

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023719.D
 Acq On : 14 Aug 2021 03:37
 Operator : JC/MD
 Sample : M3397-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:36:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

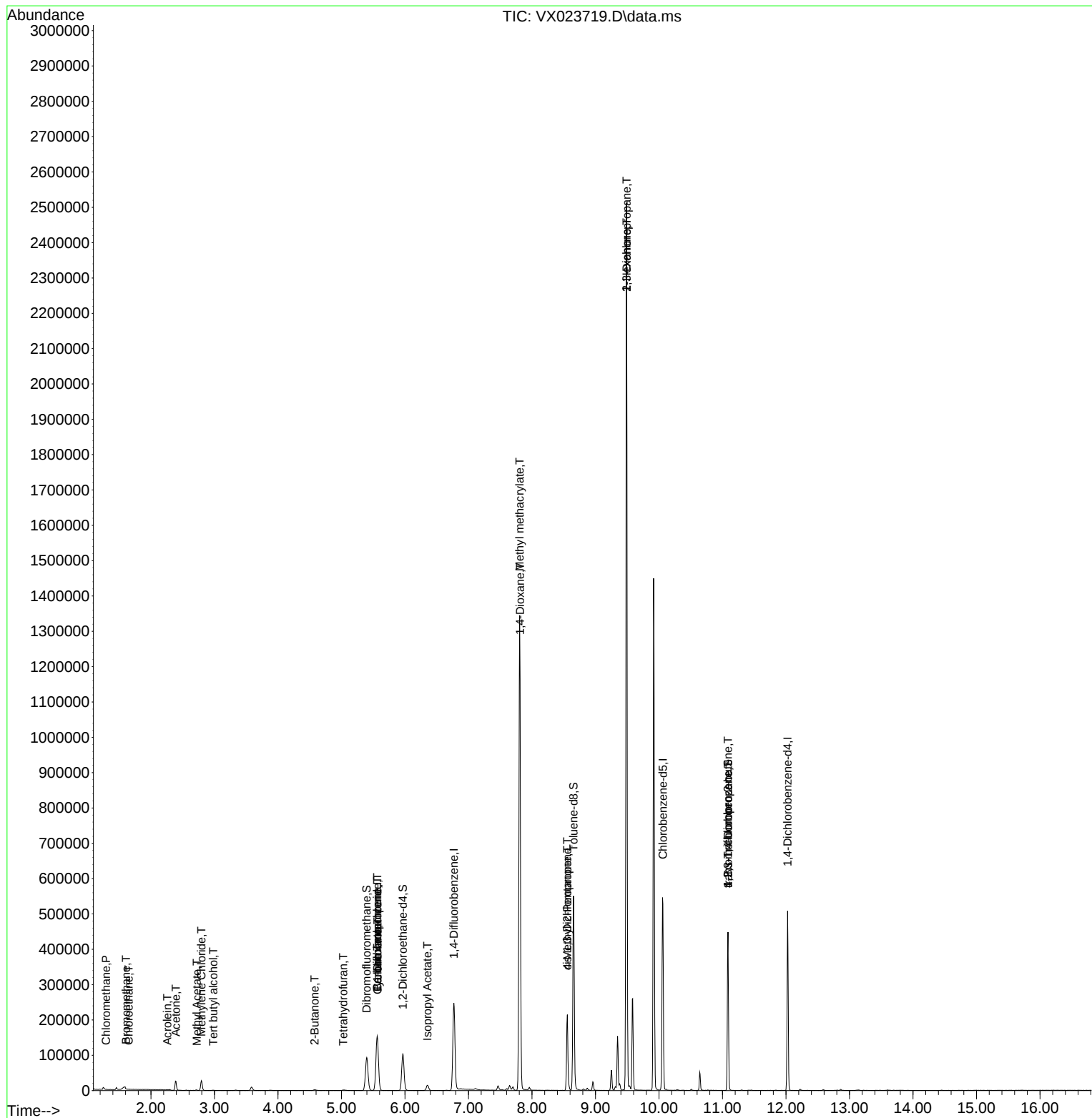
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	143992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	246377	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	242347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	101647	56.591	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.180%	
35) Dibromofluoromethane	5.397	113	78818	51.165	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.340%	
50) Toluene-d8	8.653	98	315522	55.749	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 111.500%	
62) 4-Bromofluorobenzene	11.085	95	109101	56.690	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 113.380%	
Target Compounds						Qvalue
3) Chloromethane	1.295	50	335	0.217	ug/l	95
5) Bromomethane	1.605	94	534	0.576	ug/l	91
6) Chloroethane	1.648	64	562	0.586	ug/l #	43
11) Tert butyl alcohol	2.983	59	656	1.599	ug/l #	73
13) Acrolein	2.258	56	135	2.007	ug/l	86
16) Acetone	2.392	43	28221	32.029	ug/l	88
18) Methyl Acetate	2.721	43	2169	1.036	ug/l #	74
20) Methylene Chloride	2.794	84	12118	7.071	ug/l	95
25) 2-Butanone	4.574	43	4549	3.326	ug/l	96
29) Tetrahydrofuran	5.026	42	790	0.881	ug/l #	83
31) Cyclohexane	5.568	56	3263	1.226	ug/l #	41
36) 1,1-Dichloropropene	5.562	75	11552	5.183	ug/l #	50
38) Carbon Tetrachloride	5.562	117	15300	6.750	ug/l #	18
43) Isopropyl Acetate	6.355	43	20813	4.780	ug/l	92
48) Methyl methacrylate	7.806	41	118603	58.811	ug/l #	38
49) 1,4-Dioxane	7.812	88	107	2.492	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	74744	28.064	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	31395	11.785	ug/l #	69
57) 1,3-Dichloropropane	9.488	76	19228	6.826	ug/l #	43
59) 2-Hexanone	9.488	43	290547	143.658	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	59206	27.454	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	59206	73.822	ug/l #	12

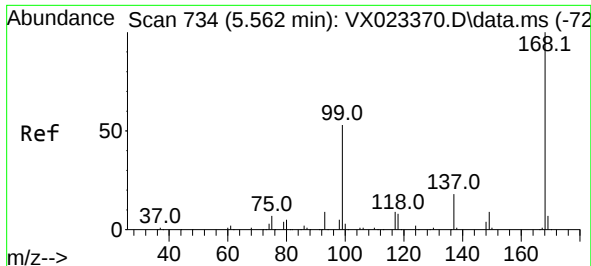
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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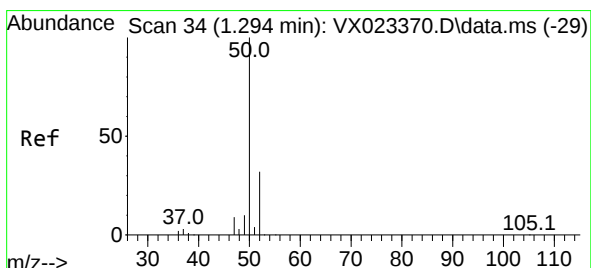
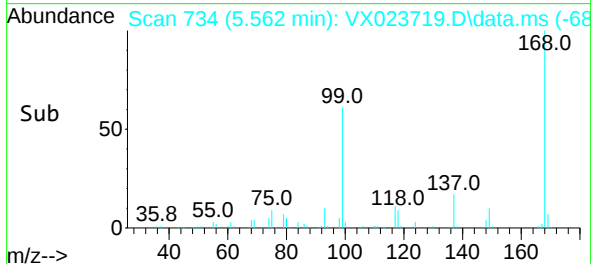
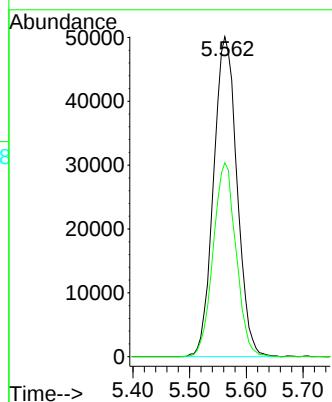
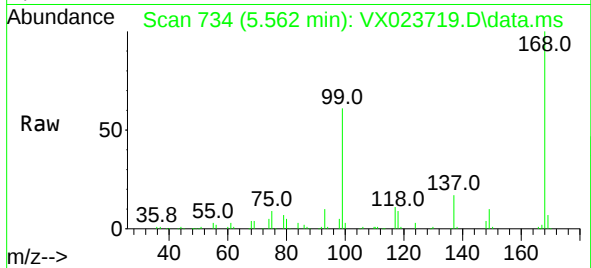




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023719.D
Acq: 14 Aug 2021 03:37

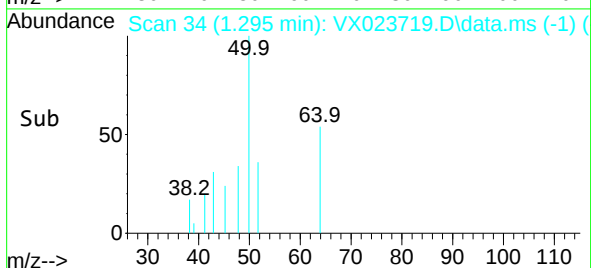
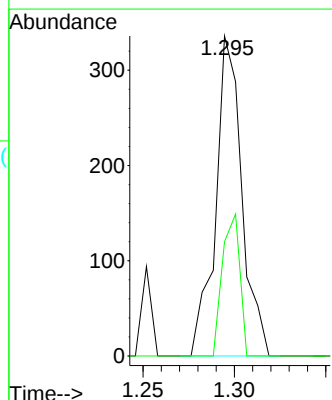
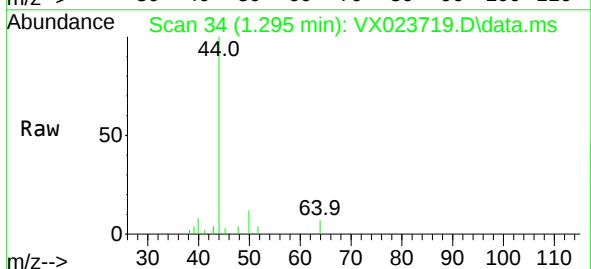
Instrument :
MSVOA_X
ClientSampleId :

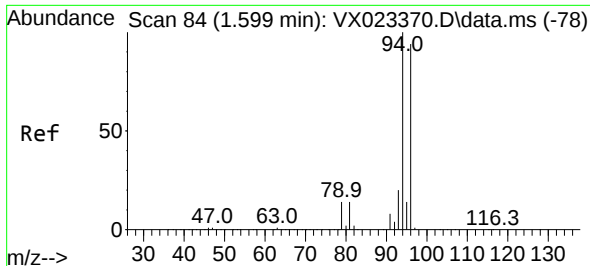
Tgt Ion:168 Resp: 143992
Ion Ratio Lower Upper
168 100
99 60.6 45.8 68.6



#3
Chloromethane
Concen: 0.217 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX023719.D
Acq: 14 Aug 2021 03:37

Tgt Ion: 50 Resp: 335
Ion Ratio Lower Upper
50 100
52 35.7 26.4 39.6

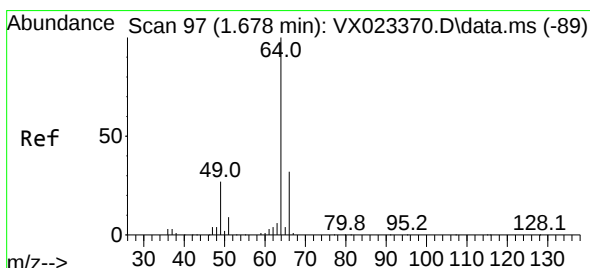
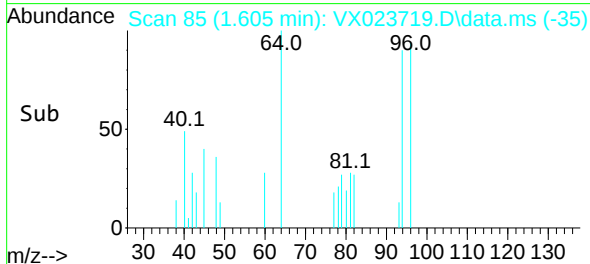
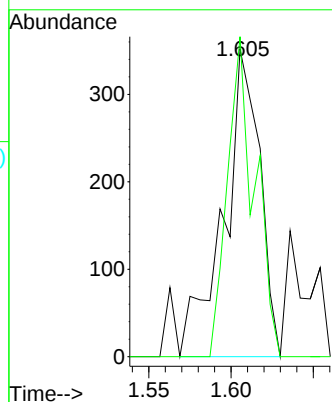
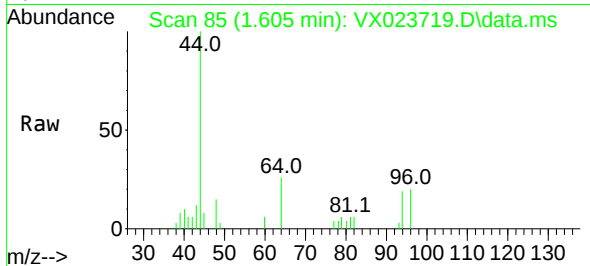




#5
Bromomethane
Concen: 0.576 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX023719.D
Acq: 14 Aug 2021 03:37

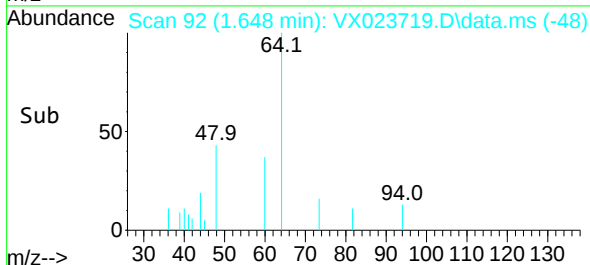
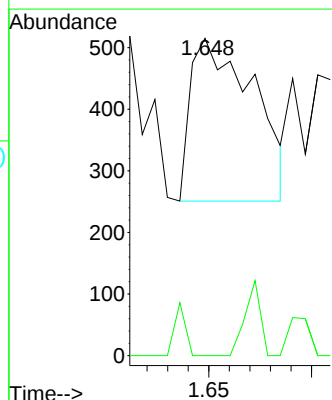
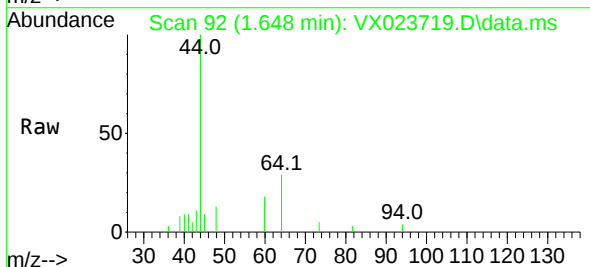
Instrument :
MSVOA_X
ClientSampled :

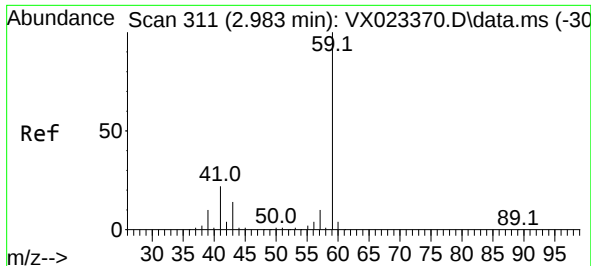
Tgt Ion: 94 Resp: 534
Ion Ratio Lower Upper
94 100
96 104.0 76.4 114.6



#6
Chloroethane
Concen: 0.586 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.030 min
Lab File: VX023719.D
Acq: 14 Aug 2021 03:37

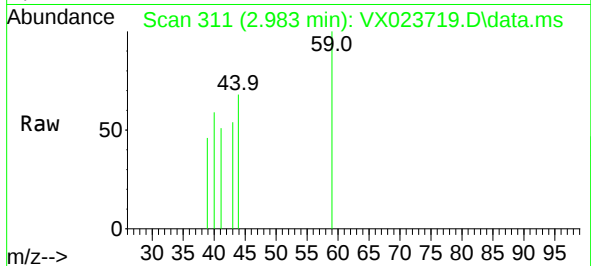
Tgt Ion: 64 Resp: 562
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



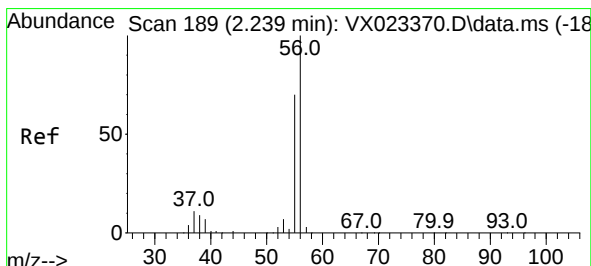
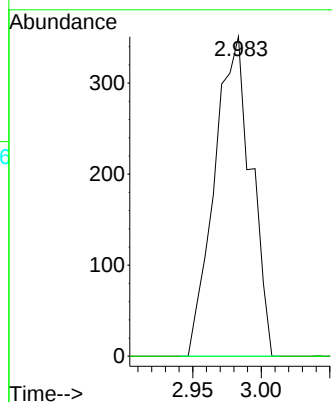
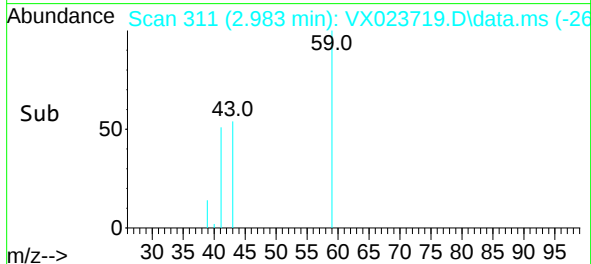


#11
Tert butyl alcohol
Concen: 1.599 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX023719.D
Acq: 14 Aug 2021 03:37

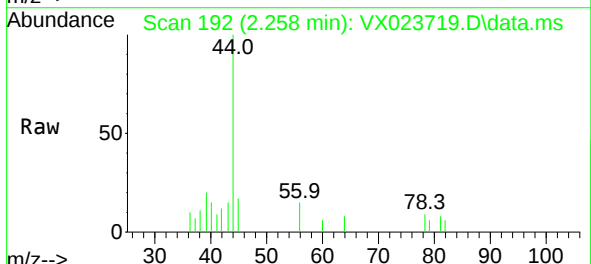
Instrument :
MSVOA_X
ClientSampled :



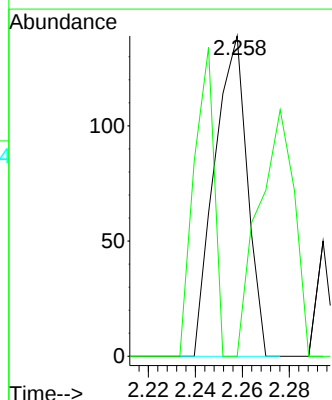
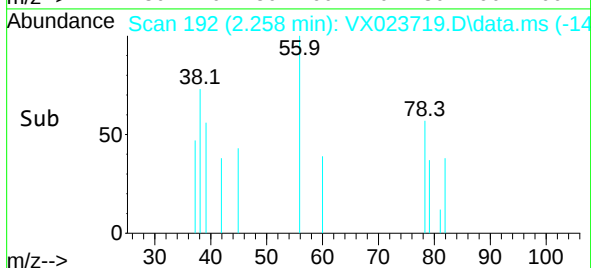
Tgt Ion: 59 Resp: 656
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

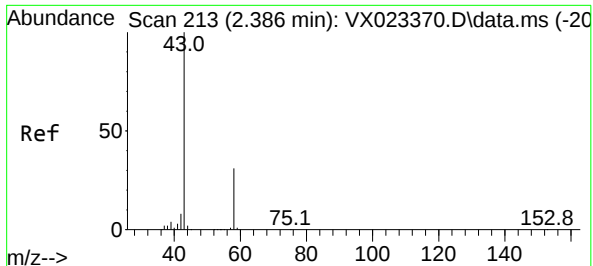


#13
Acrolein
Concen: 2.007 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.019 min
Lab File: VX023719.D
Acq: 14 Aug 2021 03:37



Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 59.3 56.4 84.6

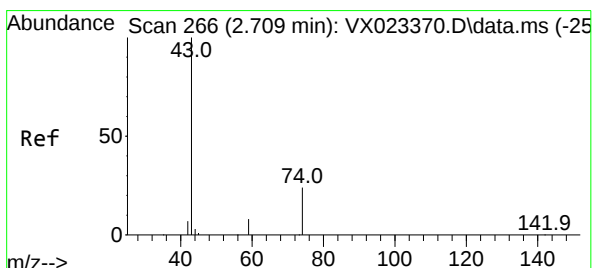
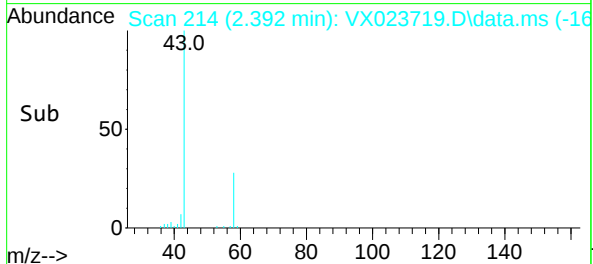
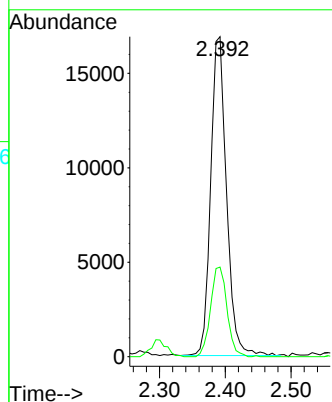
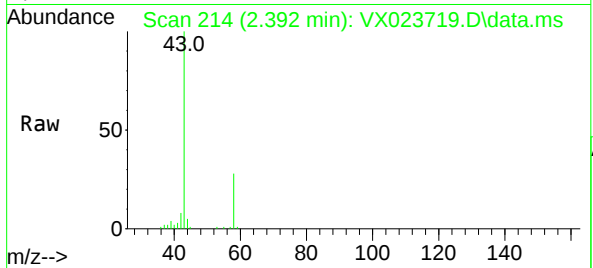




#16
Acetone
Concen: 32.029 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023719.D
Acq: 14 Aug 2021 03:37

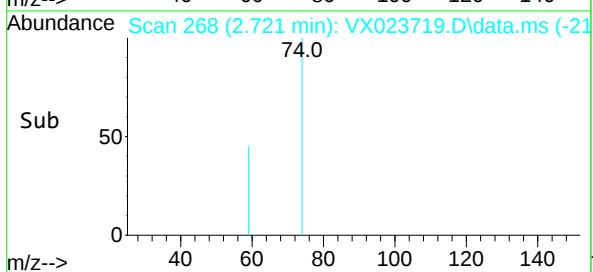
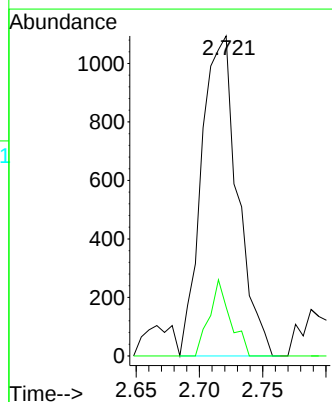
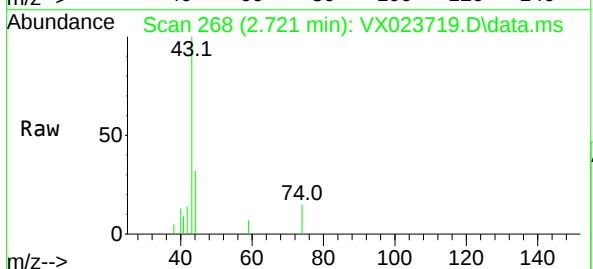
Instrument :
MSVOA_X
ClientSampled :

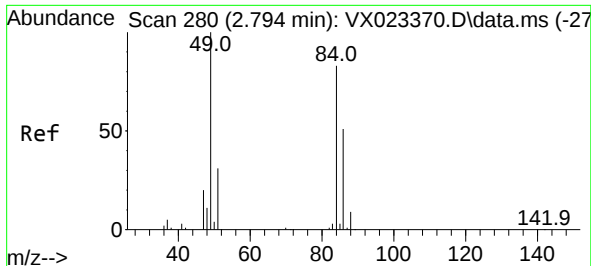
Tgt Ion: 43 Resp: 28221
Ion Ratio Lower Upper
43 100
58 28.1 27.8 41.8



#18
Methyl Acetate
Concen: 1.036 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.012 min
Lab File: VX023719.D
Acq: 14 Aug 2021 03:37

Tgt Ion: 43 Resp: 2169
Ion Ratio Lower Upper
43 100
74 13.8 21.9 32.9#





#20

Methylene Chloride

Concen: 7.071 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023719.D

Acq: 14 Aug 2021 03:37

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 84 Resp: 12118

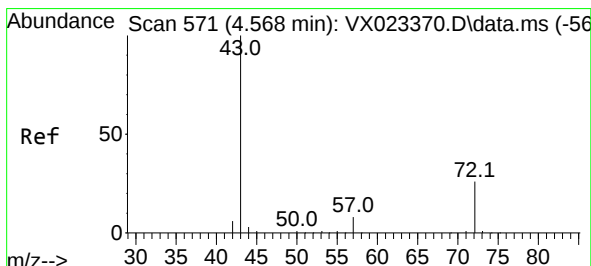
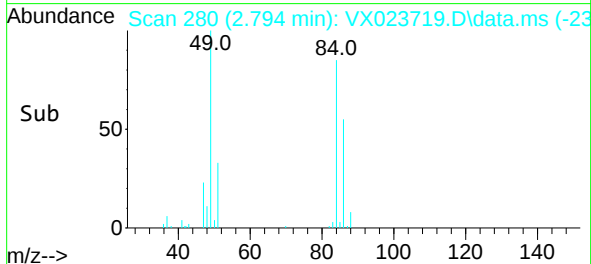
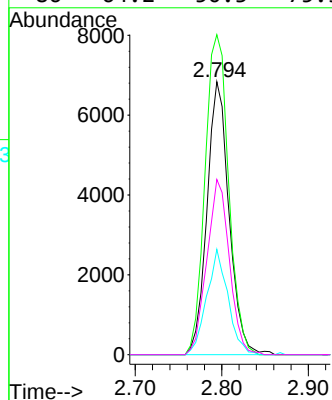
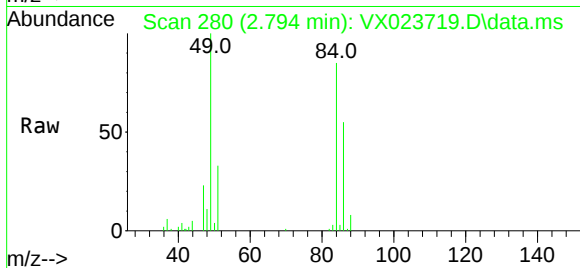
Ion Ratio Lower Upper

84 100

49 117.2 88.6 132.8

51 38.6 27.0 40.6

86 64.2 50.3 75.5



#25

2-Butanone

Concen: 3.326 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX023719.D

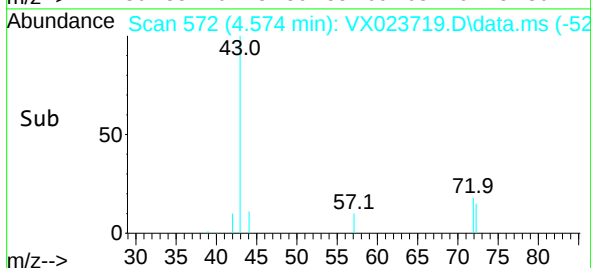
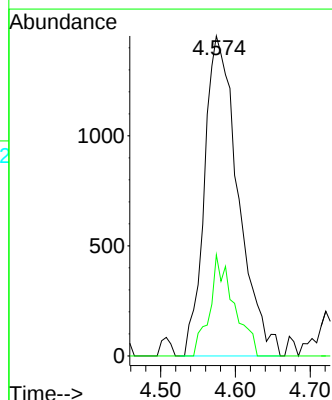
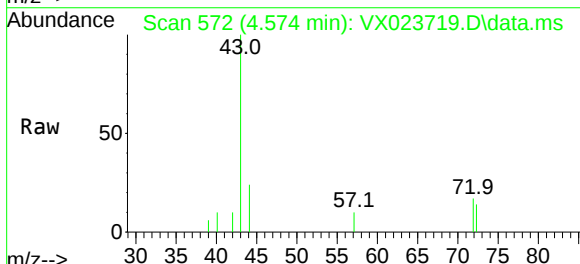
Acq: 14 Aug 2021 03:37

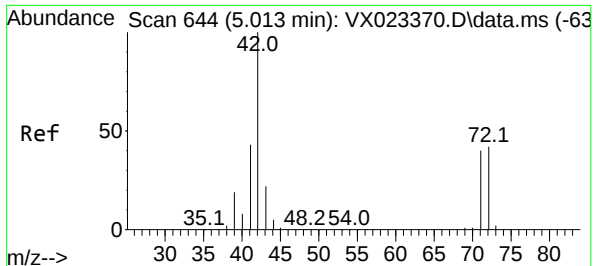
Tgt Ion: 43 Resp: 4549

Ion Ratio Lower Upper

43 100

72 31.6 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.881 ug/l

RT: 5.026 min Scan# 646

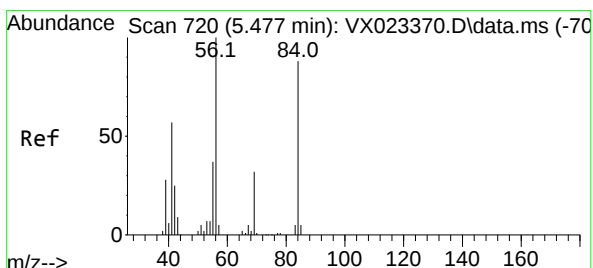
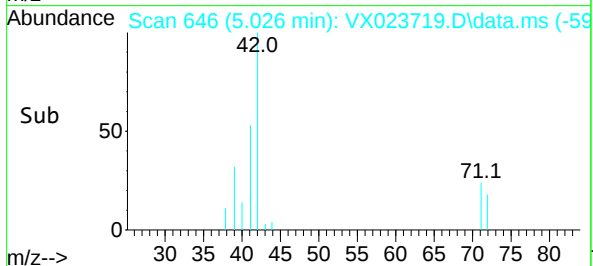
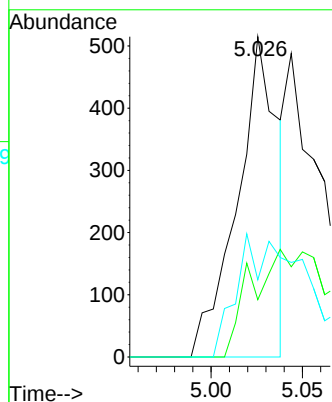
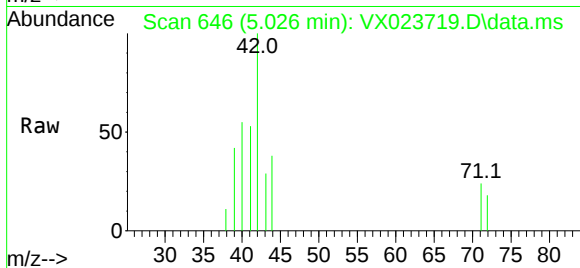
Delta R.T. 0.013 min

Lab File: VX023719.D

Acq: 14 Aug 2021 03:37

Tgt Ion:	42	Resp:	790
Ion	Ratio	Lower	Upper
42	100		
72	62.7	41.7	62.5#
71	60.5	38.4	57.6#

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MSVOA_X
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#31

Cyclohexane

Concen: 1.226 ug/l

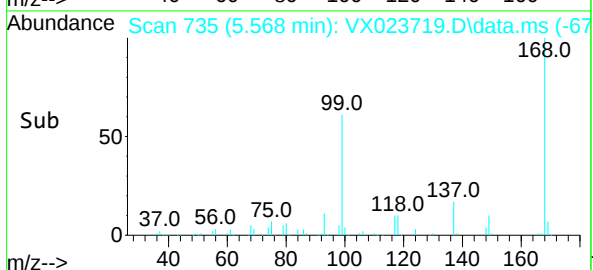
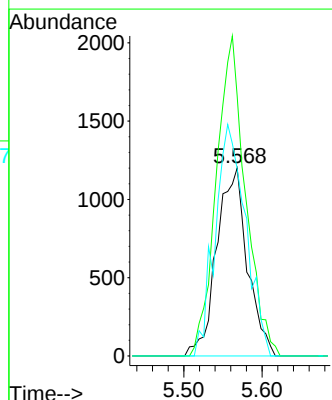
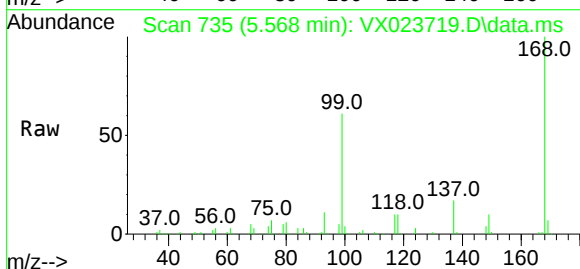
RT: 5.568 min Scan# 735

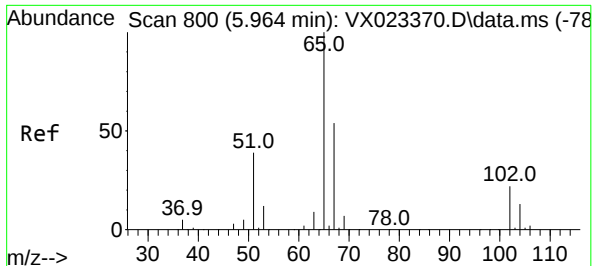
Delta R.T. 0.091 min

Lab File: VX023719.D

Acq: 14 Aug 2021 03:37

Tgt Ion:	56	Resp:	3263
Ion	Ratio	Lower	Upper
56	100		
69	138.5	25.3	37.9#
84	99.7	71.4	107.0





#33

1,2-Dichloroethane-d4

Concen: 56.591 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

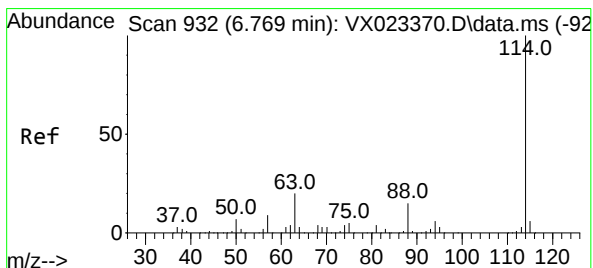
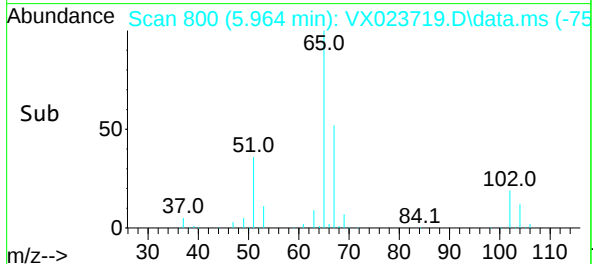
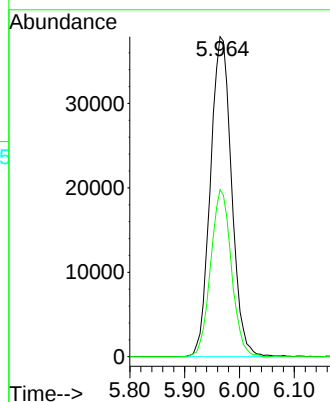
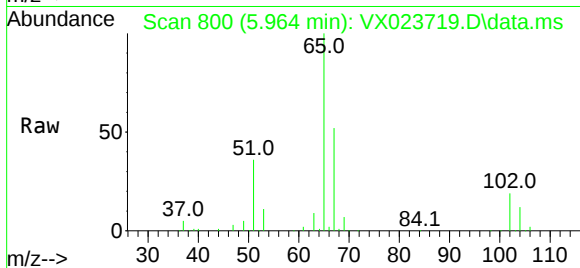
Lab File: VX023719.D

Acq: 14 Aug 2021 03:37

Tgt Ion: 65 Resp: 101647

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
65	100		
67	51.1	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

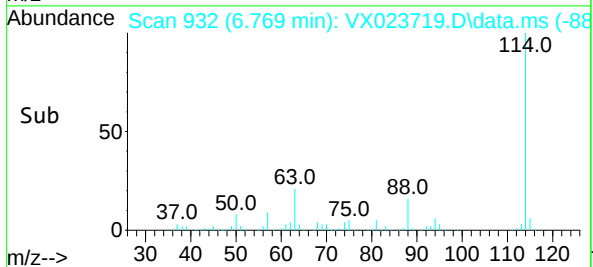
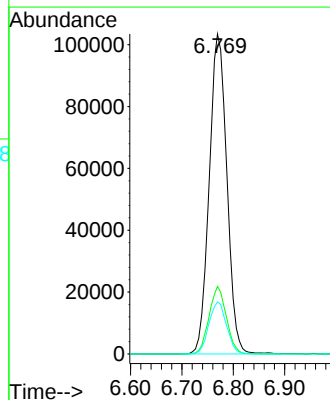
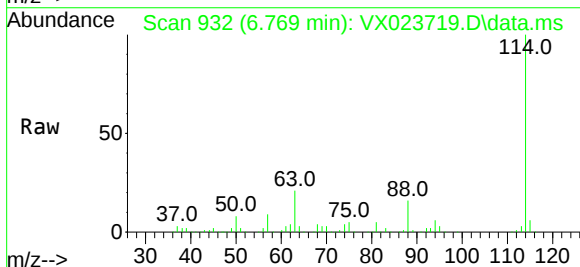
Lab File: VX023719.D

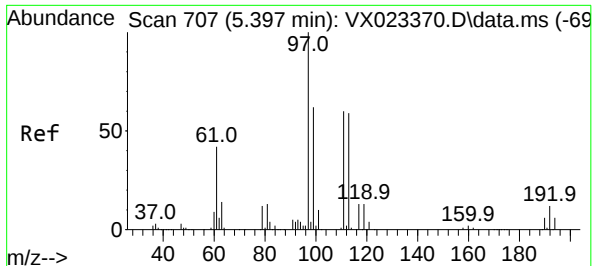
Acq: 14 Aug 2021 03:37

Tgt Ion: 114 Resp: 246377

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.8
88	16.2	0.0	32.8





#35

Dibromofluoromethane

Concen: 51.165 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023719.D

Acq: 14 Aug 2021 03:37

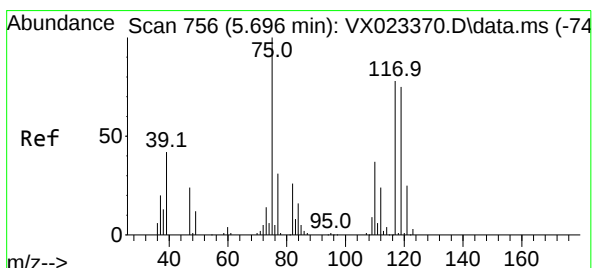
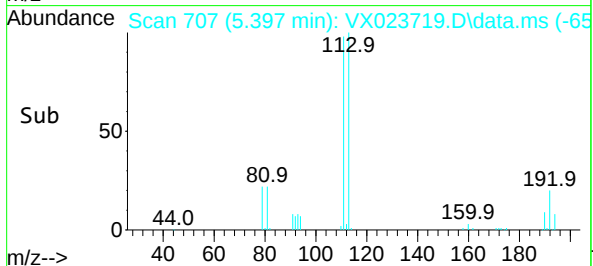
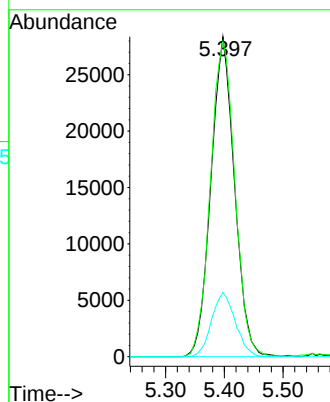
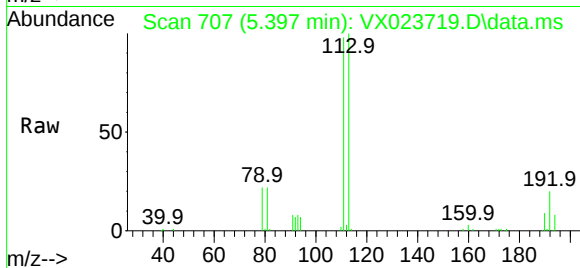
Tgt Ion:113 Resp: 78818

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

192 20.2 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.183 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX023719.D

Acq: 14 Aug 2021 03:37

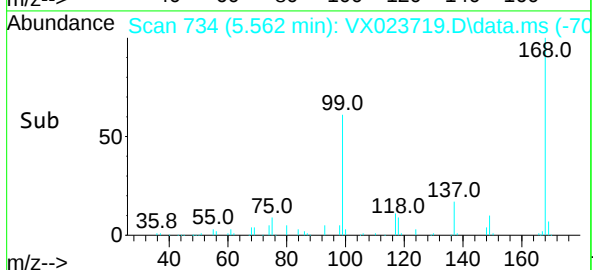
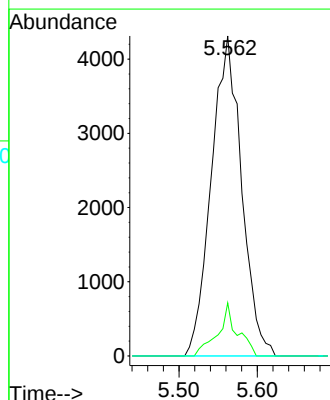
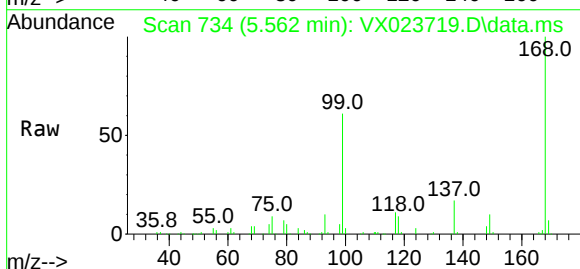
Tgt Ion: 75 Resp: 11552

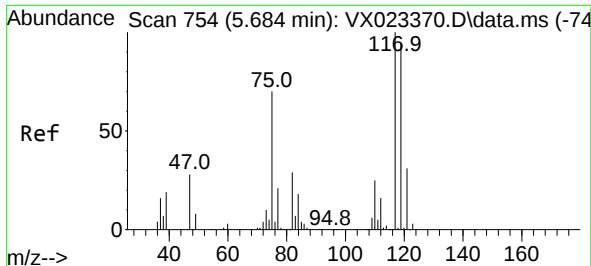
Ion Ratio Lower Upper

75 100

110 10.7 18.1 54.4#

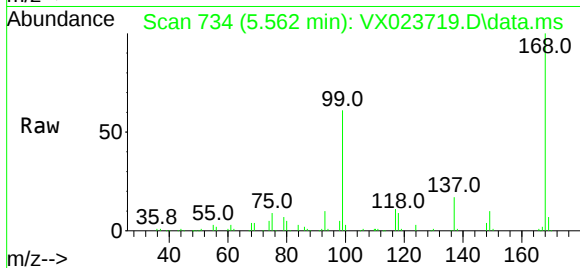
77 0.0 25.3 37.9#



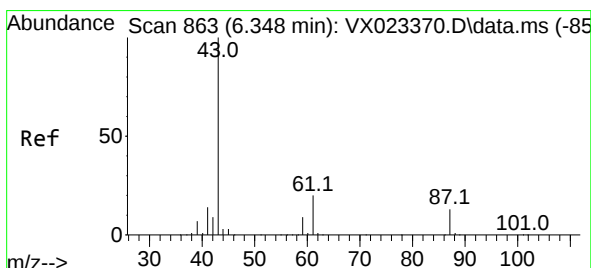
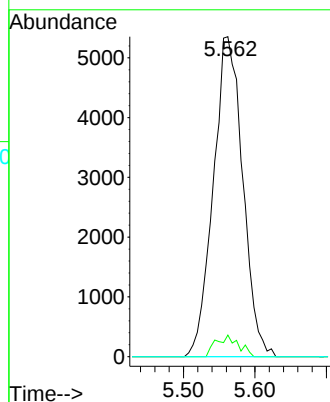
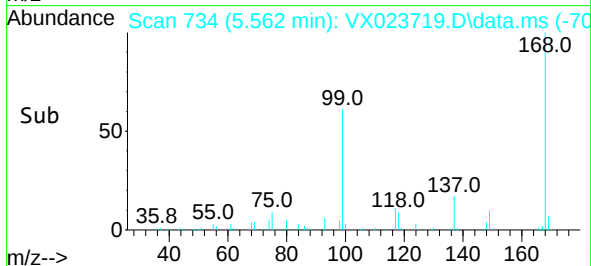


#38
Carbon Tetrachloride
Concen: 6.750 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023719.D
Acq: 14 Aug 2021 03:37

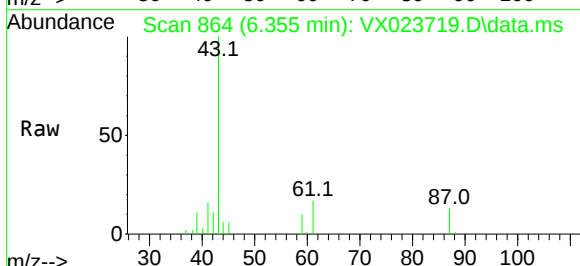
Instrument :
MSVOA_X
ClientSampled :



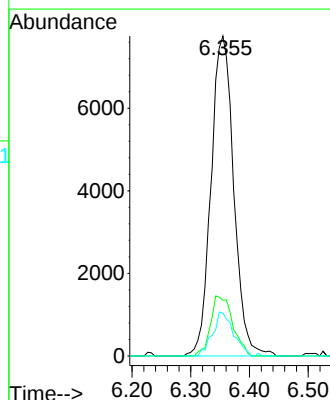
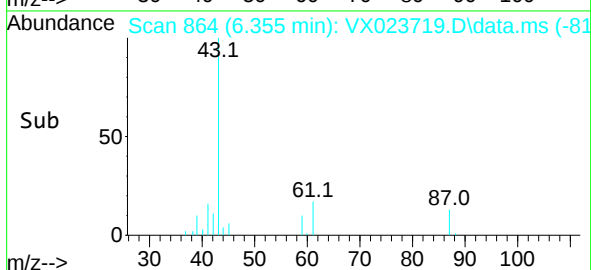
Tgt Ion:117 Resp: 15300
Ion Ratio Lower Upper
117 100
119 6.7 76.2 114.2#
121 0.0 24.8 37.2#

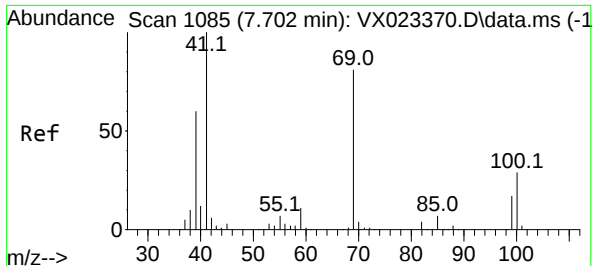


#43
Isopropyl Acetate
Concen: 4.780 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX023719.D
Acq: 14 Aug 2021 03:37



Tgt Ion: 43 Resp: 20813
Ion Ratio Lower Upper
43 100
61 18.3 18.2 27.4
87 12.6 12.5 18.7





#48

Methyl methacrylate

Concen: 58.811 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.104 min

Lab File: VX023719.D

Acq: 14 Aug 2021 03:37

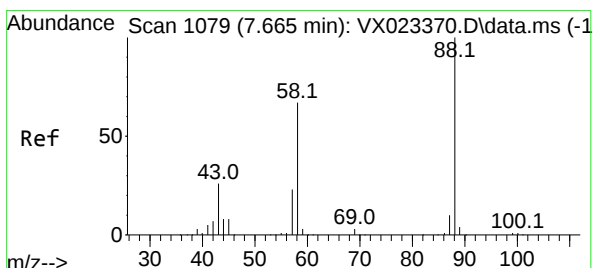
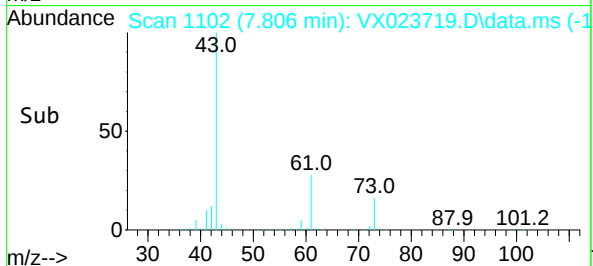
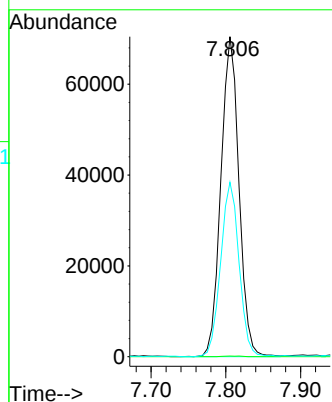
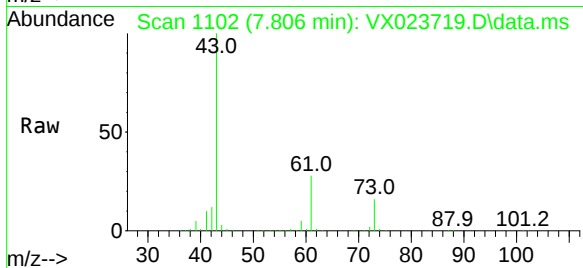
Tgt Ion: 41 Resp: 118603

Ion Ratio Lower Upper

41 100

69 0.2 76.0 114.0#

39 55.7 44.6 67.0



#49

1,4-Dioxane

Concen: 2.492 ug/l

RT: 7.812 min Scan# 1103

Delta R.T. 0.147 min

Lab File: VX023719.D

Acq: 14 Aug 2021 03:37

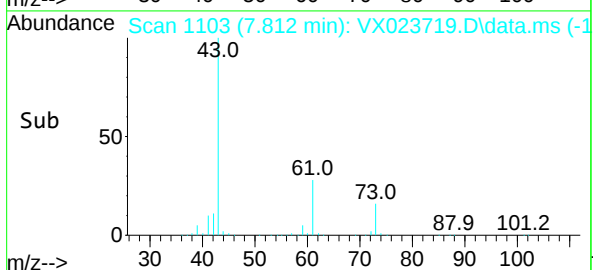
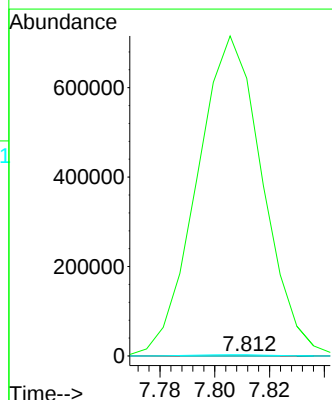
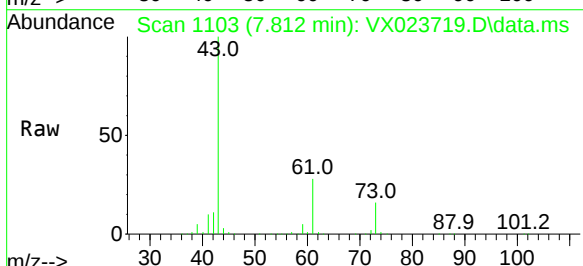
Tgt Ion: 88 Resp: 107

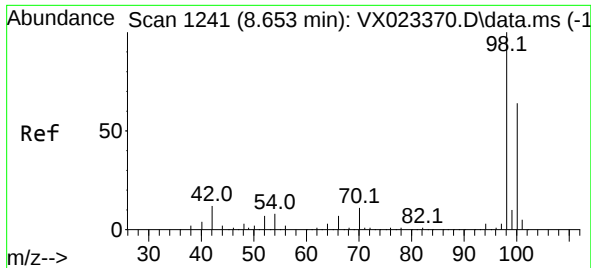
Ion Ratio Lower Upper

88 100

43 1122250.5 23.2 34.8#

58 5230.8 55.0 82.4#

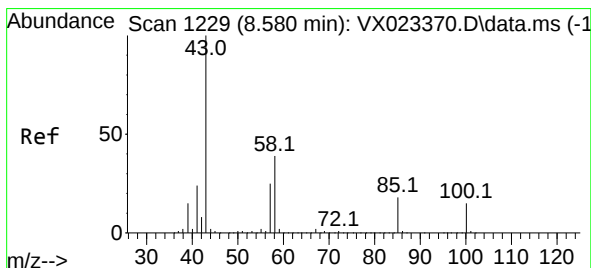
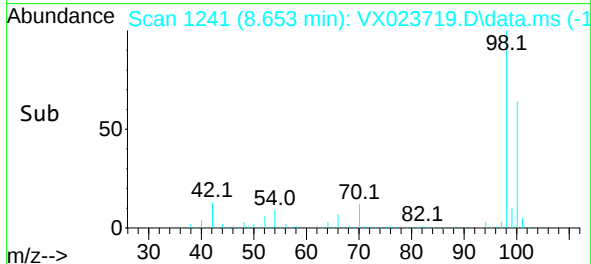
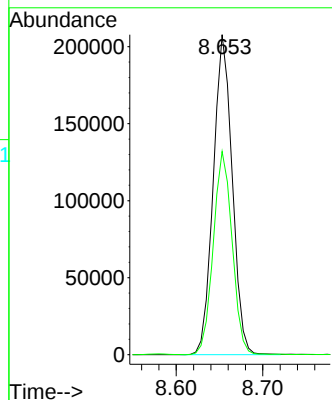
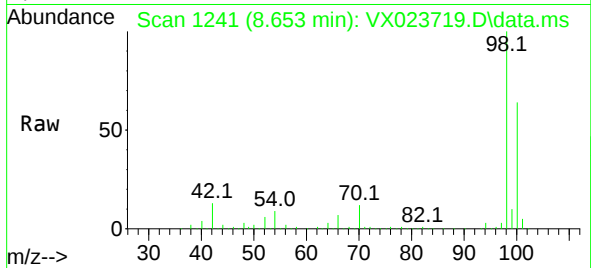




#50
Toluene-d8
Concen: 55.749 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023719.D
Acq: 14 Aug 2021 03:37

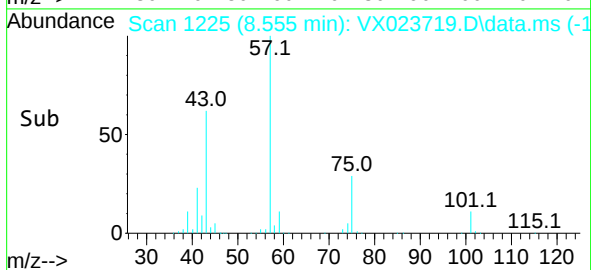
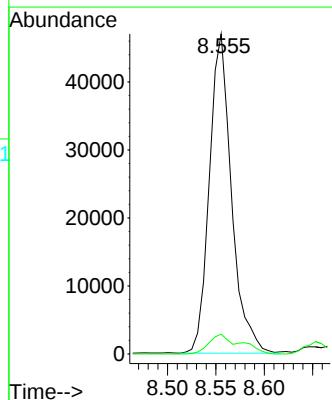
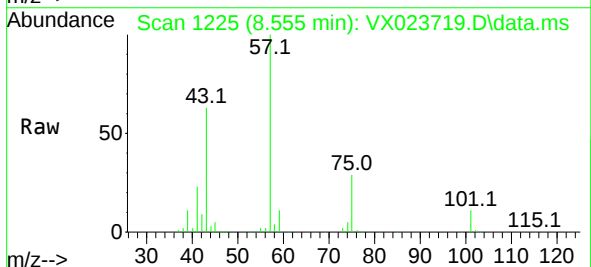
Instrument :
MSVOA_X
ClientSampled :

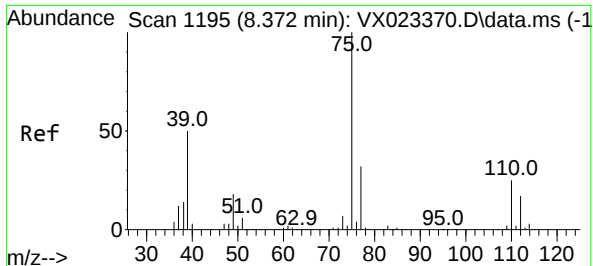
Tgt Ion: 98 Resp: 315522
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 28.064 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023719.D
Acq: 14 Aug 2021 03:37

Tgt Ion: 43 Resp: 74744
Ion Ratio Lower Upper
43 100
58 8.8 35.4 53.0#

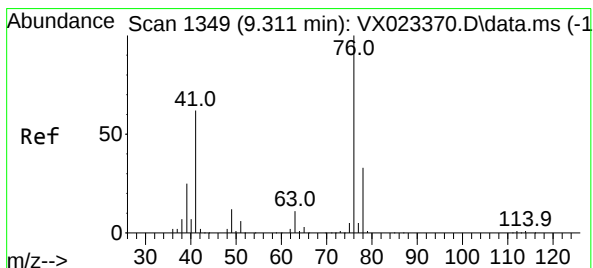
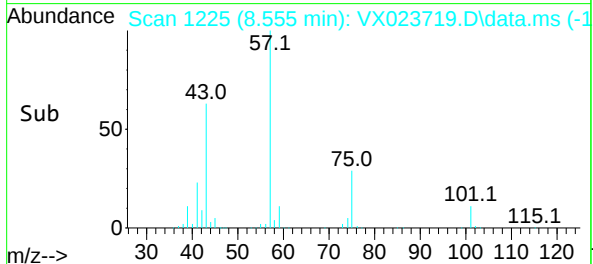
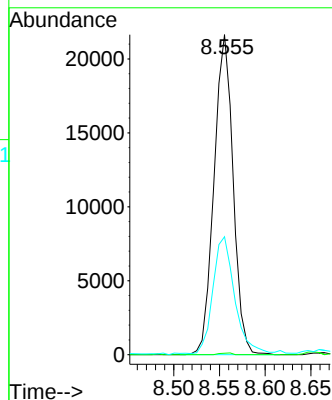
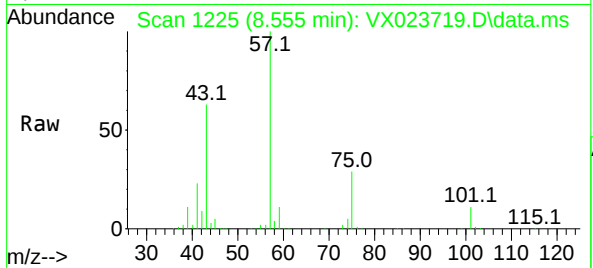




#54
 cis-1,3-Dichloropropene
 Concen: 11.785 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023719.D
 Acq: 14 Aug 2021 03:37

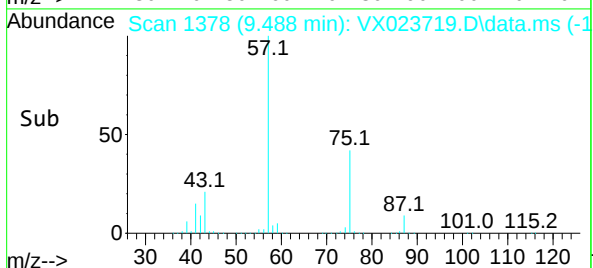
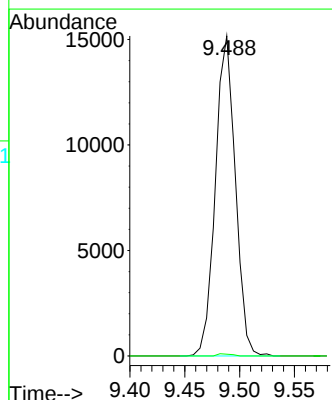
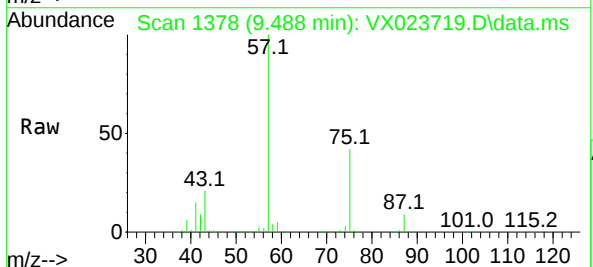
Instrument :
 MSVOA_X
 ClientSampleId :

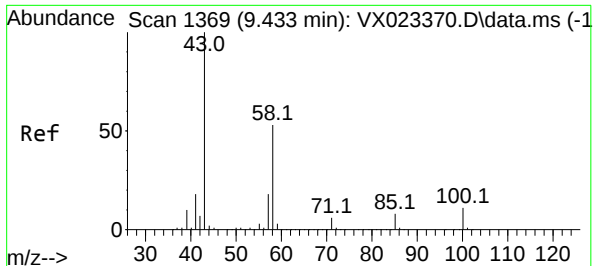
Tgt Ion: 75 Resp: 31395
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.7 38.5#
 39 36.4 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 6.826 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023719.D
 Acq: 14 Aug 2021 03:37

Tgt Ion: 76 Resp: 19228
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

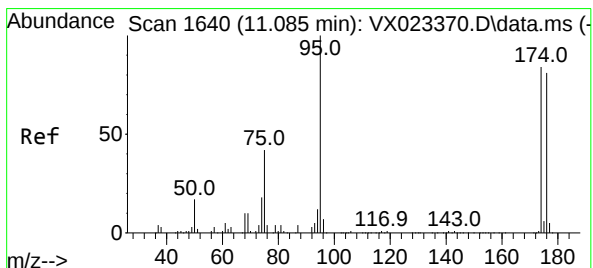
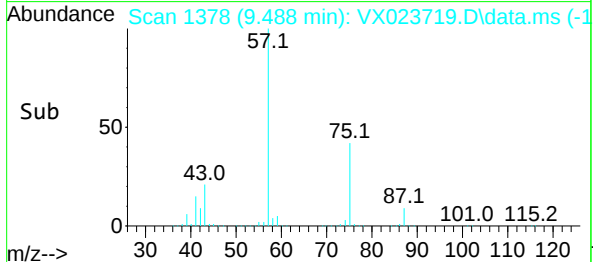
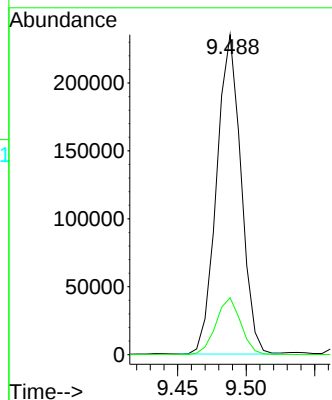
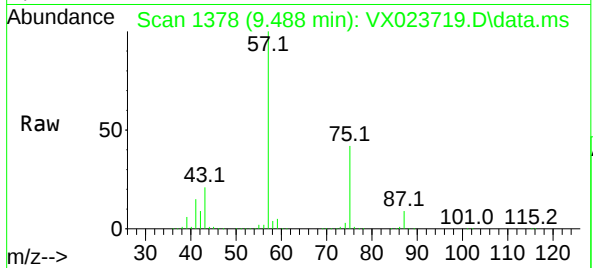




#59
2-Hexanone
Concen: 143.658 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023719.D
Acq: 14 Aug 2021 03:37

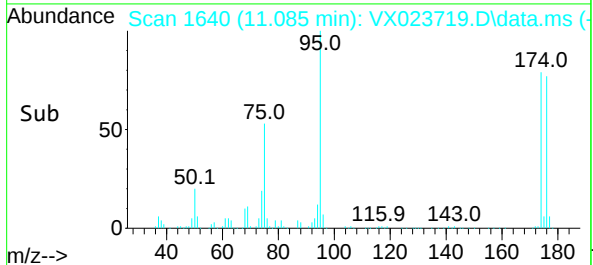
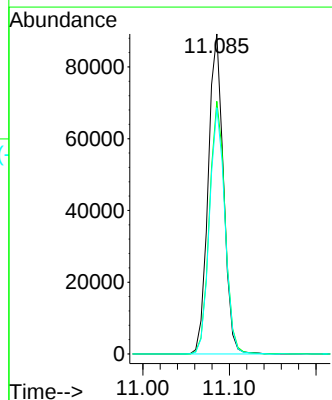
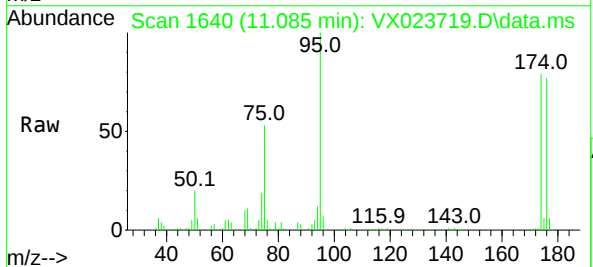
Instrument :
MSVOA_X
ClientSampled :

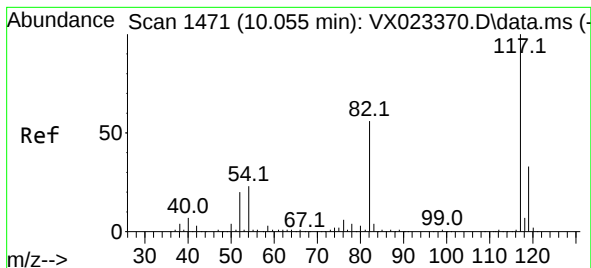
Tgt Ion: 43 Resp: 290547
Ion Ratio Lower Upper
43 100
58 18.2 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 56.690 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023719.D
Acq: 14 Aug 2021 03:37

Tgt Ion: 95 Resp: 109101
Ion Ratio Lower Upper
95 100
174 80.4 0.0 154.6
176 77.5 0.0 155.8

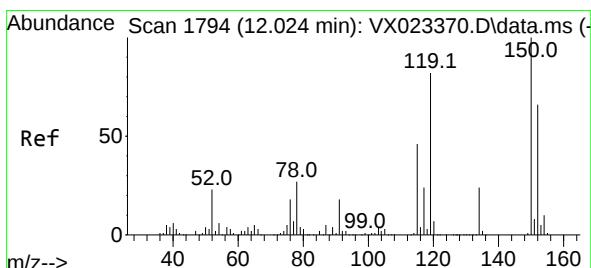
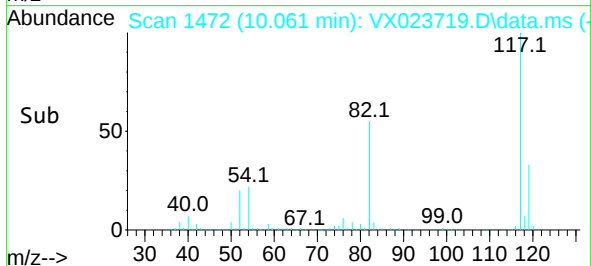
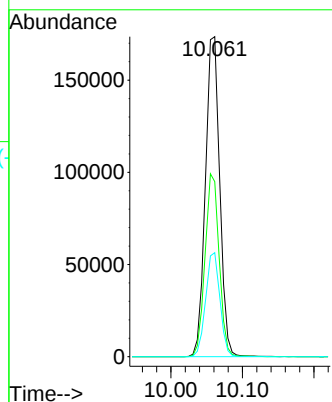
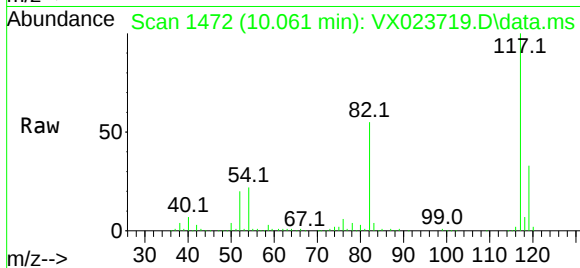




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023719.D
Acq: 14 Aug 2021 03:37

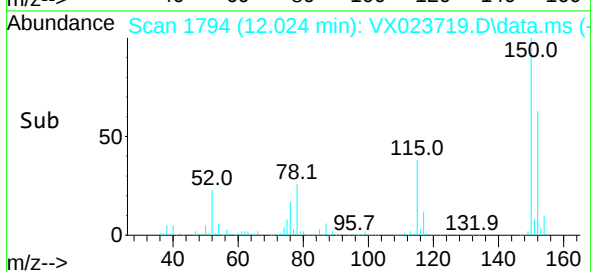
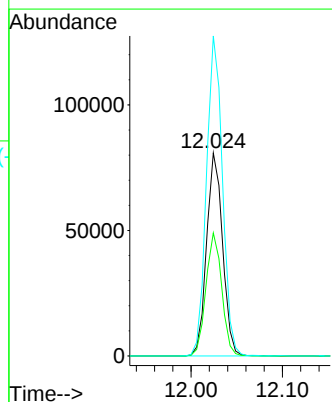
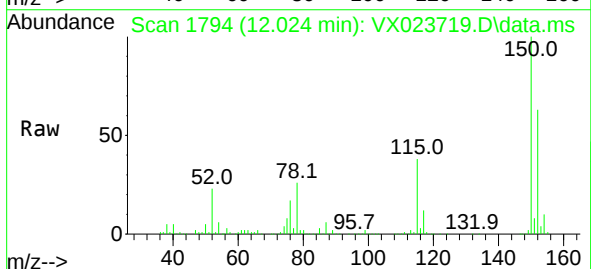
Instrument :
MSVOA_X
ClientSampleId :

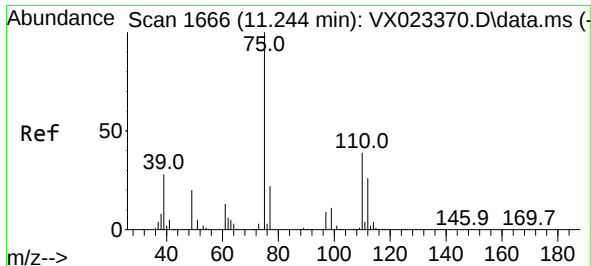
Tgt Ion:117 Resp: 242347
Ion Ratio Lower Upper
117 100
82 54.7 47.4 71.2
119 32.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023719.D
Acq: 14 Aug 2021 03:37

Tgt Ion:152 Resp: 97998
Ion Ratio Lower Upper
152 100
115 59.9 41.1 123.3
150 157.6 0.0 349.0

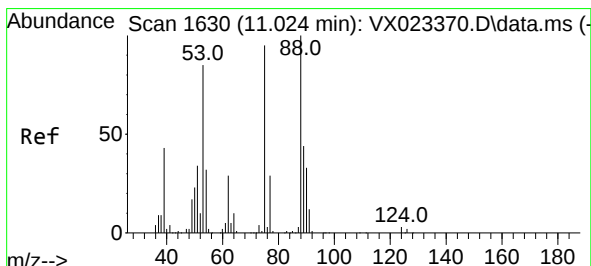
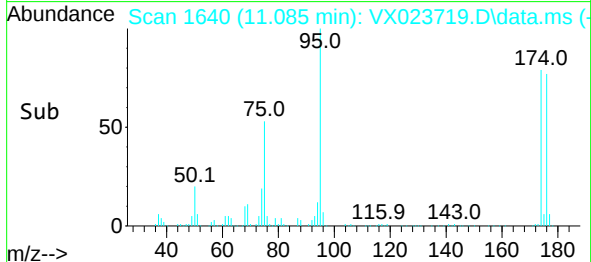
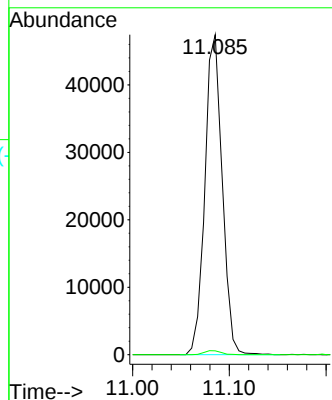
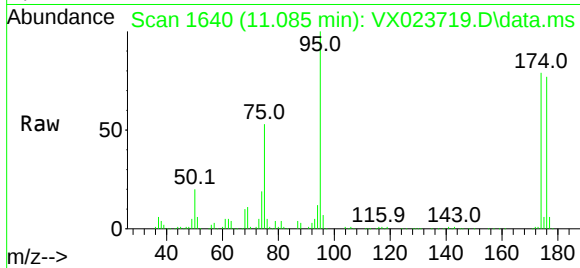




#76
1,2,3-Trichloropropane
Concen: 27.454 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023719.D
Acq: 14 Aug 2021 03:37

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 59206
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.822 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023719.D
Acq: 14 Aug 2021 03:37

Tgt Ion: 75 Resp: 59206
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

