

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023717.D
 Acq On : 14 Aug 2021 02:50
 Operator : JC/MD
 Sample : M3394-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:35:35 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)

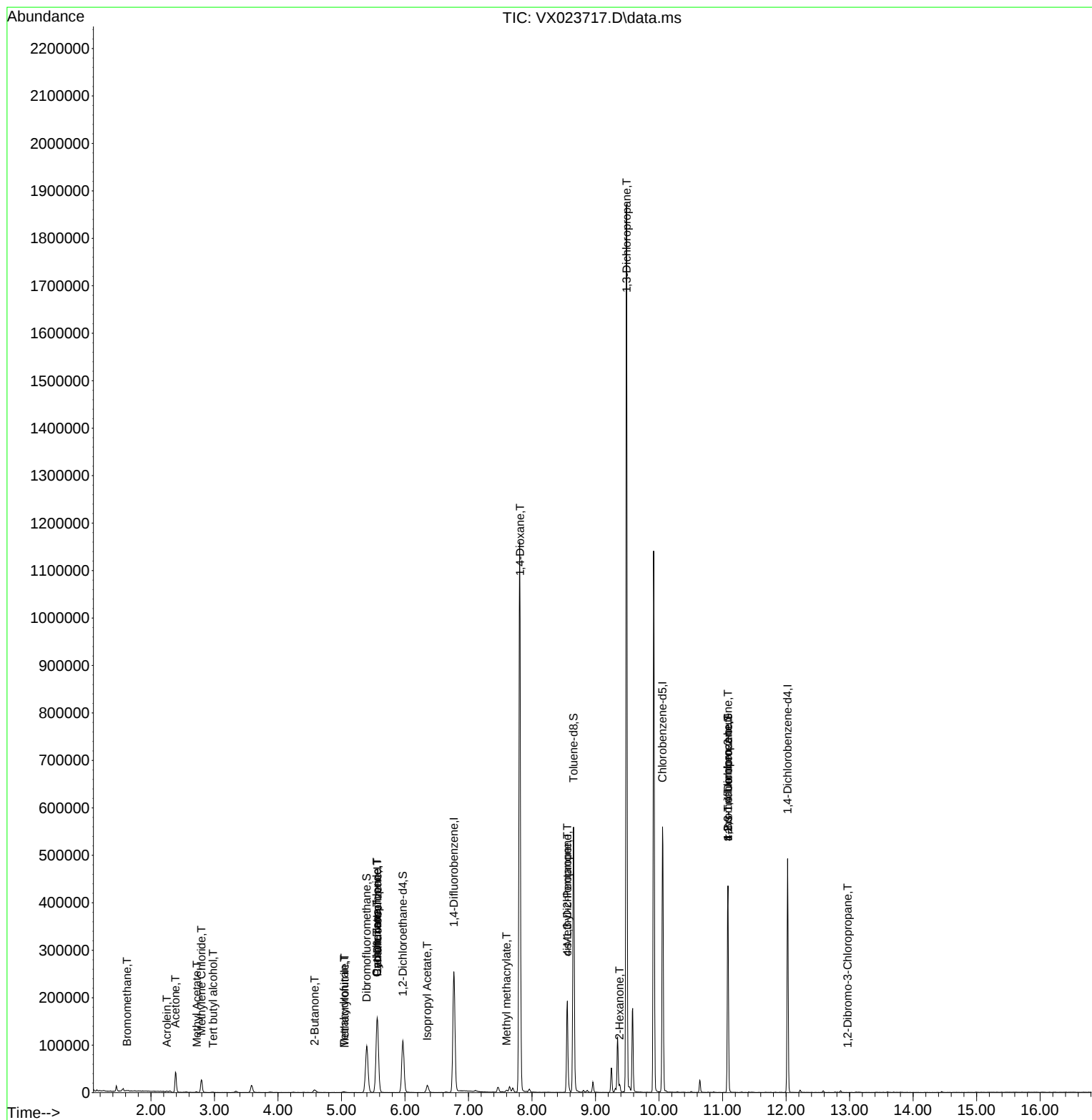
Internal Standards						
1) Pentafluorobenzene	5.568	168	148213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	252864	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	242843	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	105132	56.864	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.720%	
35) Dibromofluoromethane	5.397	113	81460	51.524	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.040%	
50) Toluene-d8	8.653	98	319063	54.928	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 109.860%	
62) 4-Bromofluorobenzene	11.085	95	107997	54.677	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.360%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	576	0.603	ug/l #	32
11) Tert butyl alcohol	2.977	59	880	2.084	ug/l #	73
13) Acrolein	2.251	56	267	2.600	ug/l	99
16) Acetone	2.386	43	44027	48.545	ug/l	98
18) Methyl Acetate	2.721	43	1730	0.802	ug/l	95
20) Methylene Chloride	2.794	84	12060	6.836	ug/l	96
25) 2-Butanone	4.574	43	10414	7.396	ug/l	91
29) Tetrahydrofuran	5.044	42	1557	1.687	ug/l #	78
31) Cyclohexane	5.556	56	3674	1.341	ug/l #	23
36) 1,1-Dichloropropene	5.562	75	12181	5.325	ug/l #	49
38) Carbon Tetrachloride	5.556	117	15492	6.660	ug/l #	16
41) Methacrylonitrile	5.050	41	981	0.644	ug/l #	21
43) Isopropyl Acetate	6.348	43	20517	4.591	ug/l #	91
48) Methyl methacrylate	7.598	41	5544	2.679	ug/l #	10
49) 1,4-Dioxane	7.811	88	105	2.382	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	69050	25.261	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	28612	10.465	ug/l #	72
57) 1,3-Dichloropropane	9.488	76	15263	5.279	ug/l #	43
59) 2-Hexanone	9.378	43	7408	3.569	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	57078	27.173	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57078	73.065	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	12.969	75	20	2.153	ug/l #	1

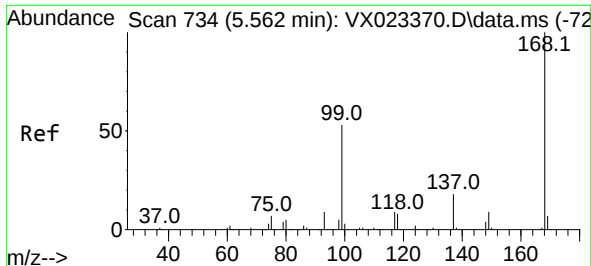
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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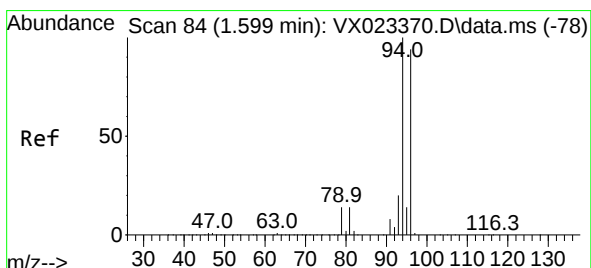
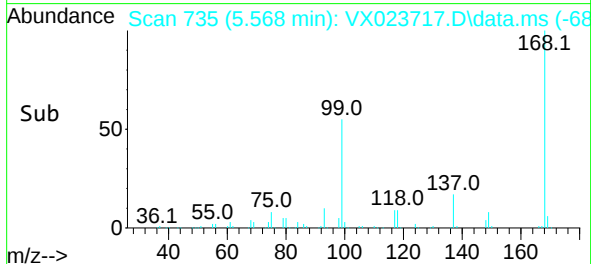
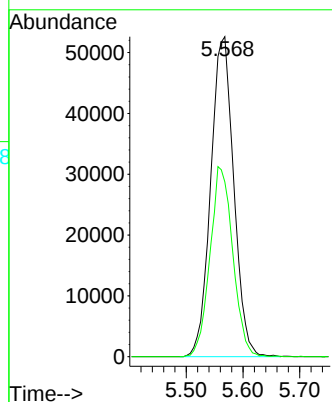
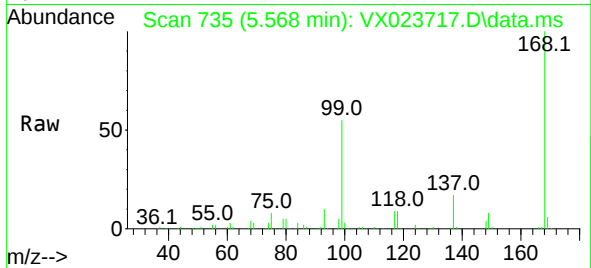




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

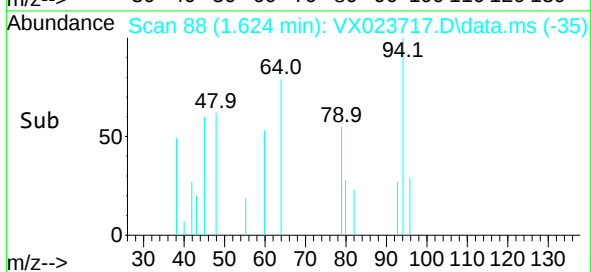
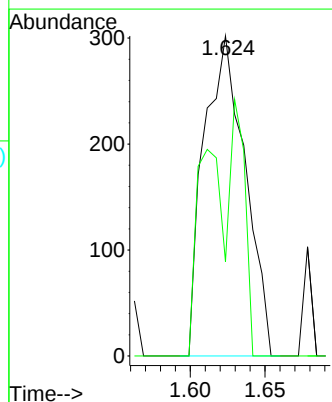
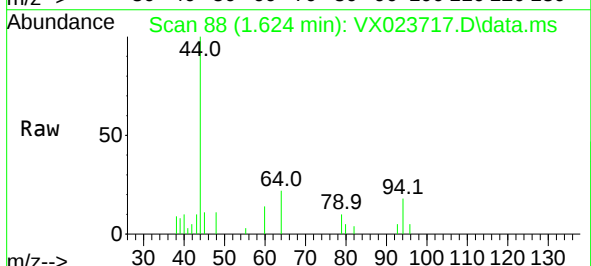
Instrument :
MSVOA_X
ClientSampled :

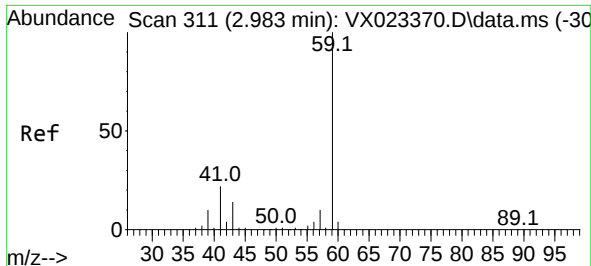
Tgt Ion:168 Resp: 148213
Ion Ratio Lower Upper
168 100
99 54.6 45.8 68.6



#5
Bromomethane
Concen: 0.603 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

Tgt Ion: 94 Resp: 576
Ion Ratio Lower Upper
94 100
96 29.5 76.4 114.6#



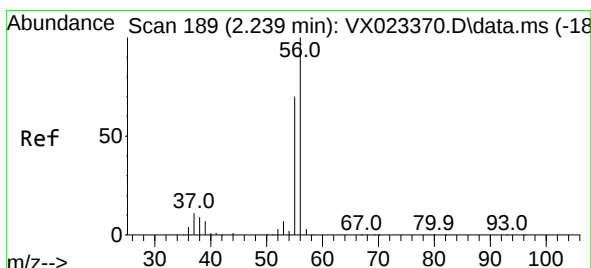
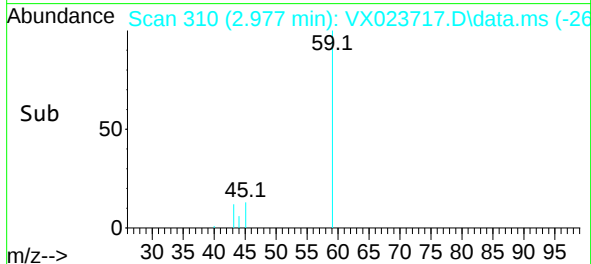
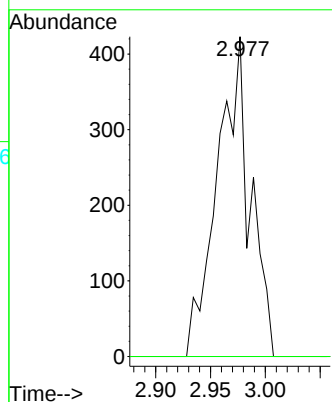
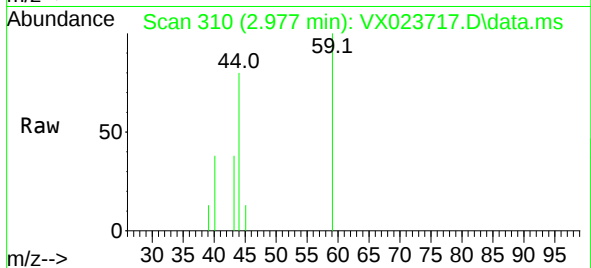


#11

Tert butyl alcohol
Concen: 2.084 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

Instrument :
MSVOA_X
ClientSampled :

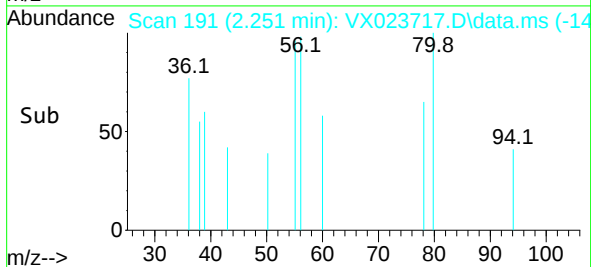
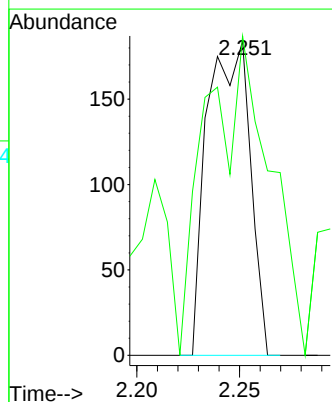
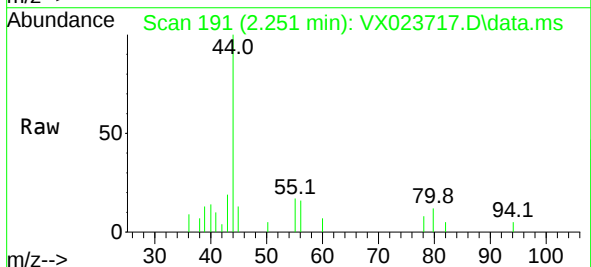
Tgt Ion: 59 Resp: 880
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

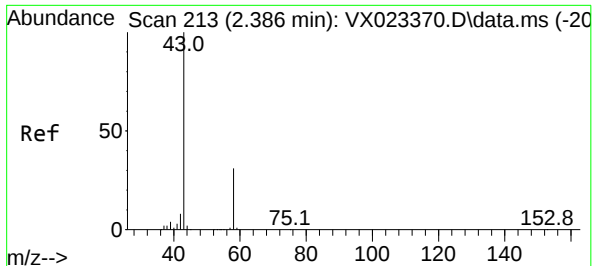


#13

Acrolein
Concen: 2.600 ug/l
RT: 2.251 min Scan# 191
Delta R.T. 0.012 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

Tgt Ion: 56 Resp: 267
Ion Ratio Lower Upper
56 100
55 70.0 56.4 84.6

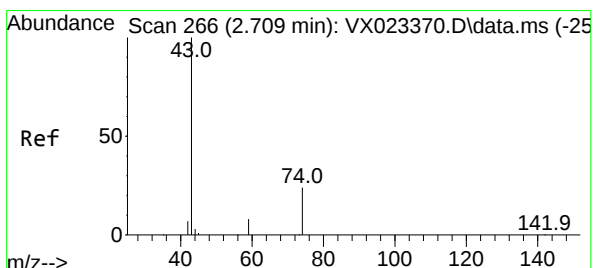
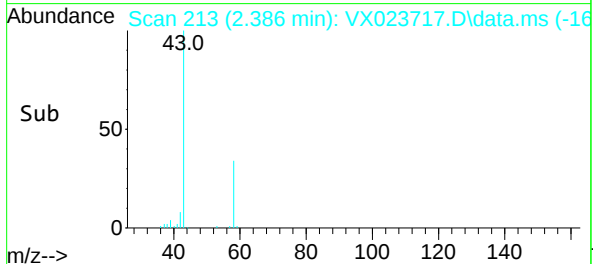
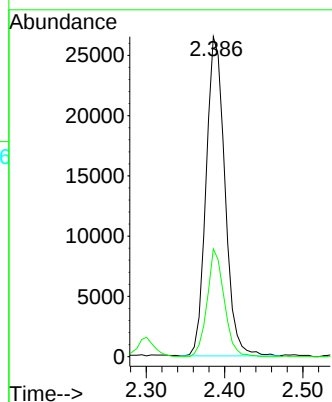
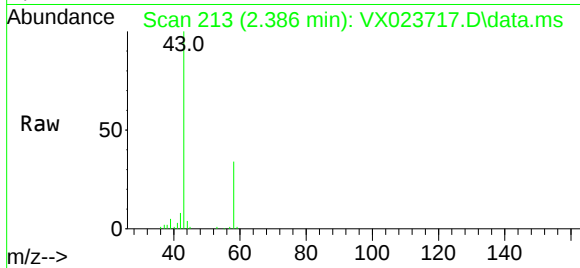




#16
Acetone
Concen: 48.545 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

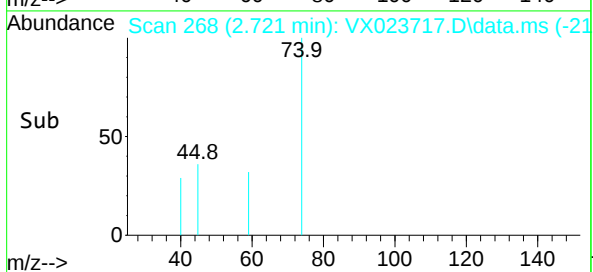
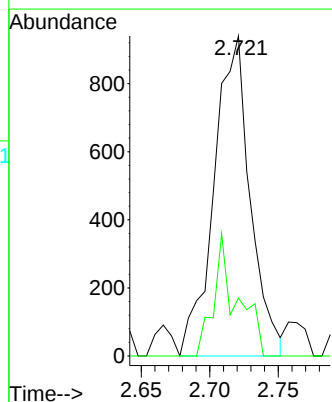
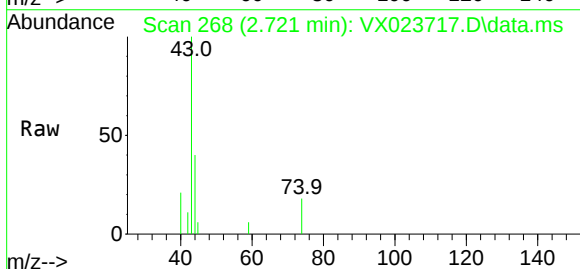
Instrument :
MSVOA_X
ClientSampled :

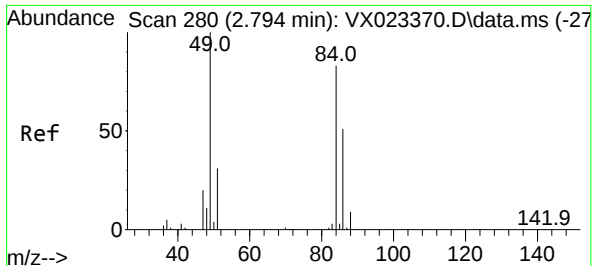
Tgt Ion: 43 Resp: 44027
Ion Ratio Lower Upper
43 100
58 33.8 27.8 41.8



#18
Methyl Acetate
Concen: 0.802 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.012 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

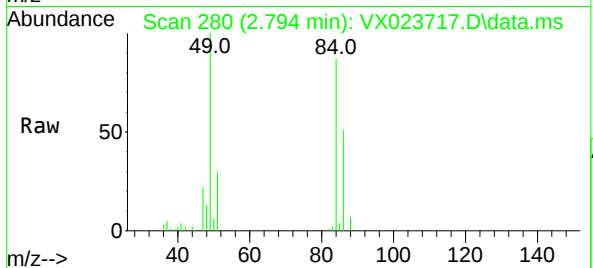
Tgt Ion: 43 Resp: 1730
Ion Ratio Lower Upper
43 100
74 24.7 21.9 32.9



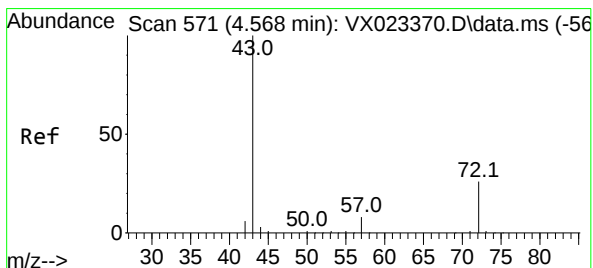
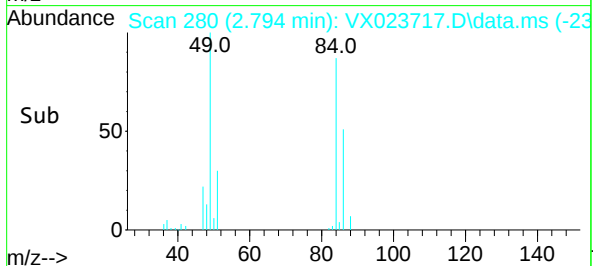
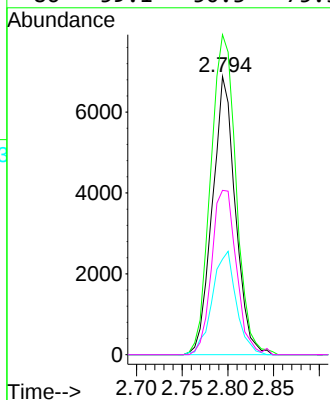


#20
Methylene Chloride
Concen: 6.836 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

Instrument :
MSVOA_X
ClientSampleId :

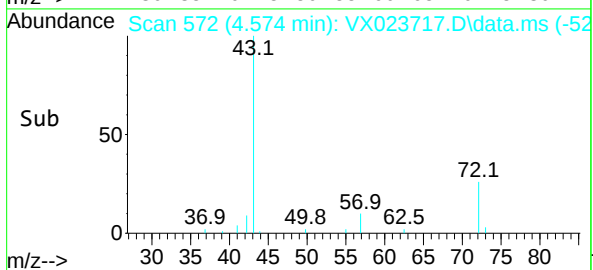
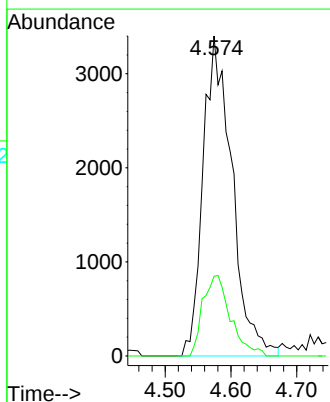
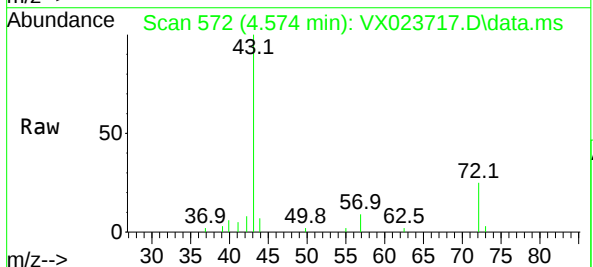


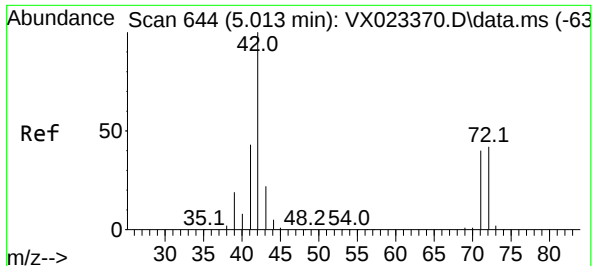
Tgt Ion:	84	Resp:	12060
Ion	Ratio	Lower	Upper
84	100		
49	115.0	88.6	132.8
51	34.3	27.0	40.6
86	59.1	50.3	75.5



#25
2-Butanone
Concen: 7.396 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

Tgt Ion:	43	Resp:	10414
Ion	Ratio	Lower	Upper
43	100		
72	24.9	23.7	35.5





#29

Tetrahydrofuran

Concen: 1.687 ug/l

RT: 5.044 min Scan# 649

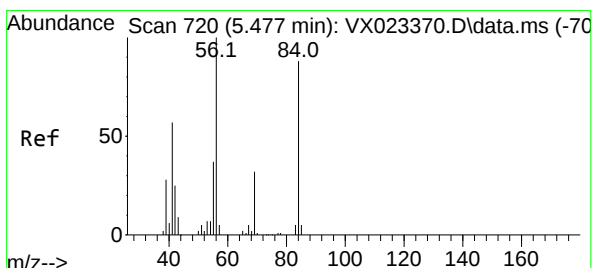
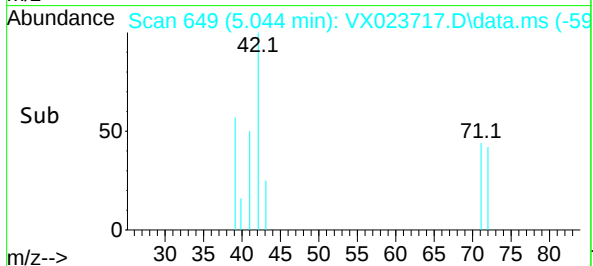
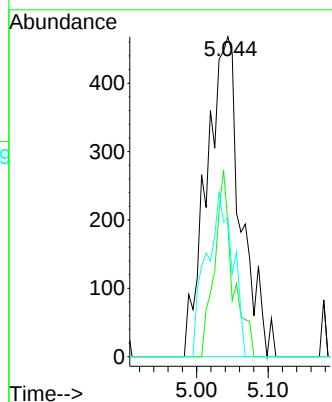
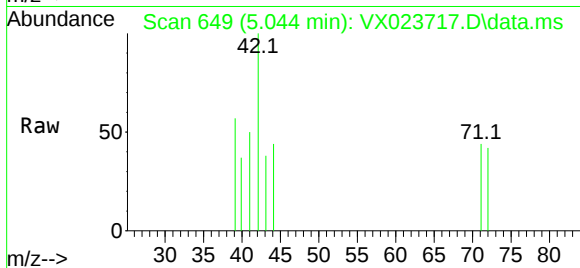
Delta R.T. 0.031 min

Lab File: VX023717.D

Acq: 14 Aug 2021 02:50

Tgt Ion:	42	Resp:	1557
Ion	Ratio	Lower	Upper
42	100		
72	31.1	41.7	62.5#
71	39.5	38.4	57.6

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.341 ug/l

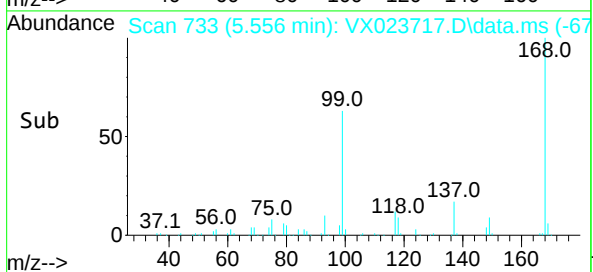
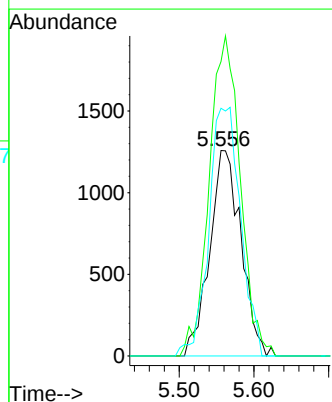
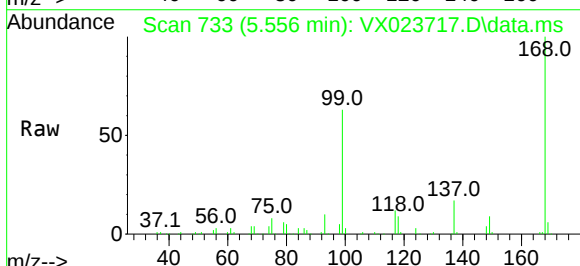
RT: 5.556 min Scan# 733

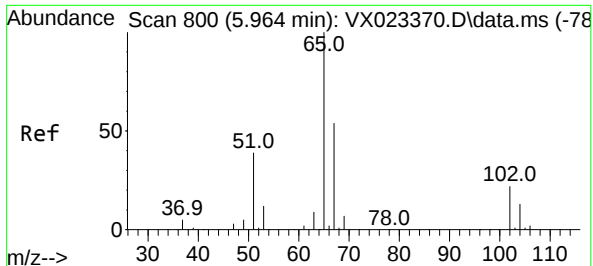
Delta R.T. 0.079 min

Lab File: VX023717.D

Acq: 14 Aug 2021 02:50

Tgt Ion:	56	Resp:	3674
Ion	Ratio	Lower	Upper
56	100		
69	143.3	25.3	37.9#
84	120.6	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 56.864 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023717.D

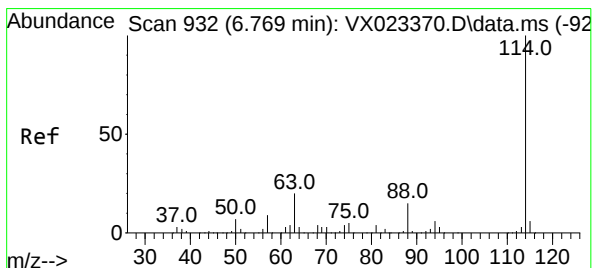
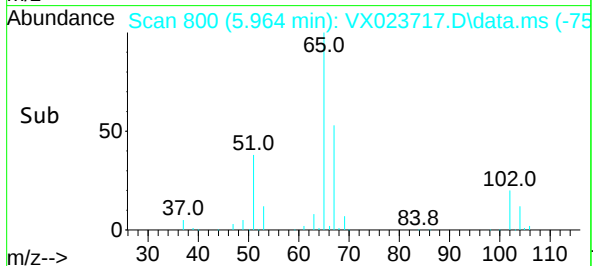
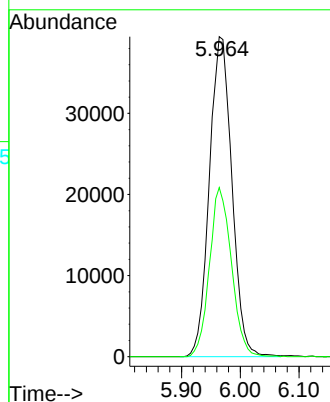
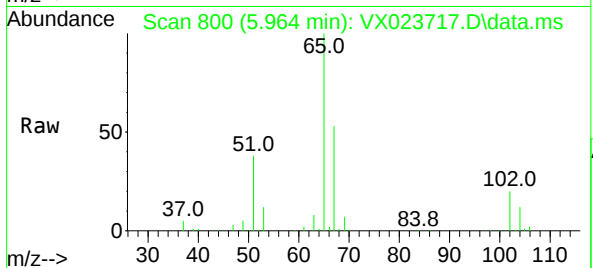
Acq: 14 Aug 2021 02:50

Tgt Ion: 65 Resp: 105132

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: VX023717.D

Acq: 14 Aug 2021 02:50

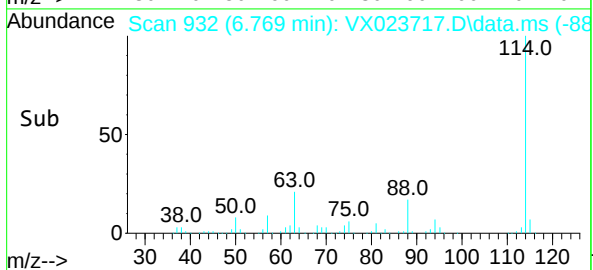
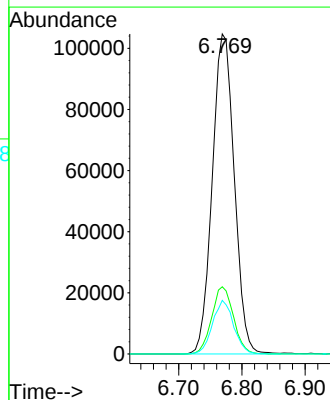
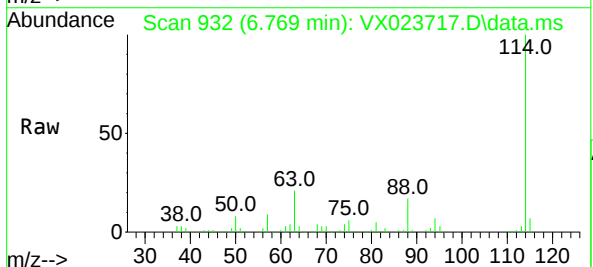
Tgt Ion: 114 Resp: 252864

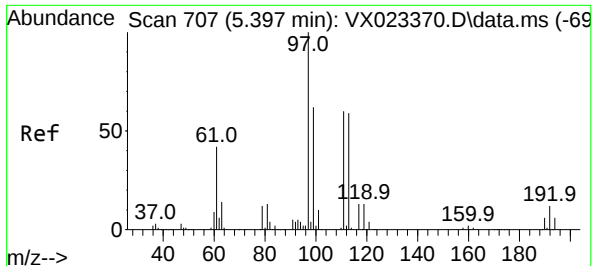
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 16.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.524 ug/l

RT: 5.397 min Scan# 707

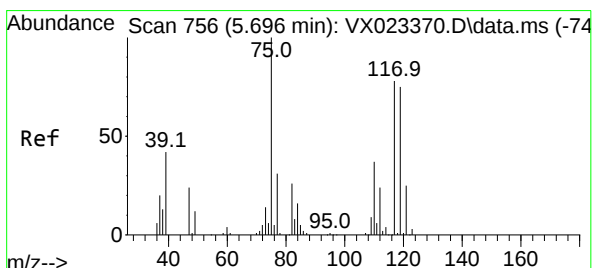
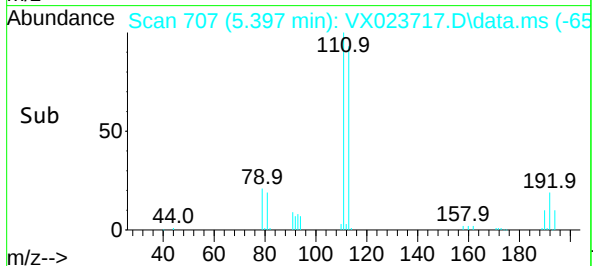
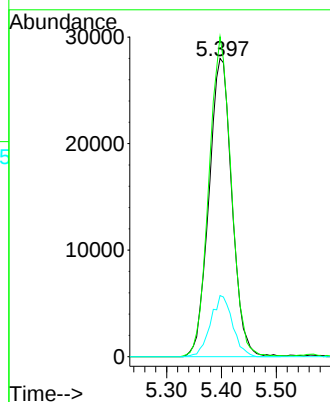
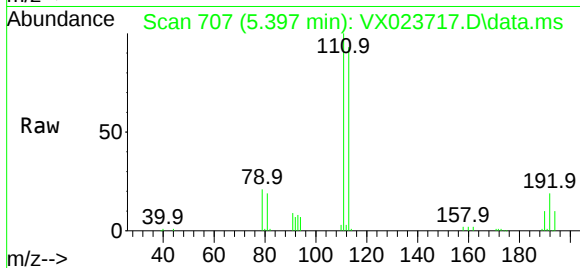
Delta R.T. 0.000 min

Lab File: VX023717.D

Acq: 14 Aug 2021 02:50

Tgt Ion:	113	Resp:	81460
Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.9	122.9
192	19.7	16.7	25.1

Instrument :
MSVOA_X
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 5.325 ug/l

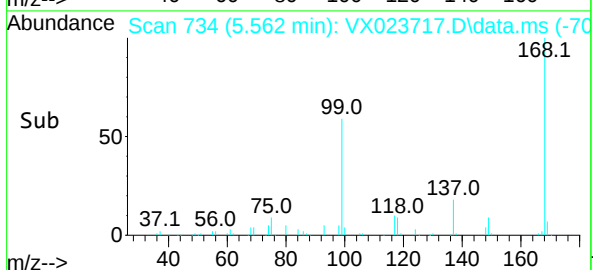
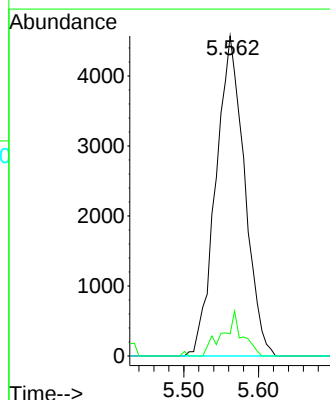
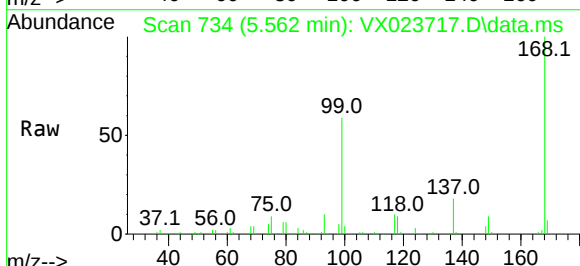
RT: 5.562 min Scan# 734

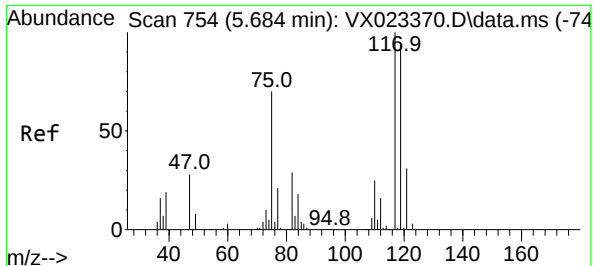
Delta R.T. -0.134 min

Lab File: VX023717.D

Acq: 14 Aug 2021 02:50

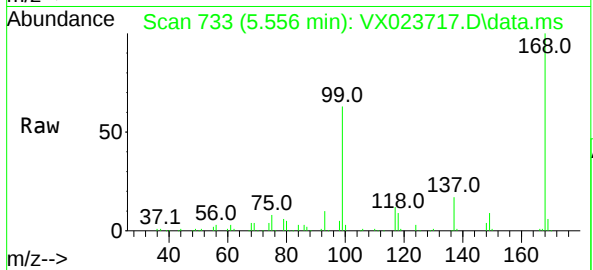
Tgt Ion:	75	Resp:	12181
Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.1	54.4#
77	0.0	25.3	37.9#



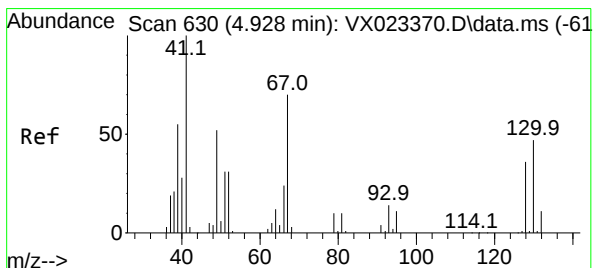
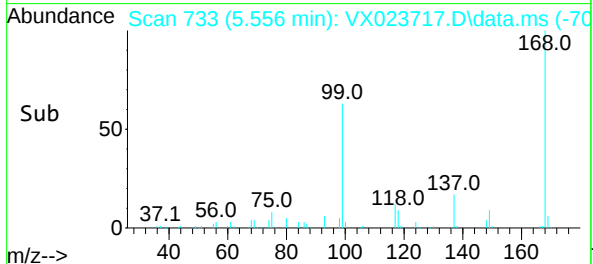
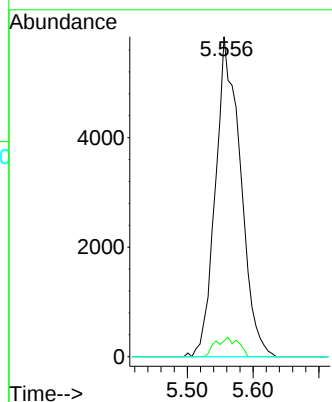


#38
Carbon Tetrachloride
Concen: 6.660 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

Instrument :
MSVOA_X
ClientSampled :

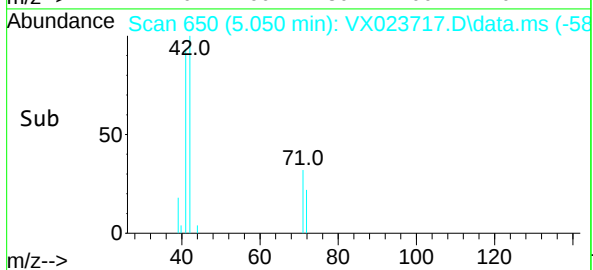
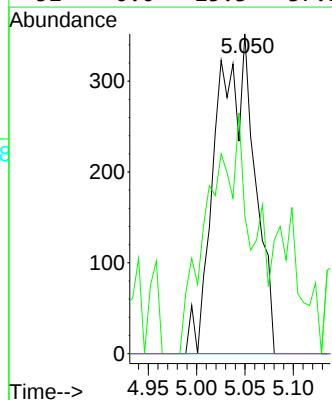
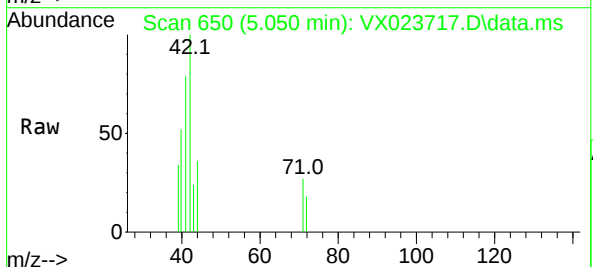


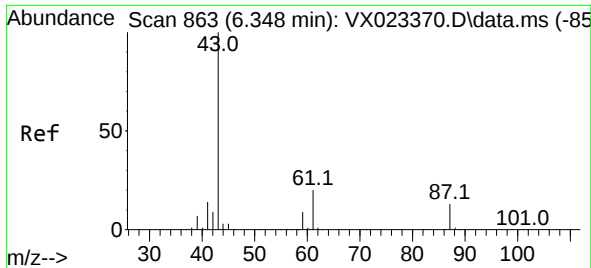
Tgt Ion:117 Resp: 15492
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.644 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.122 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

Tgt Ion: 41 Resp: 981
Ion Ratio Lower Upper
41 100
39 0.0 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

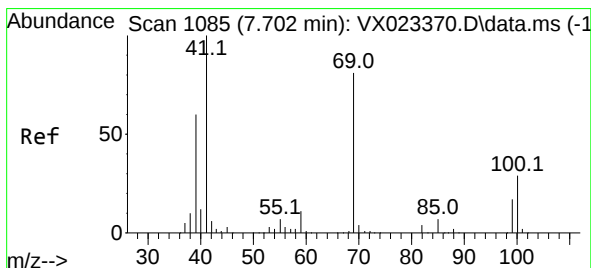
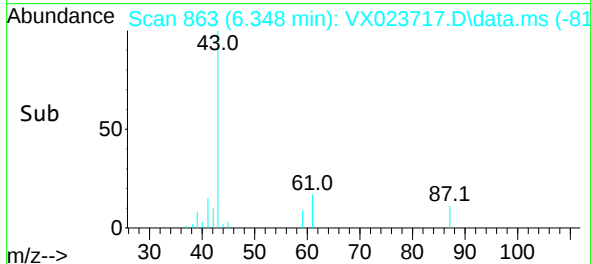
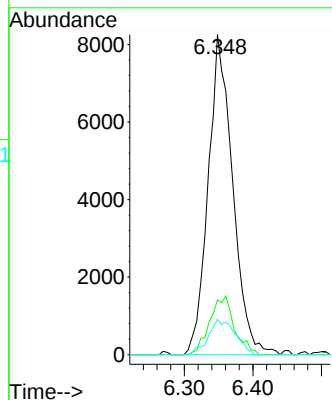
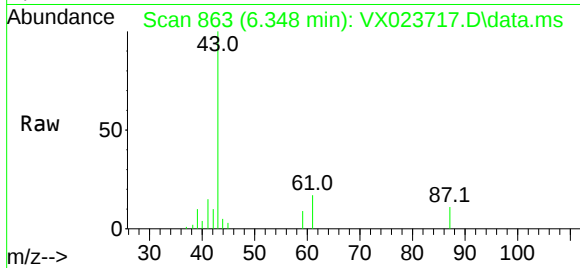




#43
Isopropyl Acetate
Concen: 4.591 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

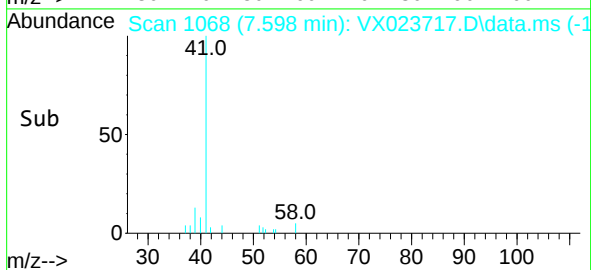
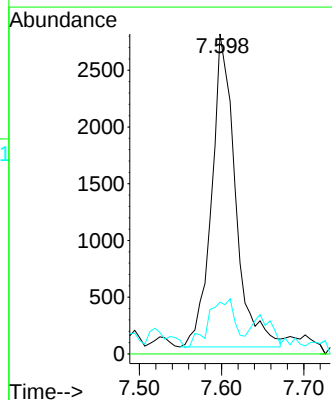
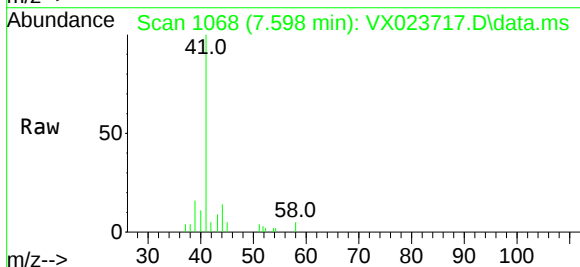
Instrument :
MSVOA_X
ClientSampled :

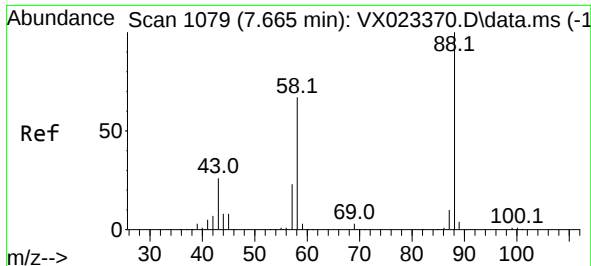
Tgt Ion:	43	Resp:	20517
Ion	Ratio	Lower	Upper
43	100		
61	18.4	18.2	27.4
87	12.2	12.5	18.7#



#48
Methyl methacrylate
Concen: 2.679 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.104 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

Tgt Ion:	41	Resp:	5544
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: 2.382 ug/l

RT: 7.811 min Scan# 1103

Delta R.T. 0.146 min

Lab File: VX023717.D

Acq: 14 Aug 2021 02:50

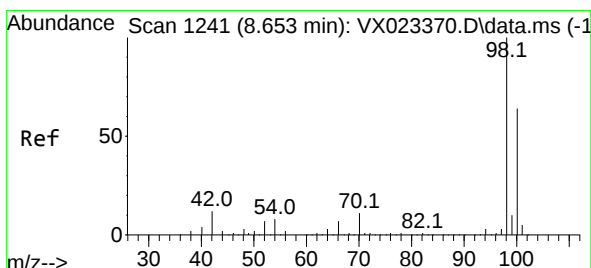
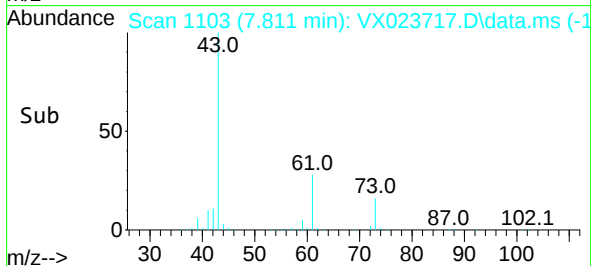
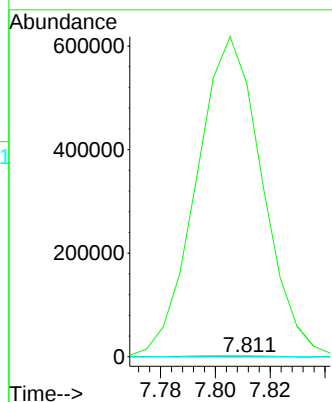
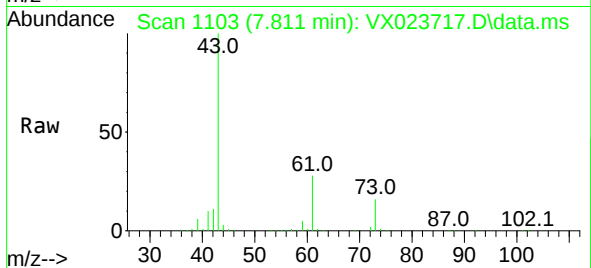
Tgt Ion: 88 Resp: 105

Ion Ratio Lower Upper

88 100

43 989889.5 23.2 34.8#

58 4495.2 55.0 82.4#



#50

Toluene-d8

Concen: 54.928 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023717.D

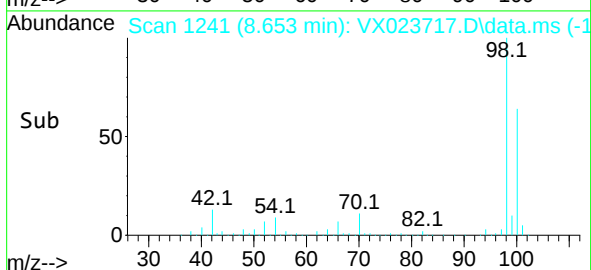
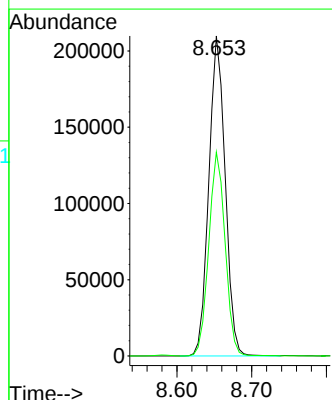
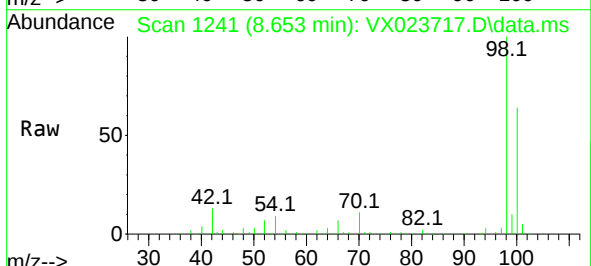
Acq: 14 Aug 2021 02:50

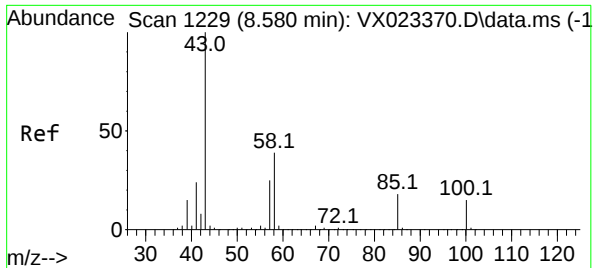
Tgt Ion: 98 Resp: 319063

Ion Ratio Lower Upper

98 100

100 63.6 51.9 77.9

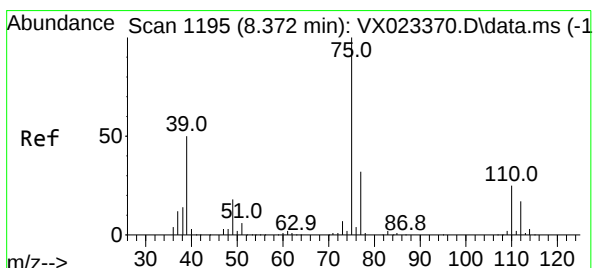
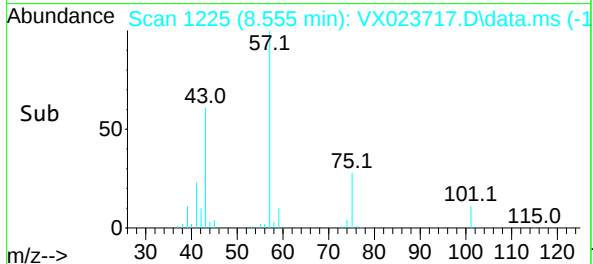
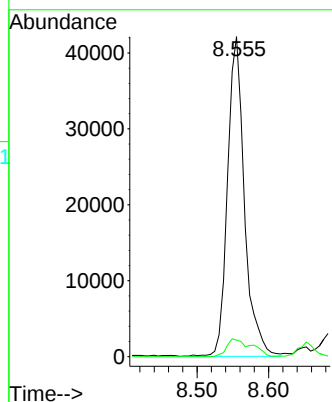
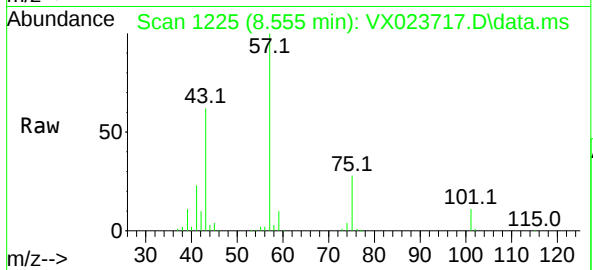




#51
4-Methyl-2-Pentanone
Concen: 25.261 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

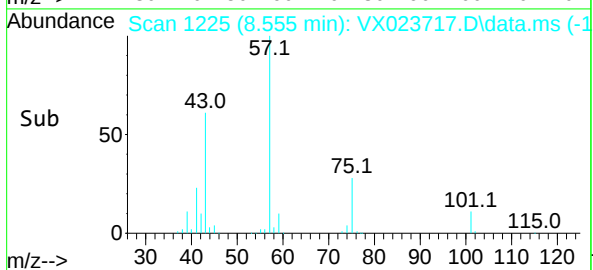
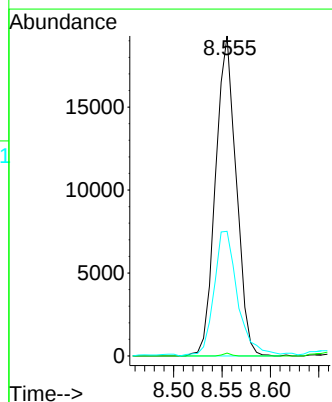
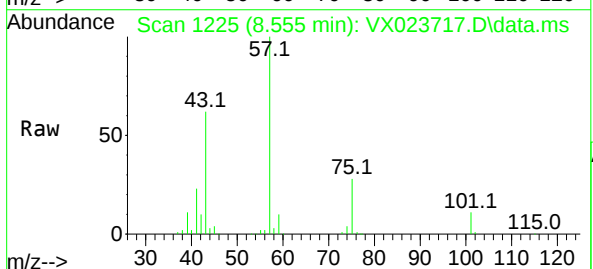
Instrument :
MSVOA_X
ClientSampleId :

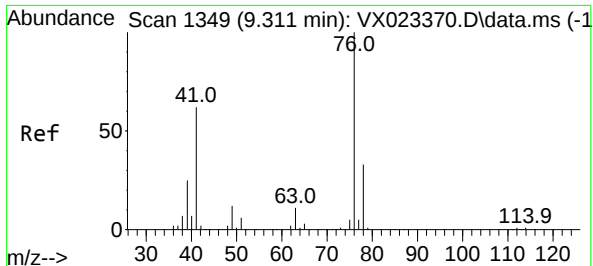
Tgt Ion: 43 Resp: 69050
Ion Ratio Lower Upper
43 100
58 8.3 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 10.465 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

Tgt Ion: 75 Resp: 28612
Ion Ratio Lower Upper
75 100
77 0.9 25.7 38.5#
39 39.0 35.1 52.7

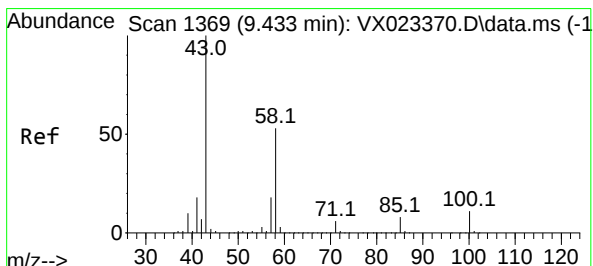
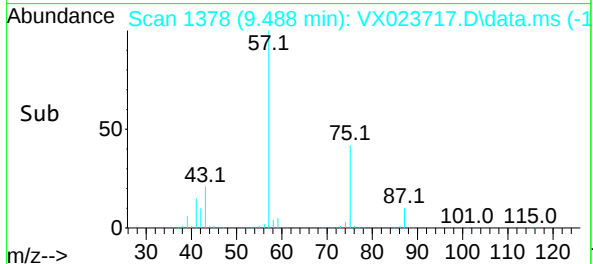
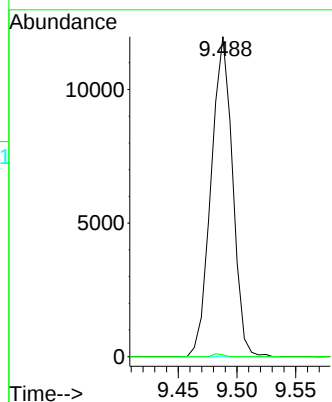
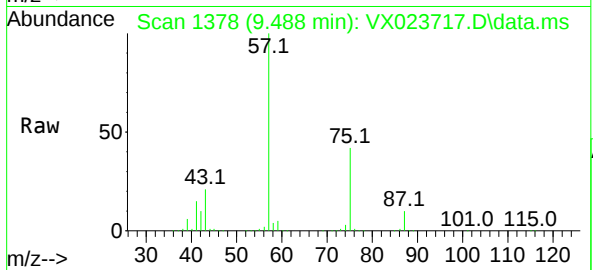




#57
1,3-Dichloropropane
Concen: 5.279 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

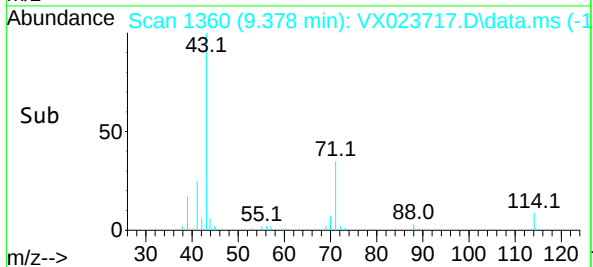
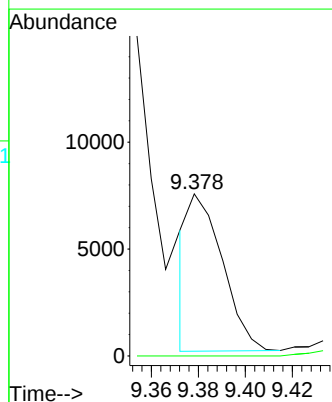
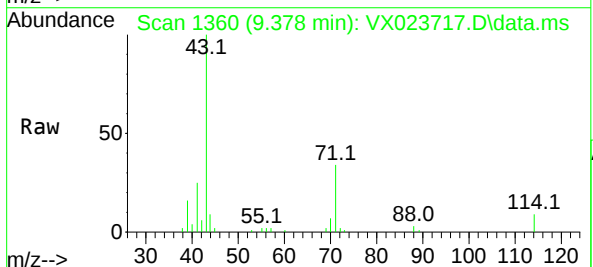
Instrument :
MSVOA_X
ClientSampled :

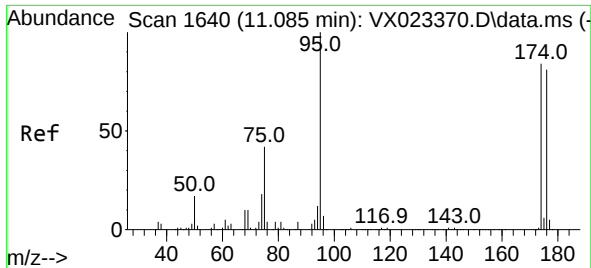
Tgt Ion: 76 Resp: 15263
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#



#59
2-Hexanone
Concen: 3.569 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

Tgt Ion: 43 Resp: 7408
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

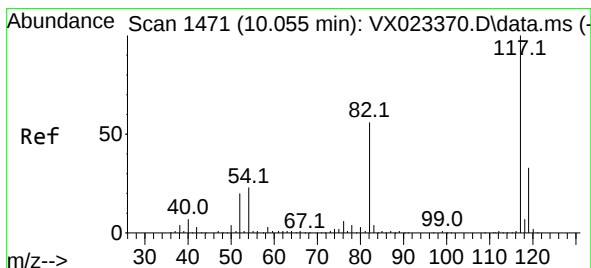
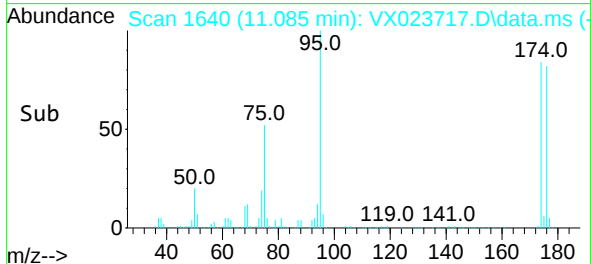
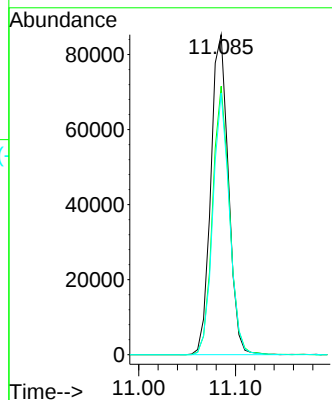
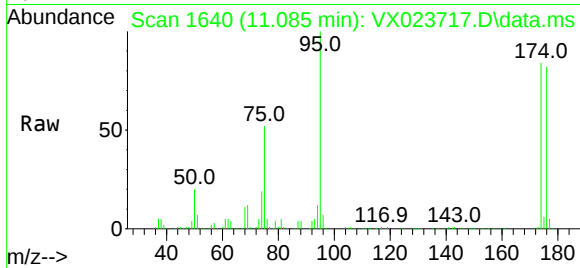




#62
4-Bromofluorobenzene
Concen: 54.677 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

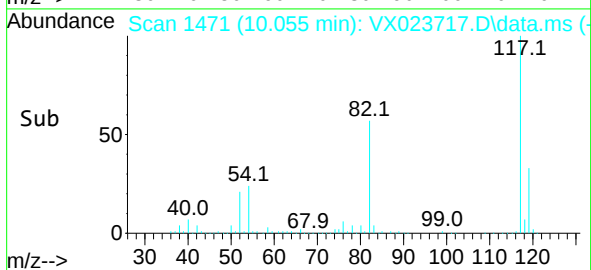
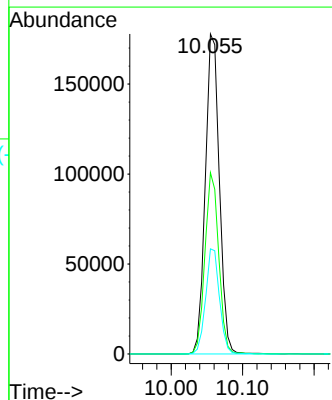
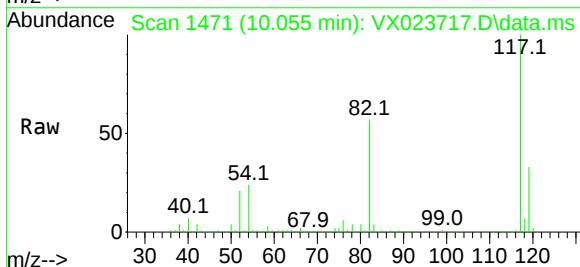
Instrument :
MSVOA_X
ClientSampleId :

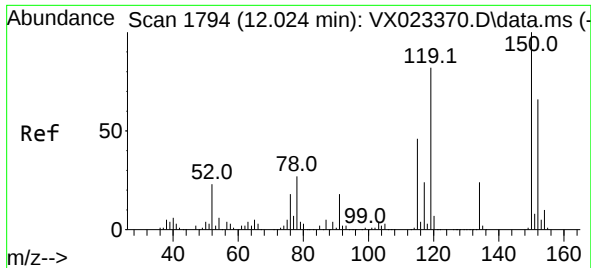
Tgt Ion: 95 Resp: 107997
Ion Ratio Lower Upper
95 100
174 80.4 0.0 154.6
176 77.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

Tgt Ion: 117 Resp: 242843
Ion Ratio Lower Upper
117 100
82 56.6 47.4 71.2
119 32.9 26.6 39.8

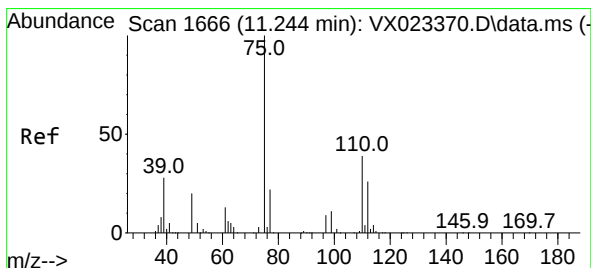
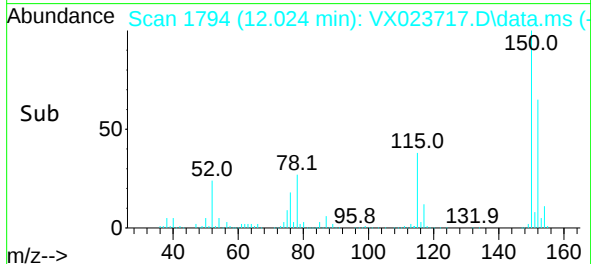
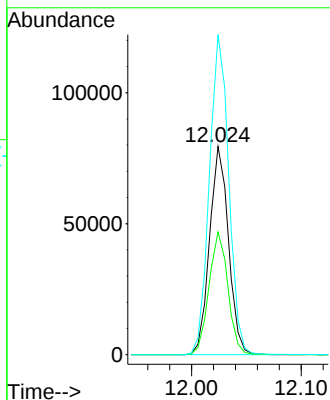
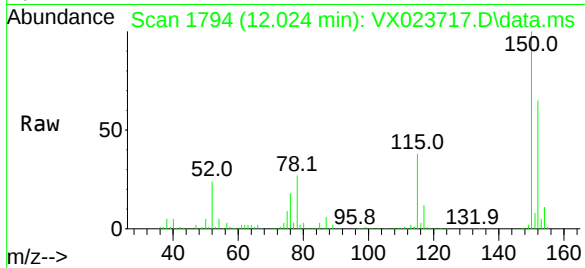




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

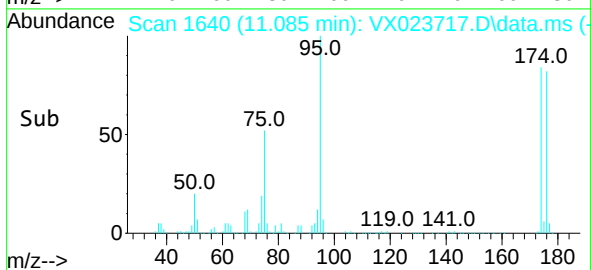
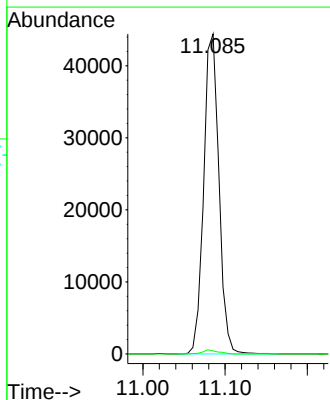
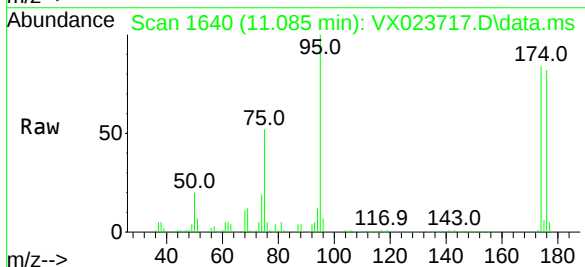
Instrument :
MSVOA_X
ClientSampled :

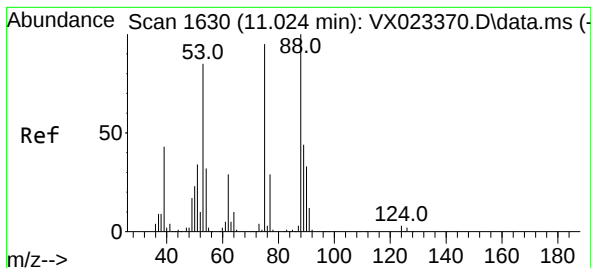
Tgt Ion:152 Resp: 95454
Ion Ratio Lower Upper
152 100
115 58.9 41.1 123.3
150 157.2 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 27.173 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

Tgt Ion: 75 Resp: 57078
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#

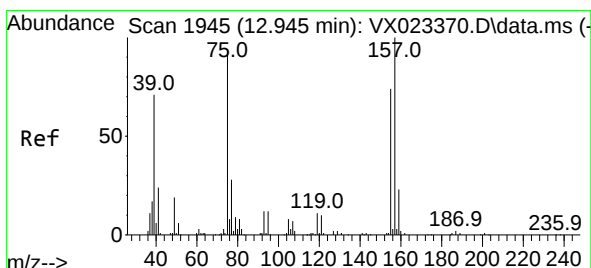
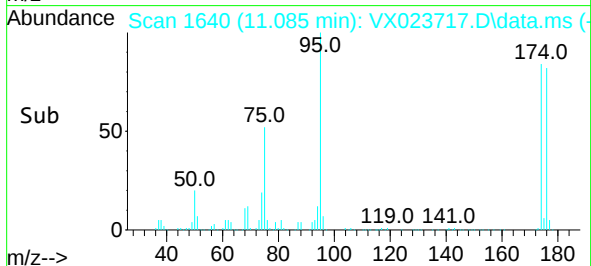
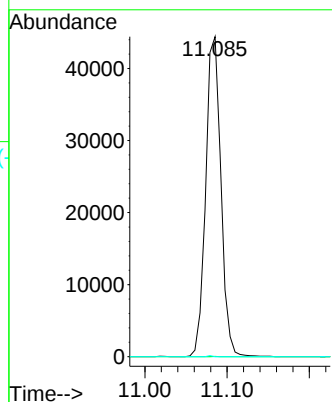
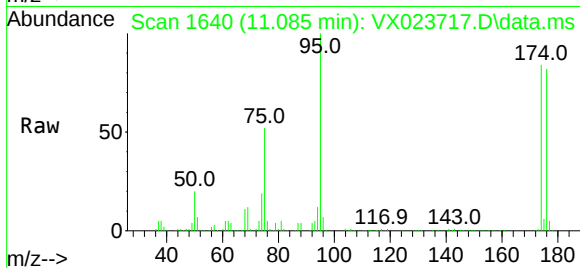




#81
trans-1,4-Dichloro-2-butene
Concen: 73.065 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 57078
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.153 ug/l
RT: 12.969 min Scan# 1949
Delta R.T. 0.024 min
Lab File: VX023717.D
Acq: 14 Aug 2021 02:50

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#

