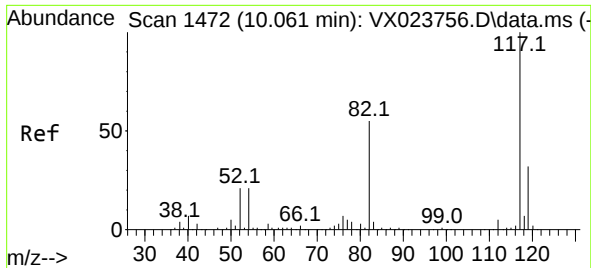
Tgt Ion: 43 Resp: 6275
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 45.944 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

Tgt Ion: 95 Resp: 99207
Ion Ratio Lower Upper
95 100
174 83.1 0.0 154.6
176 78.8 0.0 155.8

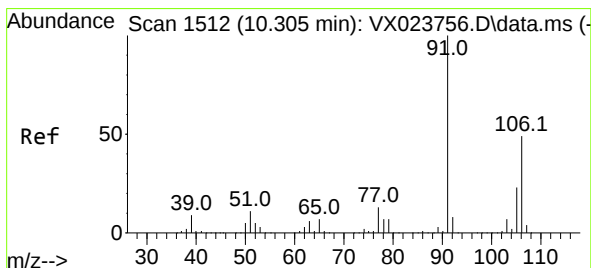
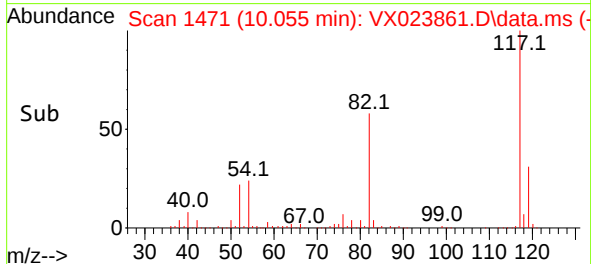
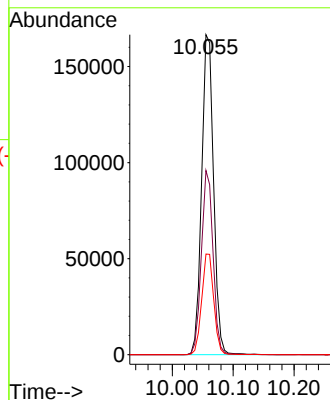
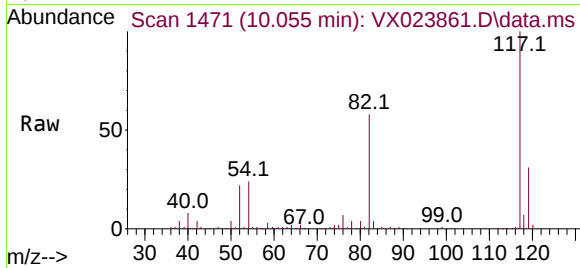




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

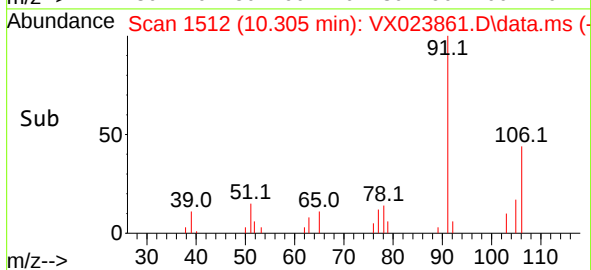
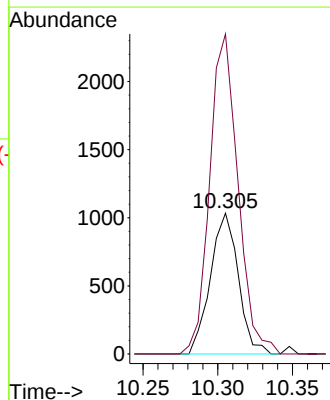
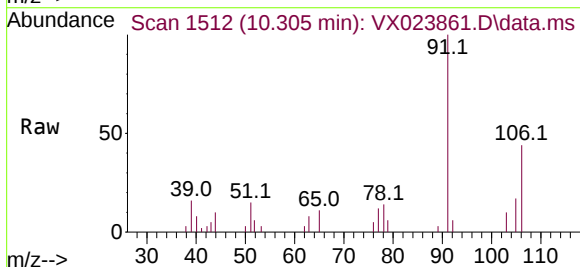
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-8-(309.00)

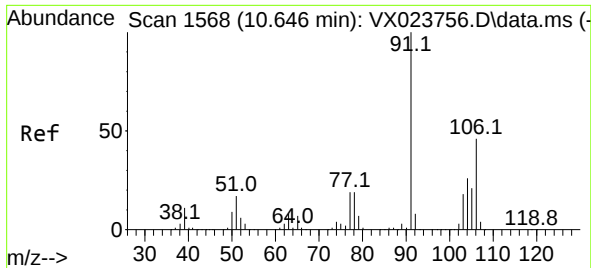
Tgt Ion:117 Resp: 227279
Ion Ratio Lower Upper
117 100
82 57.5 47.4 71.2
119 31.5 26.6 39.8



#68
m/p-Xylenes
Concen: 0.425 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

Tgt Ion:106 Resp: 1341
Ion Ratio Lower Upper
106 100
91 230.2 162.8 244.2

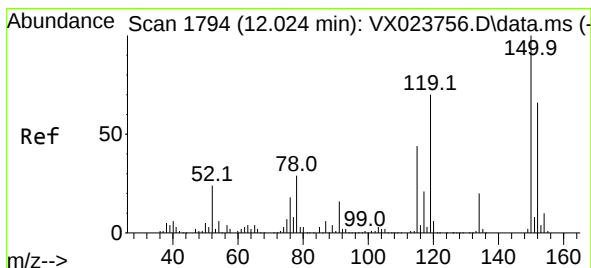
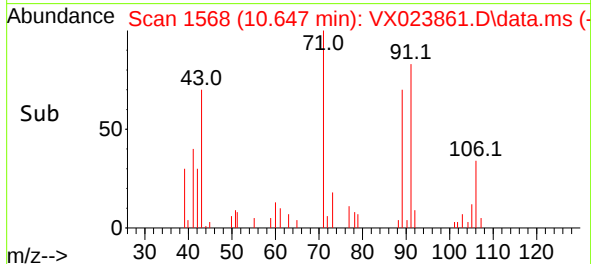
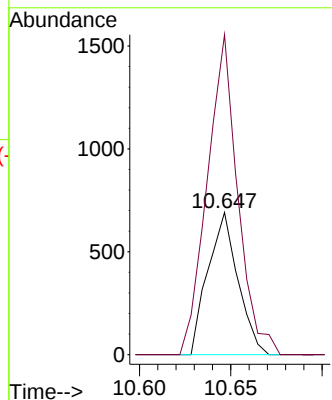
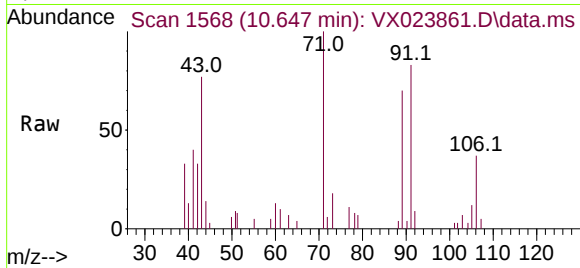




#69
o-Xylene
Concen: 0.255 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.001 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

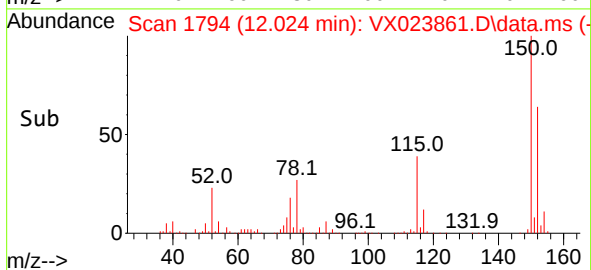
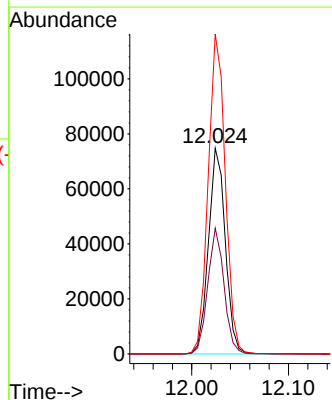
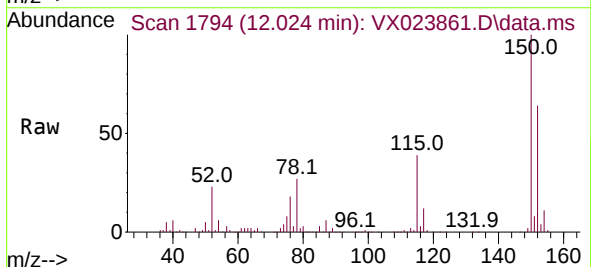
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-8-(309.00)

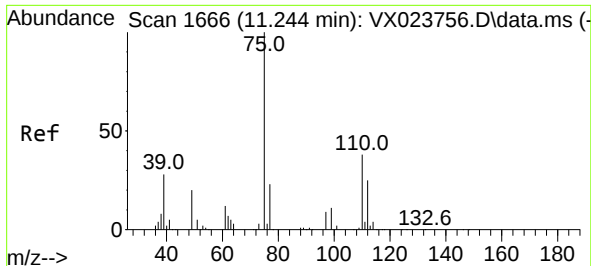
Tgt Ion:106 Resp: 791
Ion Ratio Lower Upper
106 100
91 228.4 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

Tgt Ion:152 Resp: 90939
Ion Ratio Lower Upper
152 100
115 59.1 41.1 123.3
150 157.3 0.0 349.0

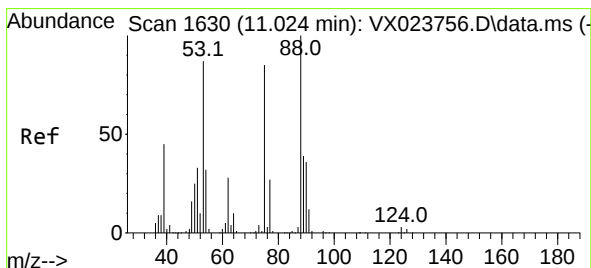
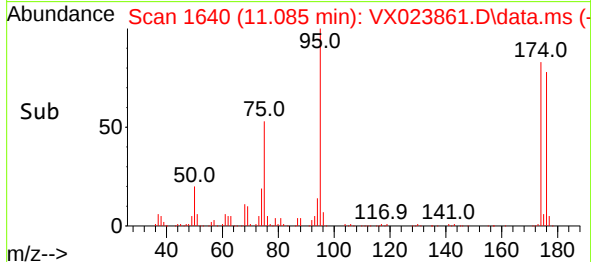
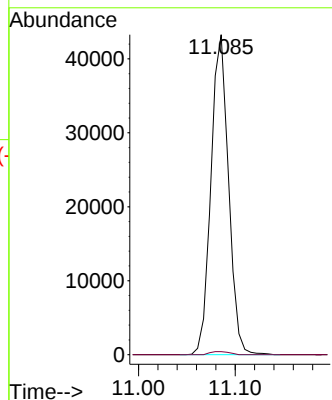
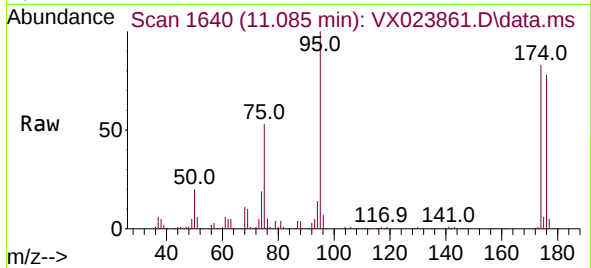




#76
1,2,3-Trichloropropane
Concen: 25.749 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-8-(309.00)

Tgt Ion: 75 Resp: 54624
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.743 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023861.D
Acq: 20 Aug 2021 00:28

Tgt Ion: 75 Resp: 54624
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

