

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070621\
 Data File : VX023145.D
 Acq On : 06 Jul 2021 14:55
 Operator : JC/MD
 Sample : M2923-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 07 02:52:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

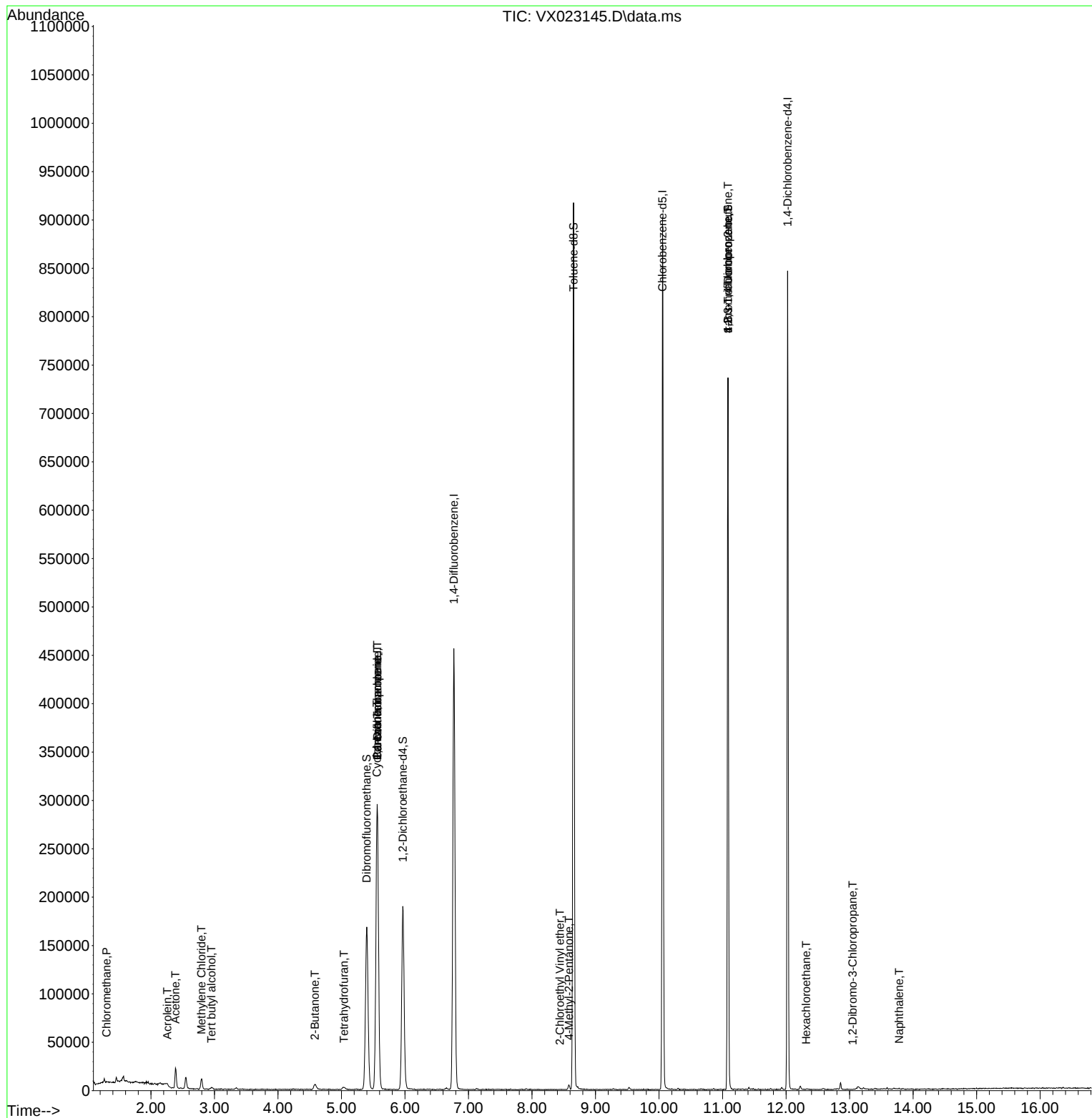
Internal Standards						
1) Pentafluorobenzene	5.562	168	276475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	455087	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	397267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	166278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	189303	50.945	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	101.900%	
35) Dibromofluoromethane	5.397	113	142790	48.589	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	97.180%	
50) Toluene-d8	8.653	98	535504	48.850	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	97.700%	
62) 4-Bromofluorobenzene	11.085	95	193544	45.733	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	91.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	695	0.280	ug/l	93
5) Bromomethane	1.611	94	1214	Below Cal	#	20
11) Tert butyl alcohol	2.953	59	732	0.936	ug/l #	80
13) Acrolein	2.258	56	288	0.553	ug/l	90
16) Acetone	2.386	43	21954	14.934	ug/l	97
20) Methylene Chloride	2.794	84	4738	1.497	ug/l	93
25) 2-Butanone	4.580	43	6535	2.948	ug/l #	88
29) Tetrahydrofuran	5.038	42	2555	1.793	ug/l #	57
31) Cyclohexane	5.556	56	6092	1.369	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	21298	5.250	ug/l #	49
38) Carbon Tetrachloride	5.562	117	28436	6.715	ug/l #	16
51) 4-Methyl-2-Pentanone	8.580	43	3137	0.688	ug/l #	85
58) 2-Chloroethyl Vinyl ether	8.439	63	32	4.701	ug/l #	45
76) 1,2,3-Trichloropropane	11.085	75	99295	29.675	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	99295	79.730	ug/l #	12
90) Hexachloroethane	12.317	117	28	3.010	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	13.048	75	22	2.593	ug/l #	1
95) Naphthalene	13.780	128	633	1.325	ug/l #	69

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

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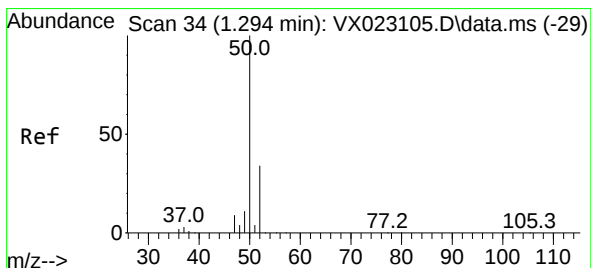
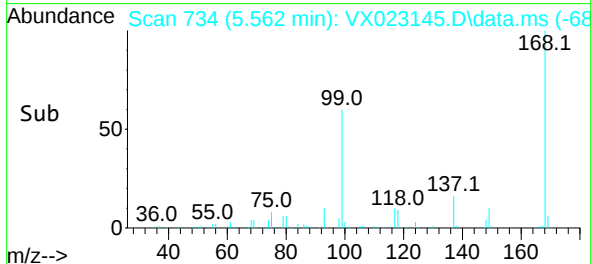
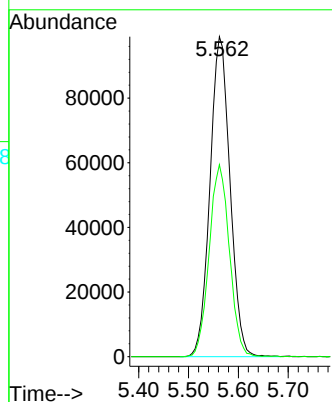
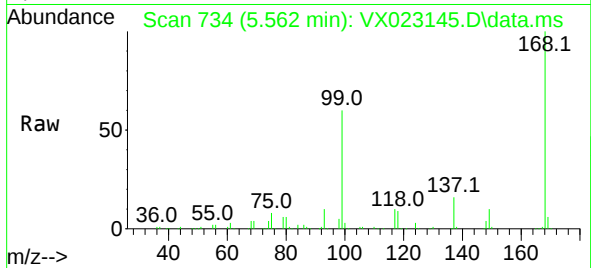




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

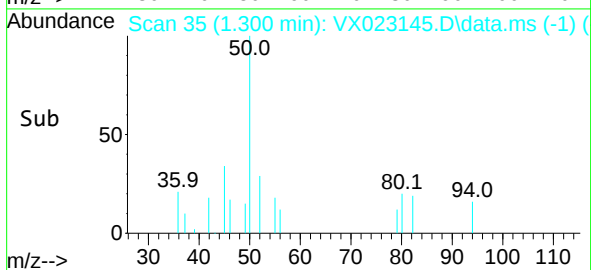
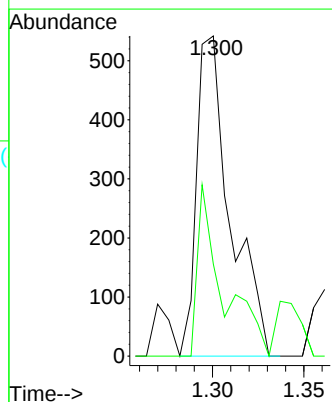
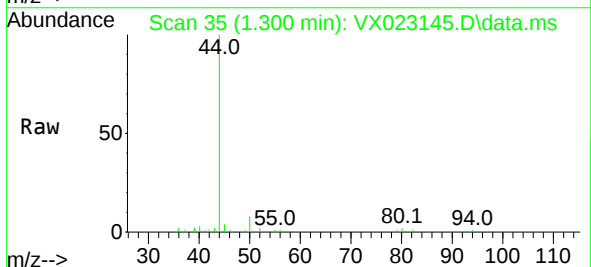
Instrument :
MSVOA_X
ClientSampled :

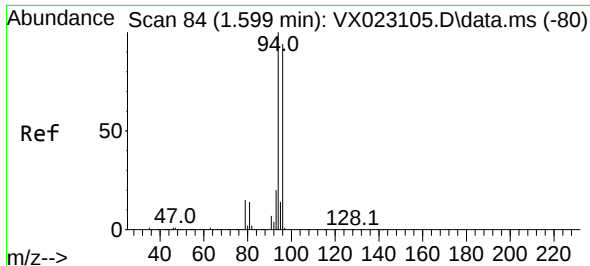
Tgt Ion:168 Resp: 276475
Ion Ratio Lower Upper
168 100
99 60.0 45.8 68.6



#3
Chloromethane
Concen: 0.280 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

Tgt Ion: 50 Resp: 695
Ion Ratio Lower Upper
50 100
52 28.8 26.4 39.6

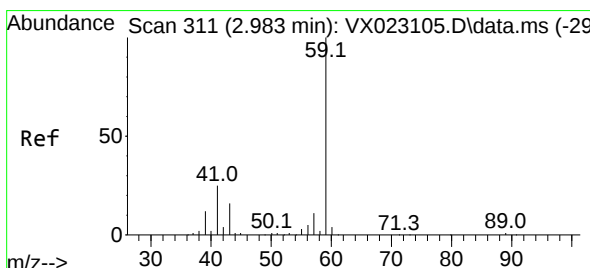
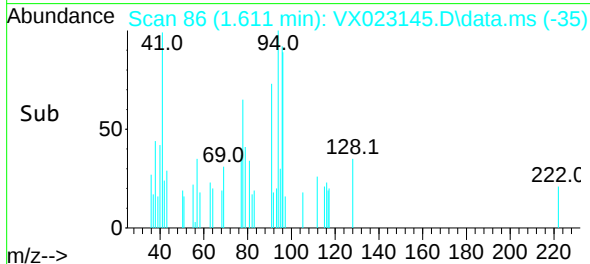
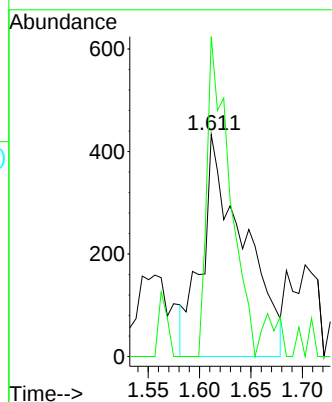
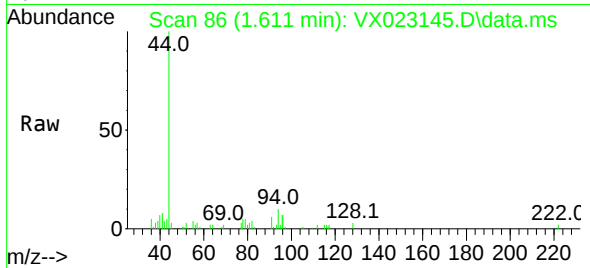




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

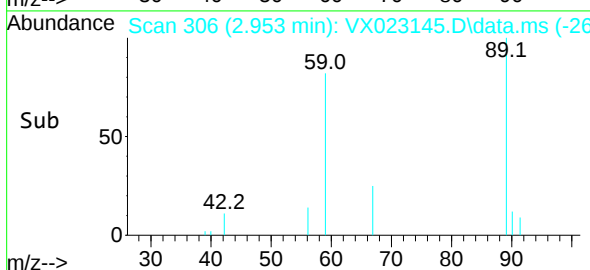
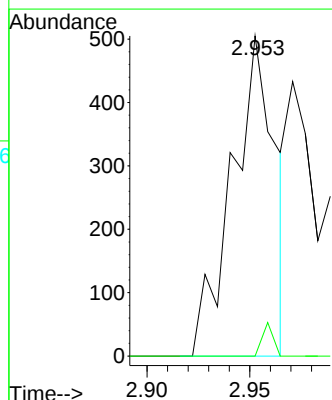
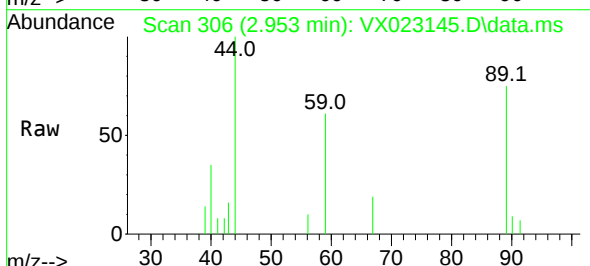
Instrument :
MSVOA_X
ClientSampleId :

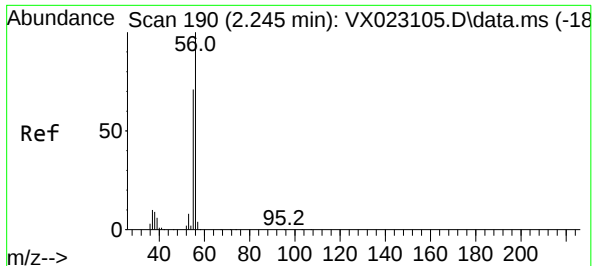
Tgt Ion: 94 Resp: 1214
Ion Ratio Lower Upper
94 100
96 173.8 76.4 114.6#



#11
Tert butyl alcohol
Concen: 0.936 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

Tgt Ion: 59 Resp: 732
Ion Ratio Lower Upper
59 100
57 2.6 7.8 11.8#

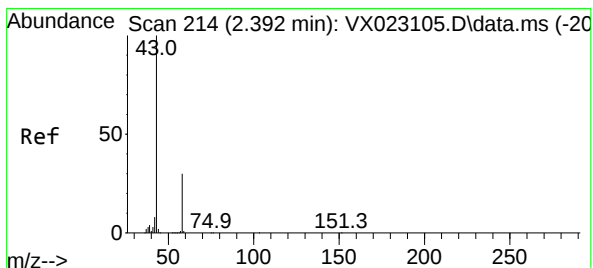
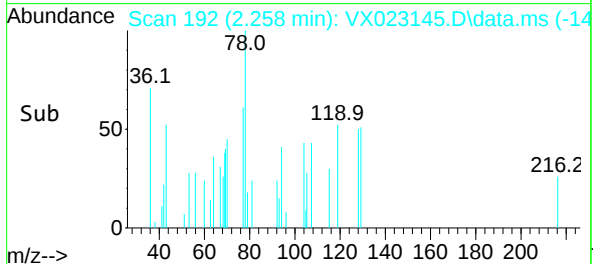
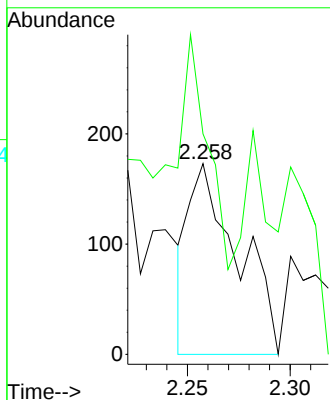
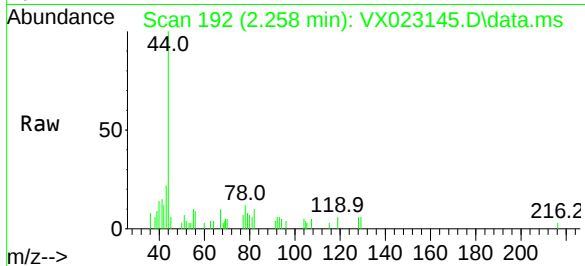




#13
Acrolein
Concen: 0.553 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.013 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

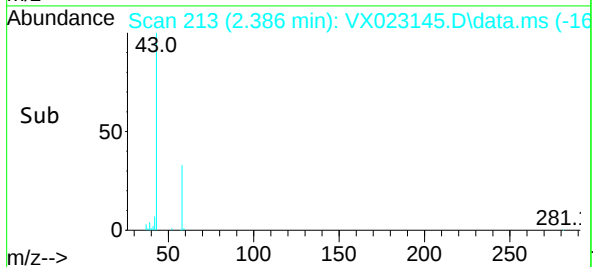
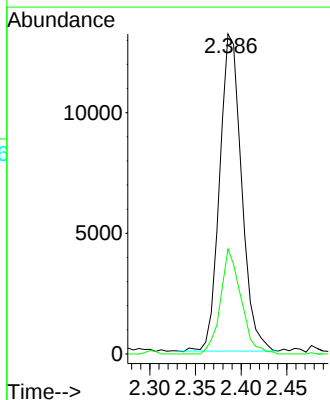
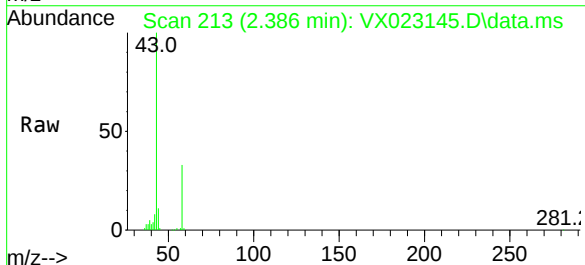
Instrument :
MSVOA_X
ClientSampleId :

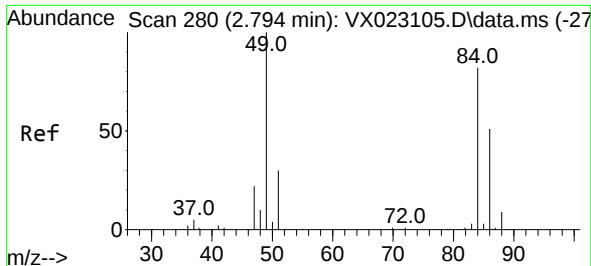
Tgt Ion: 56 Resp: 288
Ion Ratio Lower Upper
56 100
55 78.5 56.4 84.6



#16
Acetone
Concen: 14.934 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

Tgt Ion: 43 Resp: 21954
Ion Ratio Lower Upper
43 100
58 33.1 27.8 41.8

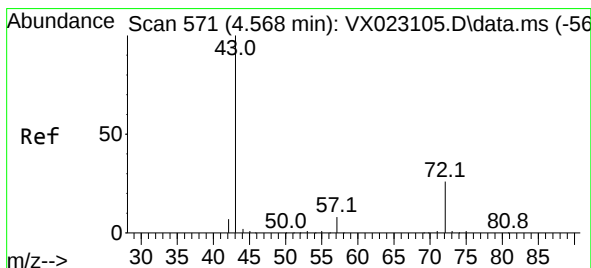
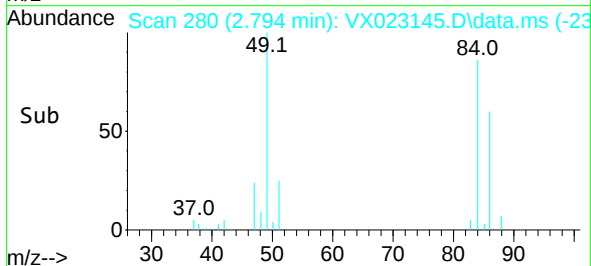
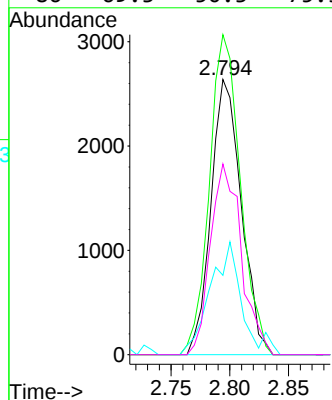
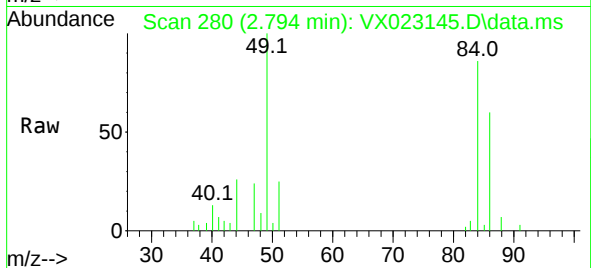




#20
Methylene Chloride
Concen: 1.497 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

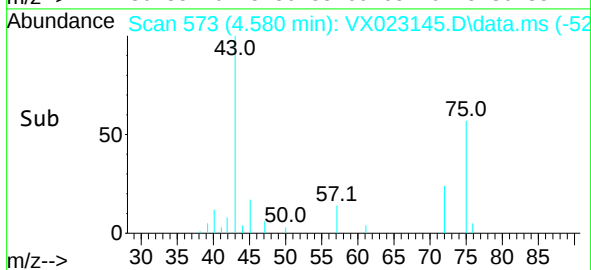
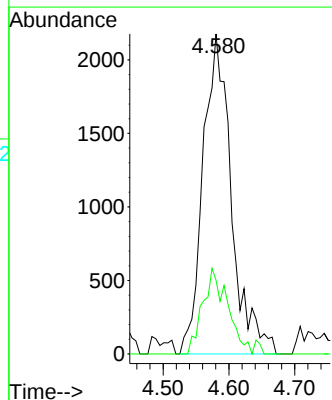
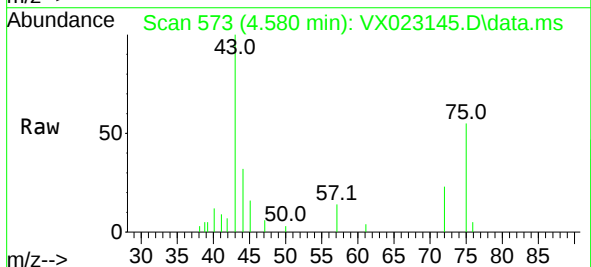
Instrument :
MSVOA_X
ClientSampleId :

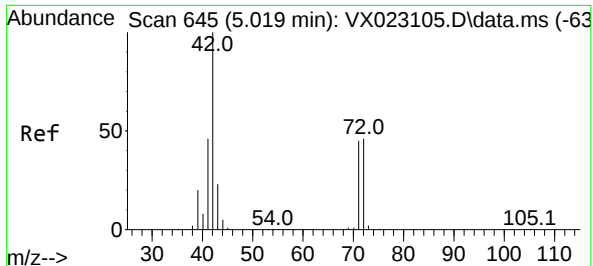
Tgt Ion: 84	Resp: 4738
Ion Ratio	Lower Upper
84 100	
49 116.3	88.6 132.8
51 28.8	27.0 40.6
86 69.3	50.3 75.5



#25
2-Butanone
Concen: 2.948 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

Tgt Ion: 43	Resp: 6535		
Ion Ratio	Lower	Upper	
43 100			
72 23.1	23.7	35.5#	





#29

Tetrahydrofuran

Concen: 1.793 ug/l

RT: 5.038 min Scan# 648

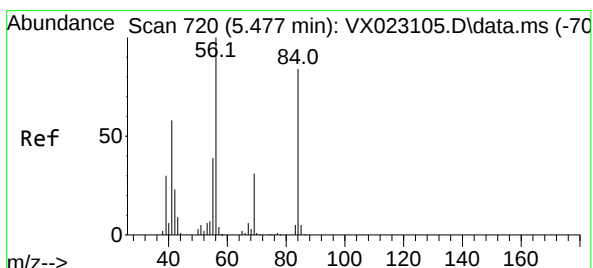
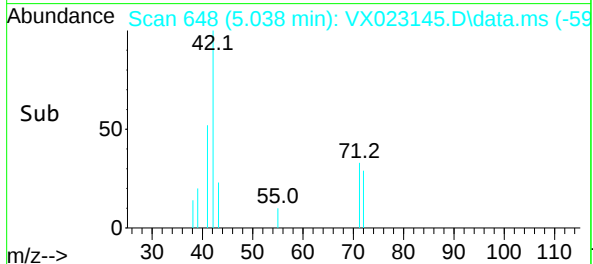
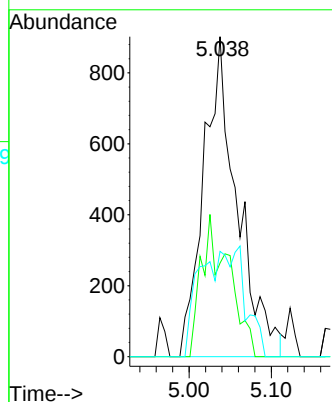
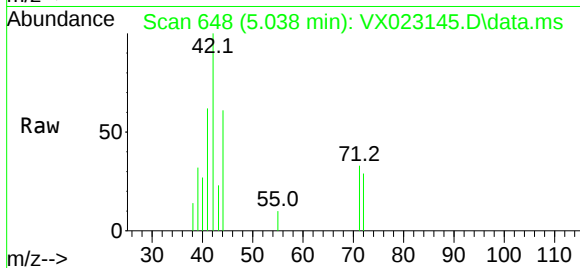
Delta R.T. 0.019 min

Lab File: VX023145.D

Acq: 06 Jul 2021 14:55

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 42	Resp: 2555
Ion Ratio	Lower Upper
42	100
72	21.9 41.7 62.5#
71	19.4 38.4 57.6#



#31

Cyclohexane

Concen: 1.369 ug/l

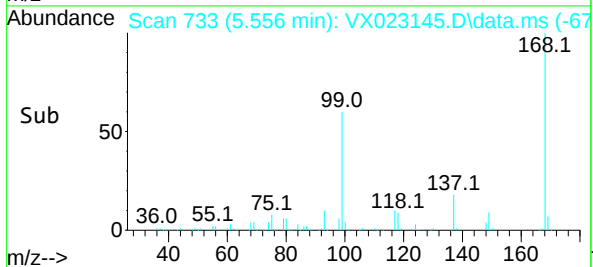
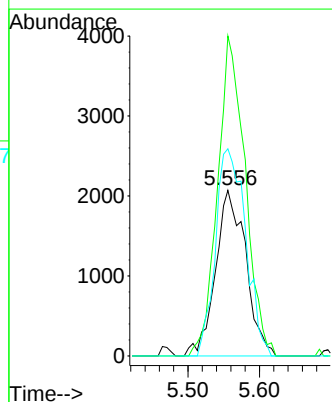
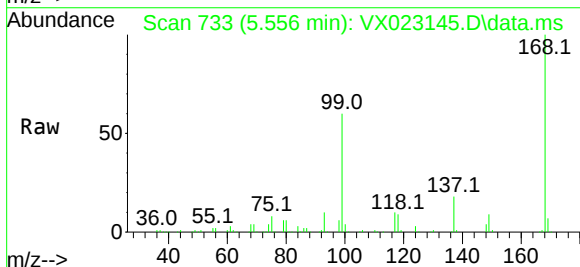
RT: 5.556 min Scan# 733

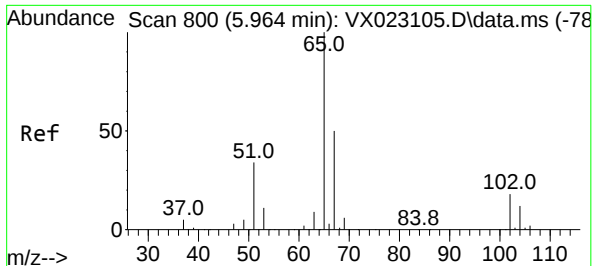
Delta R.T. 0.079 min

Lab File: VX023145.D

Acq: 06 Jul 2021 14:55

Tgt Ion: 56	Resp: 6092
Ion Ratio	Lower Upper
56	100
69	193.2 25.3 37.9#
84	138.5 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 50.945 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023145.D

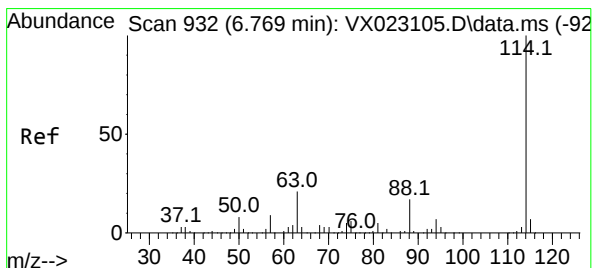
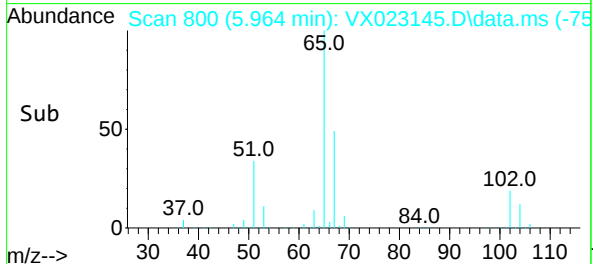
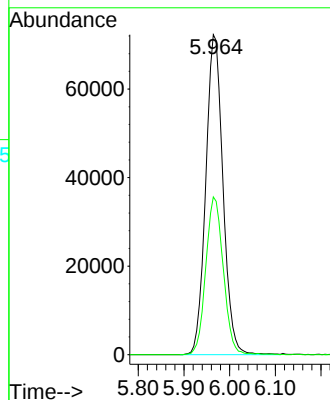
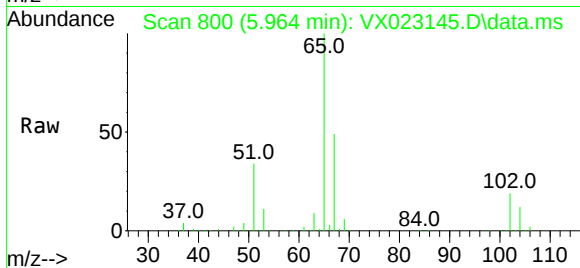
Acq: 06 Jul 2021 14:55

Tgt Ion: 65 Resp: 189303

Ion Ratio Lower Upper

65 100

67 49.9 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: VX023145.D

Acq: 06 Jul 2021 14:55

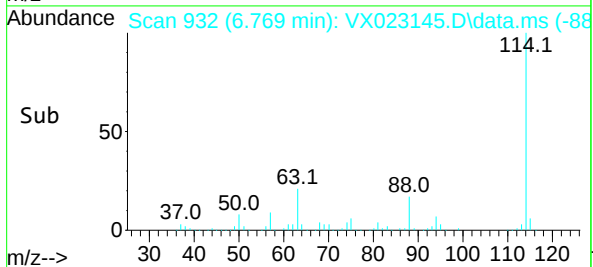
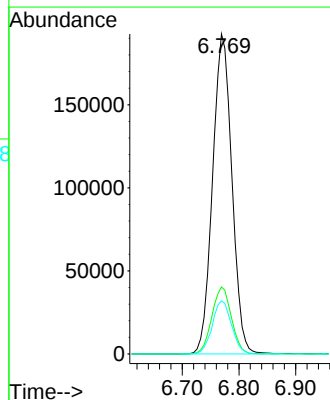
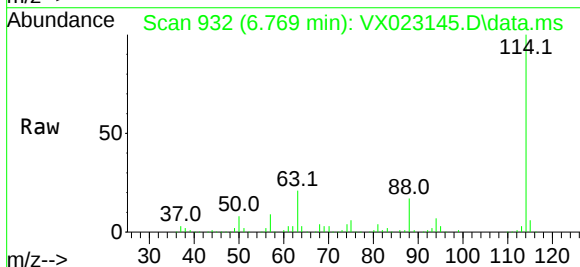
Tgt Ion: 114 Resp: 455087

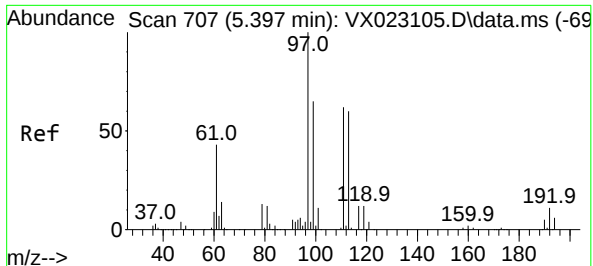
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 16.6 0.0 32.8

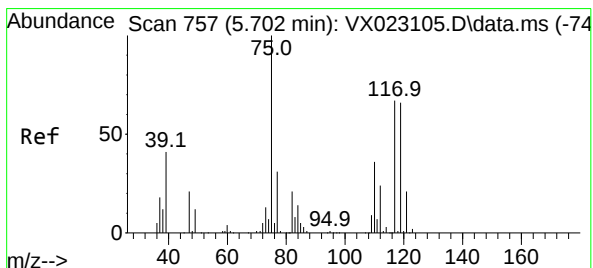
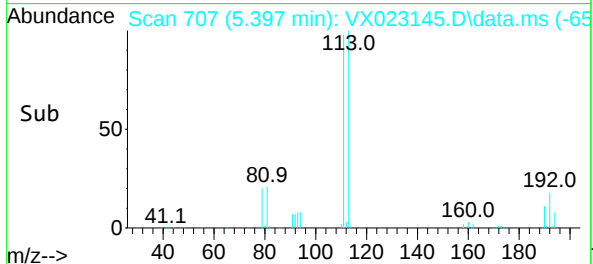
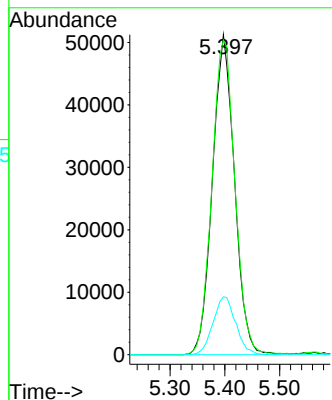
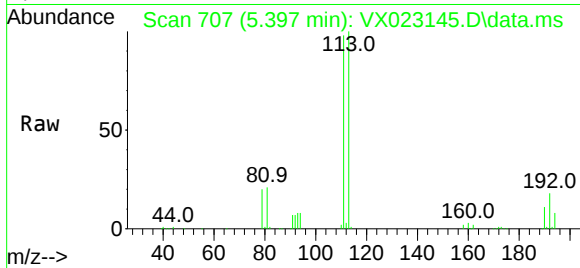




#35
Dibromofluoromethane
Concen: 48.589 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

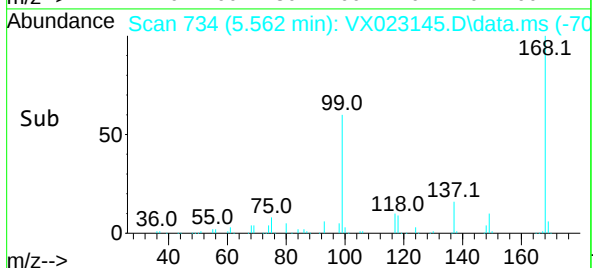
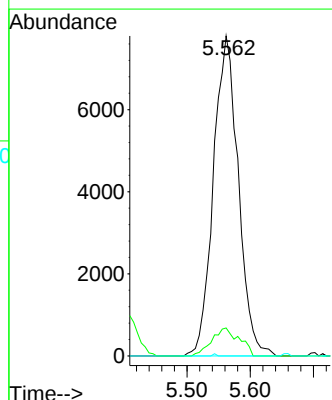
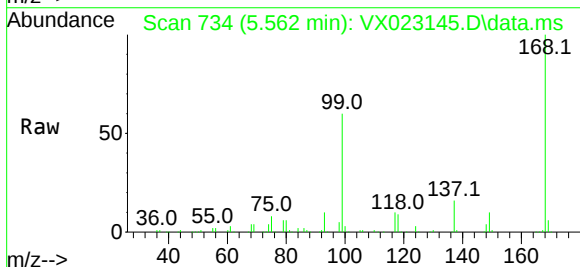
Instrument :
MSVOA_X
ClientSampled :

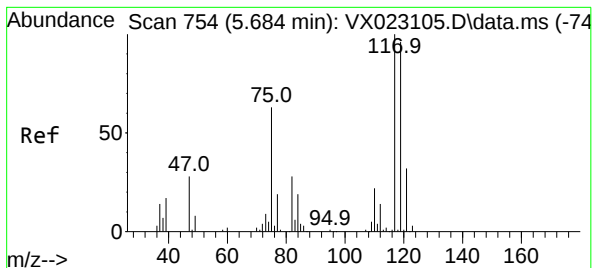
Tgt Ion:113 Resp: 142790
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 18.6 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.250 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

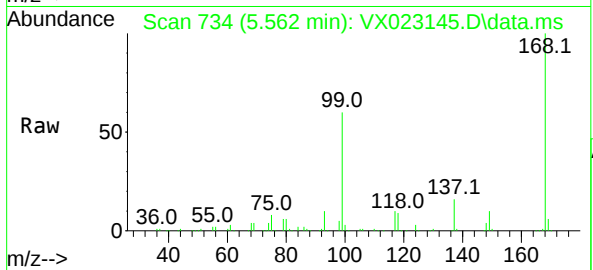
Tgt Ion: 75 Resp: 21298
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.4#
77 0.1 25.3 37.9#



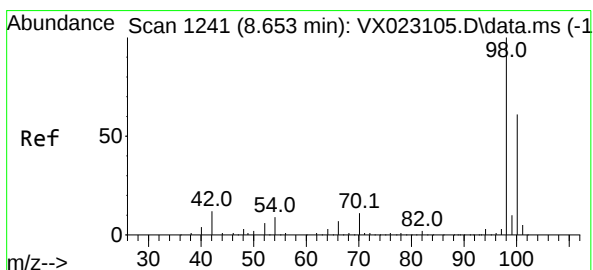
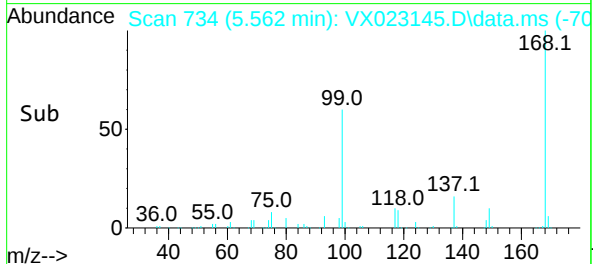
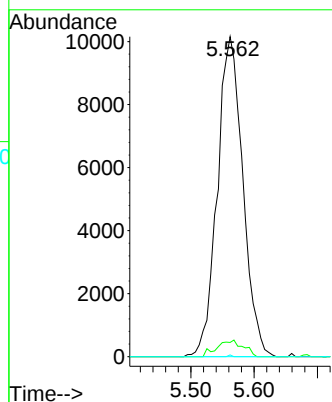


#38
Carbon Tetrachloride
Concen: 6.715 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

Instrument :
MSVOA_X
ClientSampled :

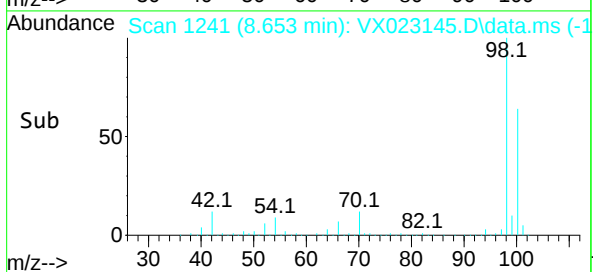
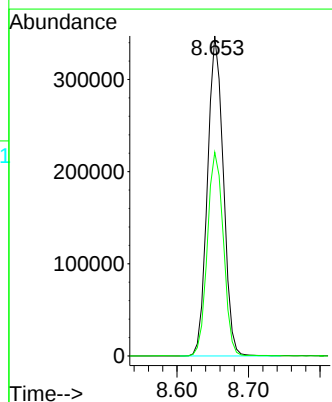
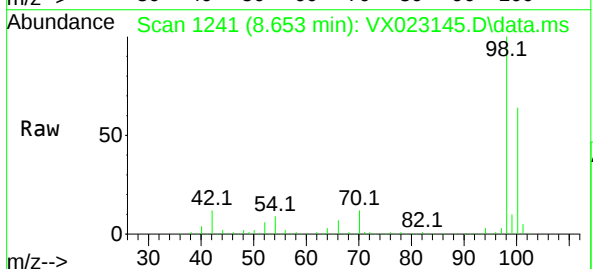


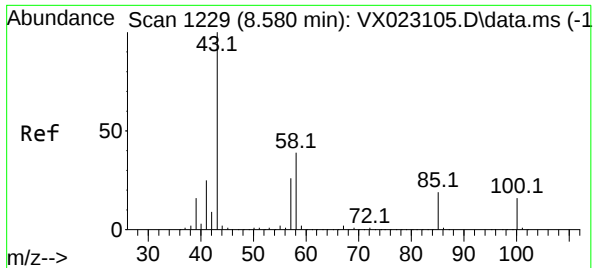
Tgt Ion:117 Resp: 28436
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.5 24.8 37.2#



#50
Toluene-d8
Concen: 48.850 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

Tgt Ion: 98 Resp: 535504
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

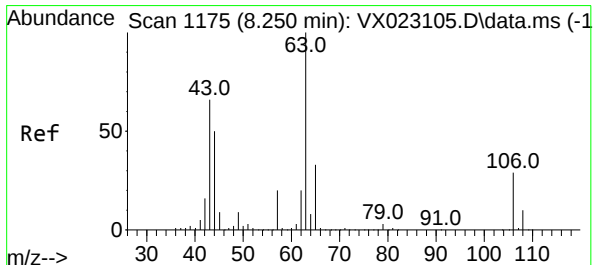
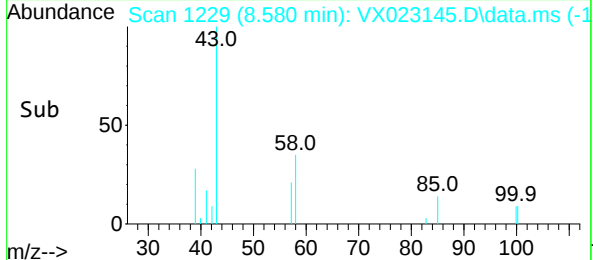
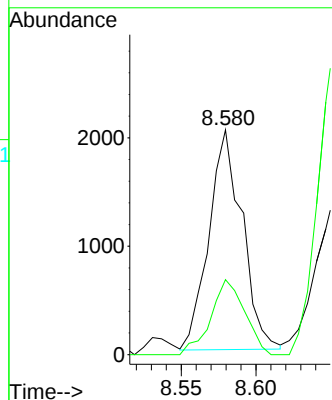
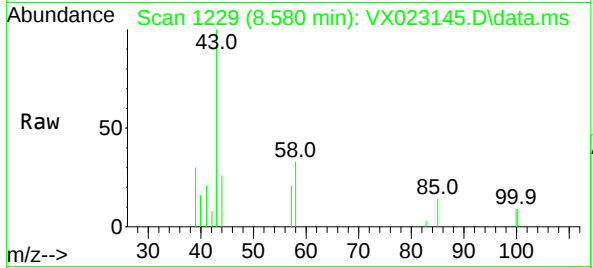




#51
4-Methyl-2-Pentanone
Concen: 0.688 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

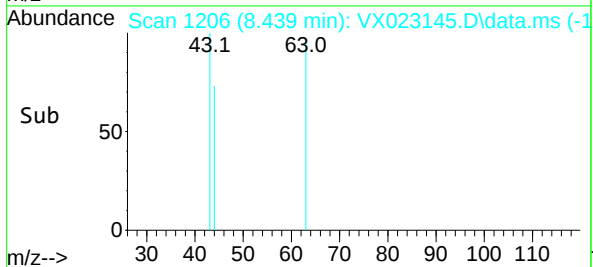
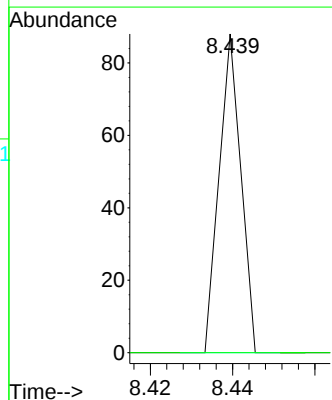
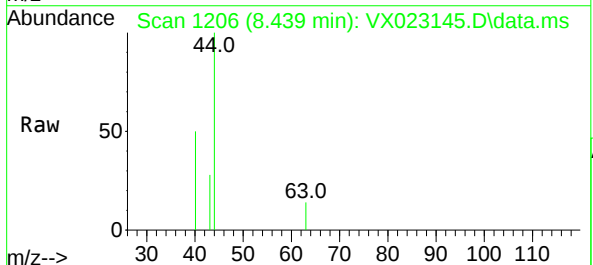
Instrument :
MSVOA_X
ClientSampled :

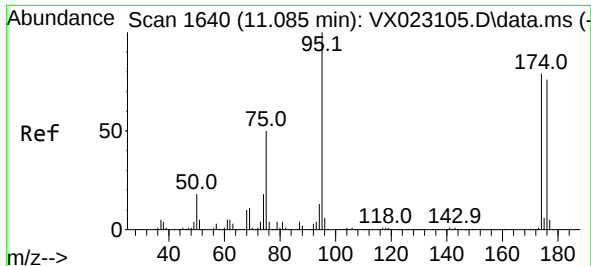
Tgt Ion: 43 Resp: 3137
Ion Ratio Lower Upper
43 100
58 34.7 35.4 53.0#



#58
2-Chloroethyl Vinyl ether
Concen: 4.701 ug/l
RT: 8.439 min Scan# 1206
Delta R.T. 0.189 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

Tgt Ion: 63 Resp: 32
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#

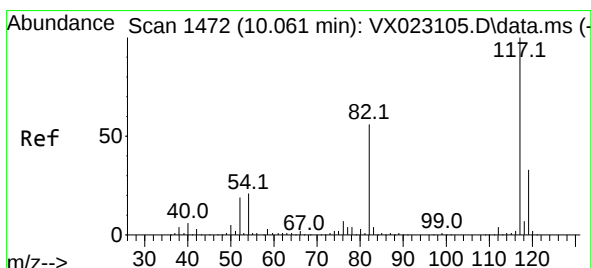
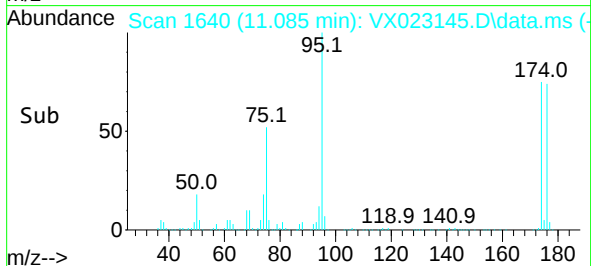
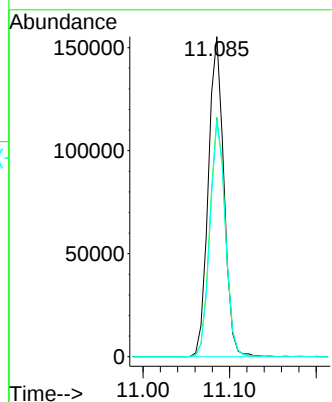
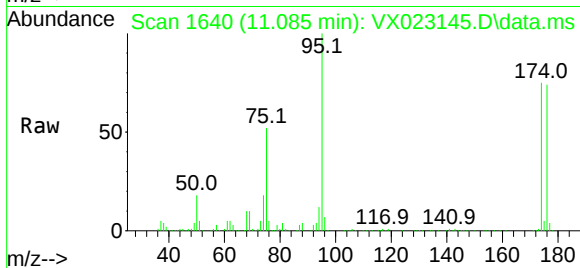




#62
4-Bromofluorobenzene
Concen: 45.733 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

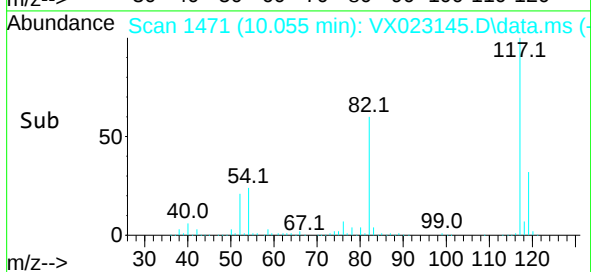
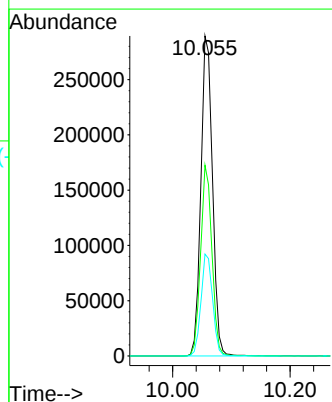
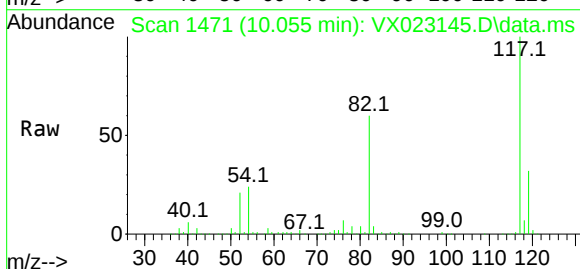
Instrument :
MSVOA_X
ClientSampleId :

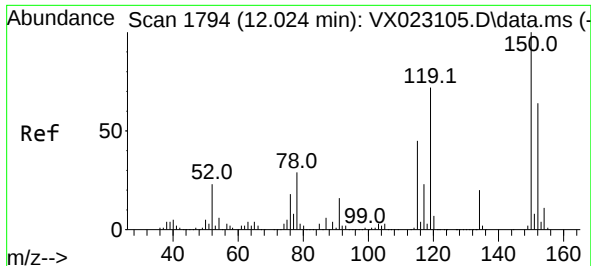
Tgt Ion: 95 Resp: 193544
Ion Ratio Lower Upper
95 100
174 74.2 0.0 154.6
176 72.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

Tgt Ion: 117 Resp: 397267
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.2
119 31.9 26.6 39.8

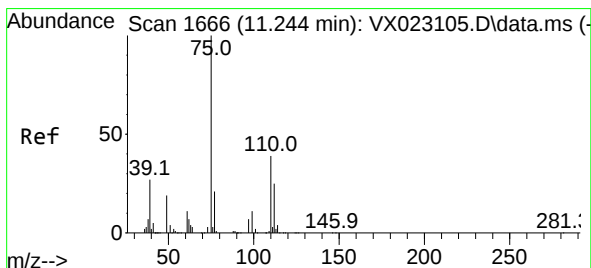
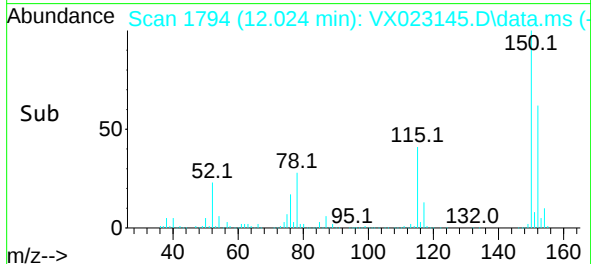
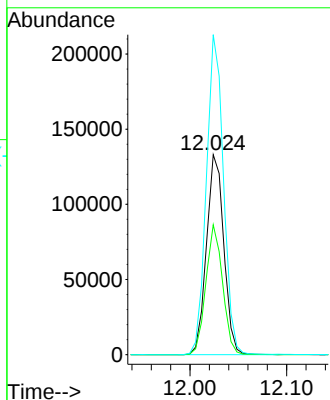
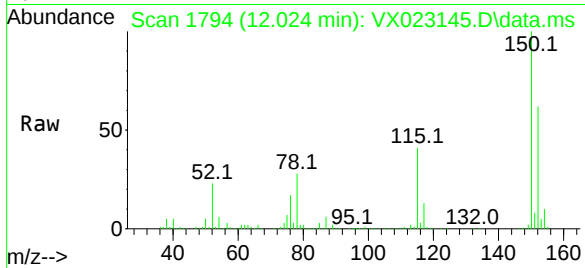




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023145.D
 Acq: 06 Jul 2021 14:55

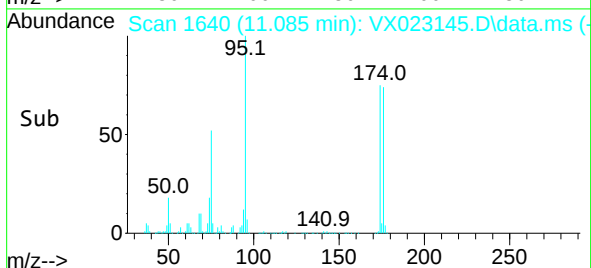
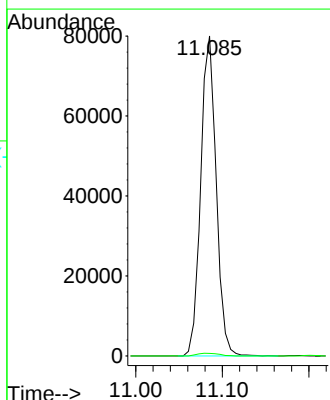
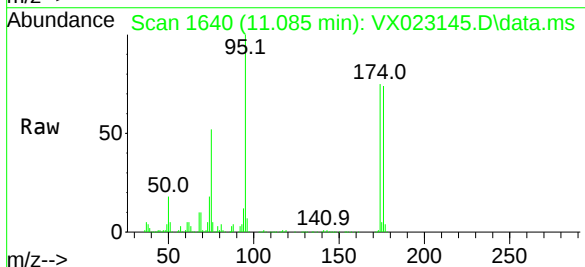
Instrument :
 MSVOA_X
 ClientSampled :

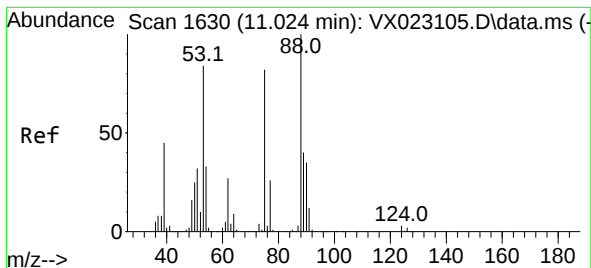
Tgt Ion:152 Resp: 166278
 Ion Ratio Lower Upper
 152 100
 115 62.5 41.1 123.3
 150 157.8 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.675 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023145.D
 Acq: 06 Jul 2021 14:55

Tgt Ion: 75 Resp: 99295
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

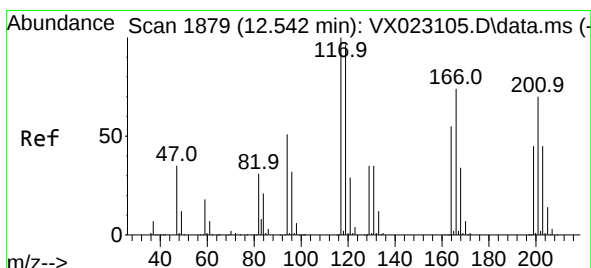
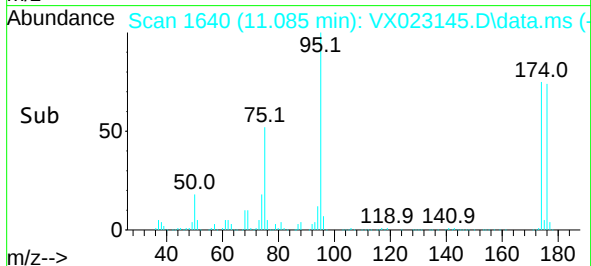
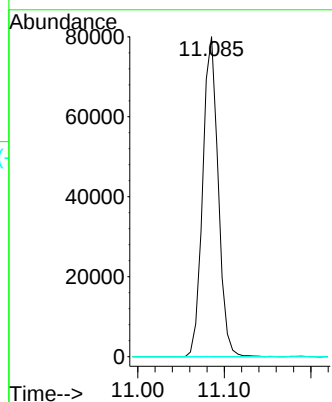
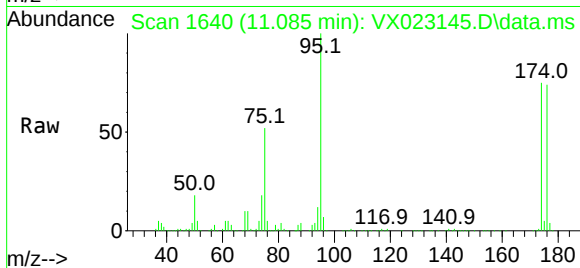




#81
trans-1,4-Dichloro-2-butene
Concen: 79.730 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

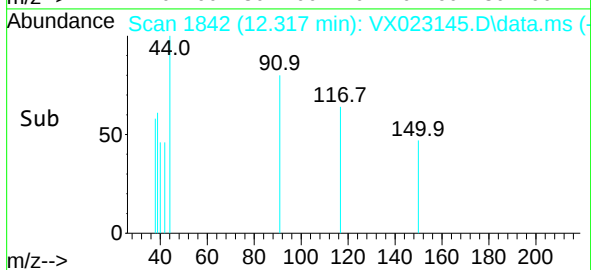
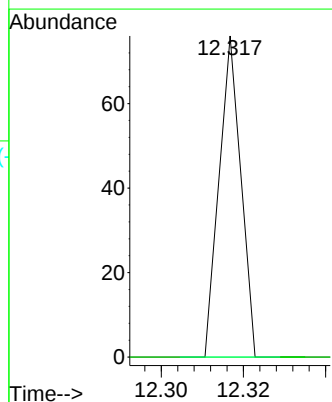
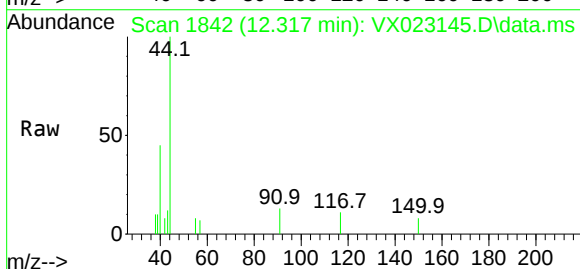
Instrument :
MSVOA_X
ClientSampleId :

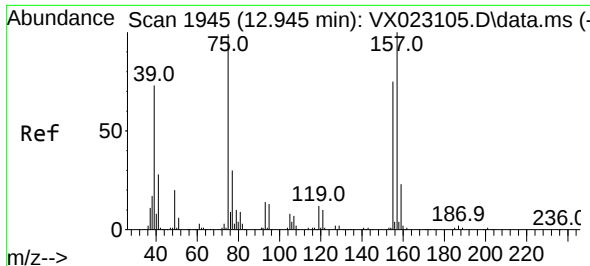
Tgt Ion: 75 Resp: 99295
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#90
Hexachloroethane
Concen: 3.010 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.225 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

Tgt Ion: 117 Resp: 28
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#

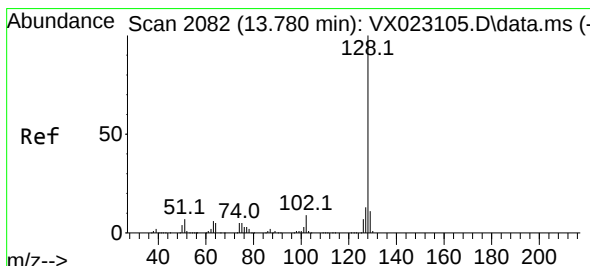
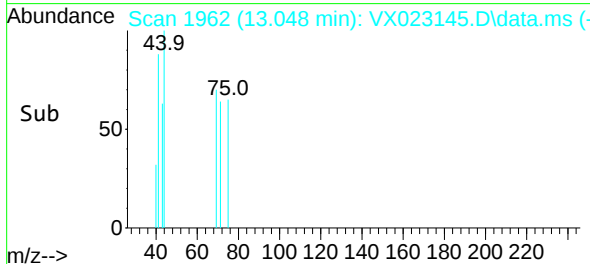
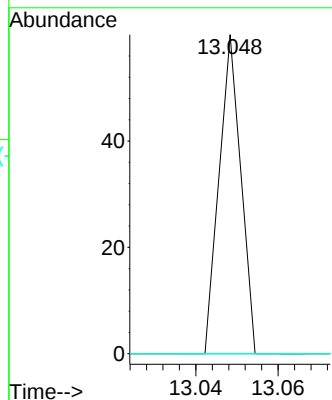
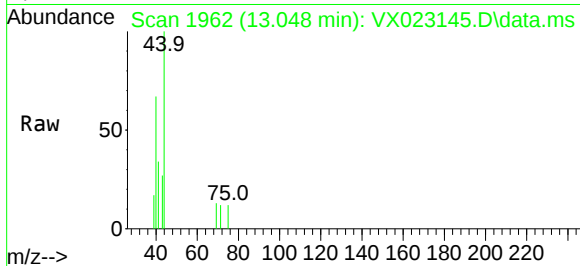




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.593 ug/l
RT: 13.048 min Scan# 1962
Delta R.T. 0.103 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 22
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#



#95
Naphthalene
Concen: 1.325 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023145.D
Acq: 06 Jul 2021 14:55

Tgt Ion: 128 Resp: 633
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

