

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023718.D
 Acq On : 14 Aug 2021 03:13
 Operator : JC/MD
 Sample : M3397-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:35:55 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)

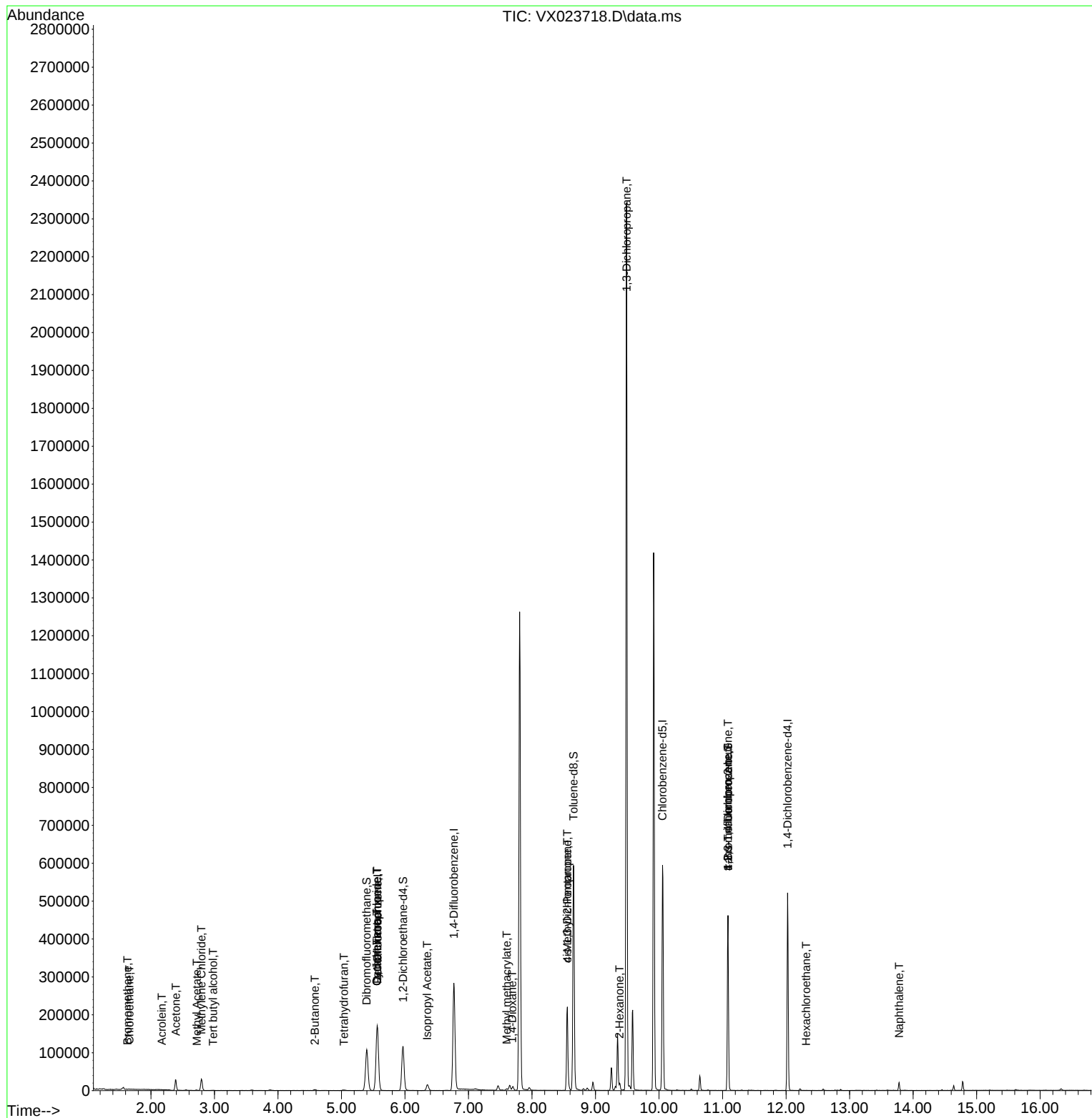
Internal Standards						
1) Pentafluorobenzene	5.568	168	160121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	277652	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	261937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	113883	57.017	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	114.040%
35) Dibromofluoromethane	5.397	113	89501	51.556	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.120%
50) Toluene-d8	8.653	98	342571	53.710	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	107.420%
62) 4-Bromofluorobenzene	11.085	95	112951	52.079	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.160%
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	466	0.452	ug/l #	65
6) Chloroethane	1.660	64	224	0.210	ug/l #	43
11) Tert butyl alcohol	2.977	59	845	1.852	ug/l #	82
13) Acrolein	2.172	56	20	1.449	ug/l #	14
16) Acetone	2.392	43	29518	30.127	ug/l	91
18) Methyl Acetate	2.721	43	1828	0.785	ug/l #	87
20) Methylene Chloride	2.794	84	13087	6.867	ug/l	90
25) 2-Butanone	4.580	43	4470	2.939	ug/l	97
29) Tetrahydrofuran	5.038	42	1660	1.665	ug/l #	65
31) Cyclohexane	5.556	56	3699	1.250	ug/l #	16
36) 1,1-Dichloropropene	5.562	75	12772	5.085	ug/l #	49
38) Carbon Tetrachloride	5.556	117	16181	6.335	ug/l #	17
43) Isopropyl Acetate	6.348	43	20861	4.251	ug/l #	93
48) Methyl methacrylate	7.604	41	5983	2.633	ug/l #	10
49) 1,4-Dioxane	7.690	88	22	0.455	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	77203	25.722	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	32505	10.828	ug/l #	73
57) 1,3-Dichloropropane	9.488	76	18639	5.871	ug/l #	42
59) 2-Hexanone	9.378	43	8617	3.781	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	60257	26.534	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	60257	71.346	ug/l #	12
90) Hexachloroethane	12.317	117	31	1.924	ug/l #	9
95) Naphthalene	13.780	128	12336	1.697	ug/l	99

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

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QLast Update : Fri Jul 23 06:05:38 2021
Response via : Initial Calibration

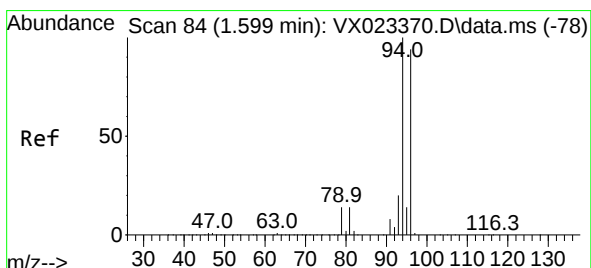
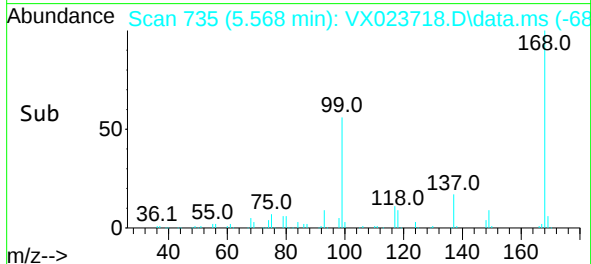
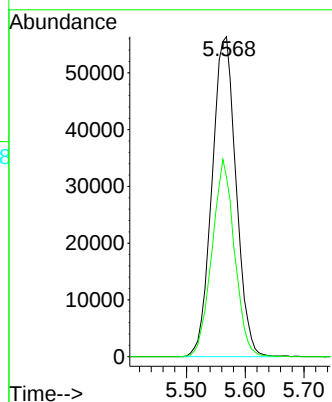
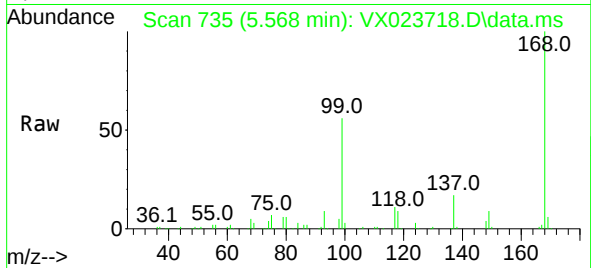




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

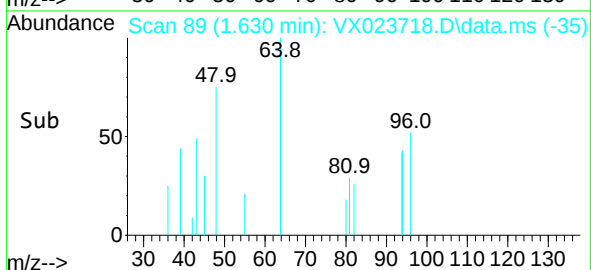
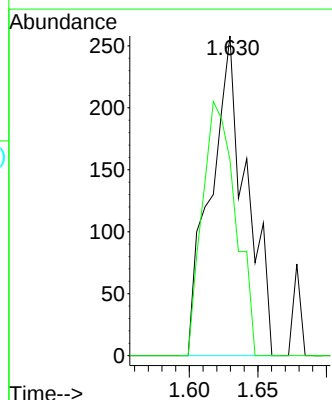
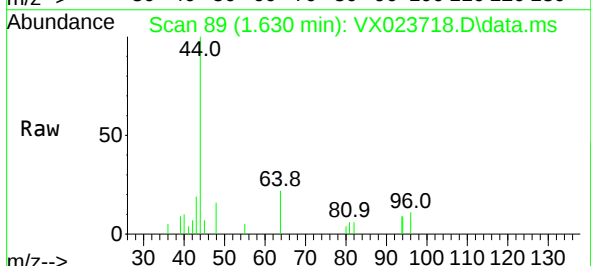
Instrument :
MSVOA_X
ClientSampled :

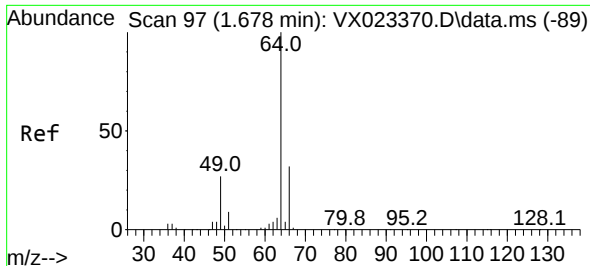
Tgt Ion:168 Resp: 160121
Ion Ratio Lower Upper
168 100
99 56.2 45.8 68.6



#5
Bromomethane
Concen: 0.452 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

Tgt Ion: 94 Resp: 466
Ion Ratio Lower Upper
94 100
96 61.2 76.4 114.6#

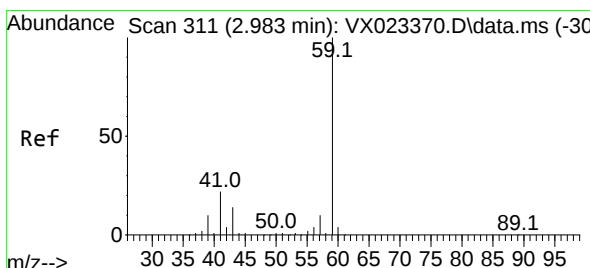
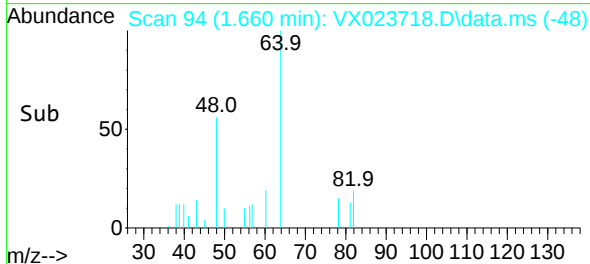
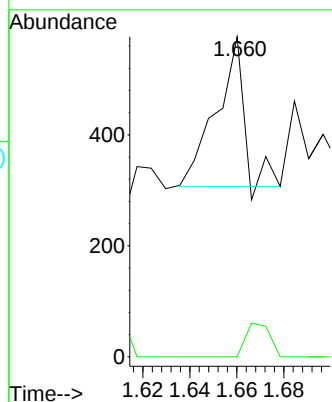
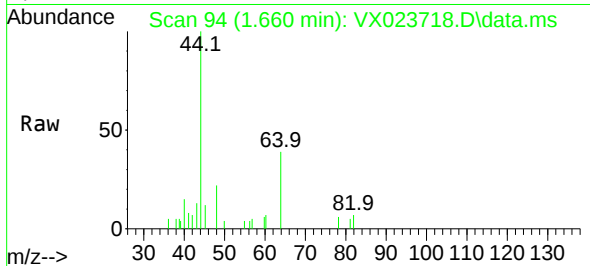




#6
Chloroethane
Concen: 0.210 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

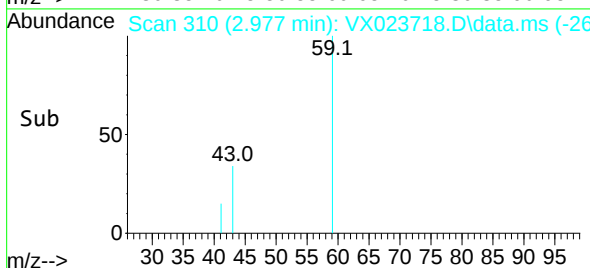
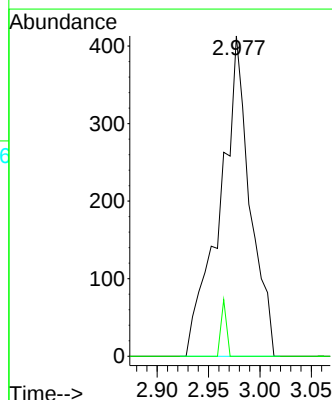
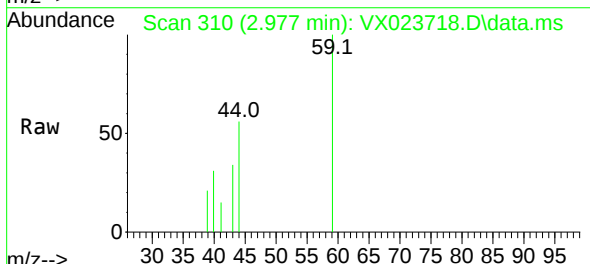
Instrument :
MSVOA_X
ClientSampled :

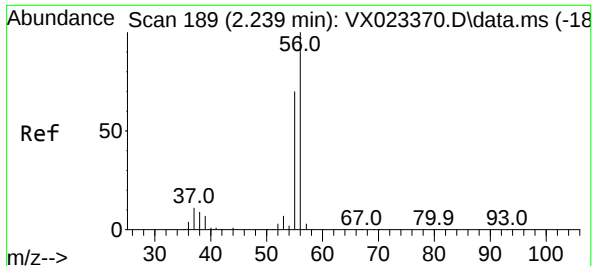
Tgt Ion: 64 Resp: 224
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 1.852 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

Tgt Ion: 59 Resp: 845
Ion Ratio Lower Upper
59 100
57 3.2 7.8 11.8#

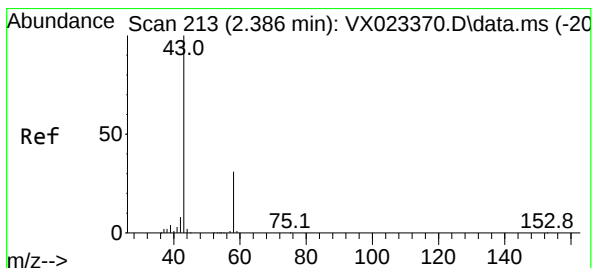
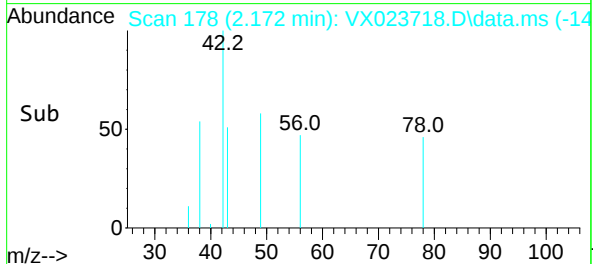
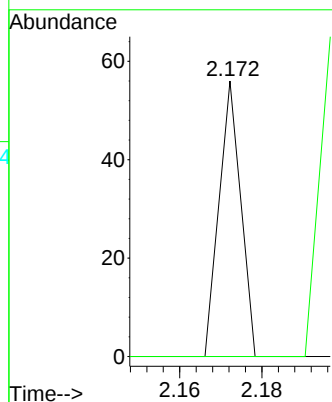
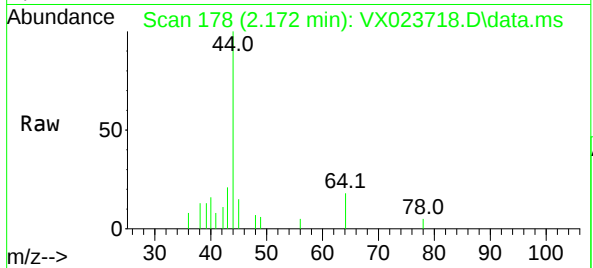




#13
Acrolein
Concen: 1.449 ug/l
RT: 2.172 min Scan# 178
Delta R.T. -0.067 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

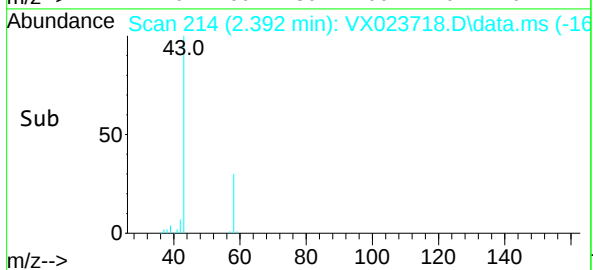
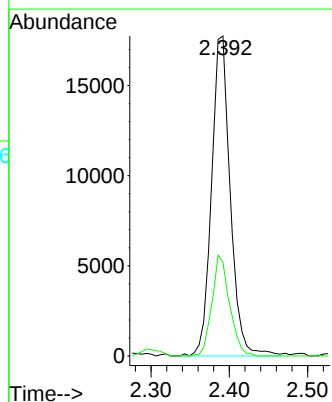
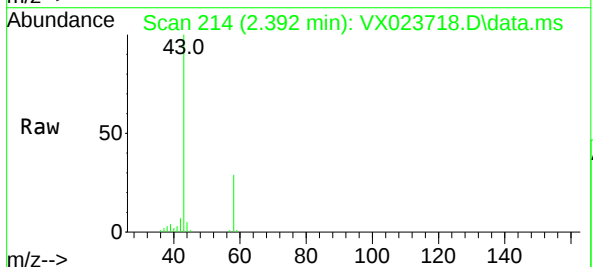
Instrument :
MSVOA_X
ClientSampleId :

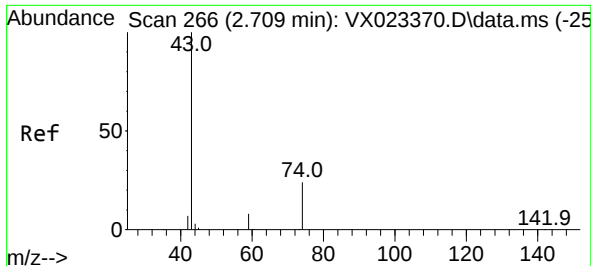
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 30.127 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

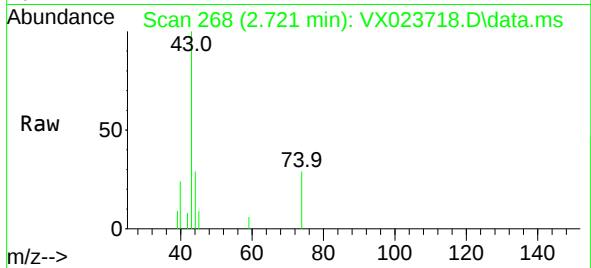
Tgt Ion: 43 Resp: 29518
Ion Ratio Lower Upper
43 100
58 29.4 27.8 41.8



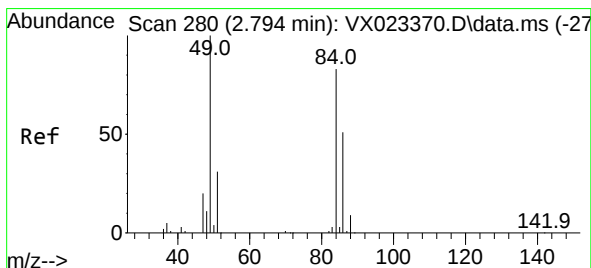
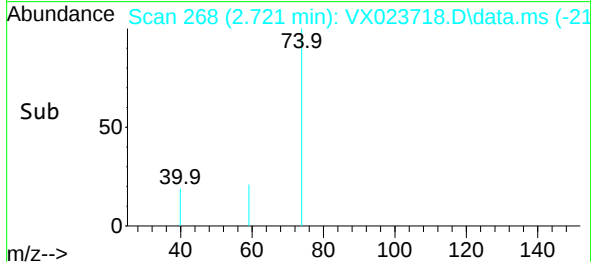
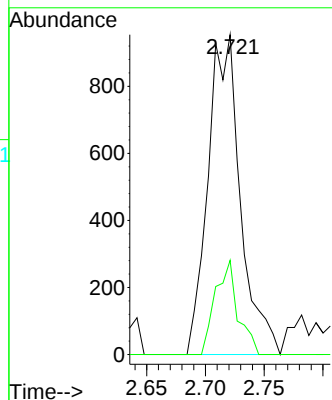


#18
Methyl Acetate
Concen: 0.785 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.012 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

Instrument :
MSVOA_X
ClientSampled :

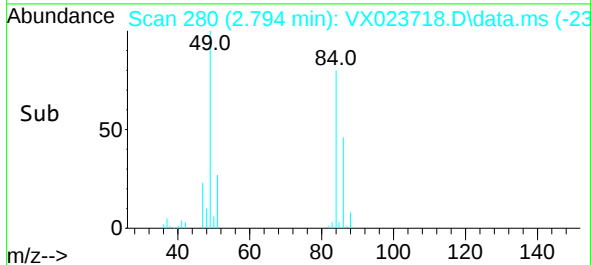
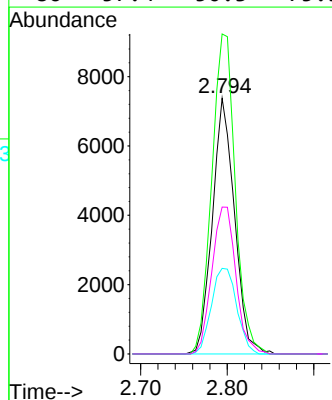
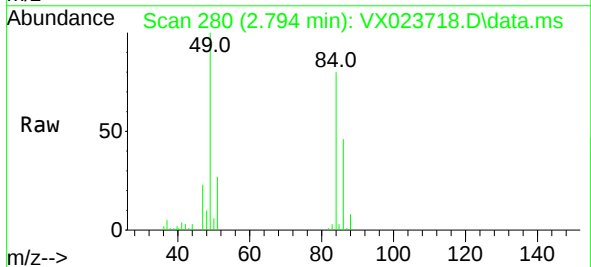


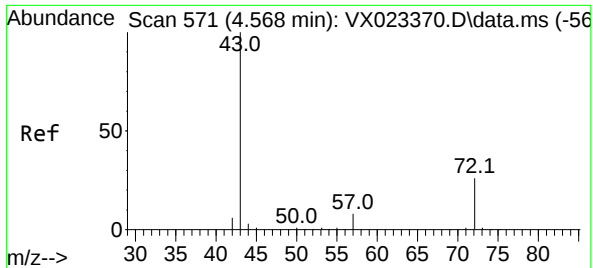
Tgt Ion: 43 Resp: 1828
Ion Ratio Lower Upper
43 100
74 20.6 21.9 32.9#



#20
Methylene Chloride
Concen: 6.867 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

Tgt Ion: 84 Resp: 13087
Ion Ratio Lower Upper
84 100
49 125.2 88.6 132.8
51 33.5 27.0 40.6
86 57.4 50.3 75.5

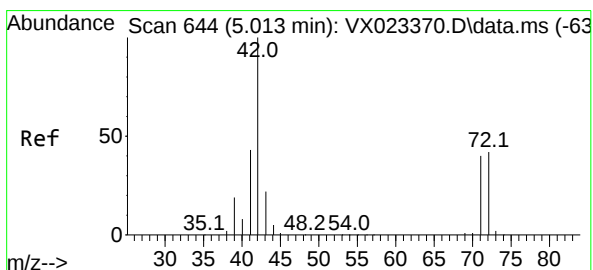
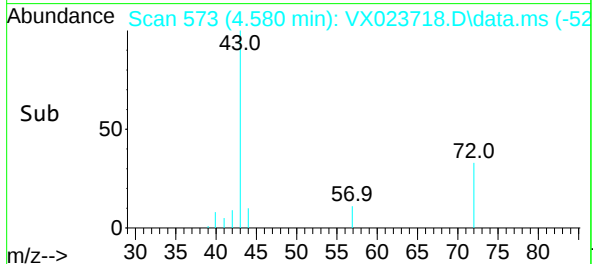
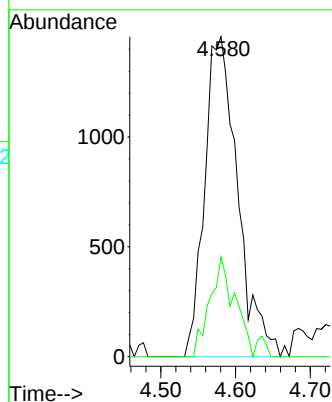
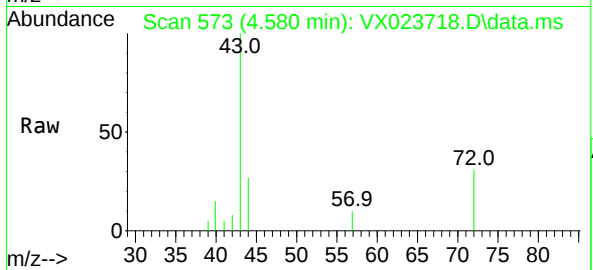




#25
2-Butanone
Concen: 2.939 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

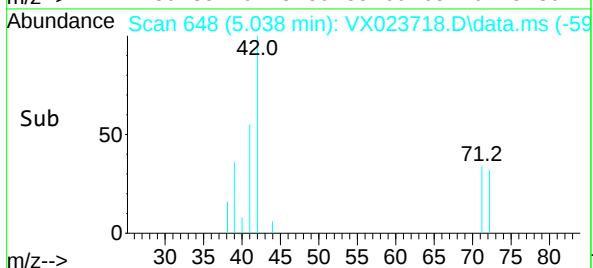
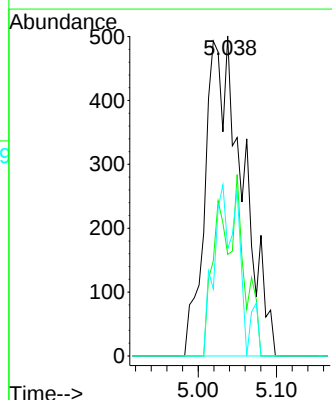
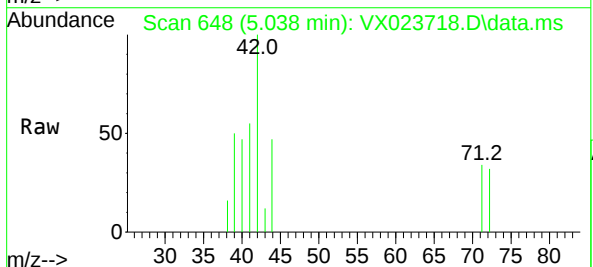
Instrument :
MSVOA_X
ClientSampled :

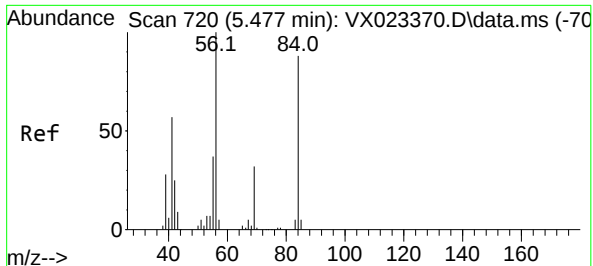
Tgt Ion: 43 Resp: 4470
Ion Ratio Lower Upper
43 100
72 31.2 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.665 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.025 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

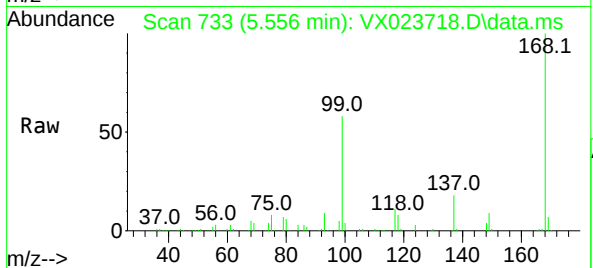
Tgt Ion: 42 Resp: 1660
Ion Ratio Lower Upper
42 100
72 19.4 41.7 62.5#
71 32.7 38.4 57.6#



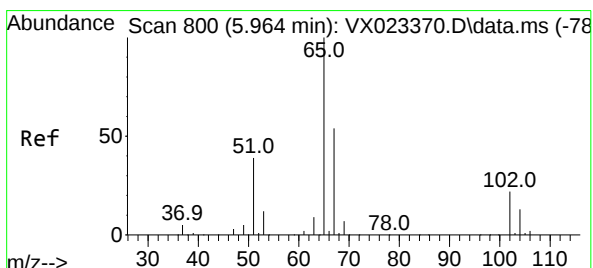
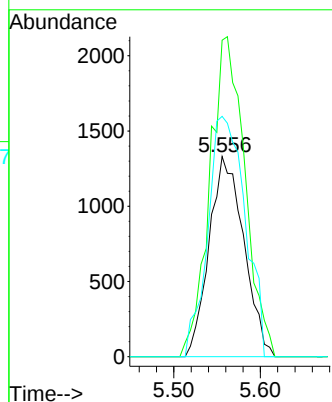
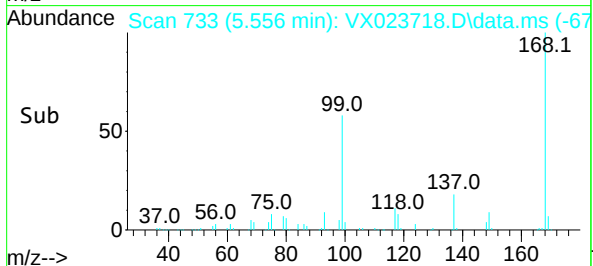


#31
Cyclohexane
Concen: 1.250 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

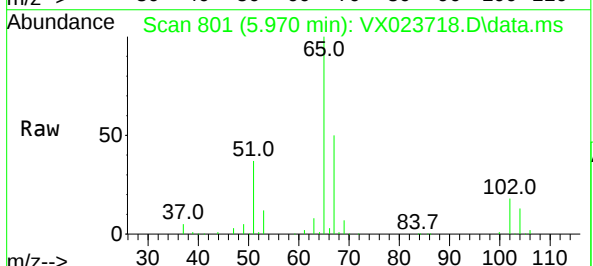
Instrument :
MSVOA_X
ClientSampleId :



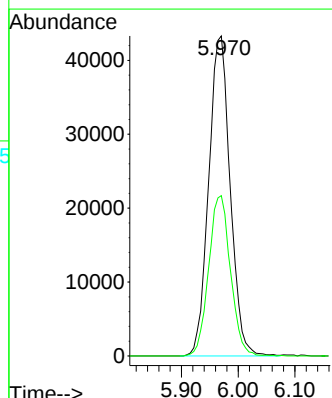
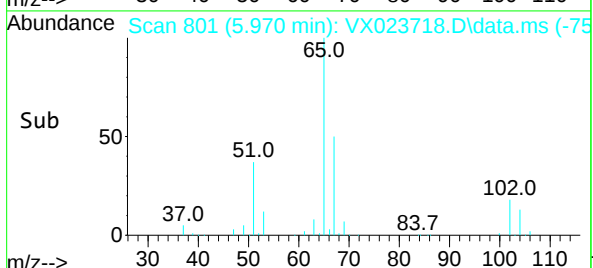
Tgt Ion: 56 Resp: 3699
Ion Ratio Lower Upper
56 100
69 158.2 25.3 37.9#
84 120.1 71.4 107.0#

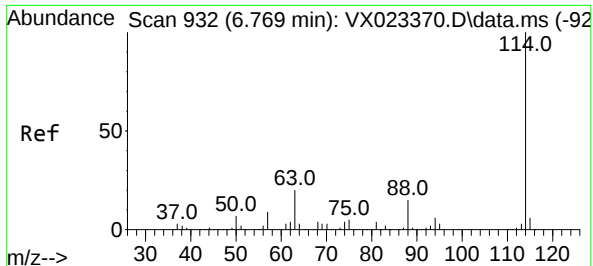


#33
1,2-Dichloroethane-d4
Concen: 57.017 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13



Tgt Ion: 65 Resp: 113883
Ion Ratio Lower Upper
65 100
67 50.8 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: VX023718.D

Acq: 14 Aug 2021 03:13

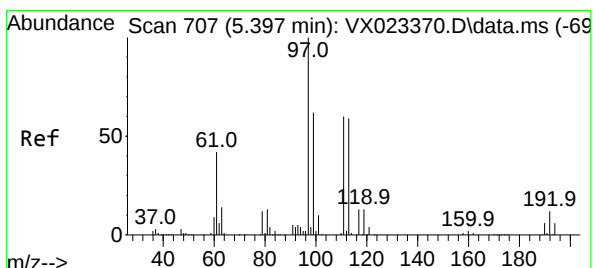
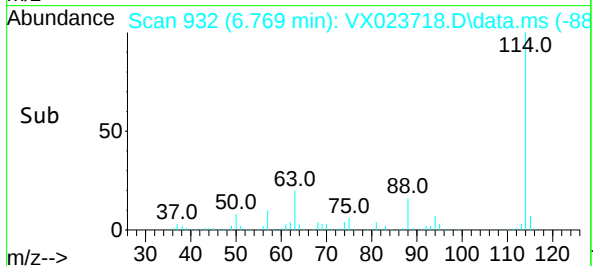
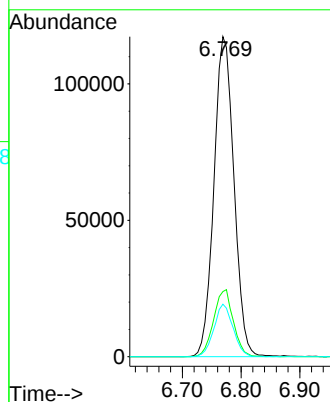
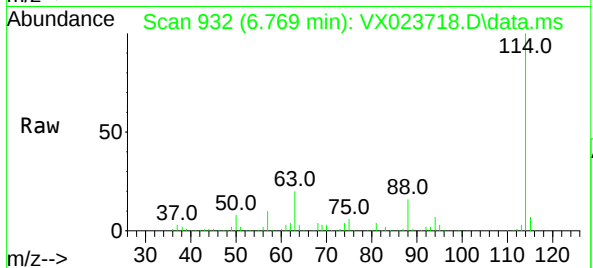
Tgt Ion:114 Resp: 277652

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 16.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 51.556 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023718.D

Acq: 14 Aug 2021 03:13

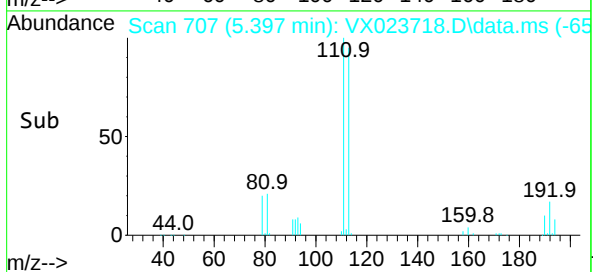
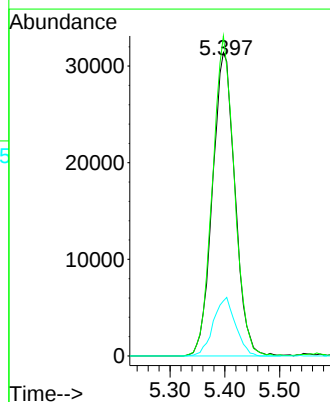
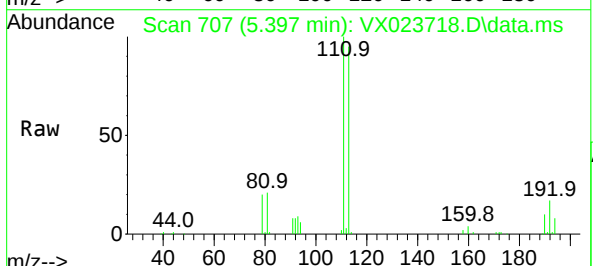
Tgt Ion:113 Resp: 89501

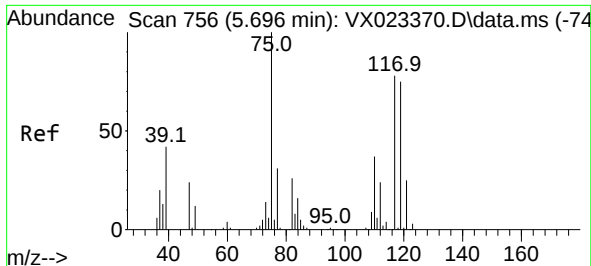
Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

192 19.1 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.085 ug/l

RT: 5.562 min Scan# 734

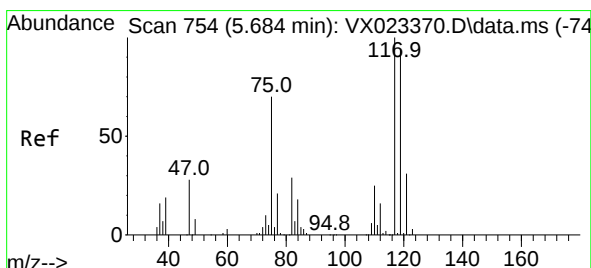
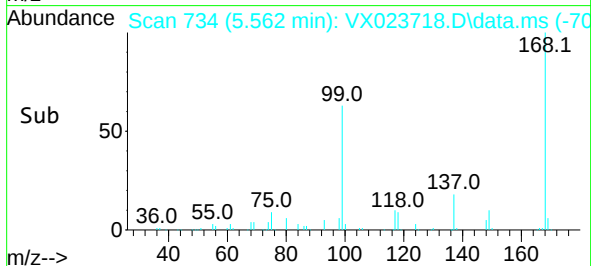
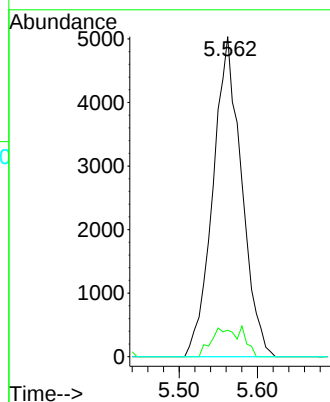
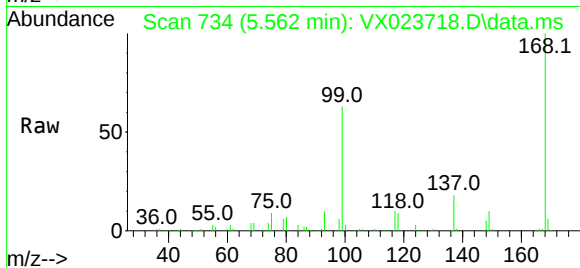
Delta R.T. -0.134 min

Lab File: VX023718.D

Acq: 14 Aug 2021 03:13

Tgt Ion:	75	Resp:	12772
Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.335 ug/l

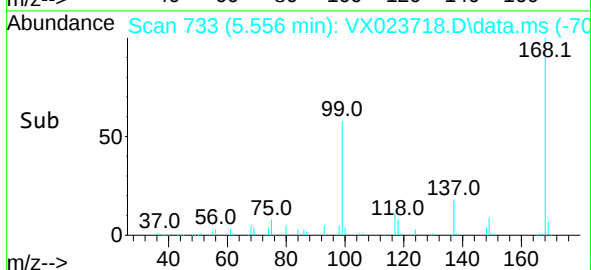
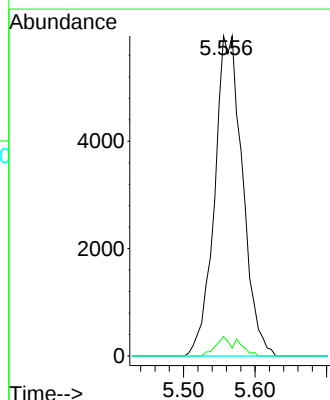
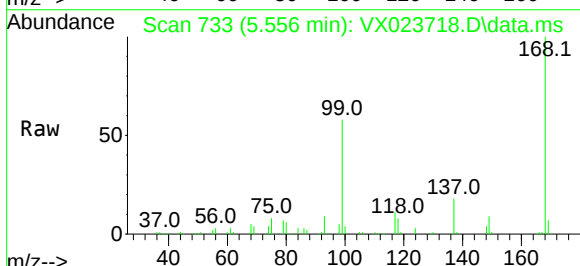
RT: 5.556 min Scan# 733

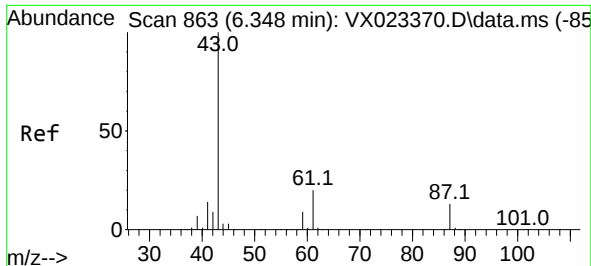
Delta R.T. -0.128 min

Lab File: VX023718.D

Acq: 14 Aug 2021 03:13

Tgt Ion:	117	Resp:	16181
Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.2	114.2#
121	0.0	24.8	37.2#

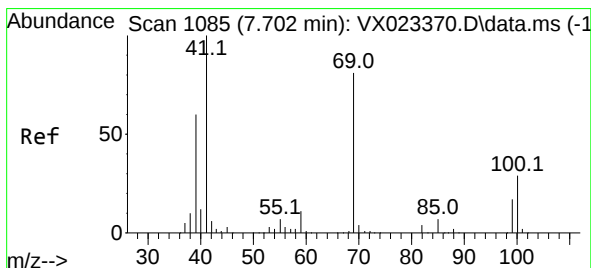
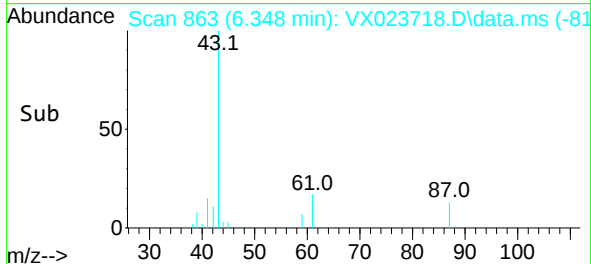
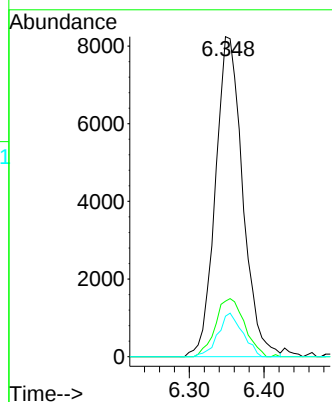
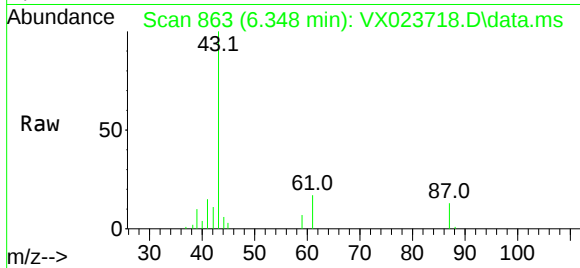




#43
Isopropyl Acetate
Concen: 4.251 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

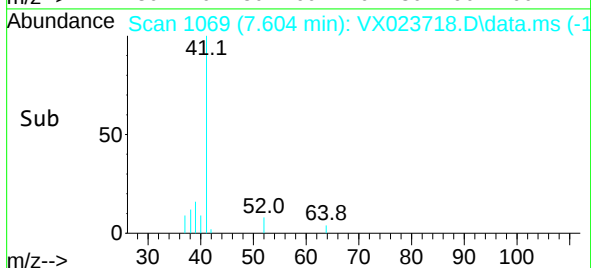
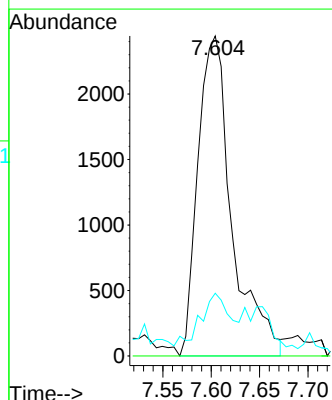
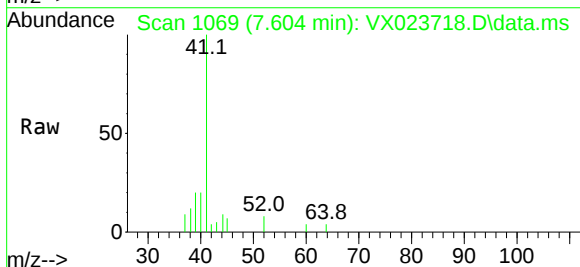
Instrument :
MSVOA_X
ClientSampleId :

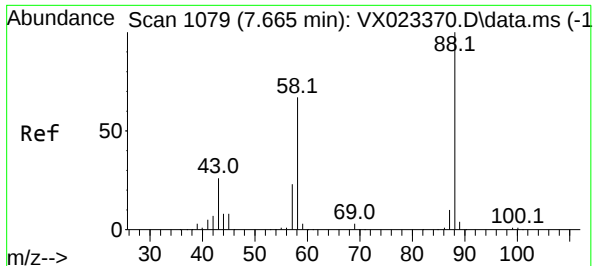
Tgt Ion:	43	Resp:	20861
Ion	Ratio	Lower	Upper
43	100		
61	19.4	18.2	27.4
87	12.2	12.5	18.7#



#48
Methyl methacrylate
Concen: 2.633 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

Tgt Ion:	41	Resp:	5983
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#

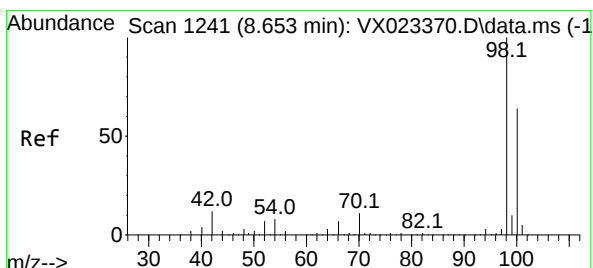
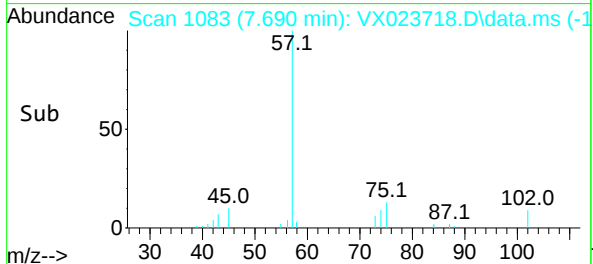
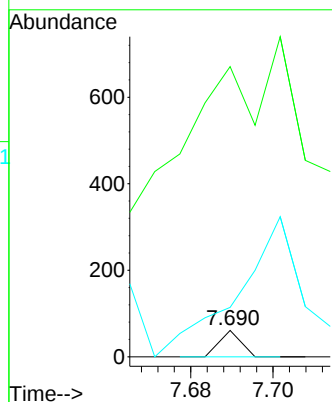
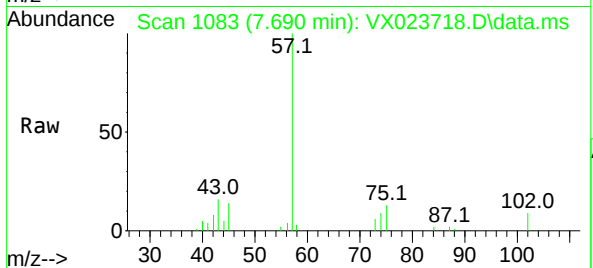




#49
1,4-Dioxane
Concen: 0.455 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.025 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

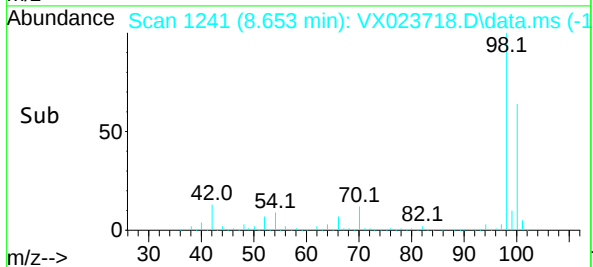
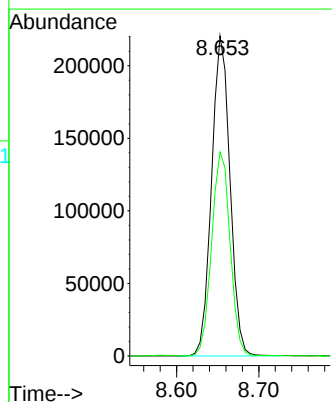
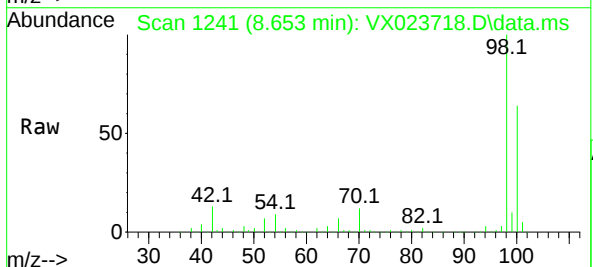
Instrument :
MSVOA_X
ClientSampled :

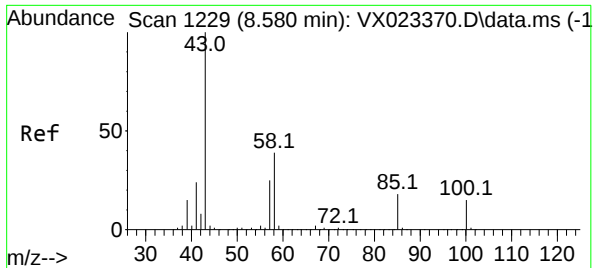
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 1740.9 55.0 82.4#



#50
Toluene-d8
Concen: 53.710 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

Tgt Ion: 98 Resp: 342571
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

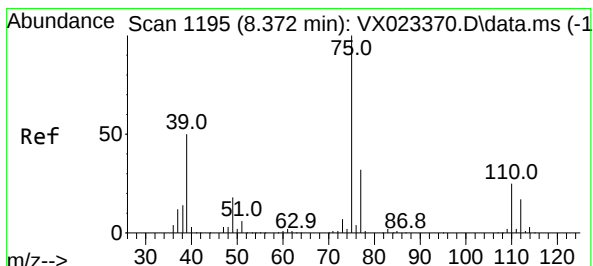
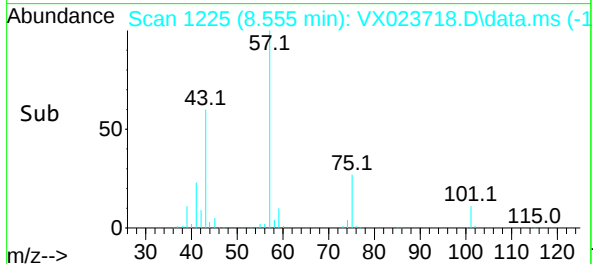
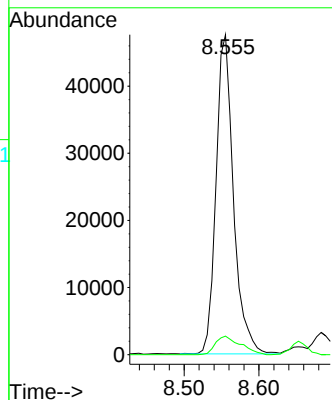
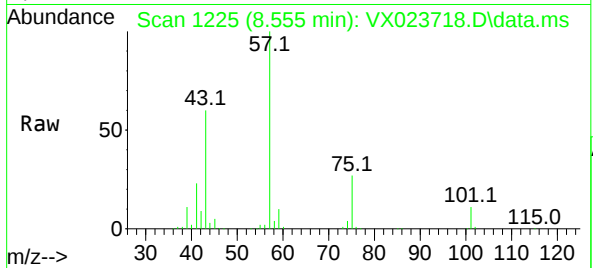




#51
4-Methyl-2-Pentanone
Concen: 25.722 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

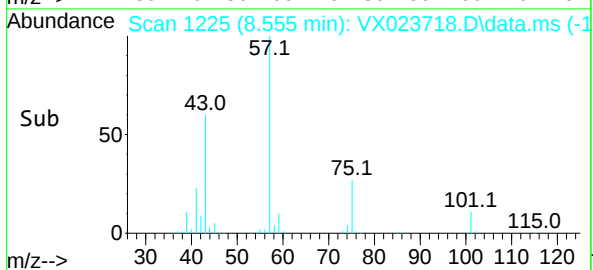
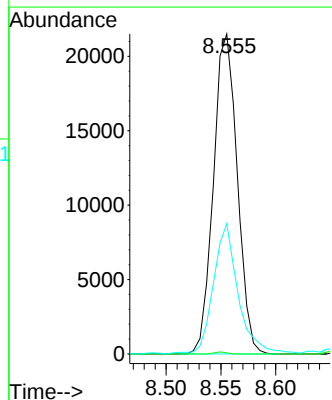
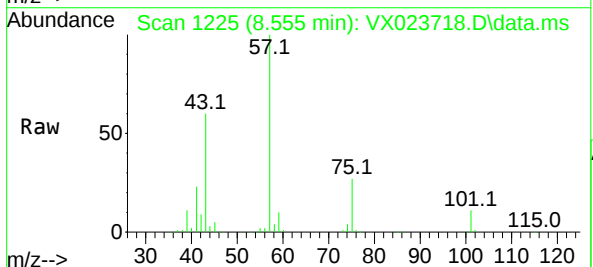
Instrument :
MSVOA_X
ClientSampled :

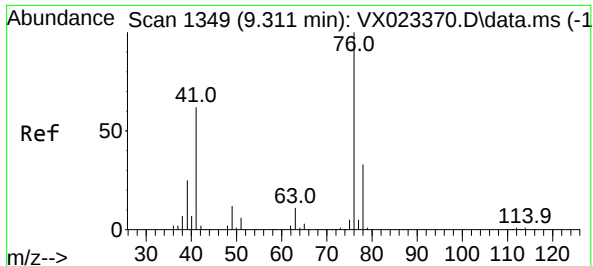
Tgt Ion: 43 Resp: 77203
Ion Ratio Lower Upper
43 100
58 8.4 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 10.828 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

Tgt Ion: 75 Resp: 32505
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 40.2 35.1 52.7



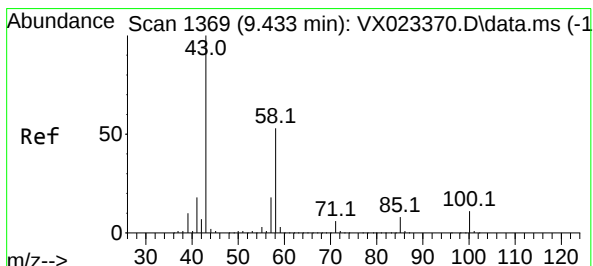
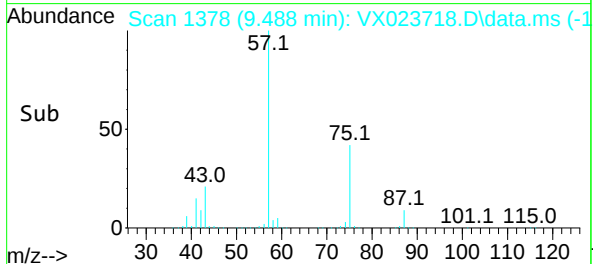
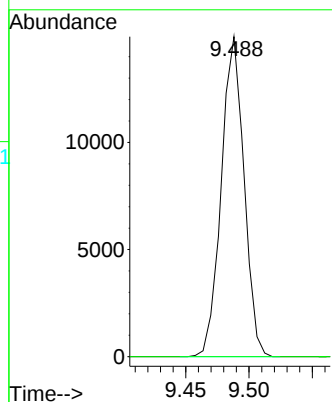
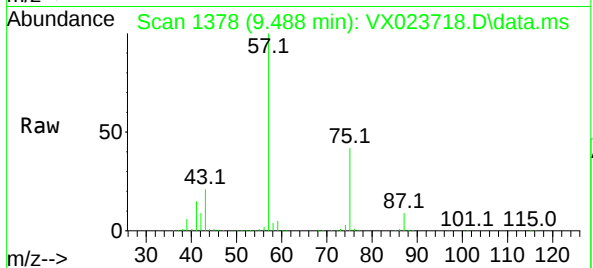


#57

1,3-Dichloropropane
Concen: 5.871 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

Instrument :
MSVOA_X
ClientSampled :

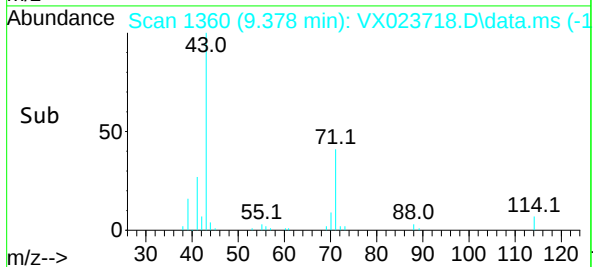
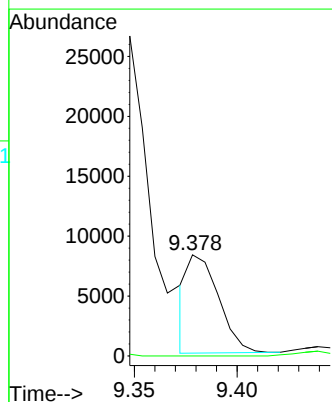
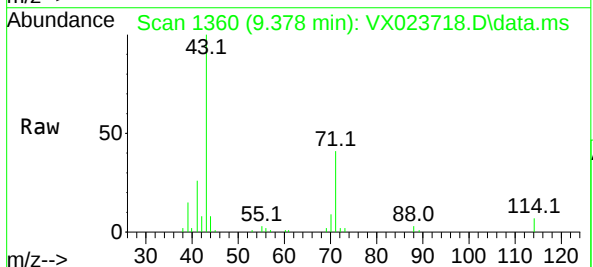
Tgt Ion: 76 Resp: 18639
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

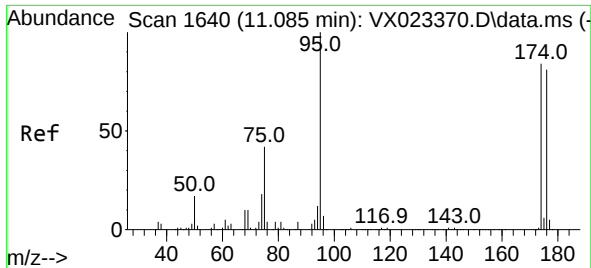


#59

2-Hexanone
Concen: 3.781 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

Tgt Ion: 43 Resp: 8617
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

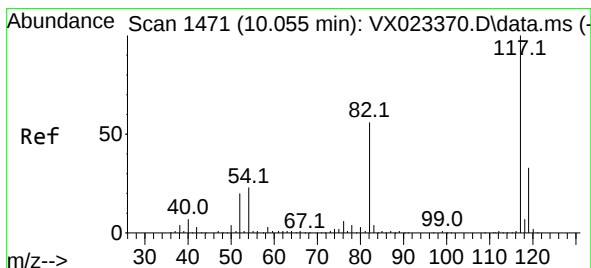
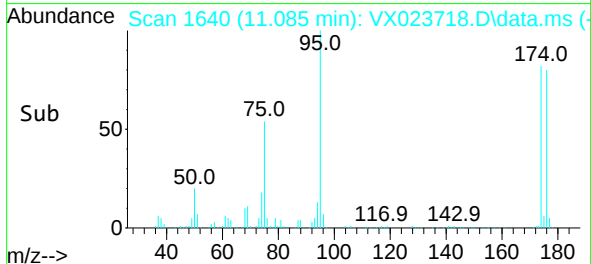
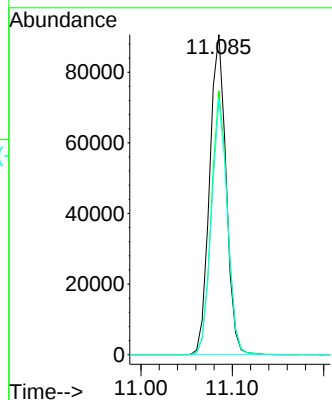
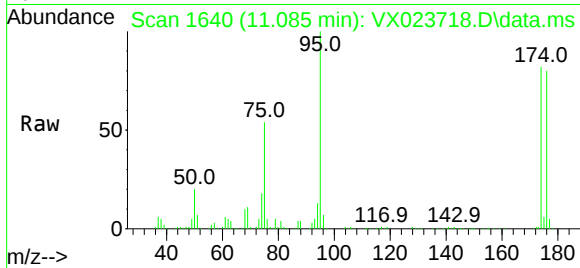




#62
4-Bromofluorobenzene
Concen: 52.079 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

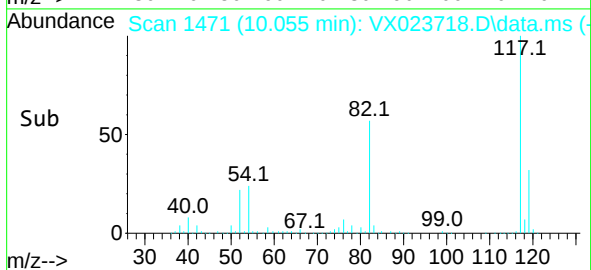
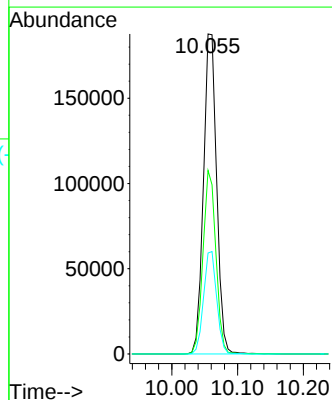
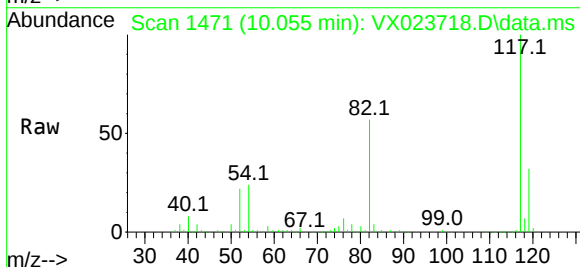
Instrument :
MSVOA_X
ClientSampleId :

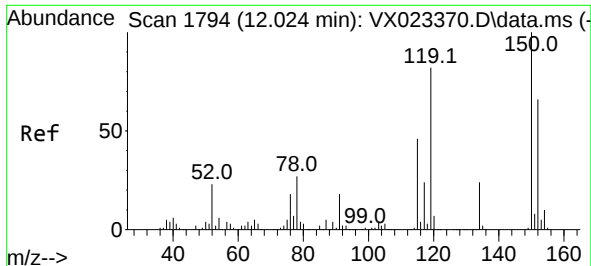
Tgt Ion: 95 Resp: 112951
Ion Ratio Lower Upper
95 100
174 80.6 0.0 154.6
176 77.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

Tgt Ion: 117 Resp: 261937
Ion Ratio Lower Upper
117 100
82 57.4 47.4 71.2
119 31.6 26.6 39.8

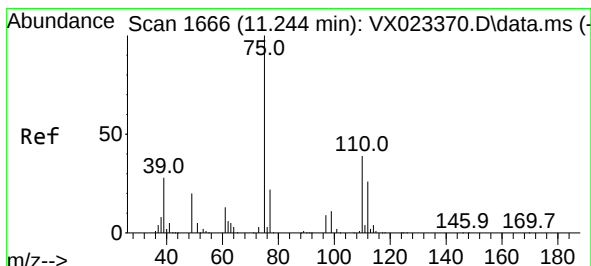
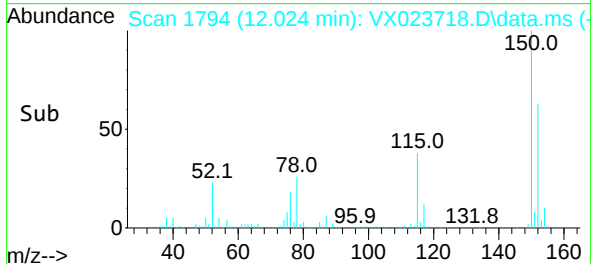
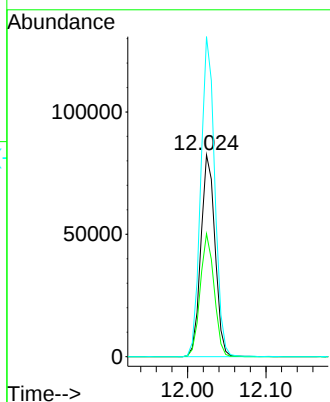
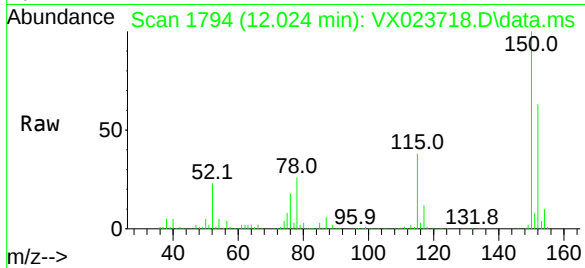




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023718.D
 Acq: 14 Aug 2021 03:13

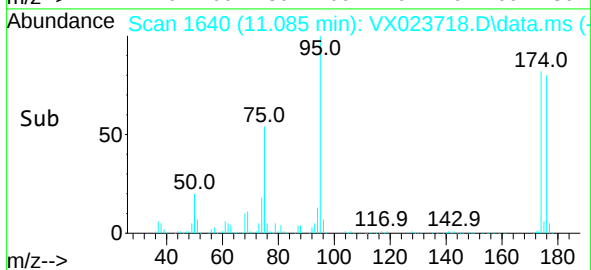
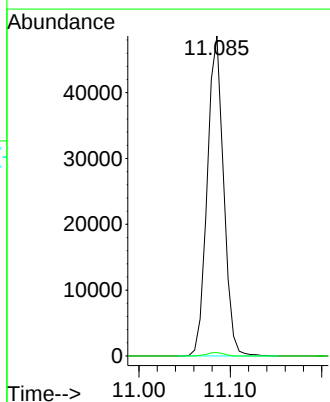
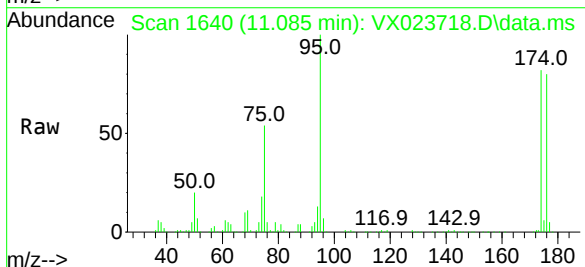
Instrument :
 MSVOA_X
 ClientSampled :

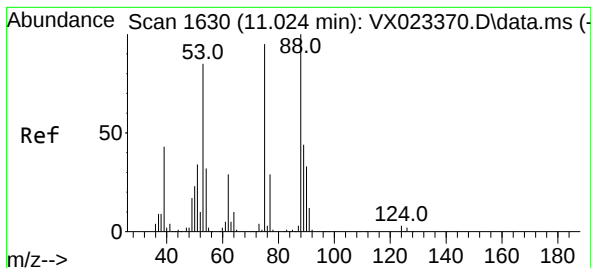
Tgt Ion:152 Resp: 103198
 Ion Ratio Lower Upper
 152 100
 115 59.9 41.1 123.3
 150 157.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.534 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023718.D
 Acq: 14 Aug 2021 03:13

Tgt Ion: 75 Resp: 60257
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

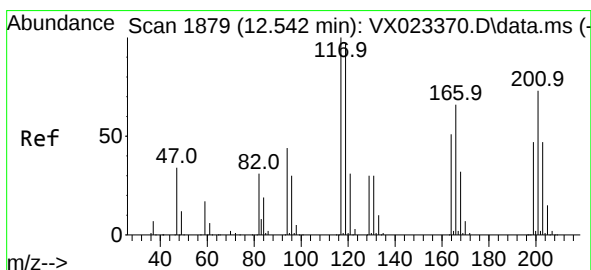
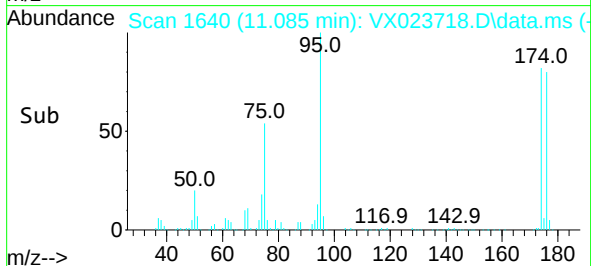
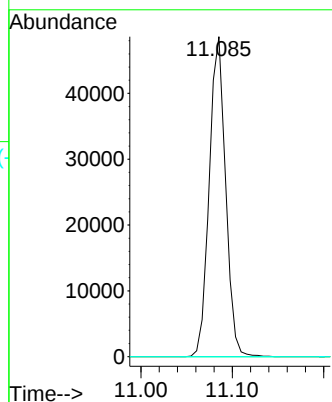
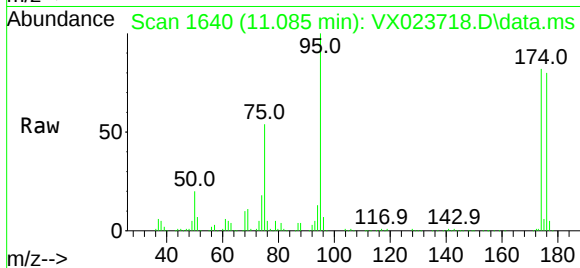




#81
trans-1,4-Dichloro-2-butene
Concen: 71.346 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

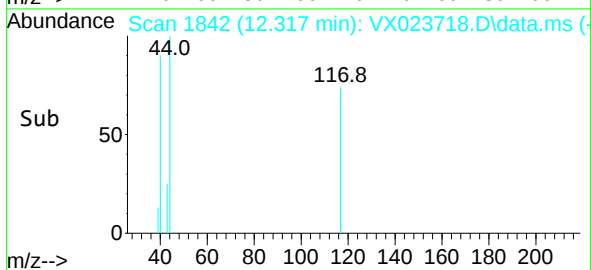
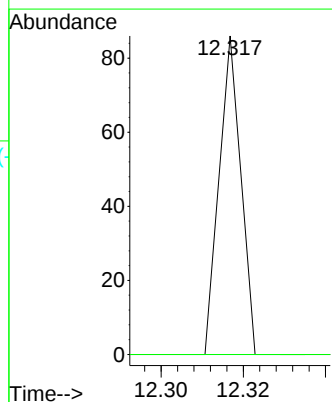
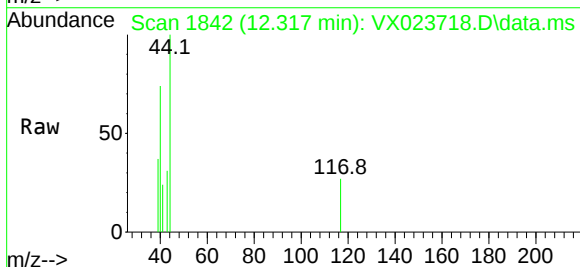
Instrument :
MSVOA_X
ClientSampleId :

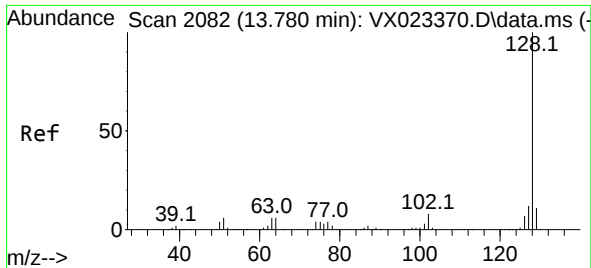
Tgt Ion: 75 Resp: 60257
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 1.924 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.225 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

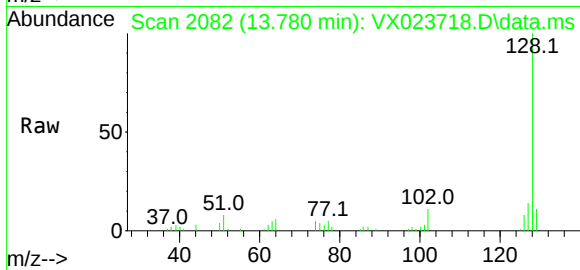
Tgt Ion: 117 Resp: 31
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 1.697 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023718.D
Acq: 14 Aug 2021 03:13

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.4	8.8	13.2

