

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023683.D
 Acq On : 13 Aug 2021 12:18
 Operator : JC/MD
 Sample : PB138358TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:23:33 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)

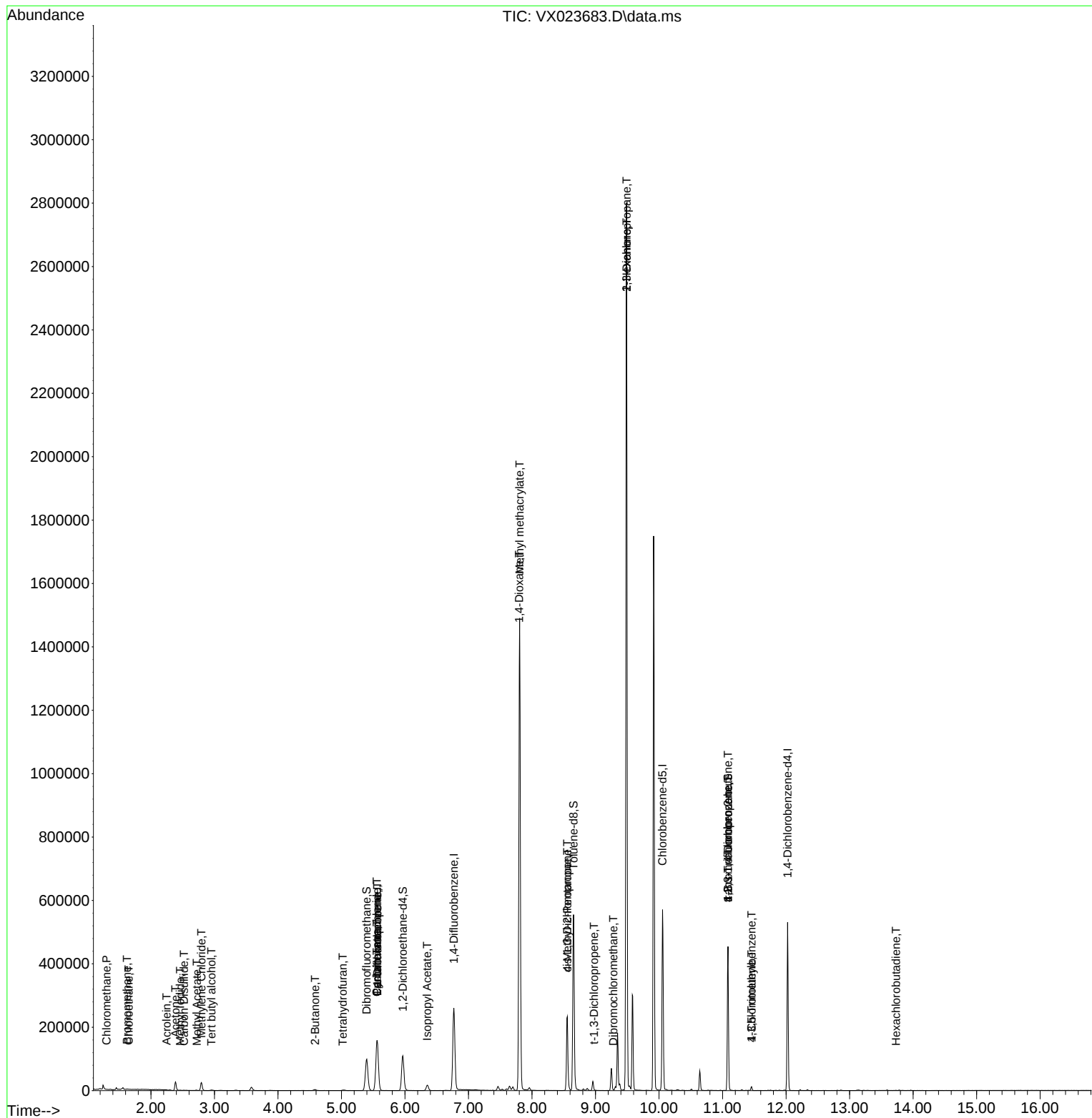
Internal Standards						
1) Pentafluorobenzene	5.562	168	150945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	258490	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	242638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	106922	56.786	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.580%	
35) Dibromofluoromethane	5.397	113	84496	52.281	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.560%	
50) Toluene-d8	8.653	98	320094	53.907	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 107.820%	
62) 4-Bromofluorobenzene	11.085	95	110924	54.936	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.880%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	400	0.247	ug/l #	42
5) Bromomethane	1.624	94	565	0.581	ug/l	88
6) Chloroethane	1.648	64	316	0.314	ug/l #	65
10) Methyl Iodide	2.459	142	1134	0.606	ug/l #	86
11) Tert butyl alcohol	2.953	59	1610	3.743	ug/l #	77
13) Acrolein	2.246	56	122	1.919	ug/l #	1
16) Acetone	2.386	43	27784	30.081	ug/l	91
17) Carbon Disulfide	2.520	76	873	0.239	ug/l #	75
18) Methyl Acetate	2.721	43	1629	0.742	ug/l #	85
20) Methylene Chloride	2.794	84	11400	6.345	ug/l	87
25) 2-Butanone	4.587	43	4590	3.201	ug/l #	87
29) Tetrahydrofuran	5.019	42	1869	1.988	ug/l #	64
31) Cyclohexane	5.556	56	3511	1.259	ug/l #	33
36) 1,1-Dichloropropene	5.562	75	11717	5.011	ug/l #	51
38) Carbon Tetrachloride	5.556	117	15401	6.476	ug/l #	17
43) Isopropyl Acetate	6.348	43	23230	5.085	ug/l	93
48) Methyl methacrylate	7.805	41	130294	61.581	ug/l #	38
49) 1,4-Dioxane	7.799	88	228	5.061	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	84973	30.409	ug/l #	45
53) t-1,3-Dichloropropene	8.976	75	217	1.890	ug/l #	85
54) cis-1,3-Dichloropropene	8.555	75	35804	12.811	ug/l #	70
57) 1,3-Dichloropropane	9.488	76	23027	7.791	ug/l #	43
59) 2-Hexanone	9.488	43	334017	157.412	ug/l #	43
60) Dibromochloromethane	9.281	129	129	2.047	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	59588	27.203	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	4944	0.808	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.085	75	59588	73.145	ug/l #	12
82) 4-Chlorotoluene	11.457	91	1343	0.234	ug/l #	63
94) Hexachlorobutadiene	13.731	225	226	0.247	ug/l #	60

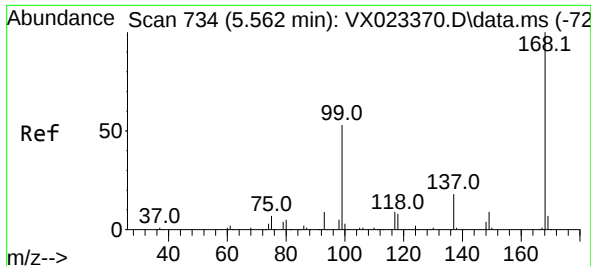
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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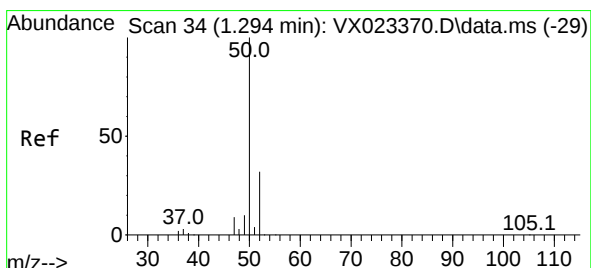
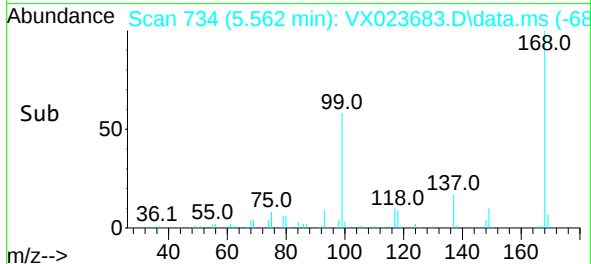
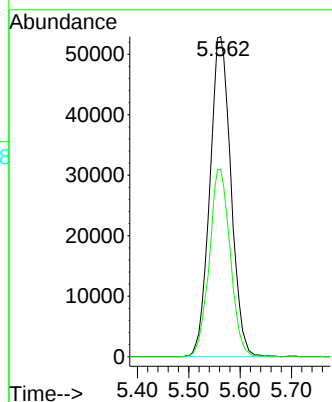
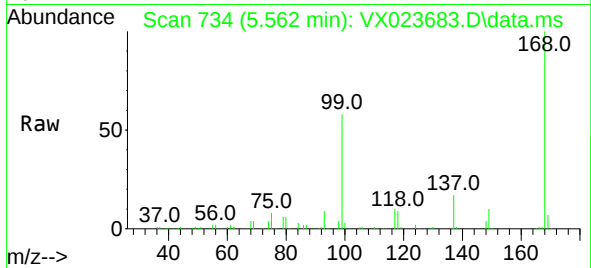




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

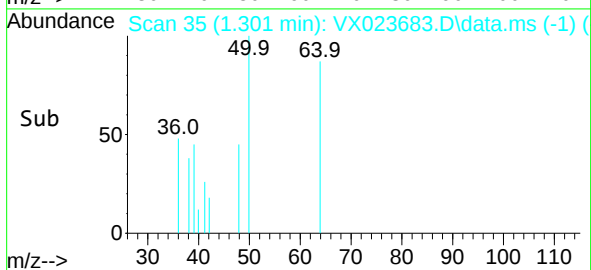
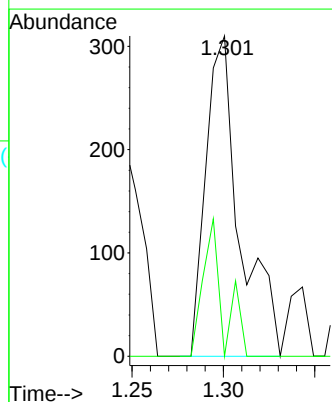
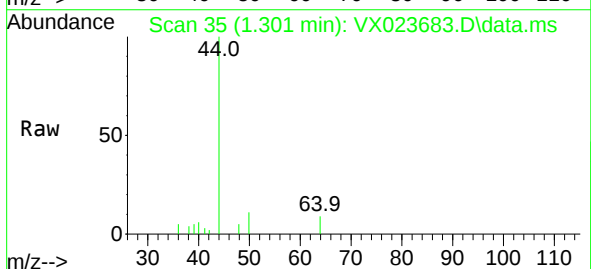
Instrument :
MSVOA_X
ClientSampled :

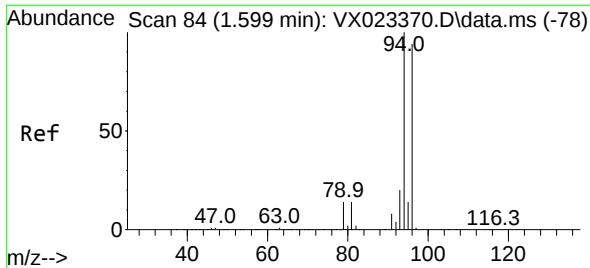
Tgt Ion:168 Resp: 150945
Ion Ratio Lower Upper
168 100
99 58.5 45.8 68.6



#3
Chloromethane
Concen: 0.247 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

Tgt Ion: 50 Resp: 400
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

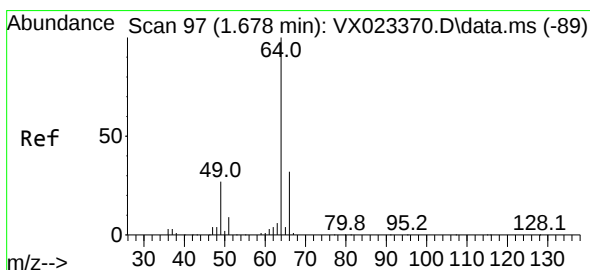
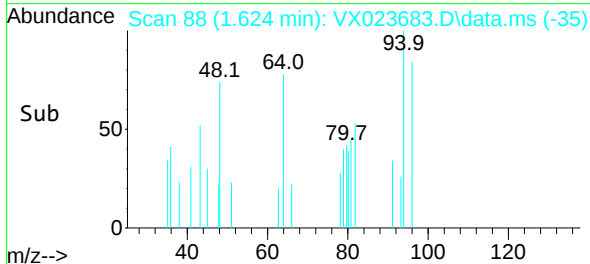
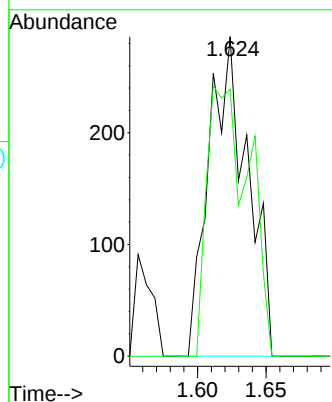
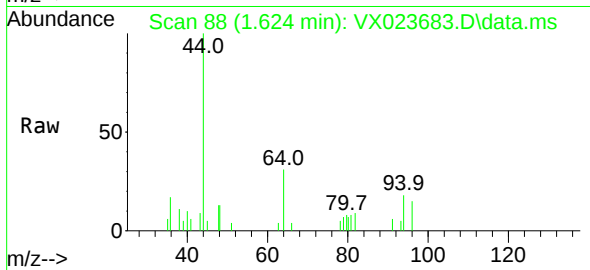




#5
Bromomethane
Concen: 0.581 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

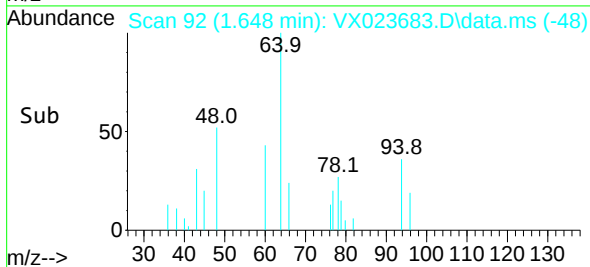
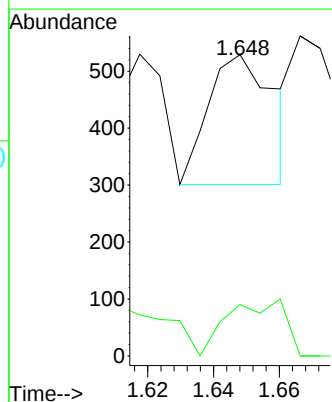
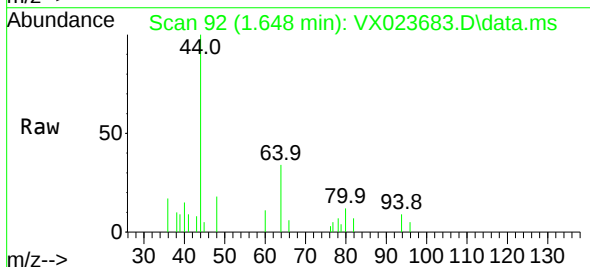
Instrument :
MSVOA_X
ClientSampled :

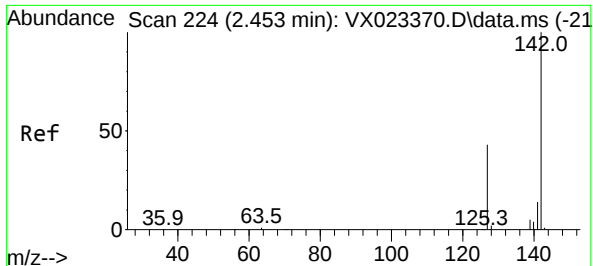
Tgt Ion: 94 Resp: 565
Ion Ratio Lower Upper
94 100
96 83.6 76.4 114.6



#6
Chloroethane
Concen: 0.314 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.030 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

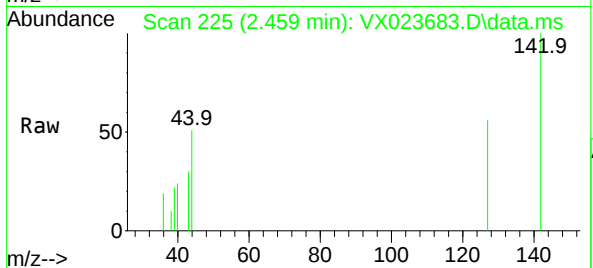
Tgt Ion: 64 Resp: 316
Ion Ratio Lower Upper
64 100
66 12.3 25.4 38.0#



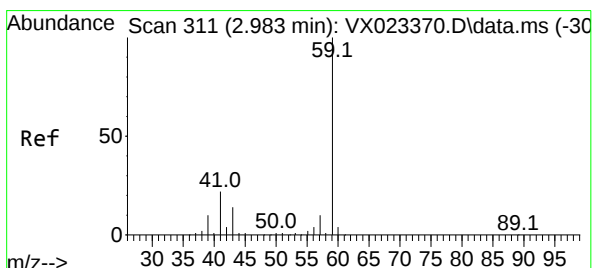
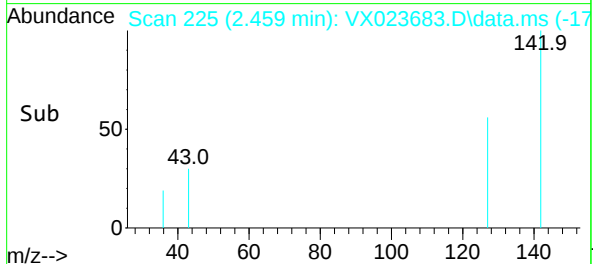
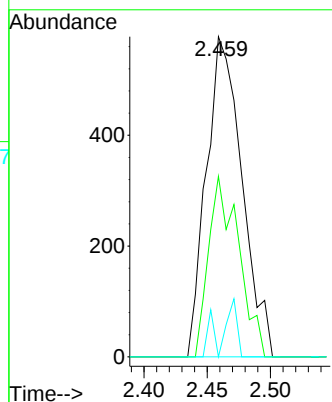


#10
Methyl Iodide
Concen: 0.606 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

Instrument :
MSVOA_X
ClientSampleId :

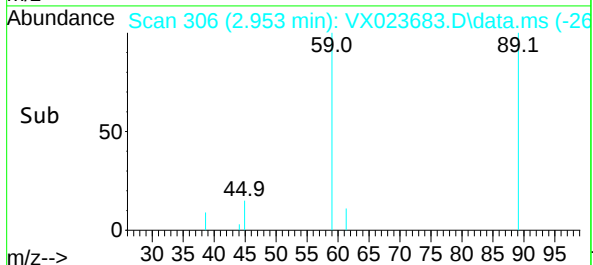
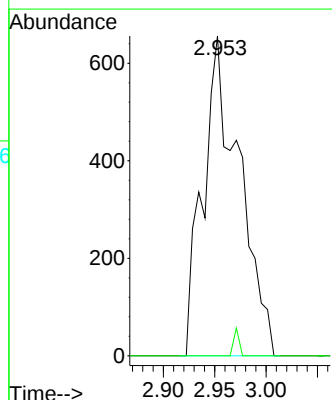
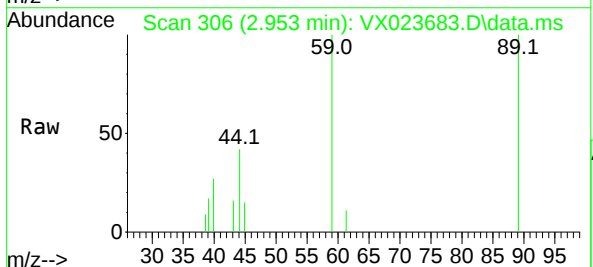


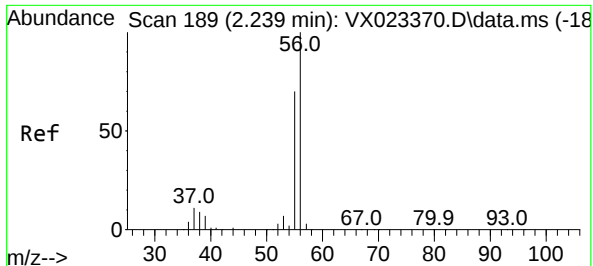
Tgt Ion:142 Resp: 1134
Ion Ratio Lower Upper
142 100
127 47.6 33.3 49.9
141 2.7 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.743 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

Tgt Ion: 59 Resp: 1610
Ion Ratio Lower Upper
59 100
57 1.3 7.8 11.8#

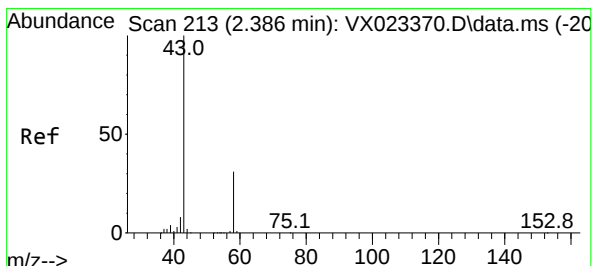
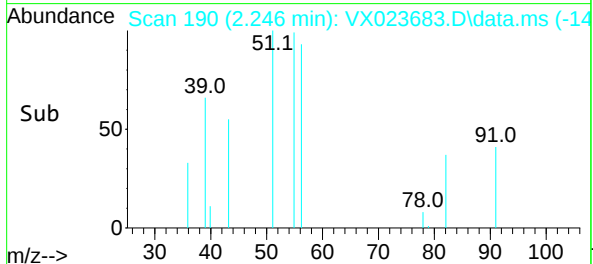
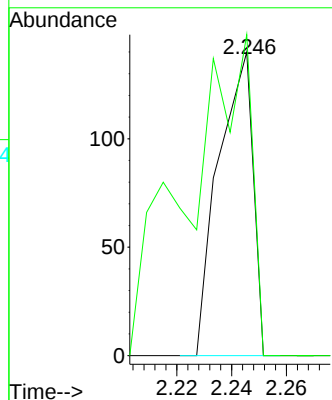
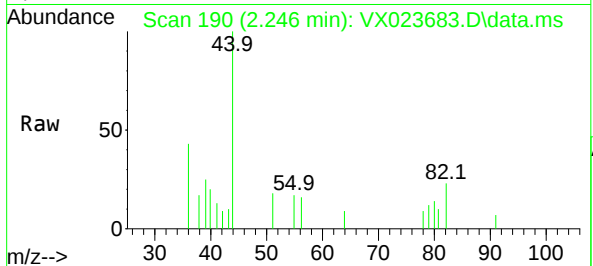




#13
Acrolein
Concen: 1.919 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.007 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

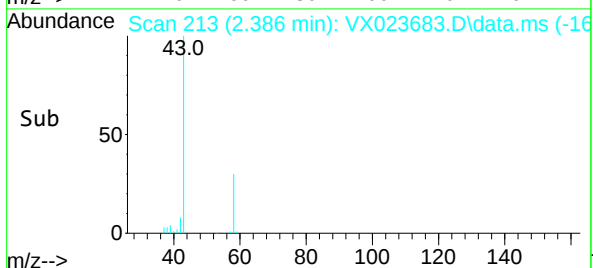
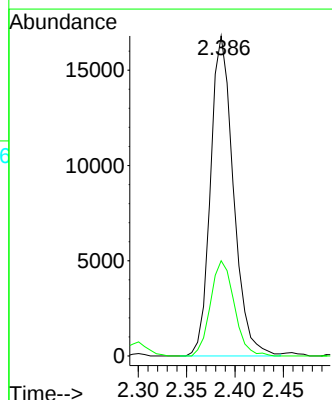
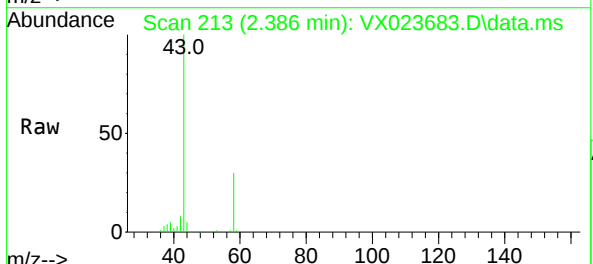
Instrument :
MSVOA_X
ClientSampled :

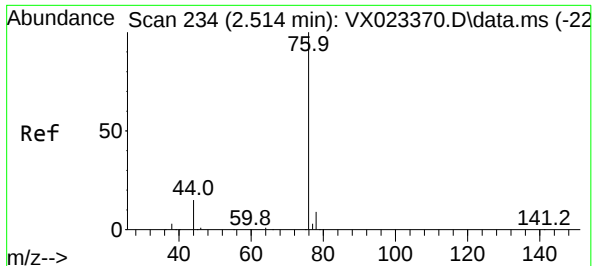
Tgt Ion: 56 Resp: 122
Ion Ratio Lower Upper
56 100
55 197.5 56.4 84.6#



#16
Acetone
Concen: 30.081 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

Tgt Ion: 43 Resp: 27784
Ion Ratio Lower Upper
43 100
58 29.8 27.8 41.8

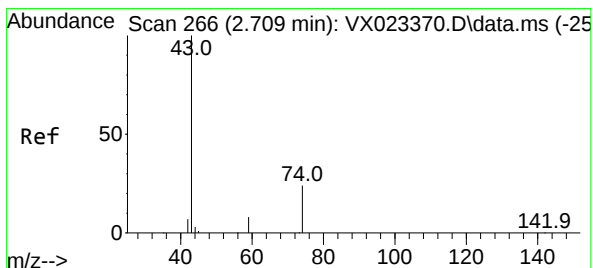
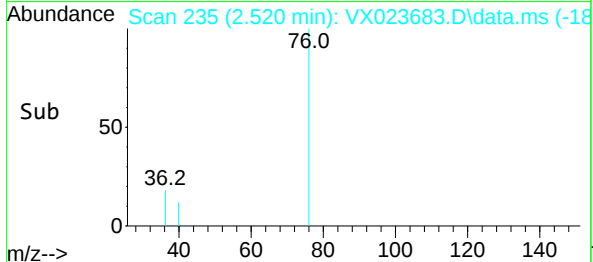
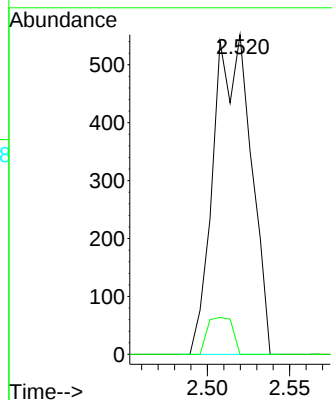
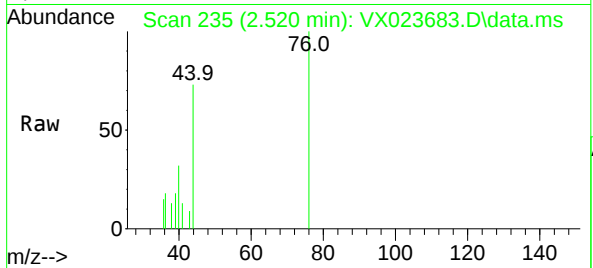




#17
Carbon Disulfide
Concen: 0.239 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

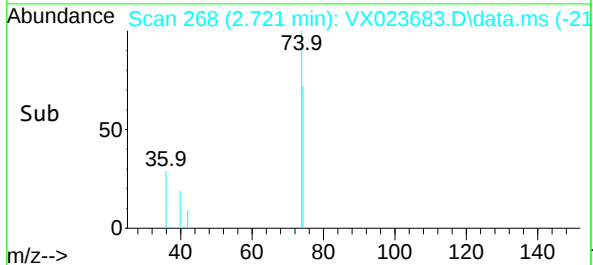
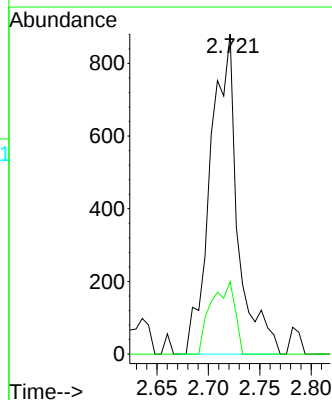
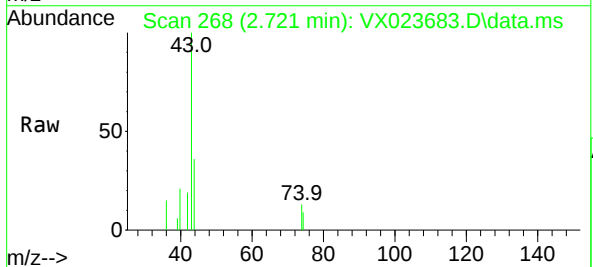
Instrument :
MSVOA_X
ClientSampled :

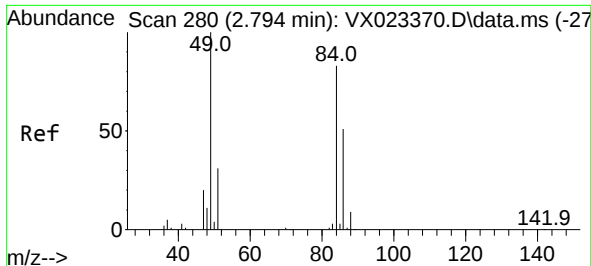
Tgt Ion: 76 Resp: 873
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.742 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.012 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

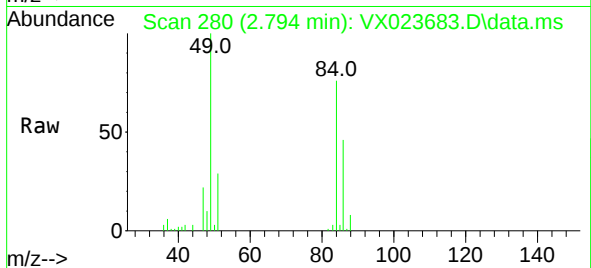
Tgt Ion: 43 Resp: 1629
Ion Ratio Lower Upper
43 100
74 19.7 21.9 32.9#



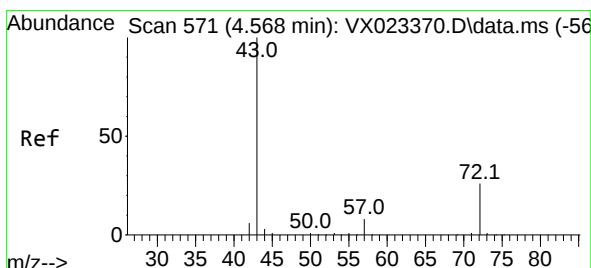
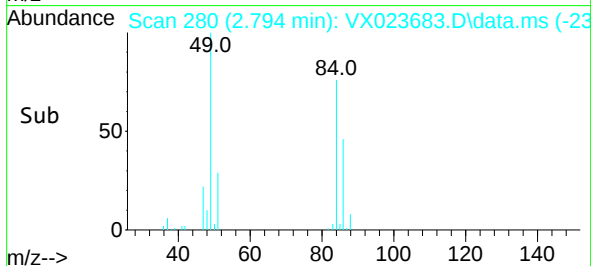
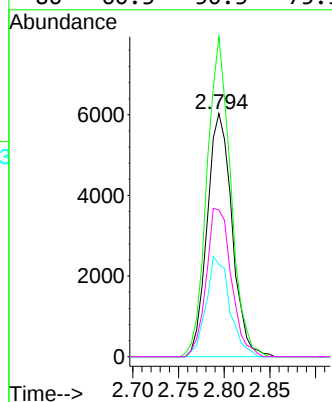


#20
Methylene Chloride
Concen: 6.345 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

Instrument :
MSVOA_X
ClientSampled :

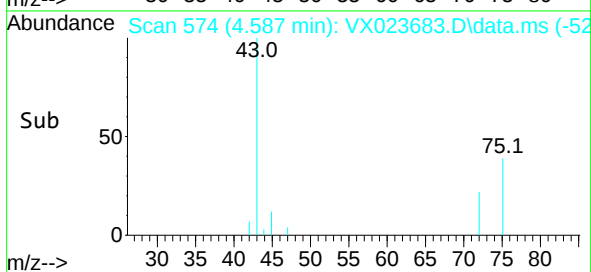
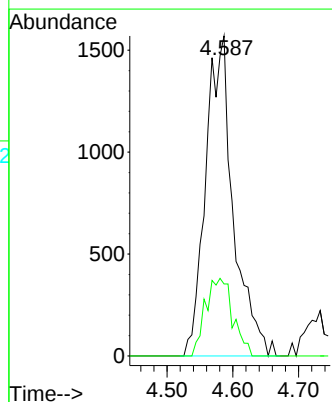
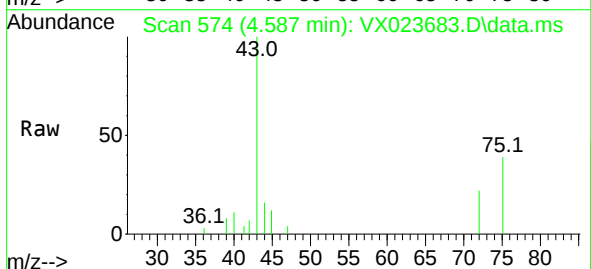


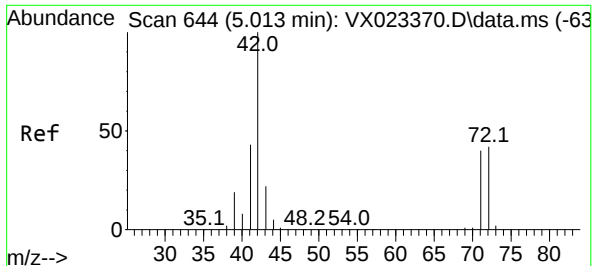
Tgt Ion:	84	Resp:	11400
Ion	Ratio	Lower	Upper
84	100		
49	131.5	88.6	132.8
51	37.9	27.0	40.6
86	60.3	50.3	75.5



#25
2-Butanone
Concen: 3.201 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

Tgt Ion:	43	Resp:	4590
Ion	Ratio	Lower	Upper
43	100		
72	22.5	23.7	35.5#





#29

Tetrahydrofuran

Concen: 1.988 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.006 min

Lab File: VX023683.D

Acq: 13 Aug 2021 12:18

Tgt Ion: 42 Resp: 1869

Ion Ratio Lower Upper

42 100

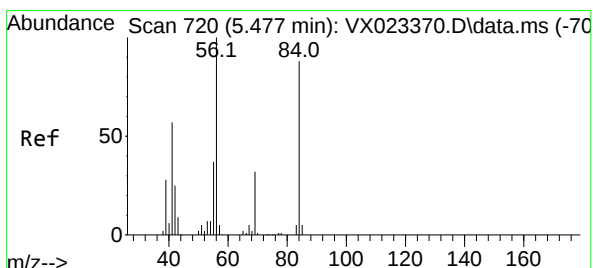
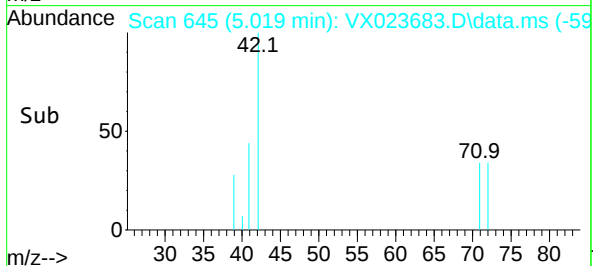
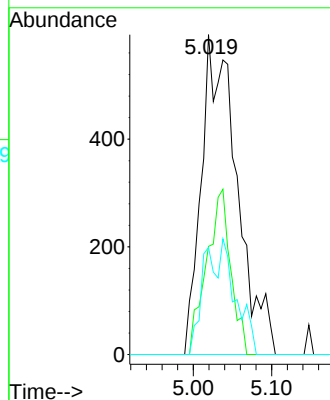
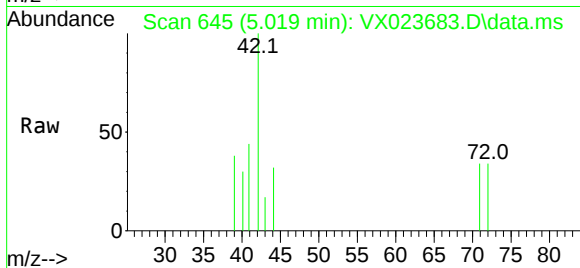
72 34.9 41.7 62.5#

71 15.6 38.4 57.6#

Instrument :

MSVOA_X

ClientSampleId :



#31

Cyclohexane

Concen: 1.259 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX023683.D

Acq: 13 Aug 2021 12:18

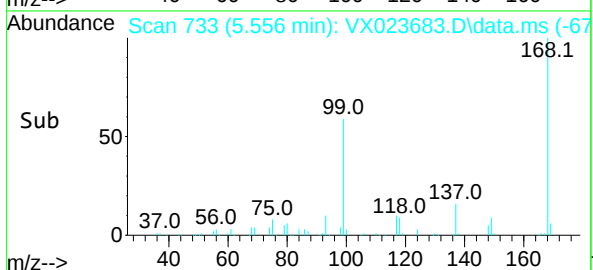
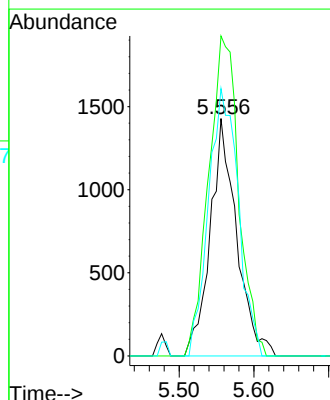
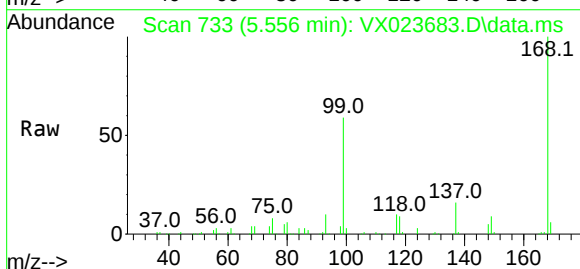
Tgt Ion: 56 Resp: 3511

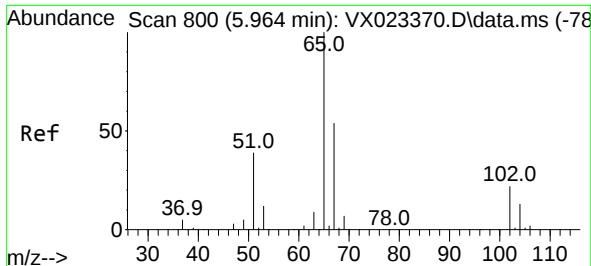
Ion Ratio Lower Upper

56 100

69 134.8 25.3 37.9#

84 112.6 71.4 107.0#

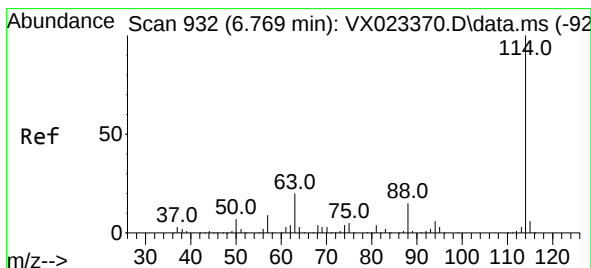
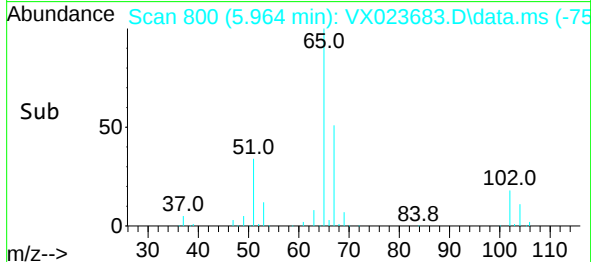
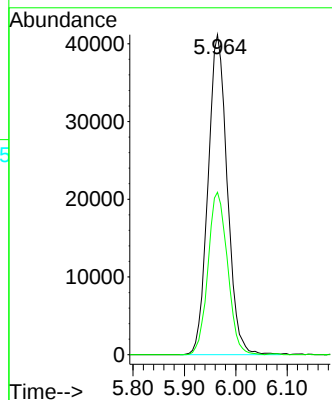
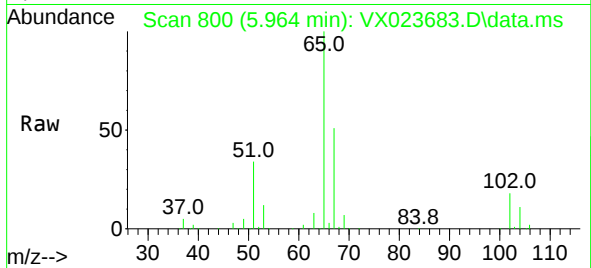




#33
 1,2-Dichloroethane-d4
 Concen: 56.786 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023683.D
 Acq: 13 Aug 2021 12:18

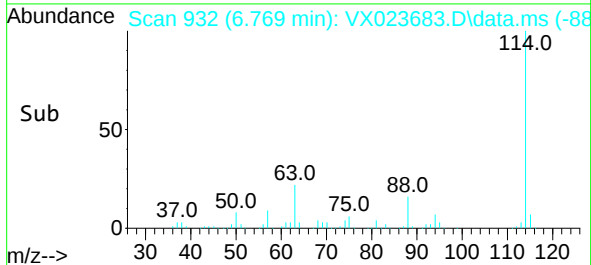
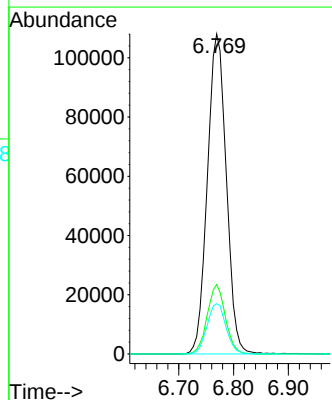
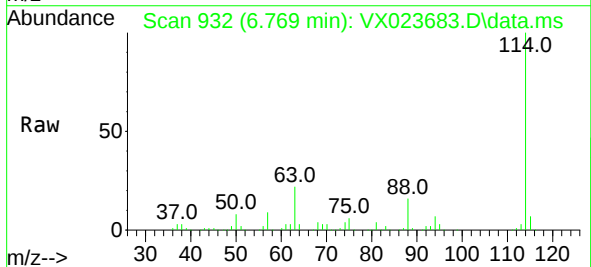
Instrument :
 MSVOA_X
 ClientSampled :

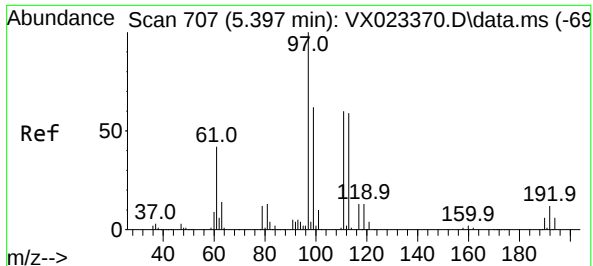
Tgt Ion: 65 Resp: 106922
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023683.D
 Acq: 13 Aug 2021 12:18

Tgt Ion: 114 Resp: 258490
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 40.8
 88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.281 ug/l

RT: 5.397 min Scan# 707

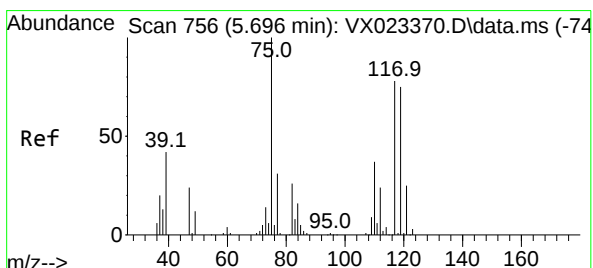
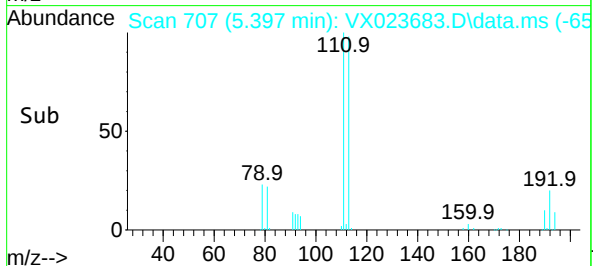
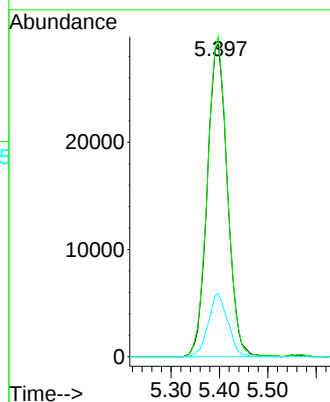
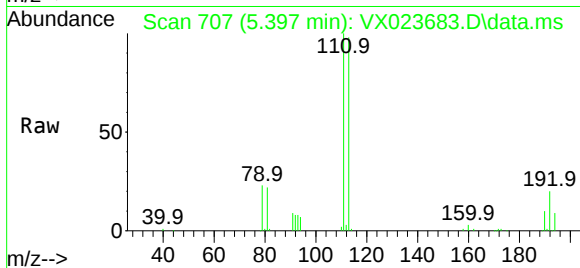
Delta R.T. 0.000 min

Lab File: VX023683.D

Acq: 13 Aug 2021 12:18

Tgt Ion:	113	Resp:	84496
Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.9	122.9
192	19.5	16.7	25.1

Instrument :
MSVOA_X
ClientSampled :



#36

1,1-Dichloropropene

Concen: 5.011 ug/l

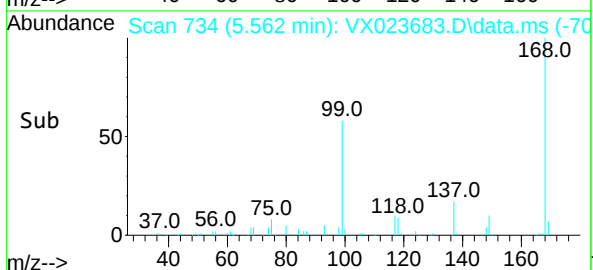
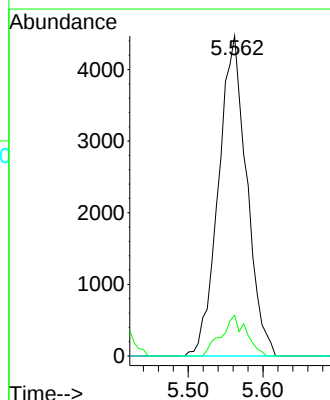
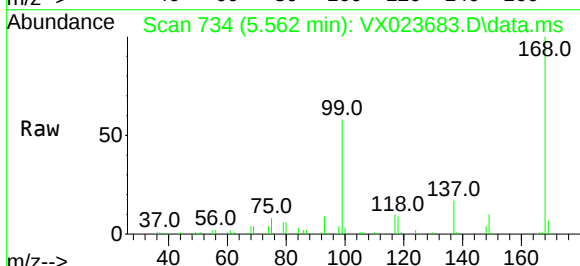
RT: 5.562 min Scan# 734

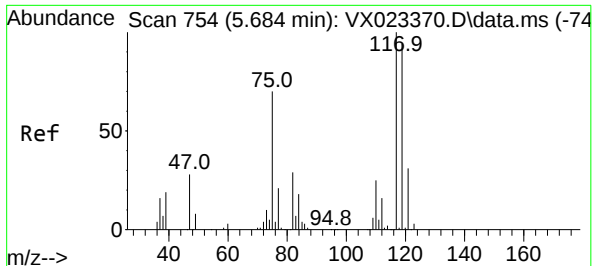
Delta R.T. -0.134 min

Lab File: VX023683.D

Acq: 13 Aug 2021 12:18

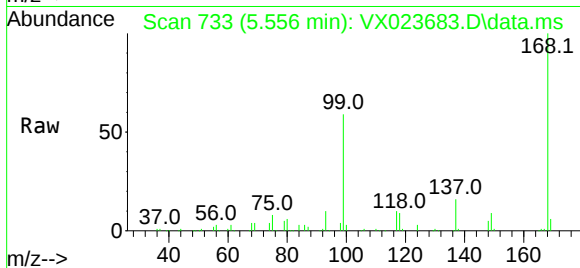
Tgt Ion:	75	Resp:	11717
Ion	Ratio	Lower	Upper
75	100		
110	11.2	18.1	54.4#
77	0.0	25.3	37.9#



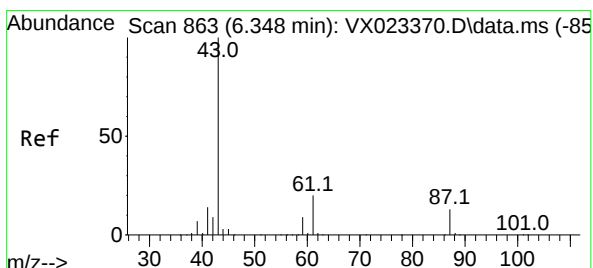
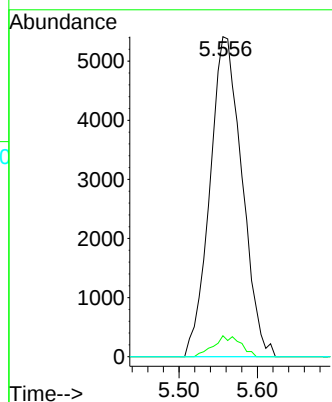
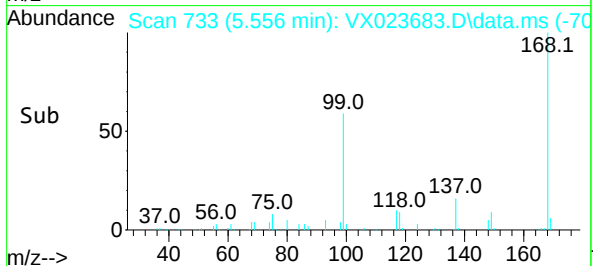


#38
Carbon Tetrachloride
Concen: 6.476 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

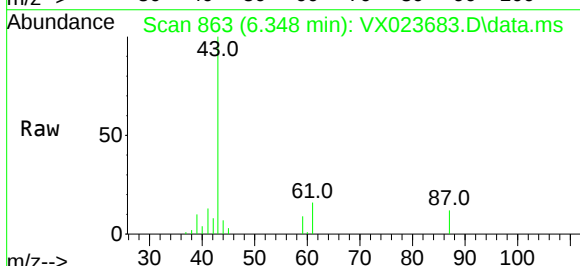
Instrument :
MSVOA_X
ClientSampled :



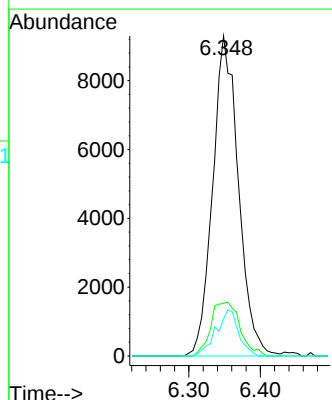
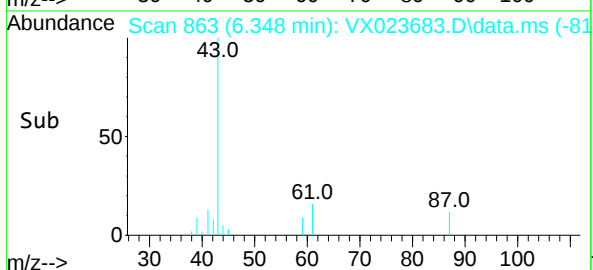
Tgt Ion:117 Resp: 15401
Ion Ratio Lower Upper
117 100
119 6.6 76.2 114.2#
121 0.0 24.8 37.2#

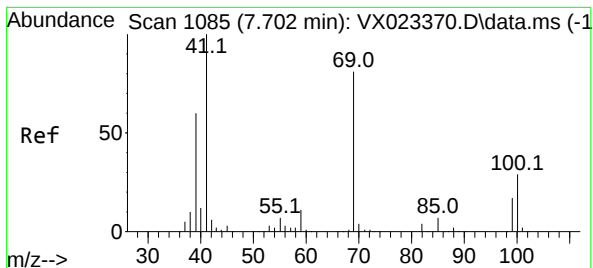


#43
Isopropyl Acetate
Concen: 5.085 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18



Tgt Ion: 43 Resp: 23230
Ion Ratio Lower Upper
43 100
61 19.1 18.2 27.4
87 12.6 12.5 18.7





#48

Methyl methacrylate

Concen: 61.581 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.103 min

Lab File: VX023683.D

Acq: 13 Aug 2021 12:18

Tgt Ion: 41 Resp: 130294

Ion Ratio Lower Upper

41 100

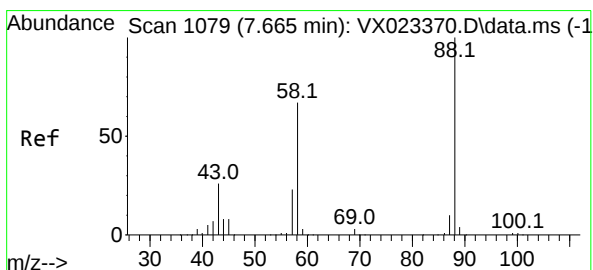
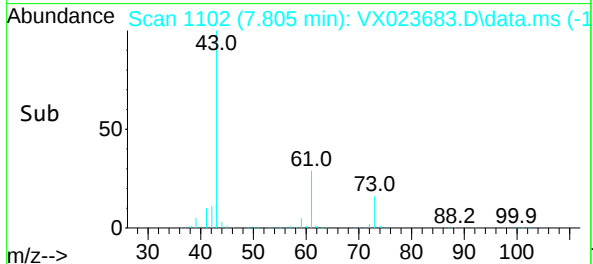
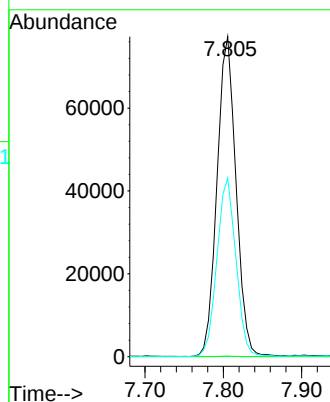
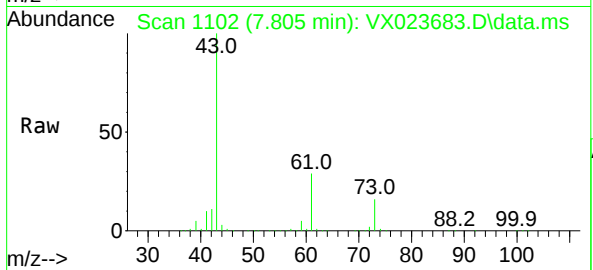
69 0.1 76.0 114.0#

39 56.1 44.6 67.0

Instrument :

MSVOA_X

ClientSampled :



#49

1,4-Dioxane

Concen: 5.061 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX023683.D

Acq: 13 Aug 2021 12:18

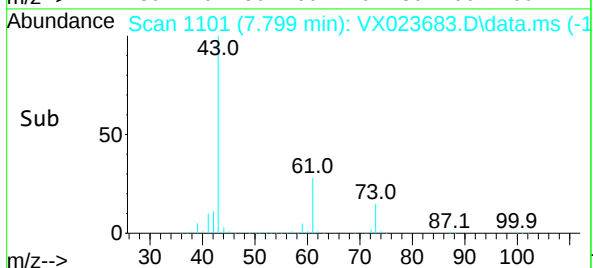
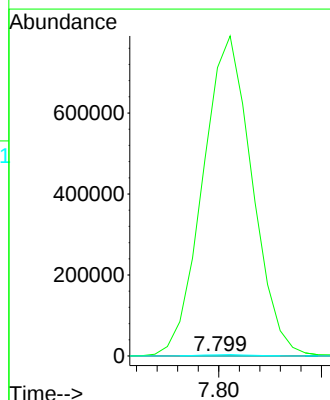
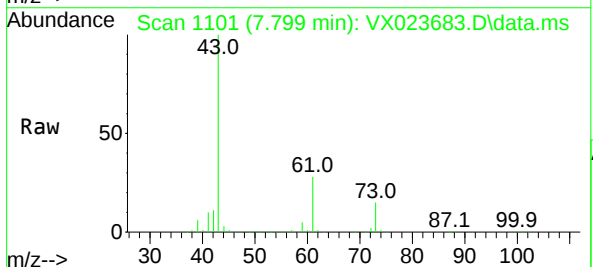
Tgt Ion: 88 Resp: 228

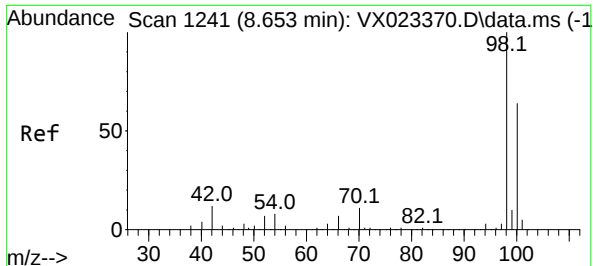
Ion Ratio Lower Upper

88 100

43 581500.9 23.2 34.8#

58 2550.4 55.0 82.4#

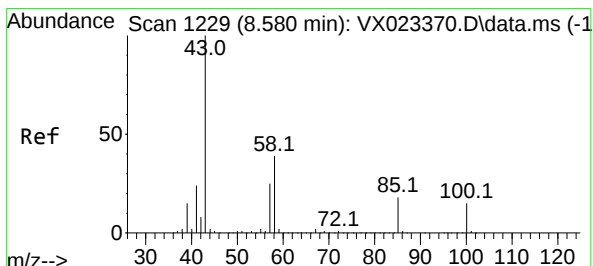
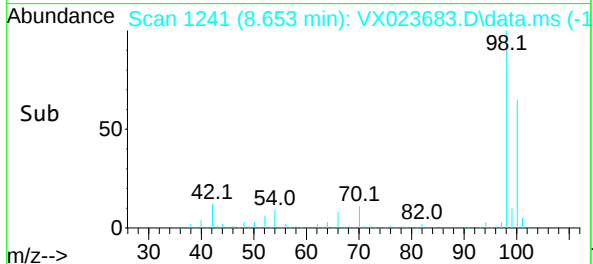
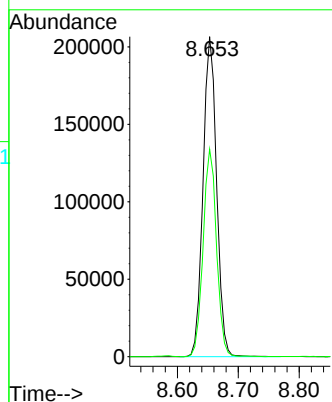
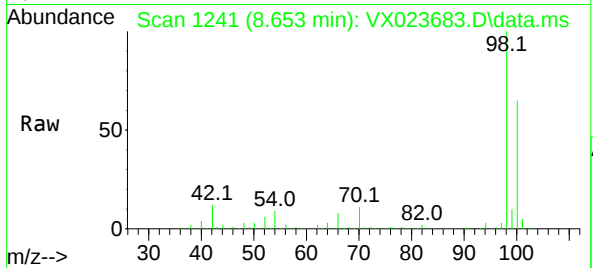




#50
Toluene-d8
Concen: 53.907 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

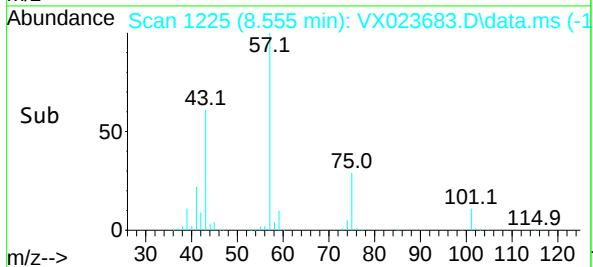
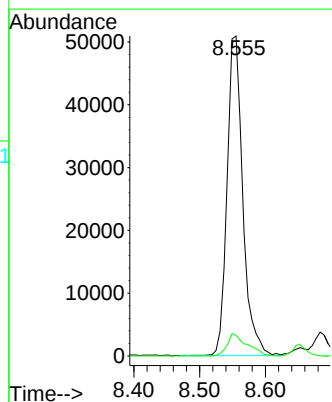
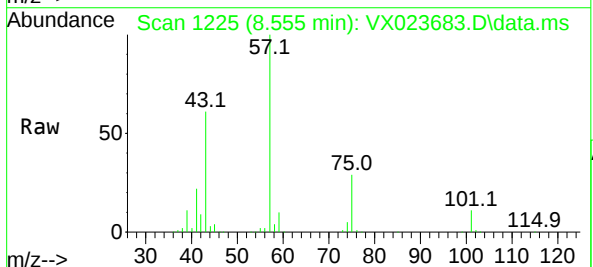
Instrument :
MSVOA_X
ClientSampled :

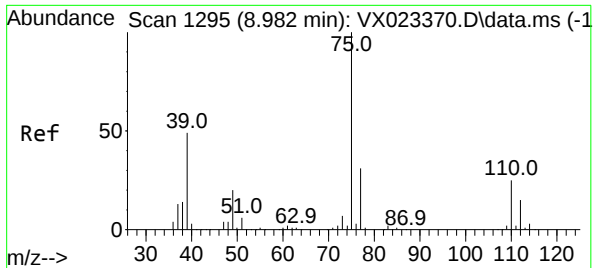
Tgt Ion: 98 Resp: 320094
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 30.409 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

Tgt Ion: 43 Resp: 84973
Ion Ratio Lower Upper
43 100
58 8.8 35.4 53.0#

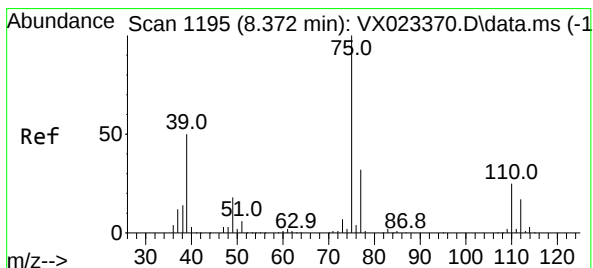
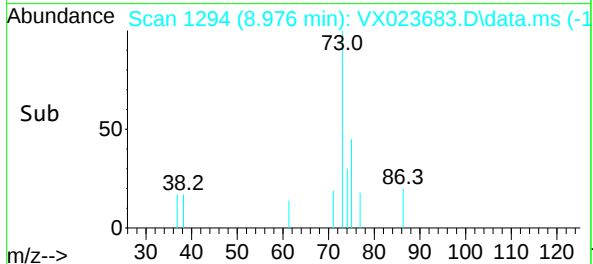
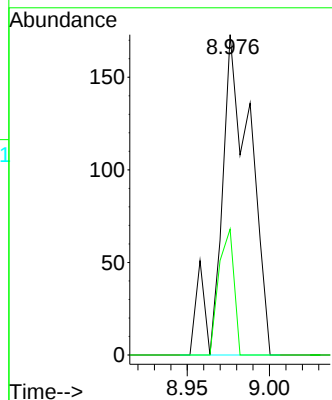
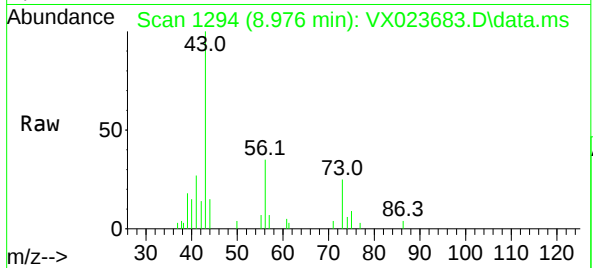




#53
 t-1,3-Dichloropropene
 Concen: 1.890 ug/l
 RT: 8.976 min Scan# 1294
 Delta R.T. -0.006 min
 Lab File: VX023683.D
 Acq: 13 Aug 2021 12:18

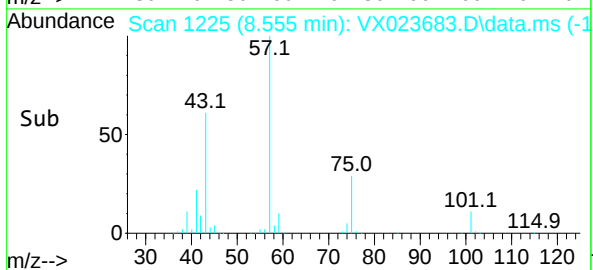
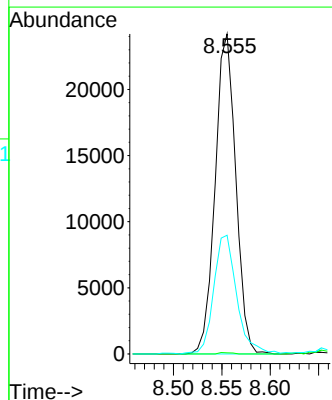
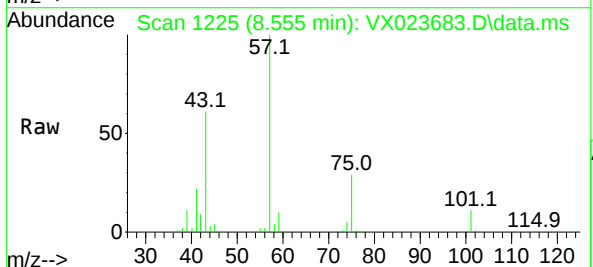
Instrument :
 MSVOA_X
 ClientSampled :

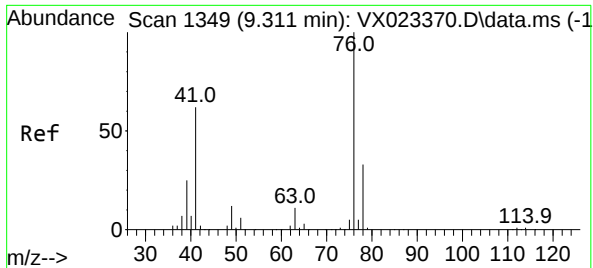
Tgt Ion: 75 Resp: 217
 Ion Ratio Lower Upper
 75 100
 77 39.3 24.9 37.3#



#54
 cis-1,3-Dichloropropene
 Concen: 12.811 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023683.D
 Acq: 13 Aug 2021 12:18

Tgt Ion: 75 Resp: 35804
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.7 38.5#
 39 37.1 35.1 52.7

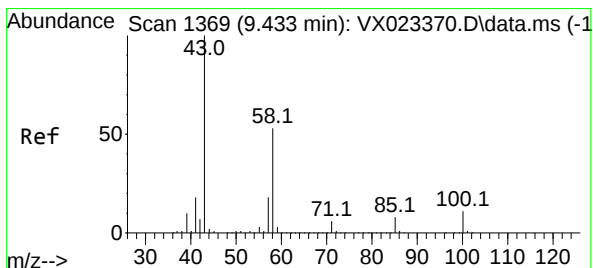
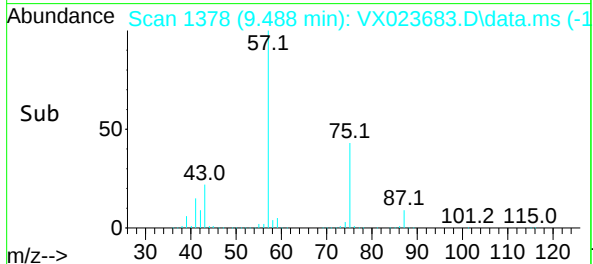
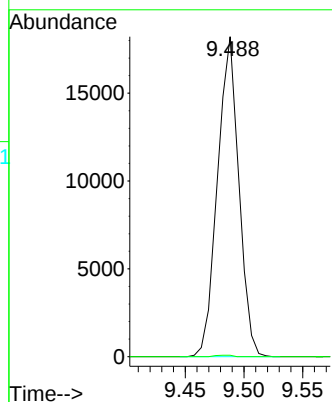
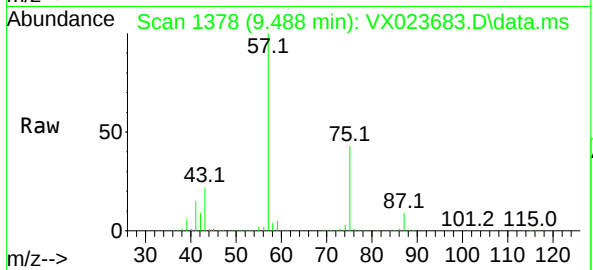




#57
1,3-Dichloropropane
Concen: 7.791 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

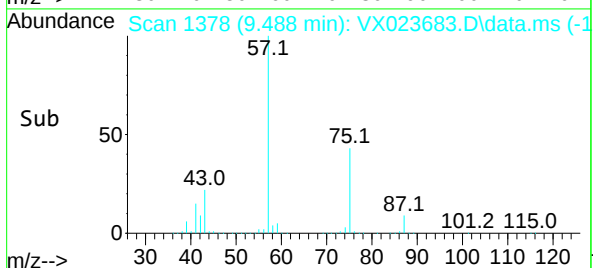
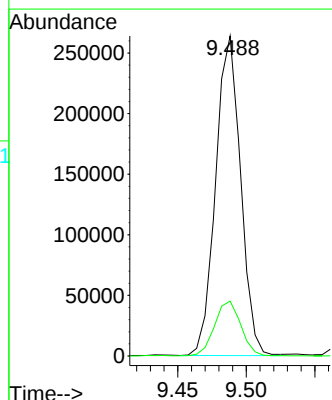
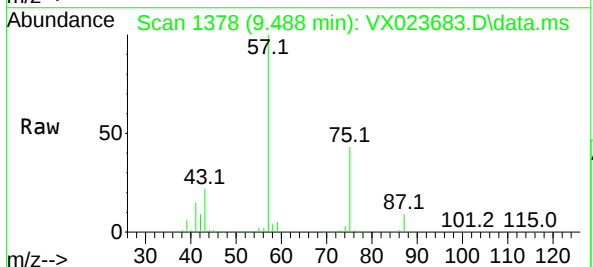
Instrument :
MSVOA_X
ClientSampled :

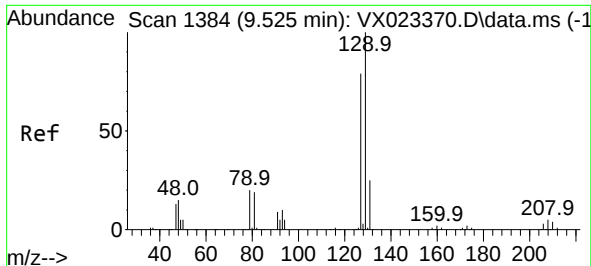
Tgt Ion: 76 Resp: 23027
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#



#59
2-Hexanone
Concen: 157.412 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

Tgt Ion: 43 Resp: 334017
Ion Ratio Lower Upper
43 100
58 18.1 30.9 92.8#

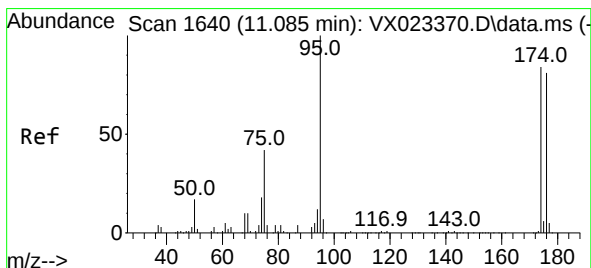
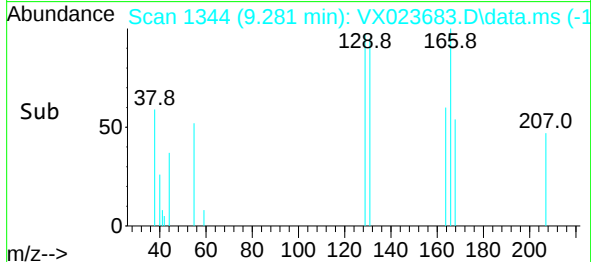
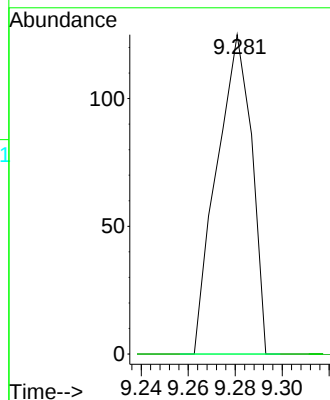
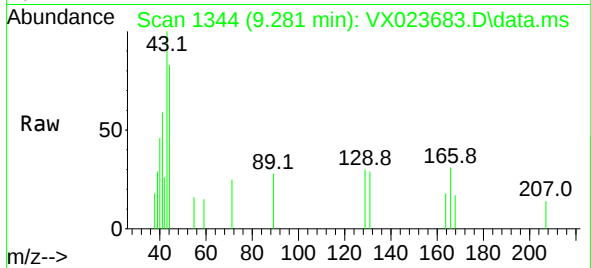




#60
Dibromochloromethane
Concen: 2.047 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

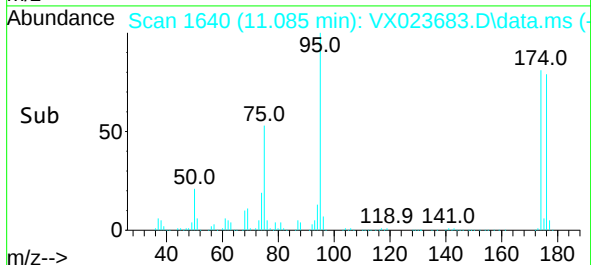
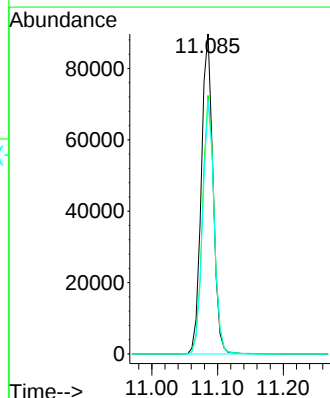
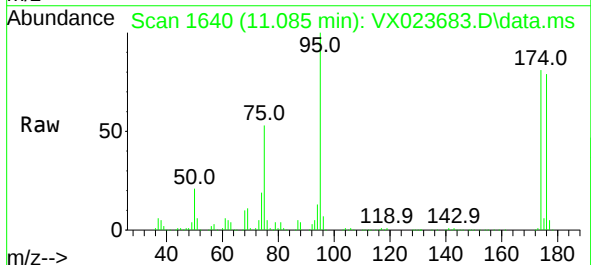
Instrument :
MSVOA_X
ClientSampleId :

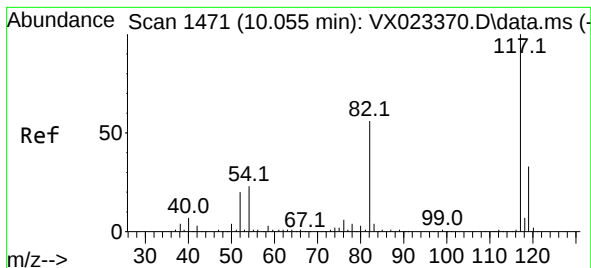
Tgt Ion:129 Resp: 129
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 54.936 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

Tgt Ion: 95 Resp: 110924
Ion Ratio Lower Upper
95 100
174 80.7 0.0 154.6
176 77.5 0.0 155.8

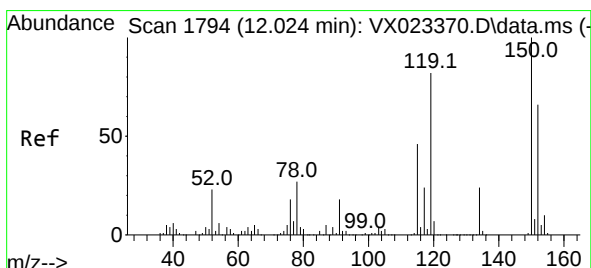
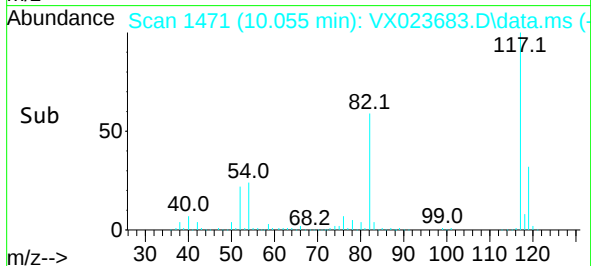
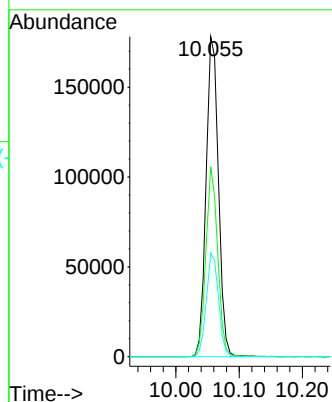
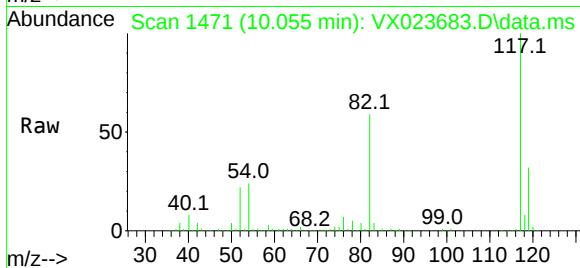




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

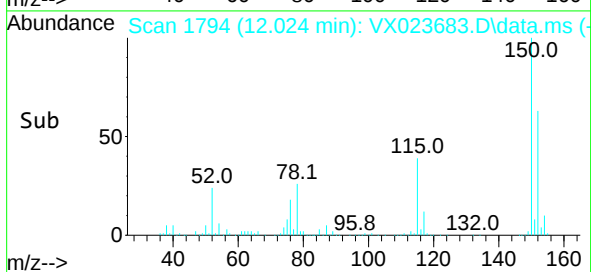
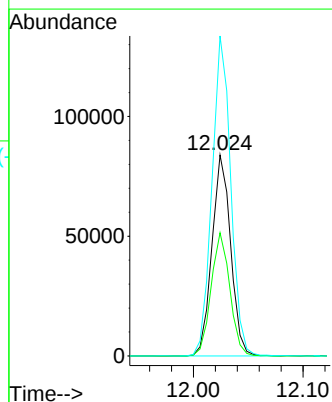
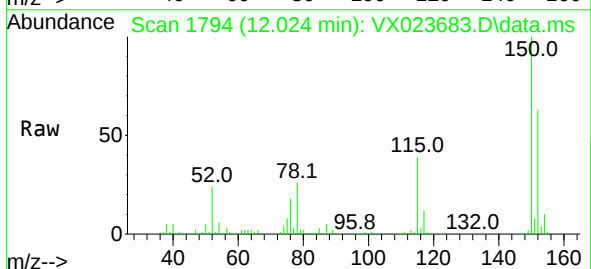
Instrument :
MSVOA_X
ClientSampled :

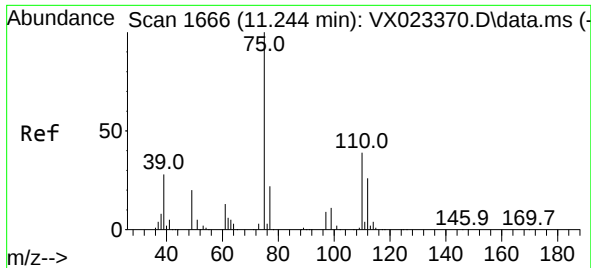
Tgt Ion:117 Resp: 242638
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.2
119 32.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

Tgt Ion:152 Resp: 99543
Ion Ratio Lower Upper
152 100
115 61.3 41.1 123.3
150 159.8 0.0 349.0

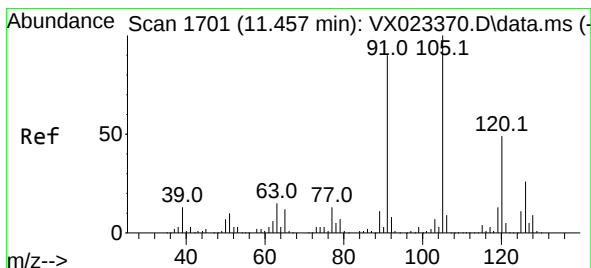
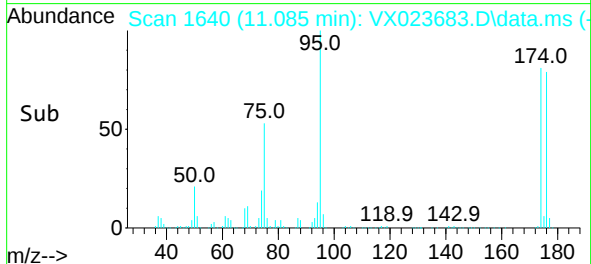
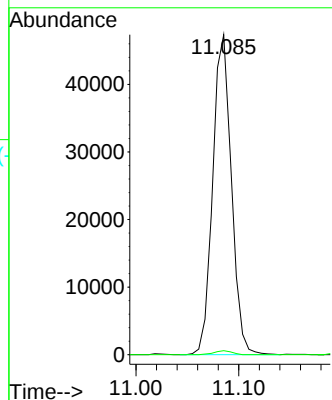
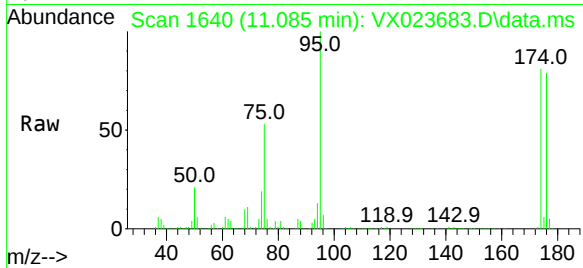




#76
1,2,3-Trichloropropane
Concen: 27.203 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

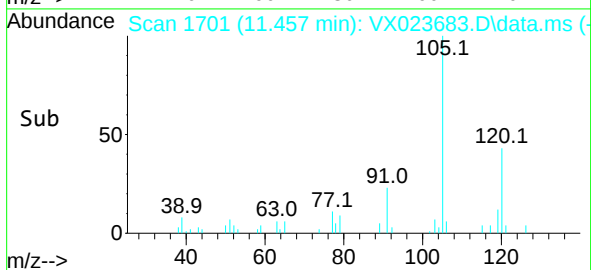
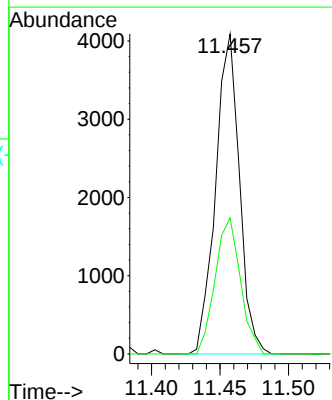
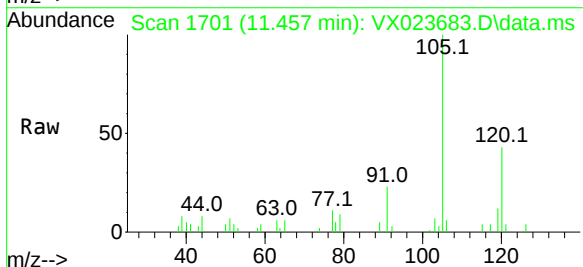
Instrument :
MSVOA_X
ClientSampled :

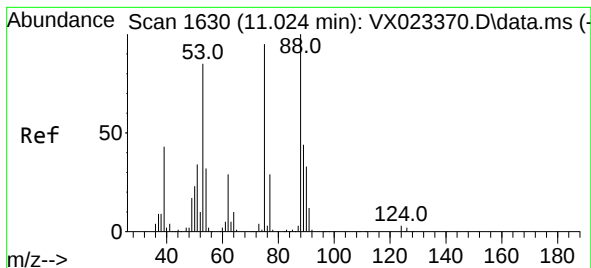
Tgt Ion: 75 Resp: 59588
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.808 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

Tgt Ion: 105 Resp: 4944
Ion Ratio Lower Upper
105 100
120 45.0 23.8 71.5

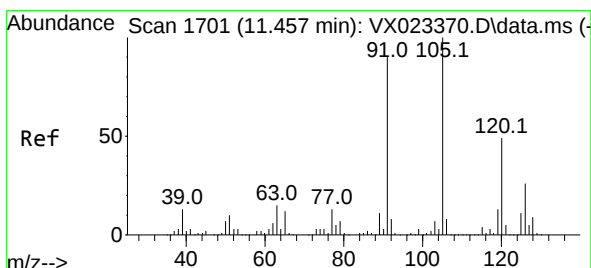
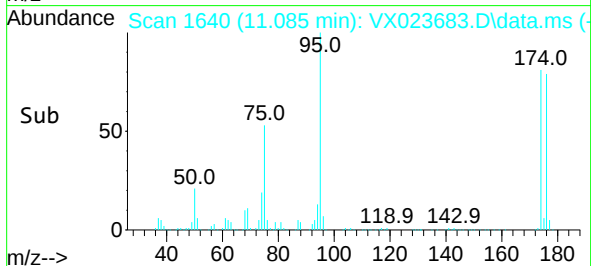
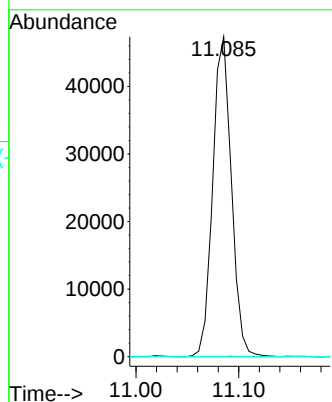
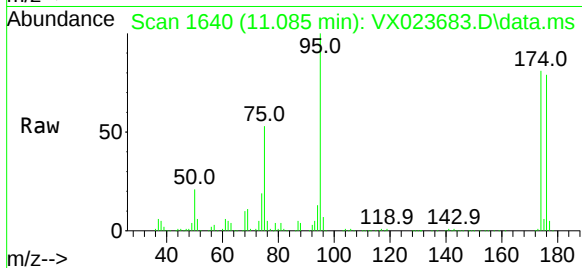




#81
trans-1,4-Dichloro-2-butene
Concen: 73.145 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

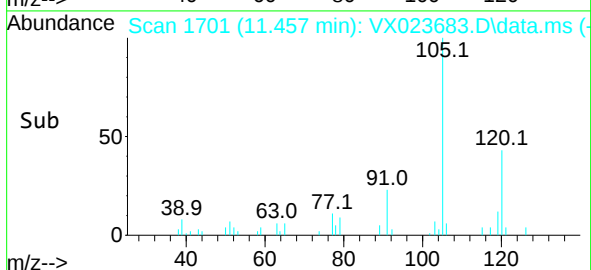
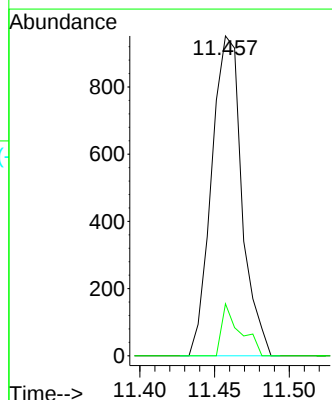
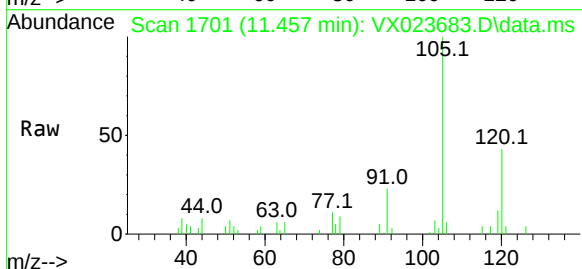
Instrument :
MSVOA_X
ClientSampled :

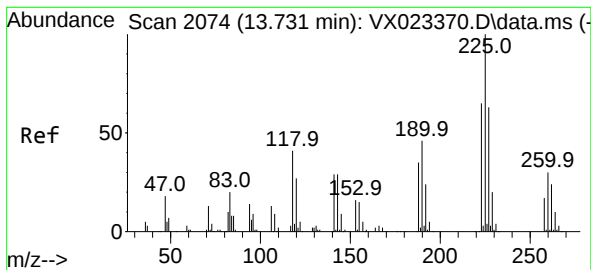
Tgt Ion: 75 Resp: 59588
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#82
4-Chlorotoluene
Concen: 0.234 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023683.D
Acq: 13 Aug 2021 12:18

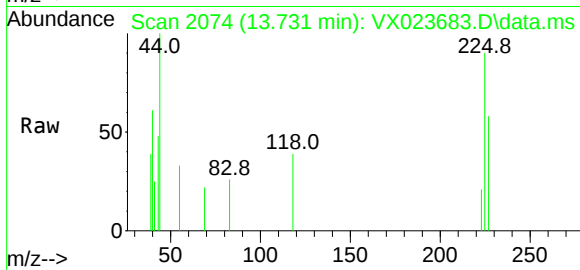
Tgt Ion: 91 Resp: 1343
Ion Ratio Lower Upper
91 100
126 9.9 14.9 44.5#





#94
 Hexachlorobutadiene
 Concen: 0.247 ug/l
 RT: 13.731 min Scan# 2074
 Delta R.T. 0.000 min
 Lab File: VX023683.D
 Acq: 13 Aug 2021 12:18

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	225	Resp:	226
Ion	Ratio	Lower	Upper
225	100		
223	17.7	31.1	93.2#
227	46.0	31.6	95.0

