

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082021\
 Data File : VX023860.D
 Acq On : 20 Aug 2021 00:04
 Operator : JC/MD
 Sample : M3468-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SAMPLE-9-(322.00)

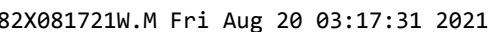
Quant Time: Aug 20 03:17:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	132006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	227293	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	96033	52.124	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.240%			
35) Dibromofluoromethane	5.397	113	74514	49.531	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.060%			
50) Toluene-d8	8.653	98	284543	49.695	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.380%			
62) 4-Bromofluorobenzene	11.085	95	92893	44.071	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.140%			
Target Compounds					Qvalue	
6) Chloroethane	1.709	64	633	2.703	ug/l #	43
11) Tert butyl alcohol	2.959	59	1069	2.869	ug/l #	73
16) Acetone	2.386	43	23689	28.756	ug/l #	87
18) Methyl Acetate	2.715	43	1224	0.595	ug/l	90
20) Methylene Chloride	2.794	84	12855	8.169	ug/l #	87
25) 2-Butanone	4.587	43	2237	1.793	ug/l #	84
29) Tetrahydrofuran	5.032	42	579	0.716	ug/l #	36
31) Cyclohexane	5.568	56	2886	1.219	ug/l #	25
36) 1,1-Dichloropropene	5.562	75	10233	4.862	ug/l #	50
38) Carbon Tetrachloride	5.562	117	13376	6.094	ug/l #	16
43) Isopropyl Acetate	6.355	43	16567	4.093	ug/l	92
48) Methyl methacrylate	7.805	41	77967	39.491	ug/l #	38
51) 4-Methyl-2-Pentanone	8.555	43	63723	24.358	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	26501	10.511	ug/l #	73
56) Ethyl methacrylate	9.013	69	137	0.807	ug/l #	29
57) 1,3-Dichloropropane	9.488	76	13078	4.749	ug/l #	42
59) 2-Hexanone	9.378	43	9351	4.650	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	50148	25.666	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	50148	75.498	ug/l #	12
95) Naphthalene	13.780	128	105	1.299	ug/l #	69

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

Quant Time: Aug 20 03:17:27 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

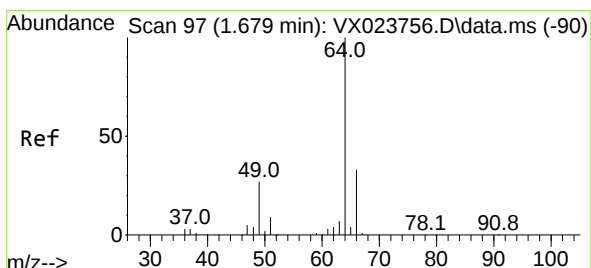
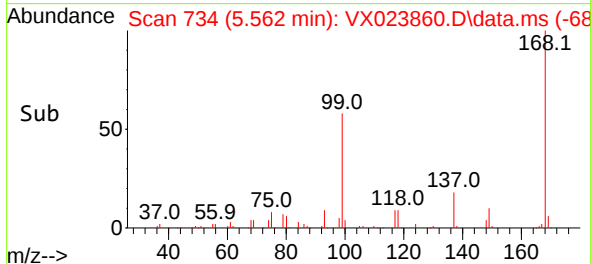
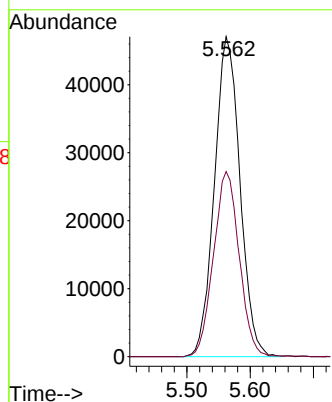
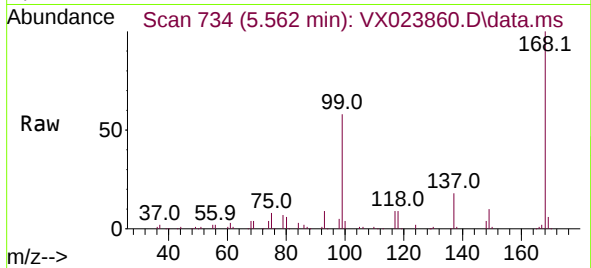




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

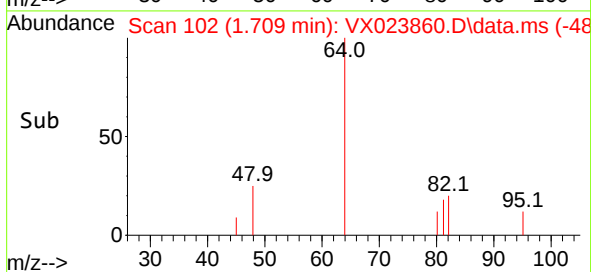
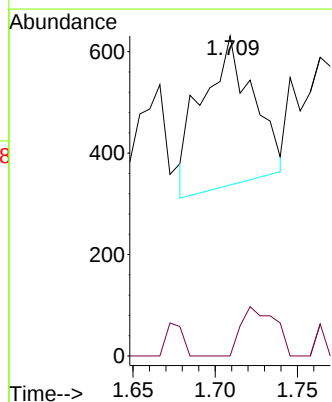
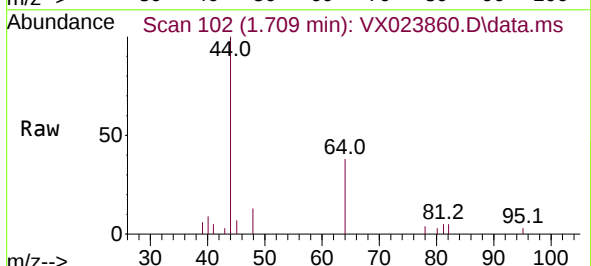
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-9-(322.00)

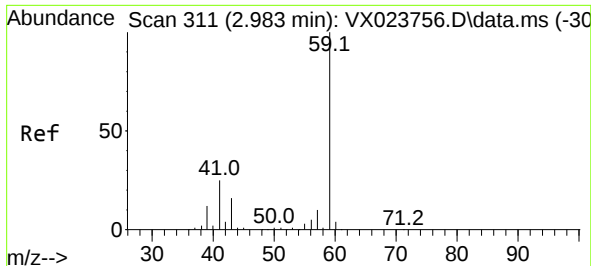
Tgt Ion:168 Resp: 132006
Ion Ratio Lower Upper
168 100
99 57.9 45.8 68.6



#6
Chloroethane
Concen: 2.703 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.030 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

Tgt Ion: 64 Resp: 633
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

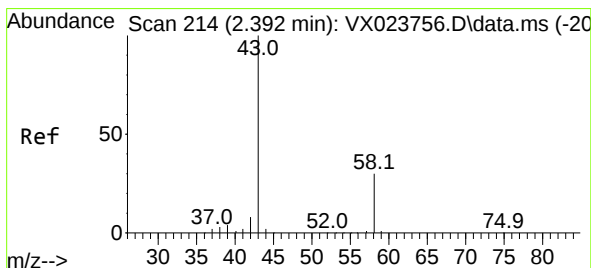
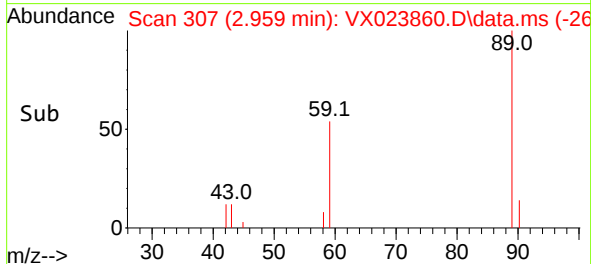
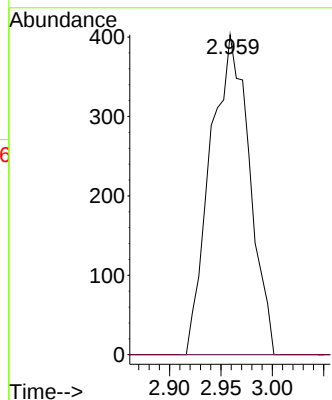
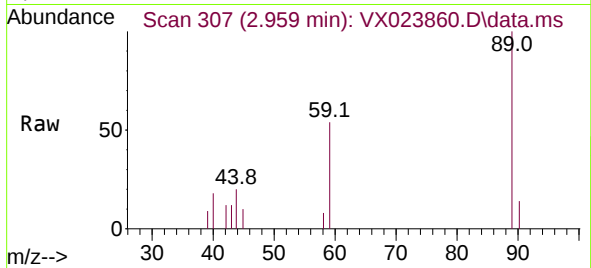




#11
Tert butyl alcohol
Concen: 2.869 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

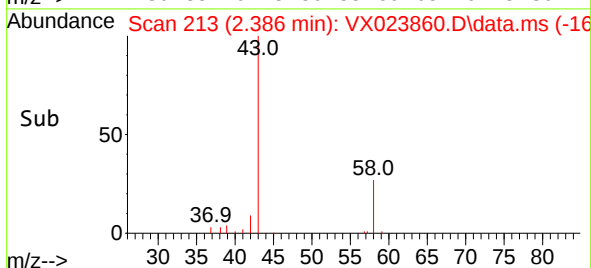
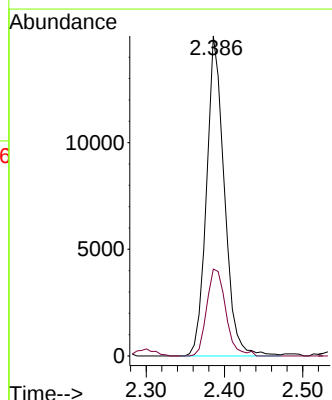
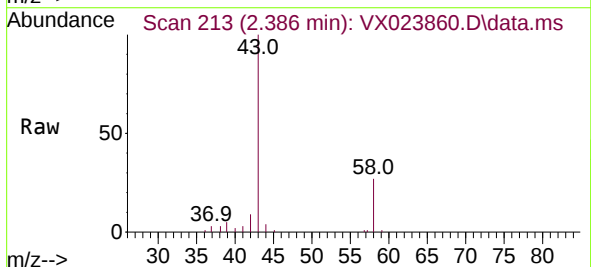
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-9-(322.00)

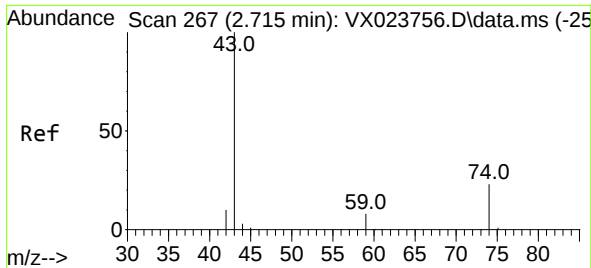
Tgt Ion: 59 Resp: 1069
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 28.756 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

Tgt Ion: 43 Resp: 23689
Ion Ratio Lower Upper
43 100
58 27.1 27.8 41.8#





#18

Methyl Acetate

Concen: 0.595 ug/l

RT: 2.715 min Scan# 267

Delta R.T. -0.000 min

Lab File: VX023860.D

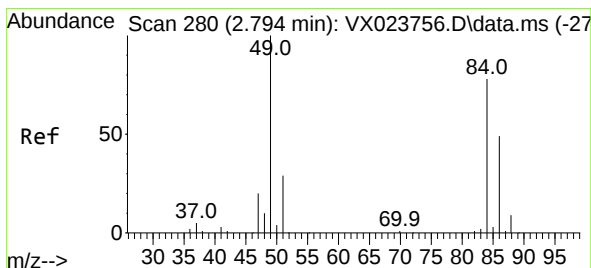
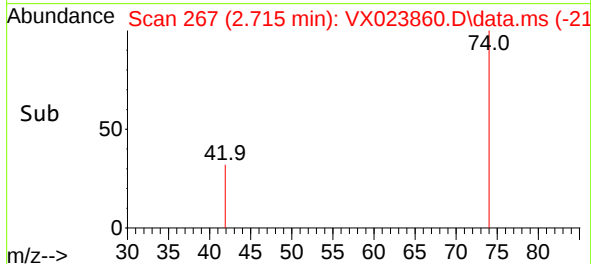
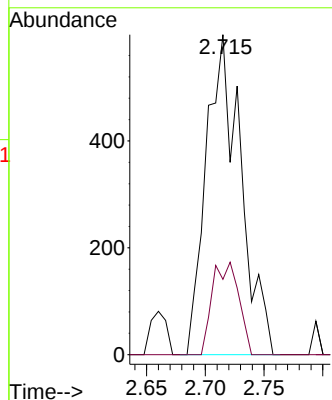
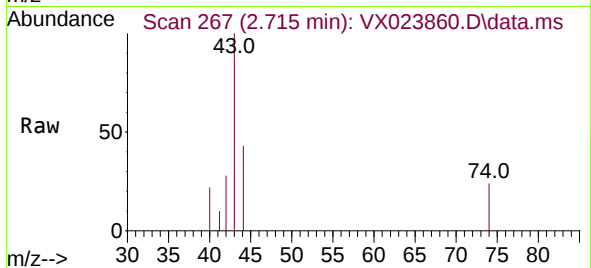
Acq: 20 Aug 2021 00:04

Tgt Ion: 43 Resp: 1224

Ion Ratio Lower Upper

43 100

74 22.1 21.9 32.9



#20

Methylene Chloride

Concen: 8.169 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023860.D

Acq: 20 Aug 2021 00:04

Tgt Ion: 84 Resp: 12855

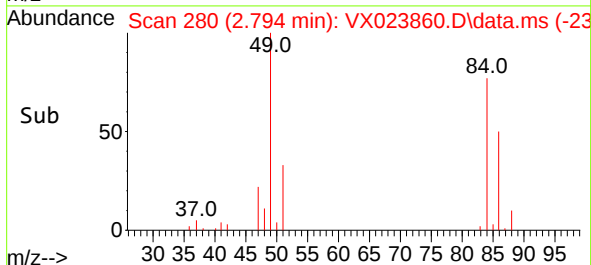
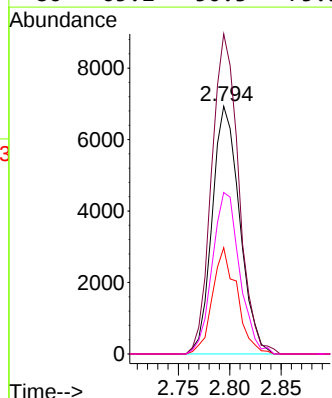
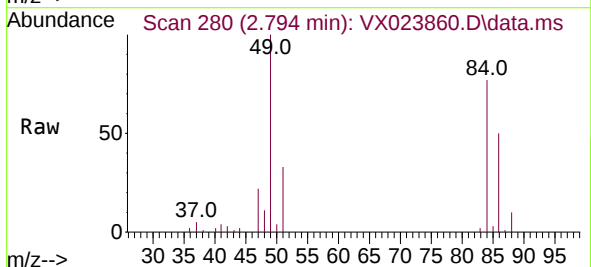
Ion Ratio Lower Upper

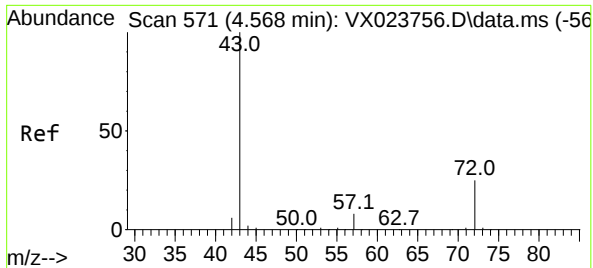
84 100

49 129.2 88.6 132.8

51 42.9 27.0 40.6#

86 65.2 50.3 75.5





#25

2-Butanone

Concen: 1.793 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.019 min

Lab File: VX023860.D

Acq: 20 Aug 2021 00:04

Tgt Ion: 43 Resp: 2237

Ion Ratio Lower Upper

43 100

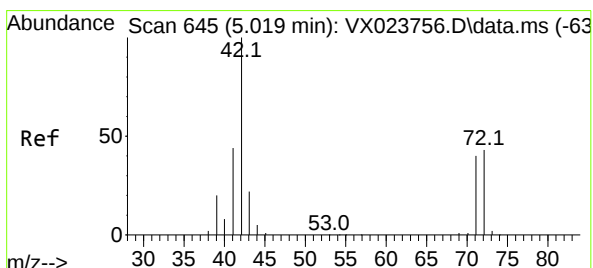
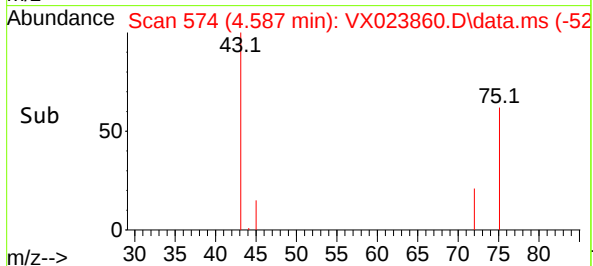
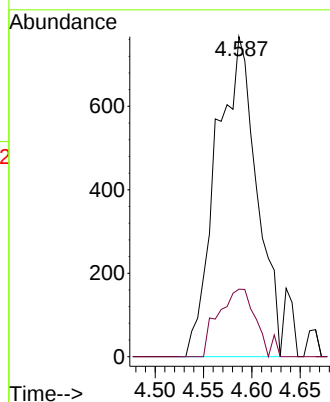
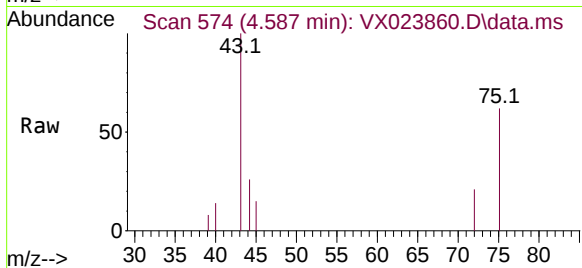
72 21.1 23.7 35.5#

Instrument :

MSVOA_X

ClientSampleId :

SAMPLE-9-(322.00)



#29

Tetrahydrofuran

Concen: 0.716 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX023860.D

Acq: 20 Aug 2021 00:04

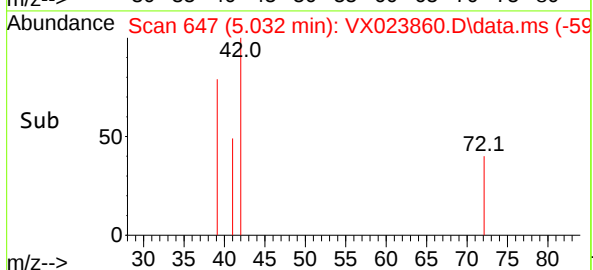
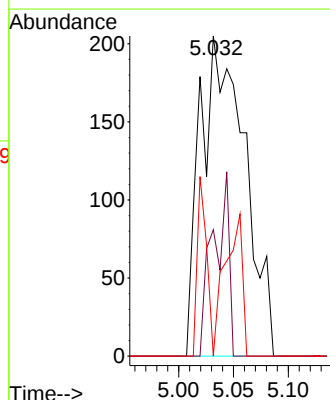
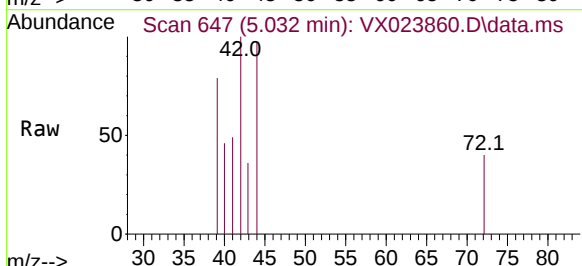
Tgt Ion: 42 Resp: 579

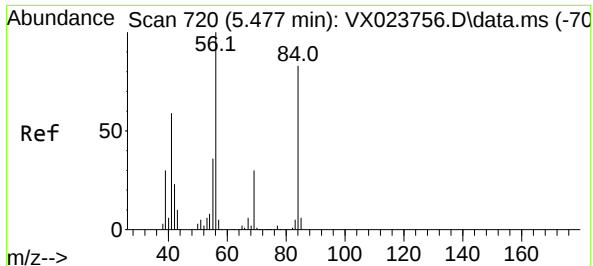
Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

71 11.7 38.4 57.6#

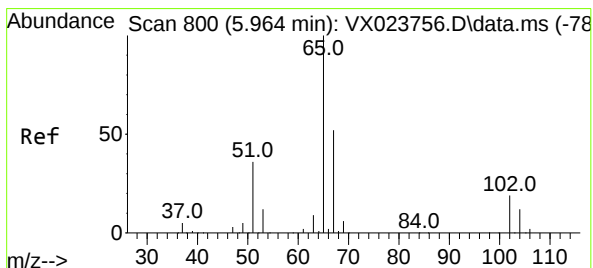
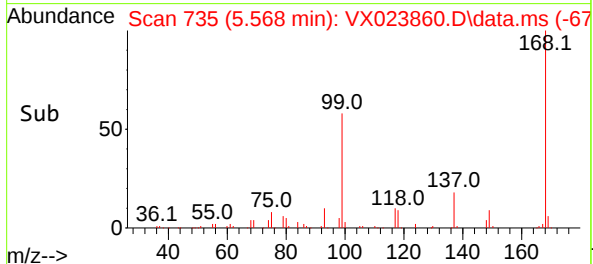
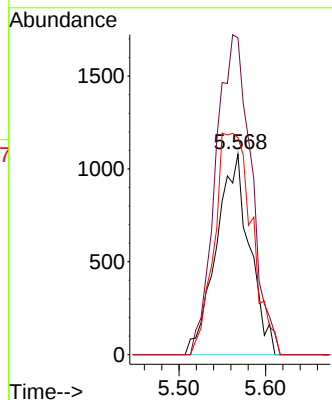
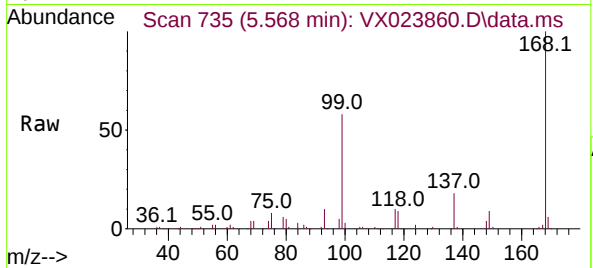




#31
Cyclohexane
Concen: 1.219 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

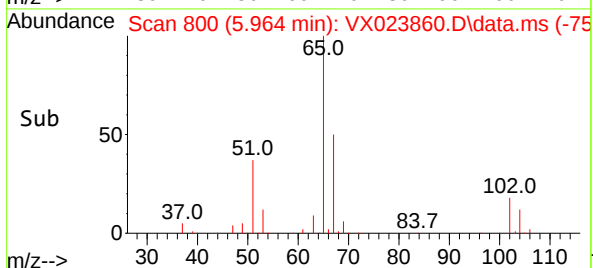
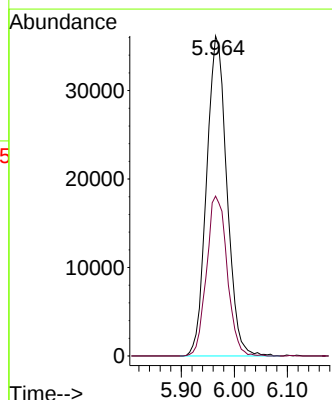
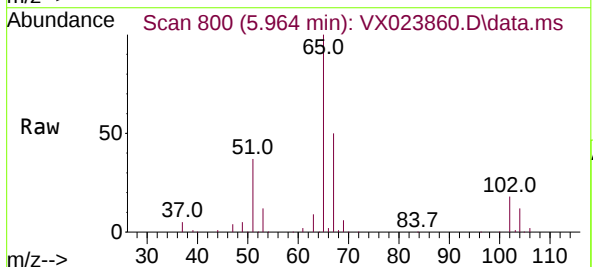
Instrument :
MSVOA_X
ClientSampleId :
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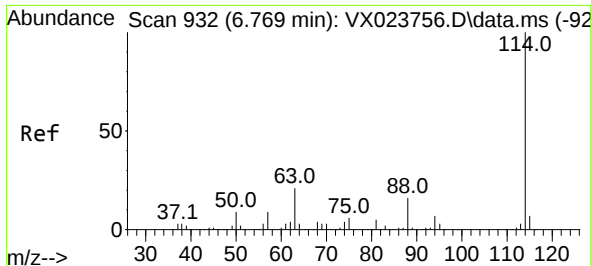
Tgt Ion: 56 Resp: 2886
Ion Ratio Lower Upper
56 100
69 158.0 25.3 37.9#
84 108.2 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 52.124 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

Tgt Ion: 65 Resp: 96033
Ion Ratio Lower Upper
65 100
67 50.7 0.0 105.4

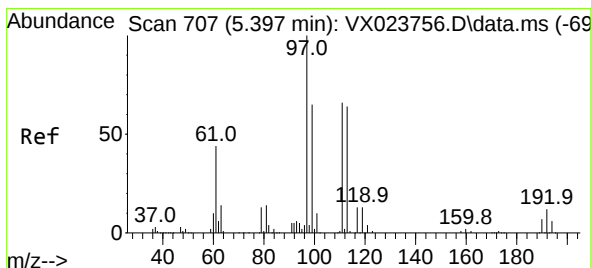
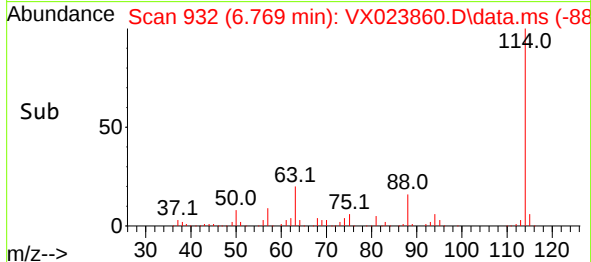
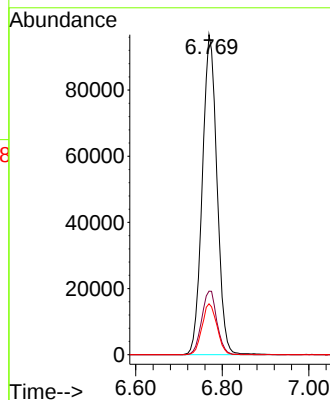
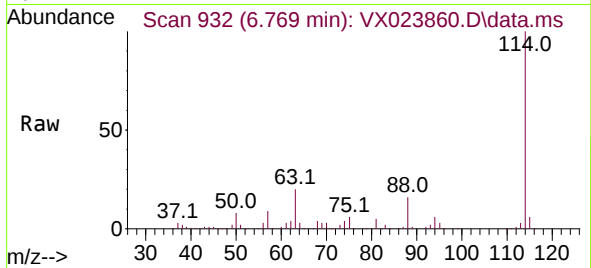




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

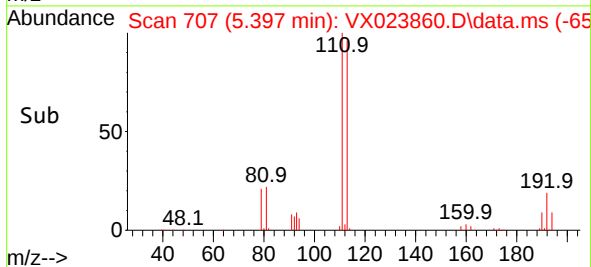
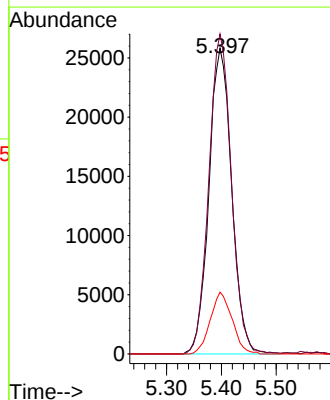
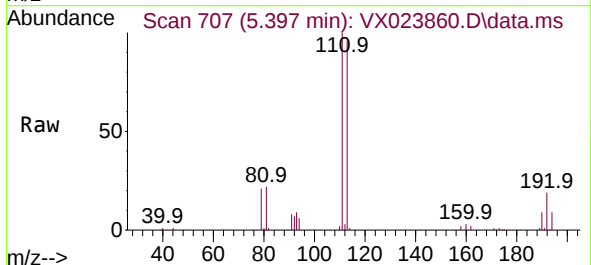
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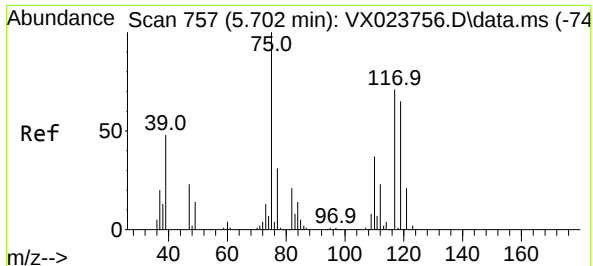
Tgt Ion:114 Resp: 227293
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.8
88 15.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.531 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

Tgt Ion:113 Resp: 74514
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 19.4 16.7 25.1

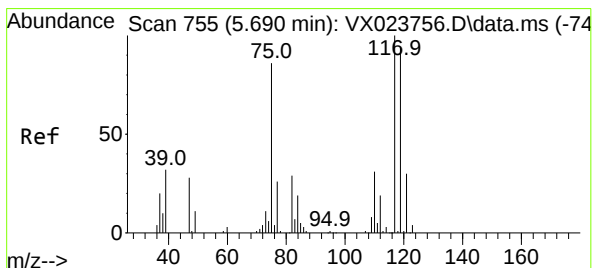
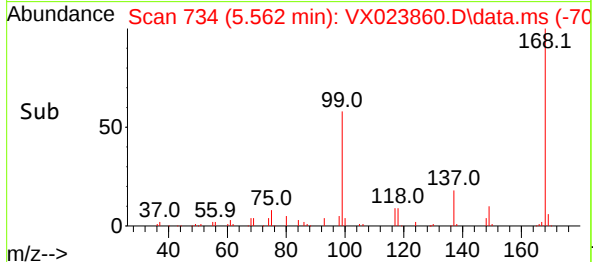
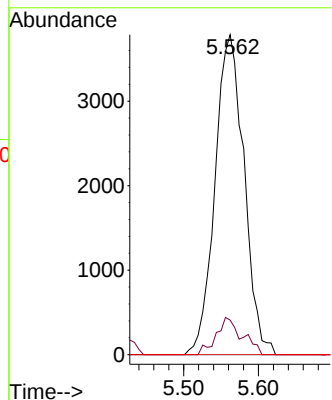
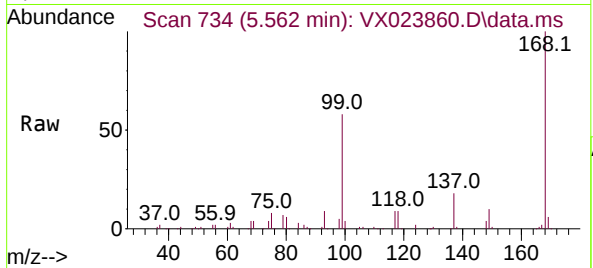




#36
1,1-Dichloropropene
Concen: 4.862 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

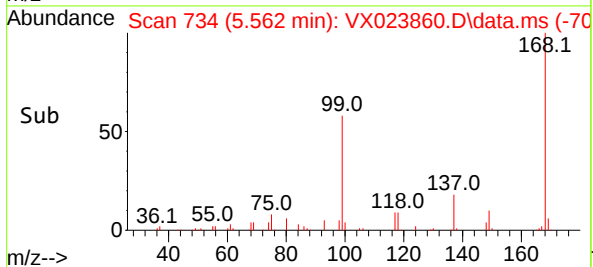
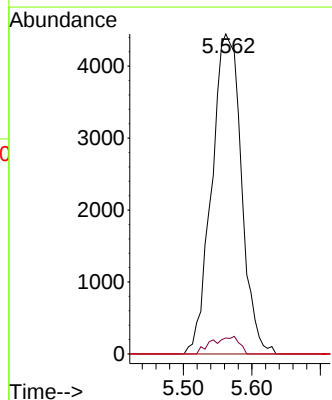
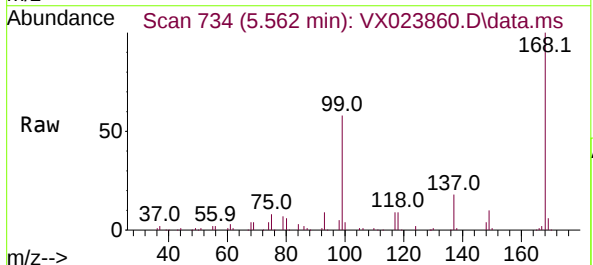
Instrument :
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SAMPLE-9-(322.00)

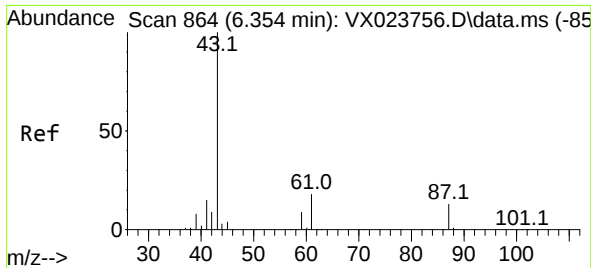
Tgt Ion: 75 Resp: 10233
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.094 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

Tgt Ion: 117 Resp: 13376
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.8 37.2#

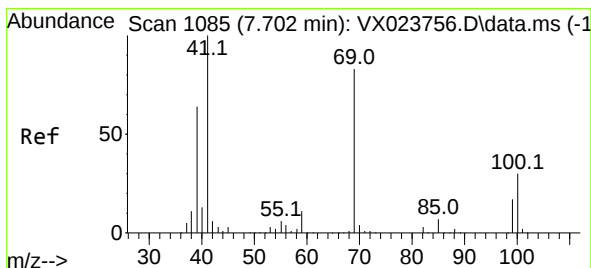
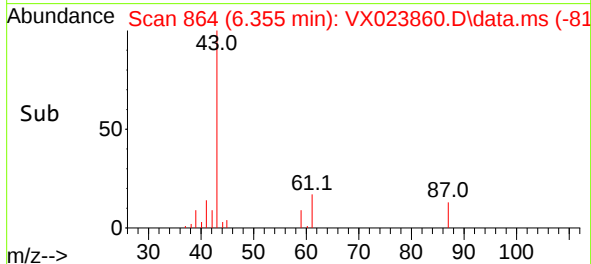
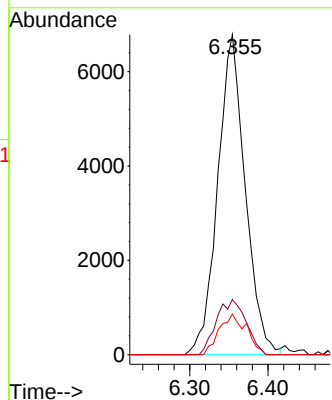
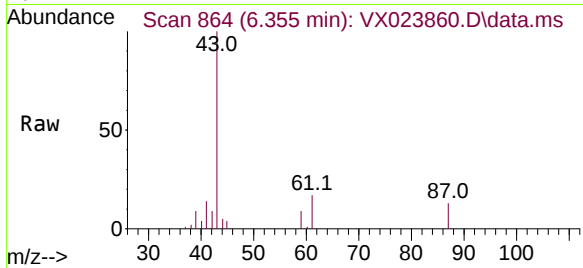




#43
Isopropyl Acetate
Concen: 4.093 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

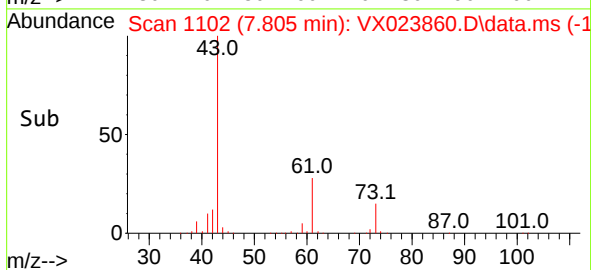
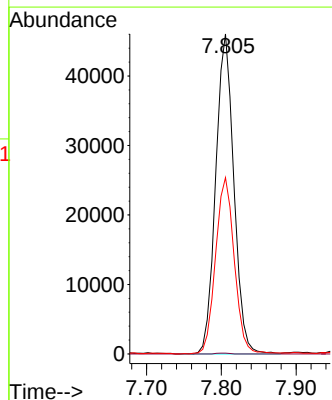
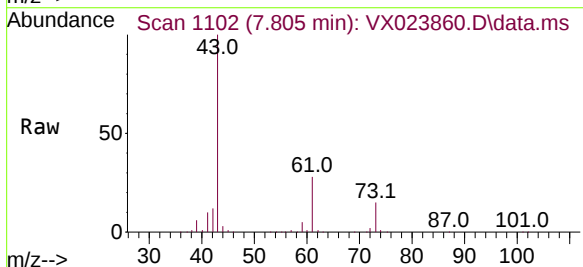
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-9-(322.00)

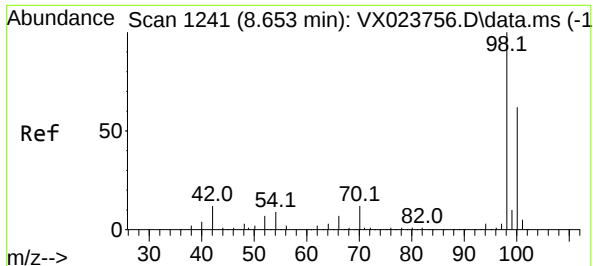
Tgt Ion:	43	Resp:	16567
Ion	Ratio	Lower	Upper
43	100		
61	18.6	18.2	27.4
87	12.5	12.5	18.7



#48
Methyl methacrylate
Concen: 39.491 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

Tgt Ion:	41	Resp:	77967
Ion	Ratio	Lower	Upper
41	100		
69	0.2	76.0	114.0#
39	56.9	44.6	67.0

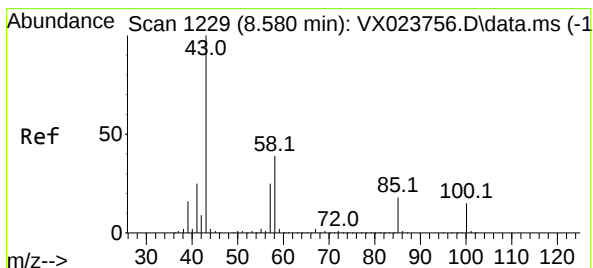
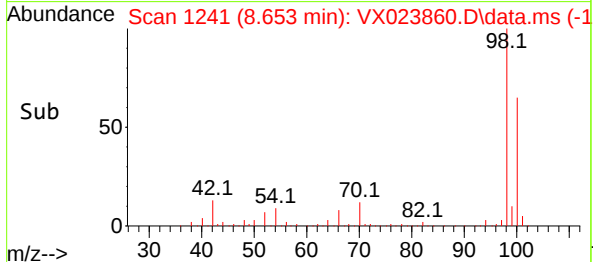
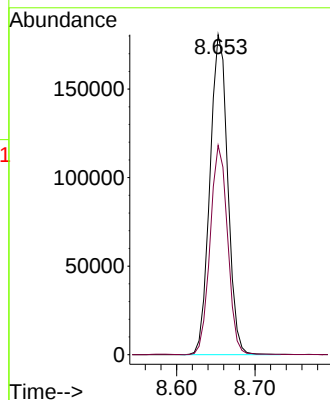
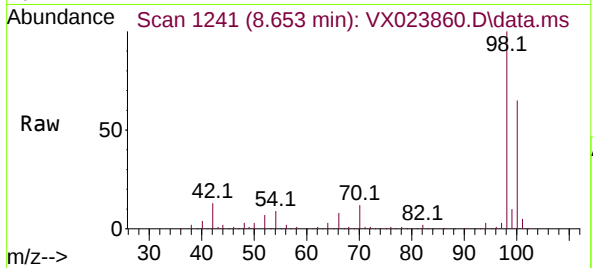




#50
Toluene-d8
Concen: 49.695 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

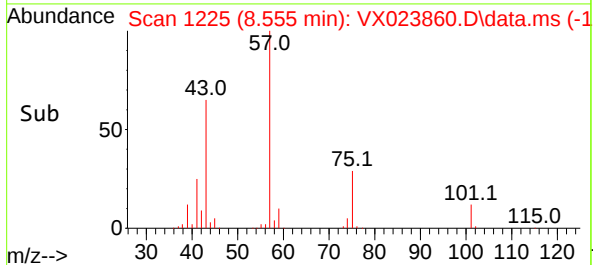
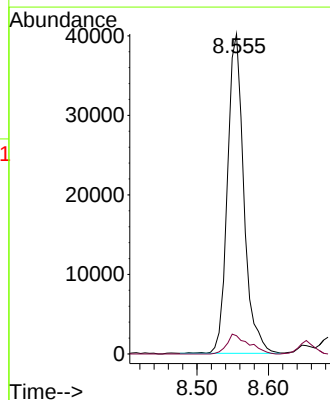
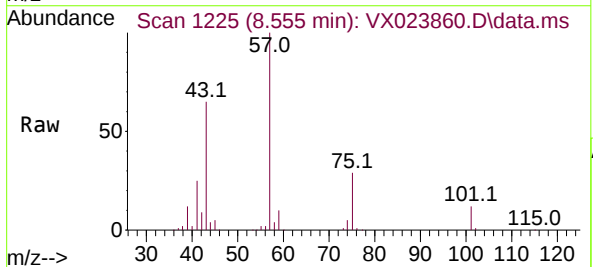
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-9-(322.00)

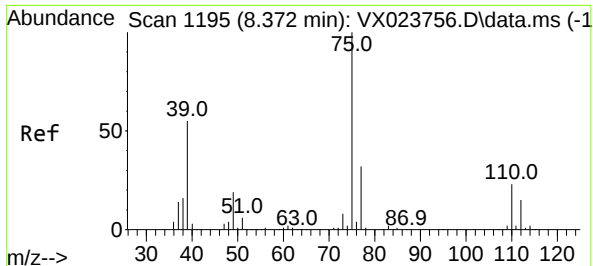
Tgt Ion: 98 Resp: 284543
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 24.358 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

Tgt Ion: 43 Resp: 63723
Ion Ratio Lower Upper
43 100
58 8.2 35.4 53.0#

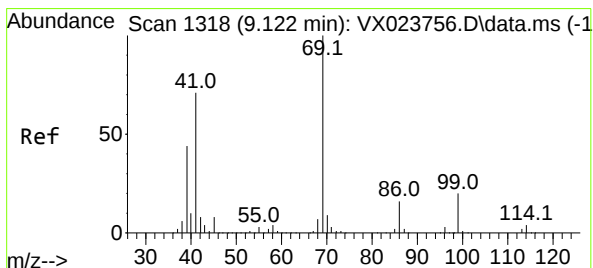
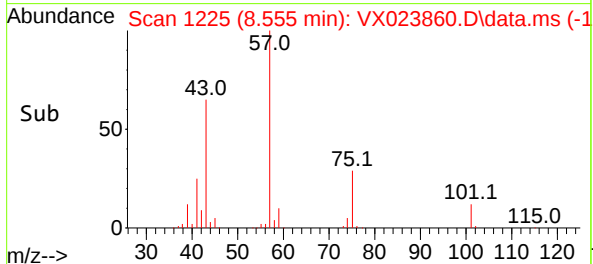
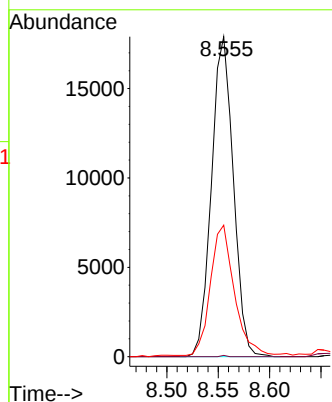
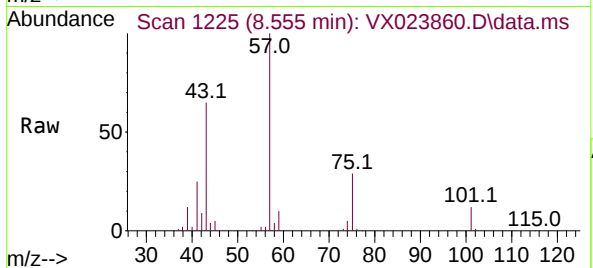




#54
cis-1,3-Dichloropropene
Concen: 10.511 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

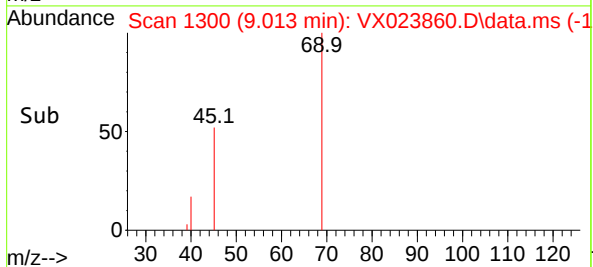
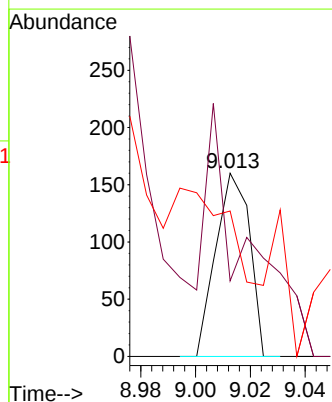
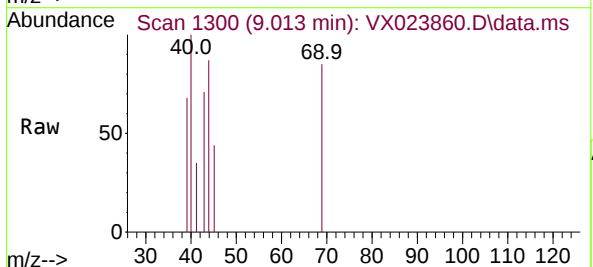
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-9-(322.00)

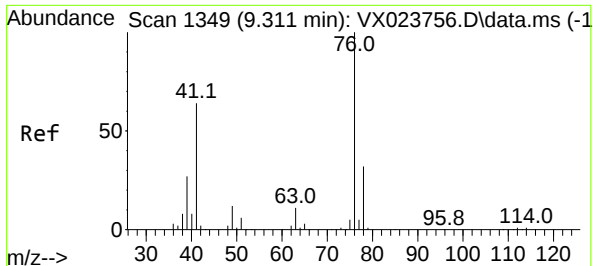
Tgt Ion: 75 Resp: 26501
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 40.7 35.1 52.7



#56
Ethyl methacrylate
Concen: 0.807 ug/l
RT: 9.013 min Scan# 1300
Delta R.T. -0.109 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

Tgt Ion: 69 Resp: 137
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#



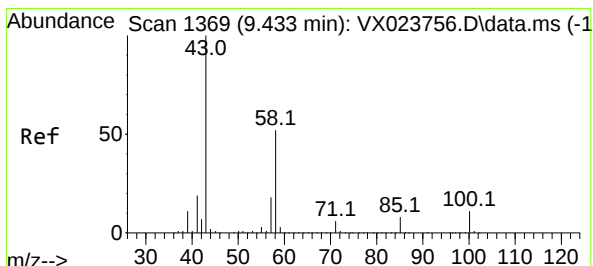
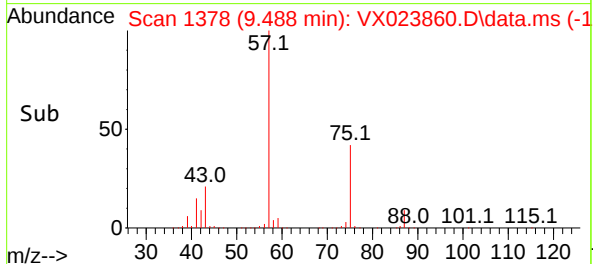
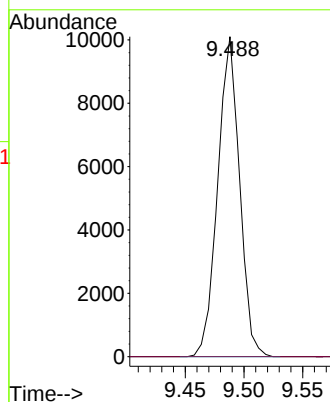
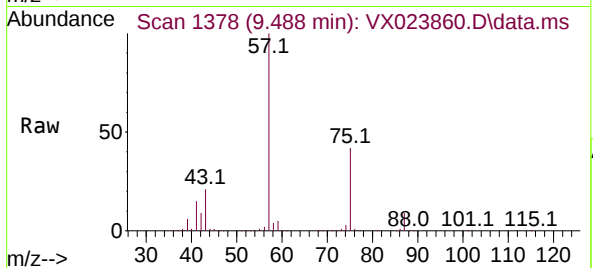


#57

1,3-Dichloropropane
Concen: 4.749 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-9-(322.00)

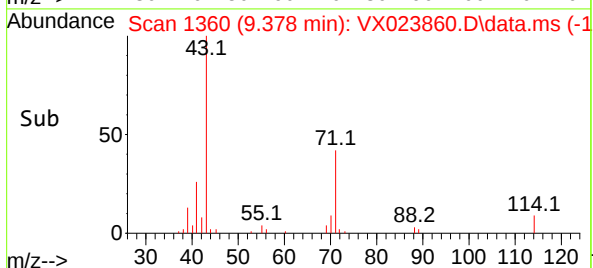
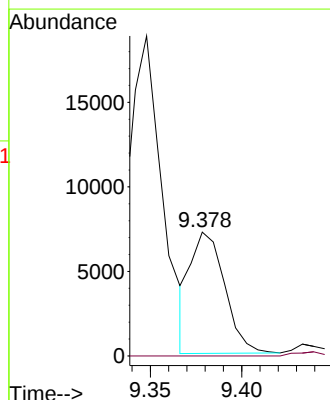
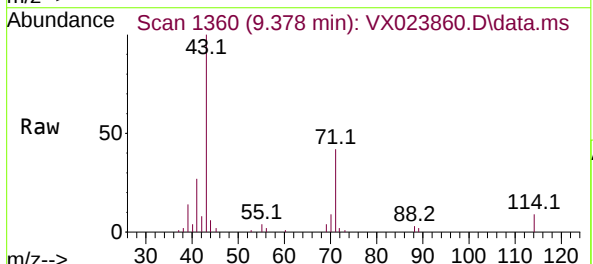
Tgt Ion: 76 Resp: 13078
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

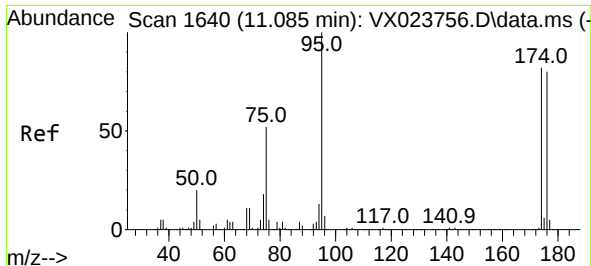


#59

2-Hexanone
Concen: 4.650 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

Tgt Ion: 43 Resp: 9351
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

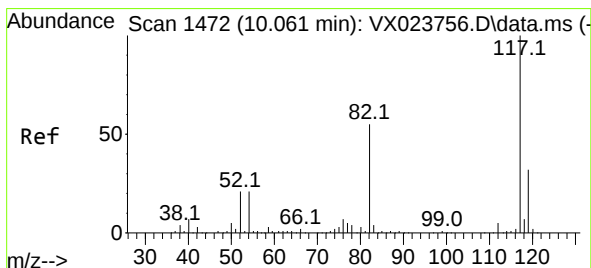
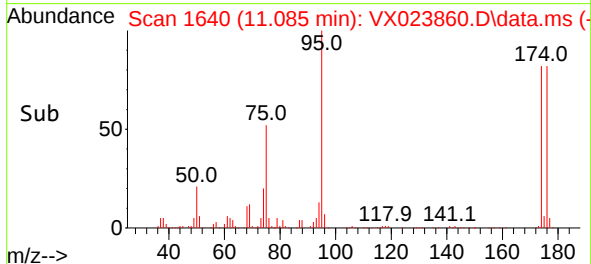
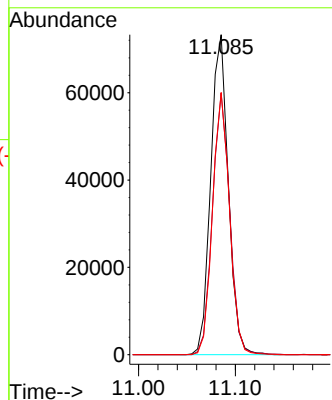
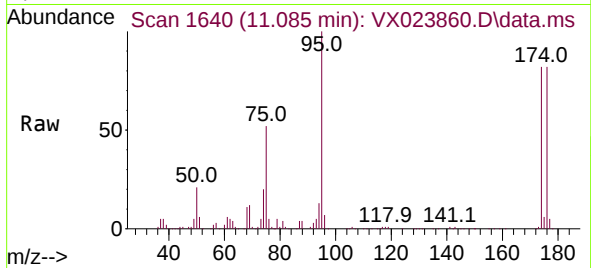




#62
4-Bromofluorobenzene
Concen: 44.071 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

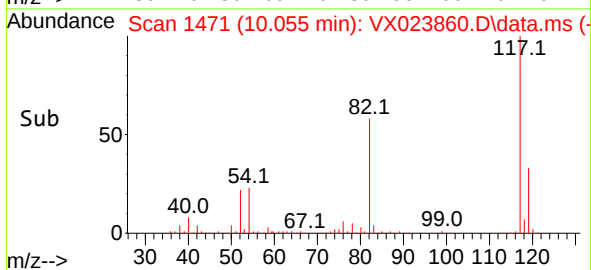
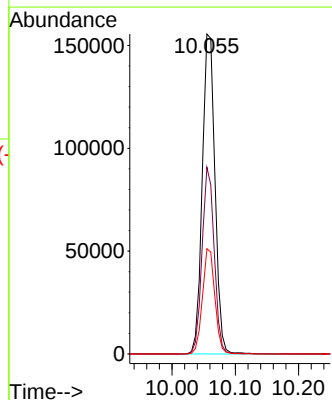
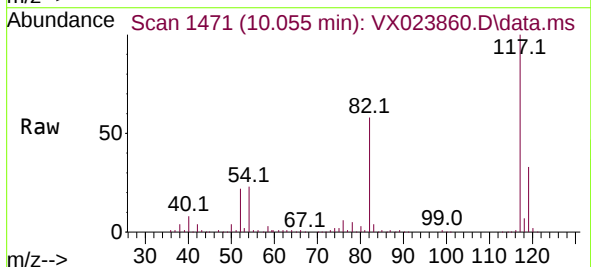
Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-9-(322.00)

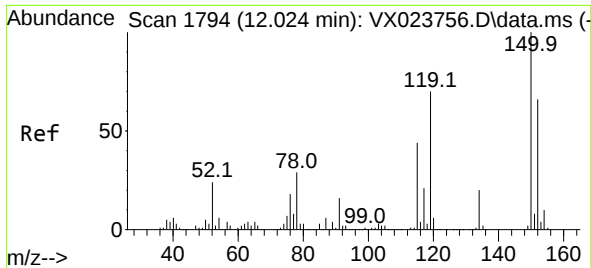
Tgt Ion: 95 Resp: 92893
Ion Ratio Lower Upper
95 100
174 80.1 0.0 154.6
176 79.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

Tgt Ion: 117 Resp: 217952
Ion Ratio Lower Upper
117 100
82 58.3 47.4 71.2
119 32.9 26.6 39.8

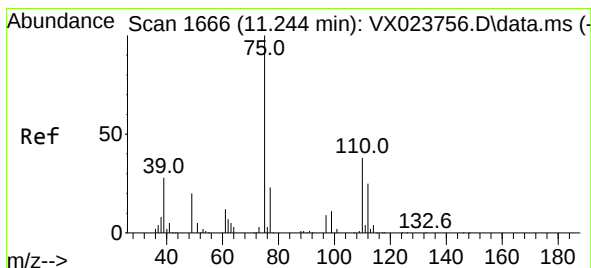
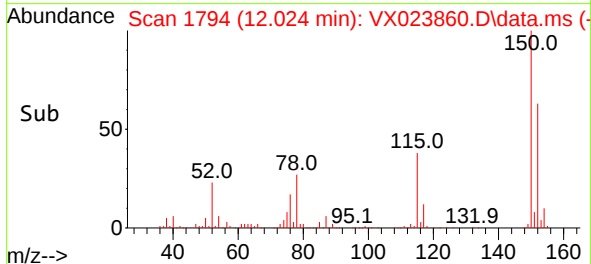
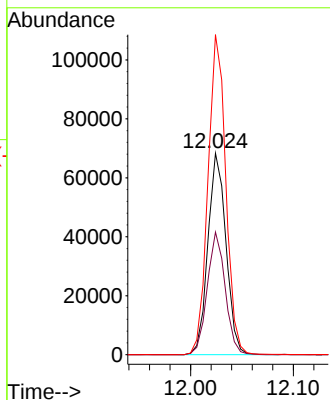
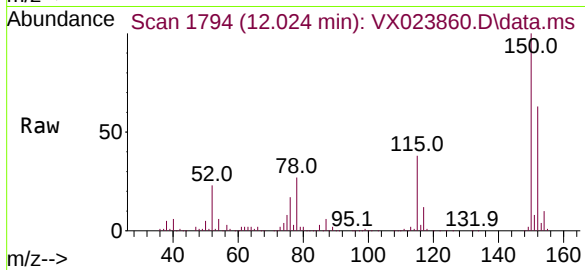




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023860.D
 Acq: 20 Aug 2021 00:04

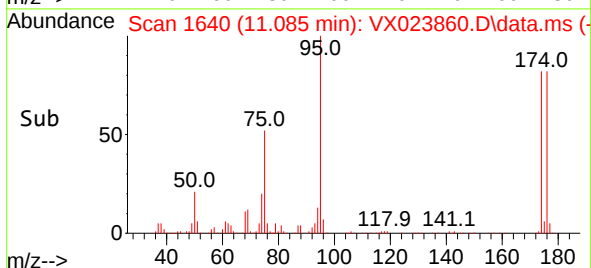
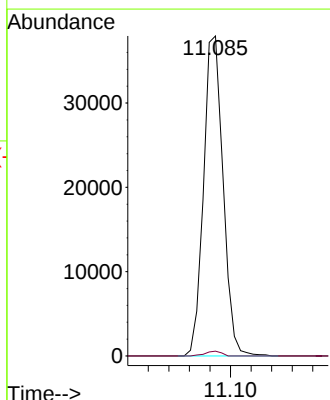
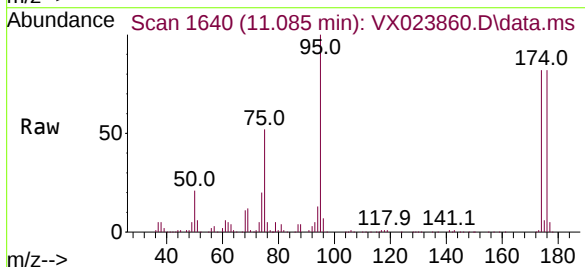
Instrument :
 MSVOA_X
 ClientSampleId :
 SAMPLE-9-(322.00)

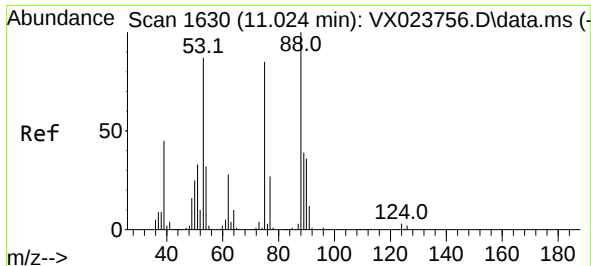
Tgt Ion:152 Resp: 83758
 Ion Ratio Lower Upper
 152 100
 115 60.3 41.1 123.3
 150 156.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.666 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023860.D
 Acq: 20 Aug 2021 00:04

Tgt Ion: 75 Resp: 50148
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#

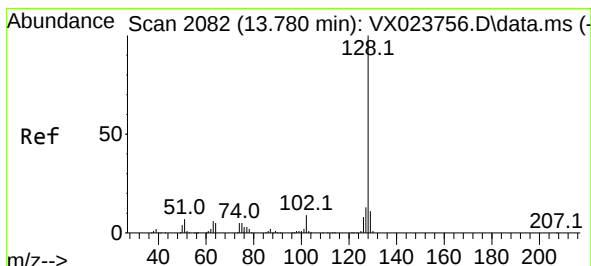
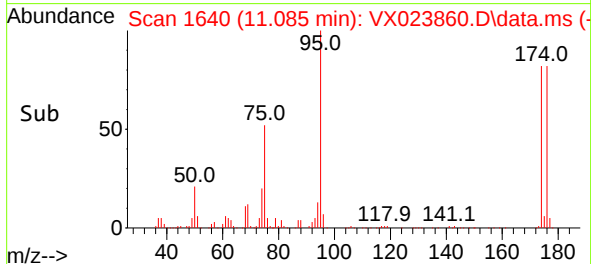
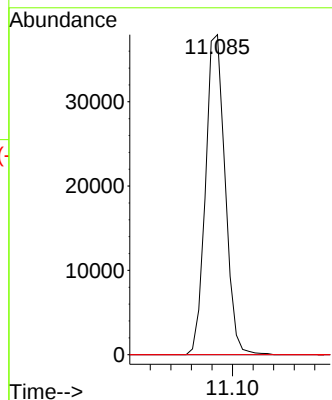
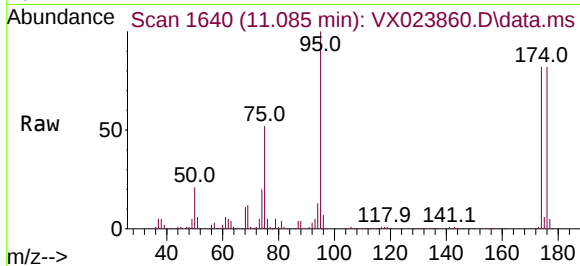




#81
trans-1,4-Dichloro-2-butene
Concen: 75.498 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

Instrument :
MSVOA_X
ClientSampleId :
SAMPLE-9-(322.00)

Tgt Ion: 75 Resp: 50148
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.299 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023860.D
Acq: 20 Aug 2021 00:04

Tgt Ion:128 Resp: 105
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

