

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071321\
 Data File : VX023255.D
 Acq On : 13 Jul 2021 11:27
 Operator : JC/MD
 Sample : VX0713WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 14 04:51:42 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	5.556	168	227241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	367463	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	321963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131582	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	152771	50.021	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.040%	
35) Dibromofluoromethane	5.397	113	119171	50.221	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.440%	
50) Toluene-d8	8.653	98	434214	49.055	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.120%	
62) 4-Bromofluorobenzene	11.085	95	152994	44.772	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.540%	

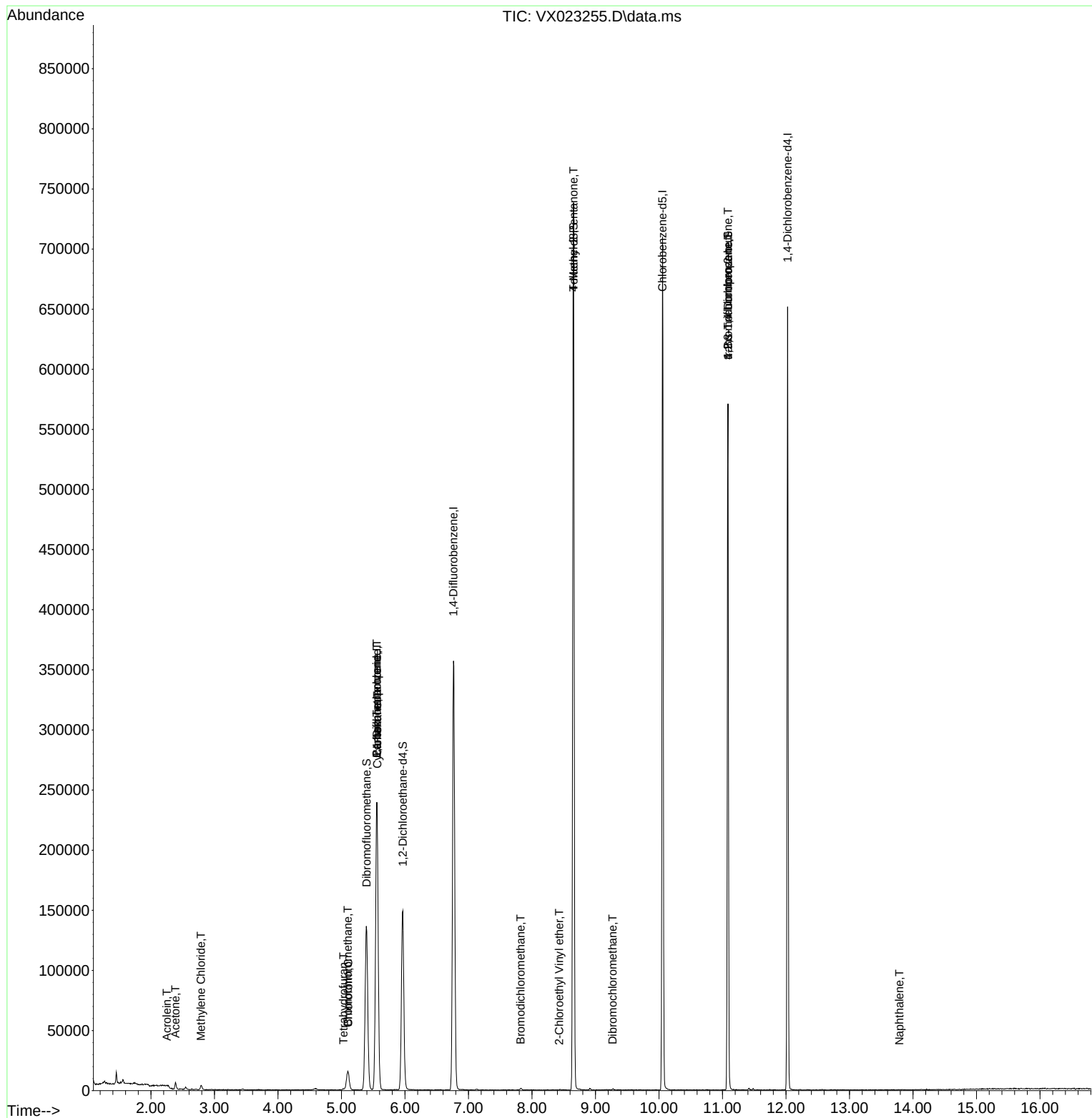
Target Compounds			Qvalue			
5) Bromomethane	1.618	94	305	Below Cal	#	45
13) Acrolein	2.252	56	114	0.266	ug/l #	1
16) Acetone	2.386	43	5494	4.547	ug/l #	77
20) Methylene Chloride	2.788	84	1558	0.599	ug/l #	88
28) Bromochloromethane	5.099	49	1590	0.799	ug/l #	9
29) Tetrahydrofuran	5.032	42	638	0.545	ug/l #	47
30) Chloroform	5.105	83	18790	4.148	ug/l	95
31) Cyclohexane	5.562	56	4593	1.256	ug/l #	10
36) 1,1-Dichloropropene	5.556	75	16972	5.181	ug/l #	51
38) Carbon Tetrachloride	5.556	117	23780	6.955	ug/l #	16
47) Bromodichloromethane	7.818	83	1142	0.353	ug/l #	84
51) 4-Methyl-2-Pentanone	8.653	43	1969	0.535	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.427	63	22	4.700	ug/l #	45
60) Dibromochloromethane	9.269	129	157	3.164	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	76821	29.012	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	76821	78.056	ug/l #	12
95) Naphthalene	13.786	128	141	1.290	ug/l #	69

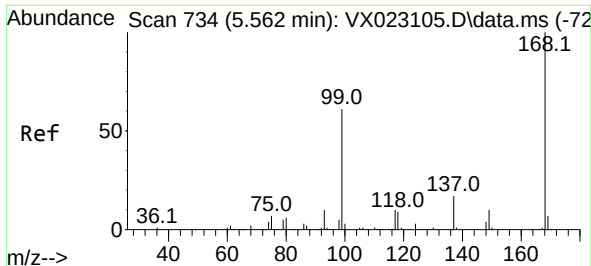
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Jul 14 04:51:42 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

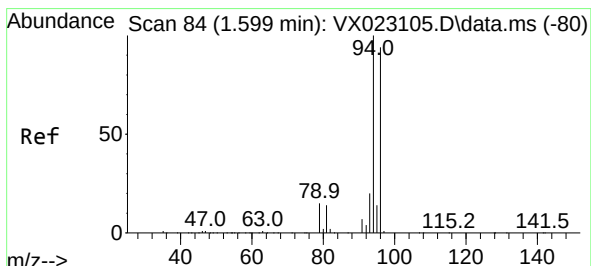
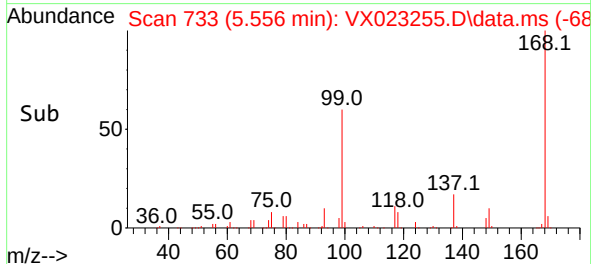
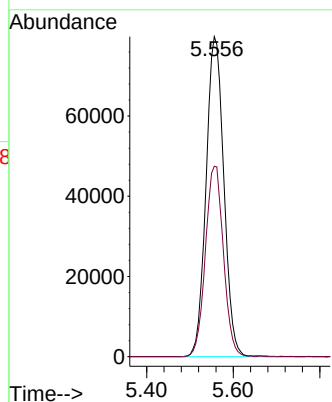
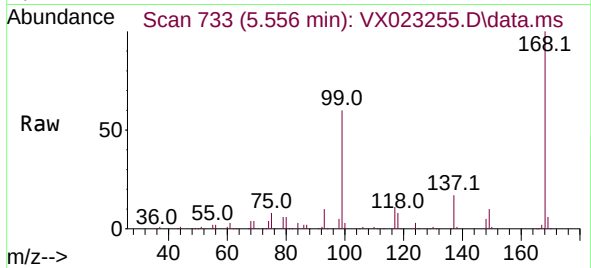




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.006 min
Lab File: VX023255.D
Acq: 13 Jul 2021 11:27

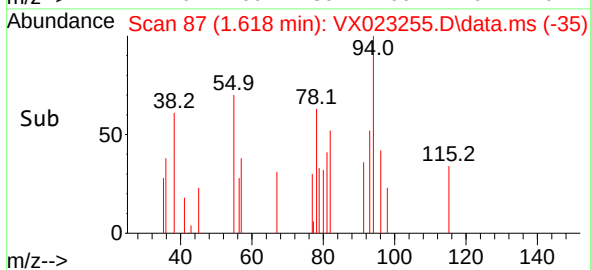
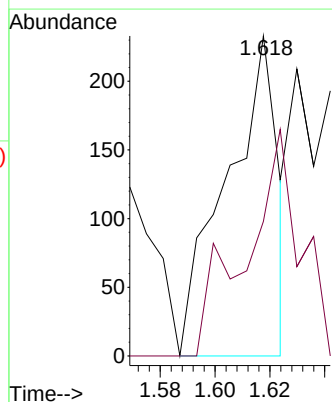
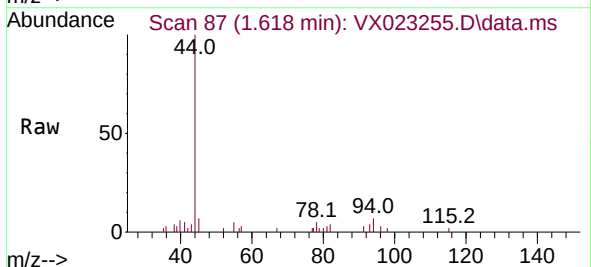
Instrument :
MSVOA_X
ClientSampleId :

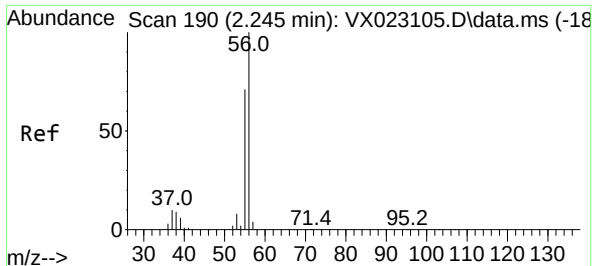
Tgt Ion:168 Resp: 227241
Ion Ratio Lower Upper
168 100
99 59.5 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023255.D
Acq: 13 Jul 2021 11:27

Tgt Ion: 94 Resp: 305
Ion Ratio Lower Upper
94 100
96 42.1 76.4 114.6#

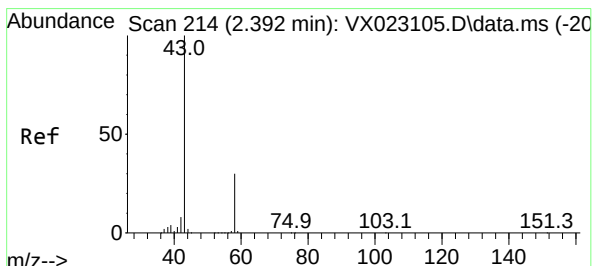
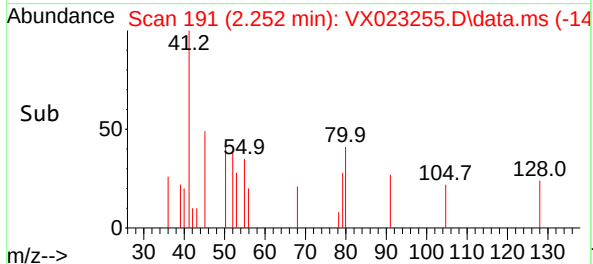
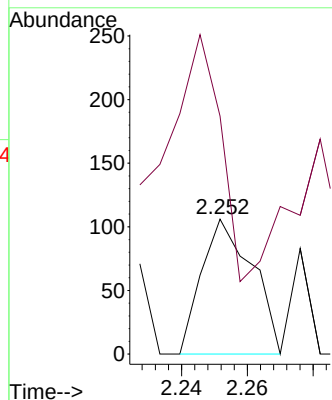
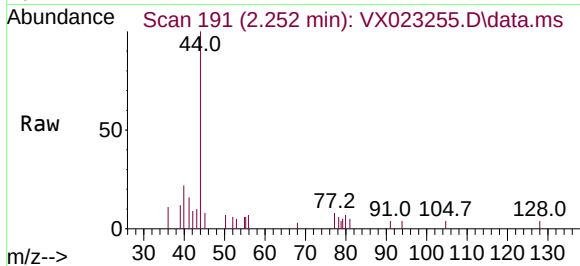




#13
Acrolein
Concen: 0.266 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.007 min
Lab File: VX023255.D
Acq: 13 Jul 2021 11:27

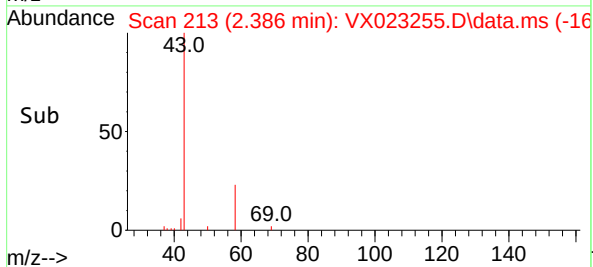
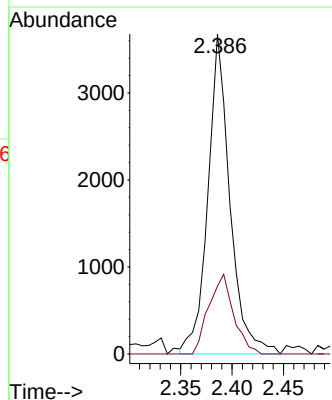
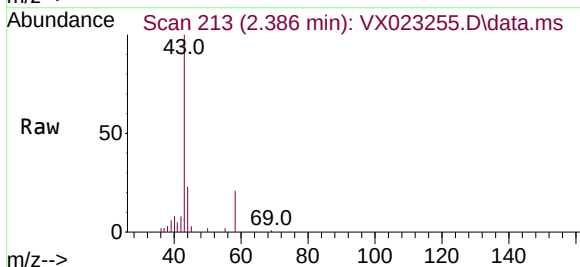
Instrument :
MSVOA_X
ClientSampleId :

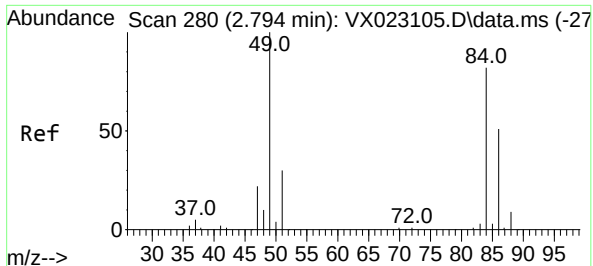
Tgt Ion: 56 Resp: 114
Ion Ratio Lower Upper
56 100
55 333.3 56.4 84.6#



#16
Acetone
Concen: 4.547 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023255.D
Acq: 13 Jul 2021 11:27

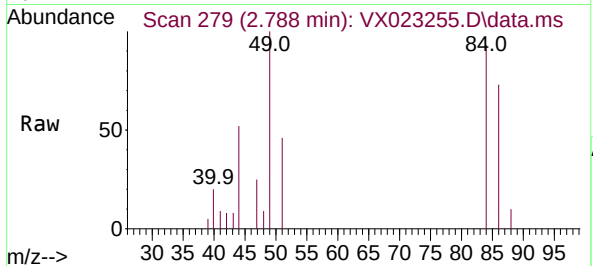
Tgt Ion: 43 Resp: 5494
Ion Ratio Lower Upper
43 100
58 21.2 27.8 41.8#



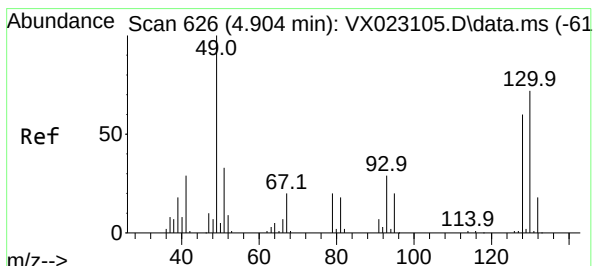
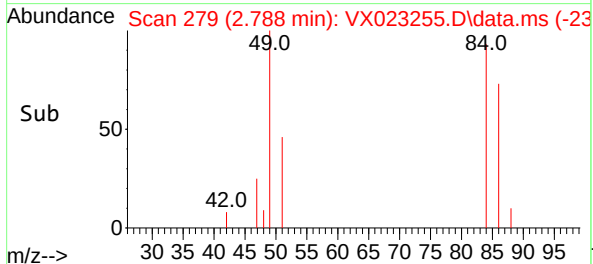
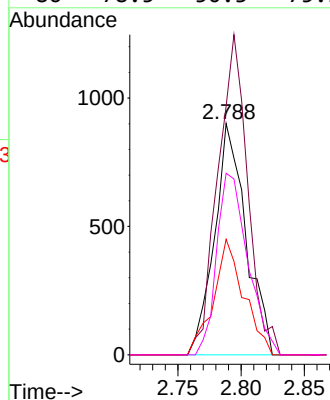


#20
Methylene Chloride
Concen: 0.599 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX023255.D
Acq: 13 Jul 2021 11:27

Instrument :
MSVOA_X
ClientSampleId :

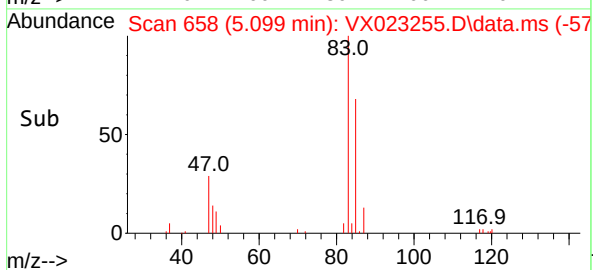
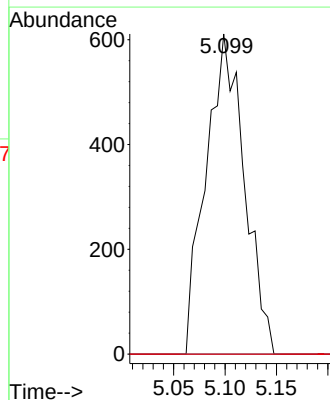
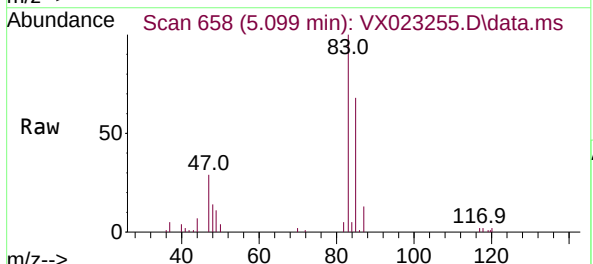


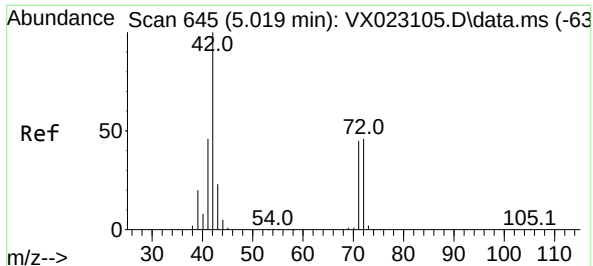
Tgt Ion: 84 Resp: 1558
Ion Ratio Lower Upper
84 100
49 107.4 88.6 132.8
51 49.9 27.0 40.6#
86 78.5 50.3 75.5#



#28
Bromochloromethane
Concen: 0.799 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.195 min
Lab File: VX023255.D
Acq: 13 Jul 2021 11:27

Tgt Ion: 49 Resp: 1590
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#





#29

Tetrahydrofuran

Concen: 0.545 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX023255.D

Acq: 13 Jul 2021 11:27

Tgt Ion: 42 Resp: 638

Ion Ratio Lower Upper

42 100

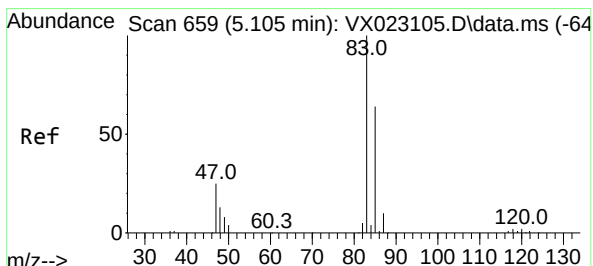
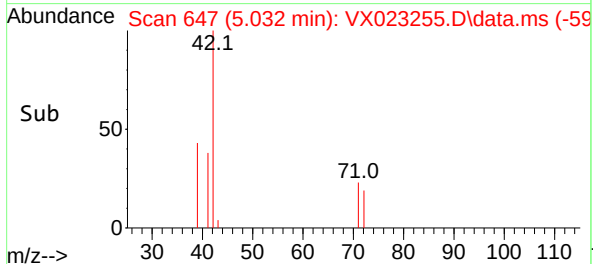
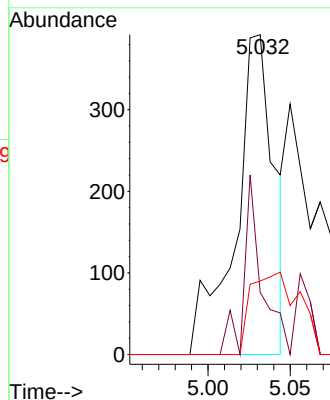
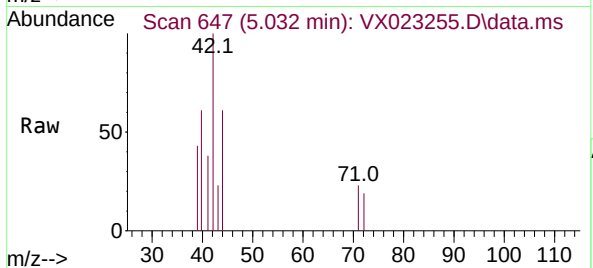
72 26.2 41.7 62.5#

71 0.0 38.4 57.6#

Instrument :

MSVOA_X

ClientSampled :



#30

Chloroform

Concen: 4.148 ug/l

RT: 5.105 min Scan# 659

Delta R.T. -0.000 min

Lab File: VX023255.D

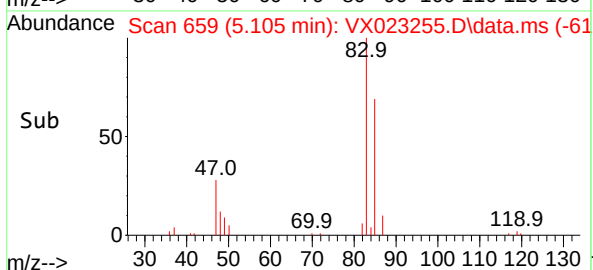
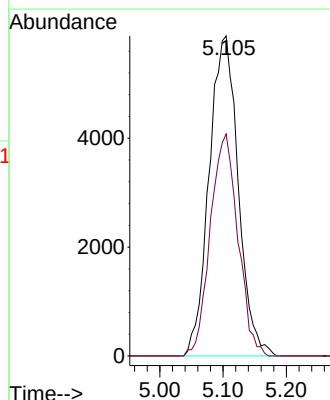
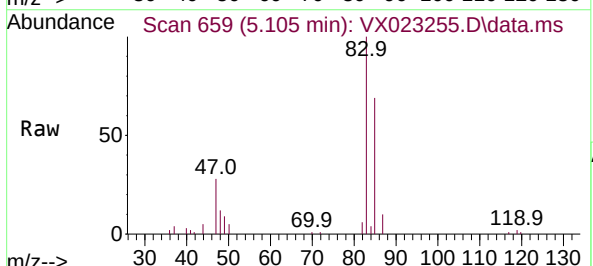
Acq: 13 Jul 2021 11:27

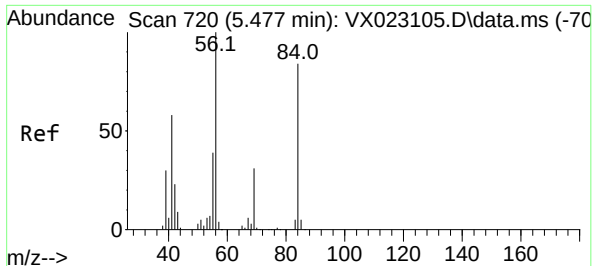
Tgt Ion: 83 Resp: 18790

Ion Ratio Lower Upper

83 100

85 69.3 52.0 78.0

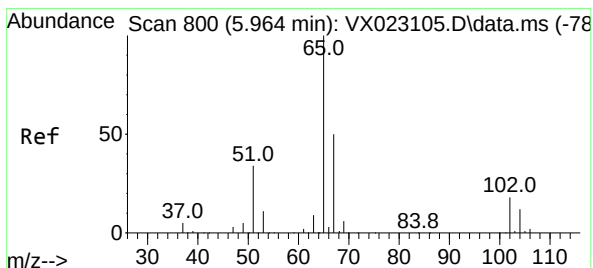
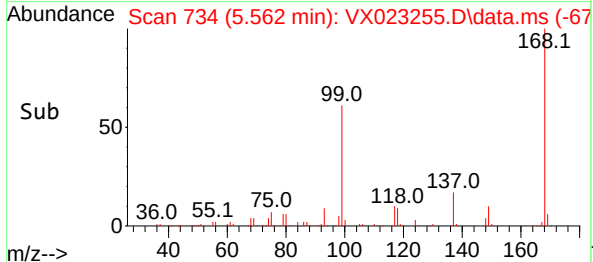
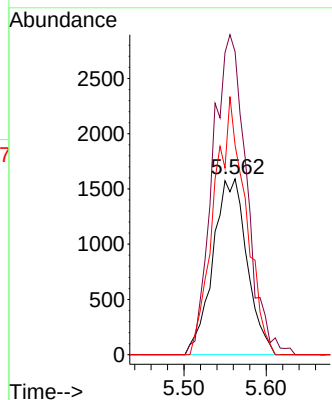
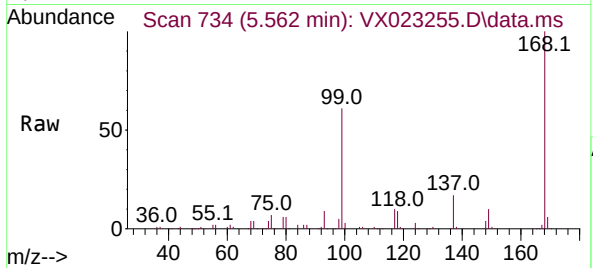




#31
Cyclohexane
Concen: 1.256 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023255.D
Acq: 13 Jul 2021 11:27

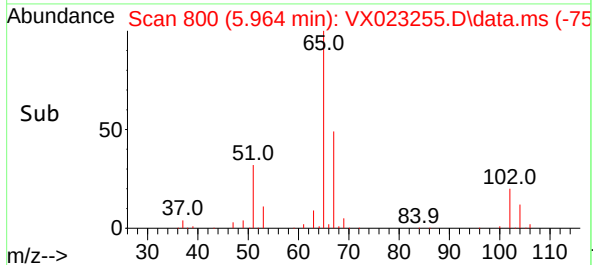
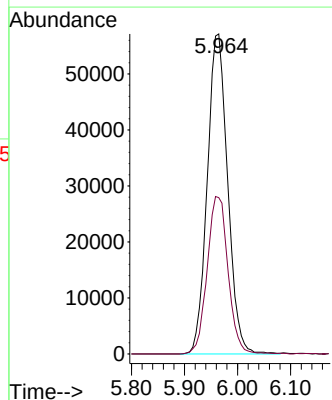
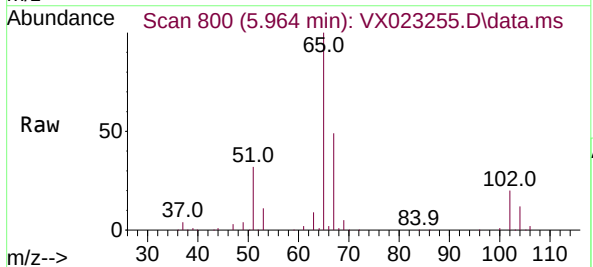
Instrument :
MSVOA_X
ClientSampled :

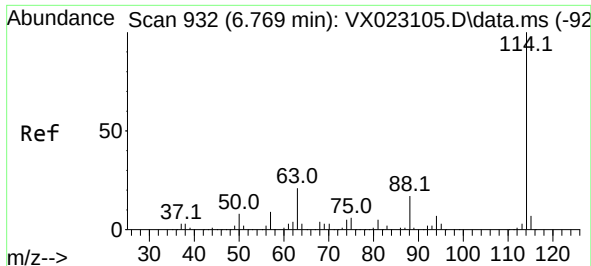
Tgt Ion: 56 Resp: 4593
Ion Ratio Lower Upper
56 100
69 172.3 25.3 37.9#
84 119.2 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 50.021 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023255.D
Acq: 13 Jul 2021 11:27

Tgt Ion: 65 Resp: 152771
Ion Ratio Lower Upper
65 100
67 50.4 0.0 105.4

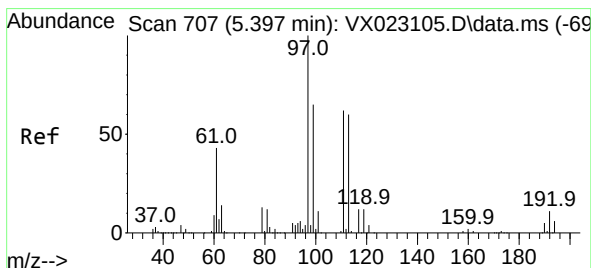
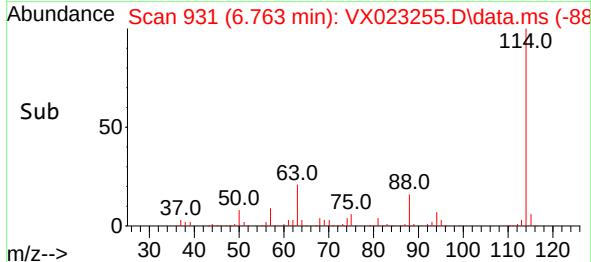
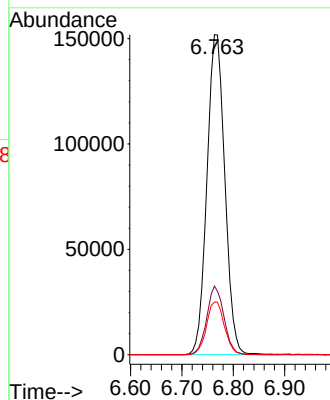
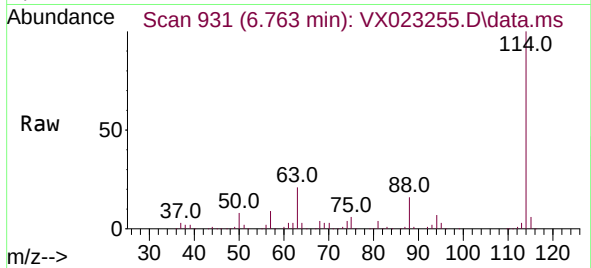




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX023255.D
Acq: 13 Jul 2021 11:27

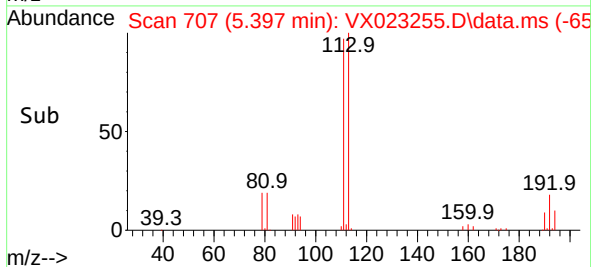
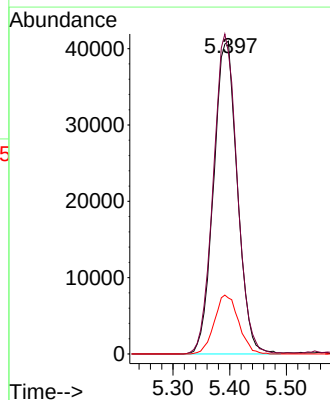
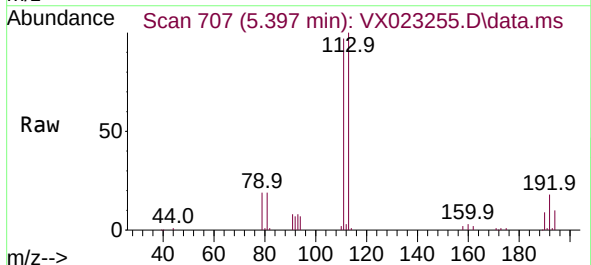
Instrument :
MSVOA_X
ClientSampleId :

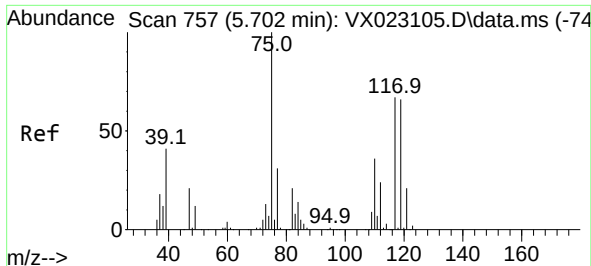
Tgt Ion:114 Resp: 367463
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.221 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023255.D
Acq: 13 Jul 2021 11:27

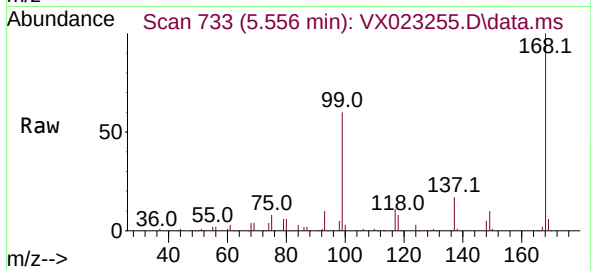
Tgt Ion:113 Resp: 119171
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 19.2 16.7 25.1



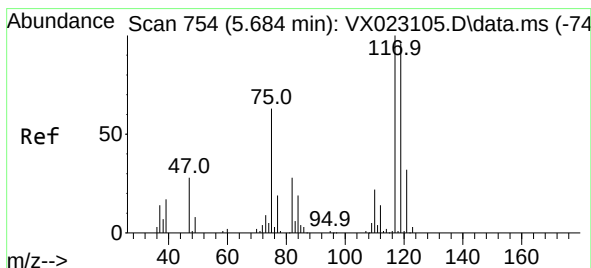
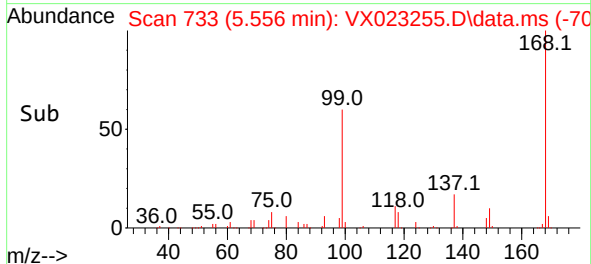
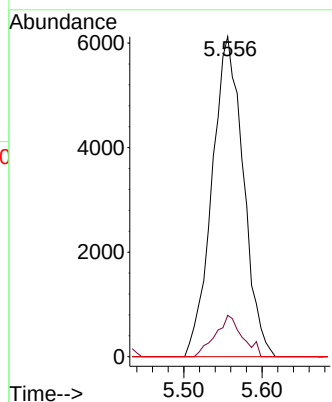


#36
1,1-Dichloropropene
Concen: 5.181 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023255.D
Acq: 13 Jul 2021 11:27

Instrument :
MSVOA_X
ClientSampleId :

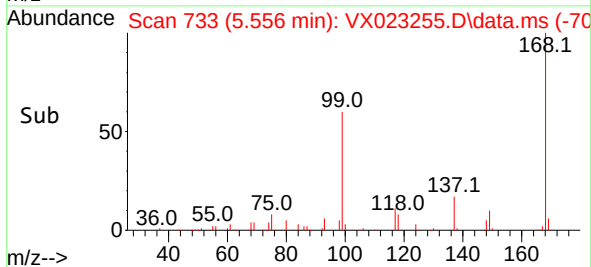
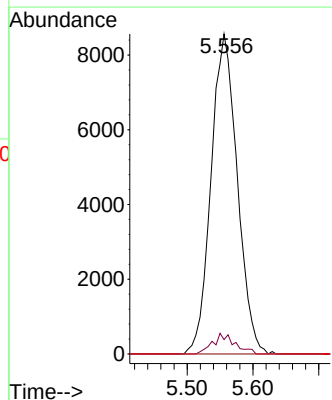
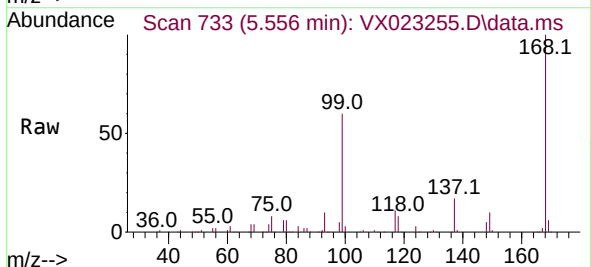


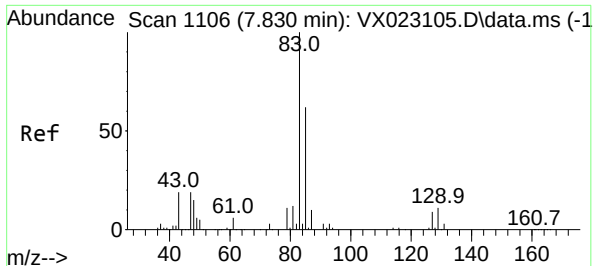
Tgt Ion: 75 Resp: 16972
Ion Ratio Lower Upper
75 100
110 11.1 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.955 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023255.D
Acq: 13 Jul 2021 11:27

Tgt Ion: 117 Resp: 23780
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#





#47

Bromodichloromethane

Concen: 0.353 ug/l

RT: 7.818 min Scan# 1104

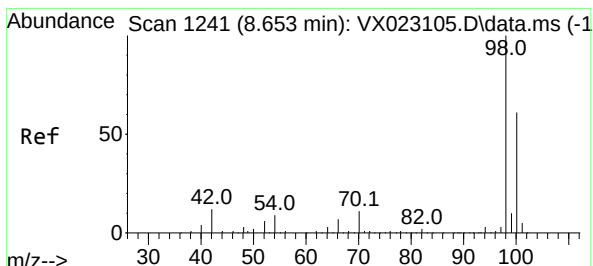
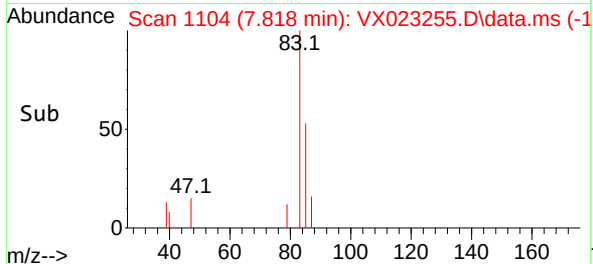
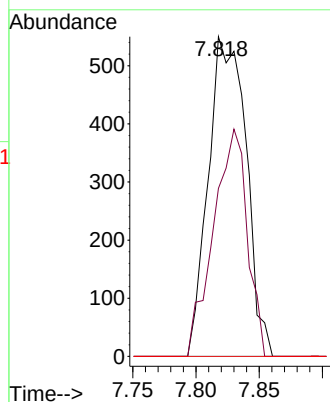
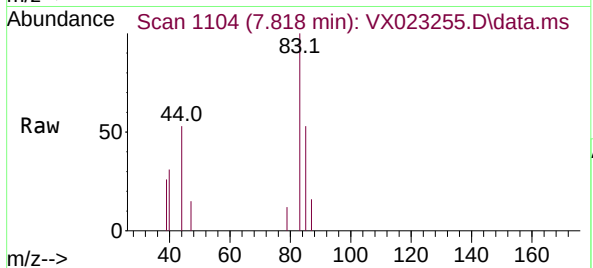
Delta R.T. -0.012 min

Lab File: VX023255.D

Acq: 13 Jul 2021 11:27

Tgt Ion: 83	Resp:	1142
Ion	Ratio	Lower Upper
83	100	
85	52.5	51.4 77.0
127	0.0	6.8 10.2#

Instrument :
MSVOA_X
ClientSampleId :



#50

Toluene-d8

Concen: 49.055 ug/l

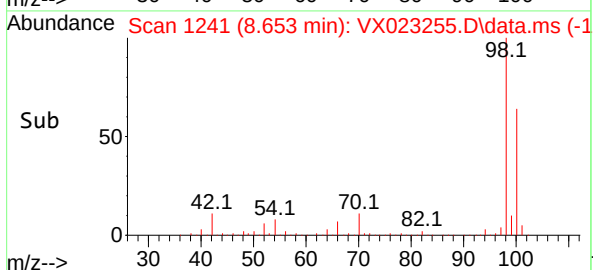
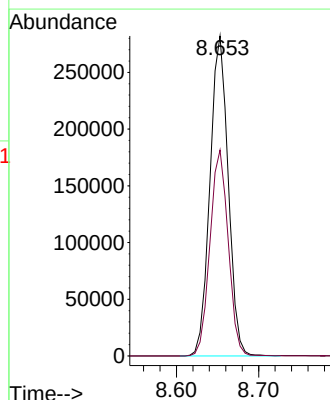
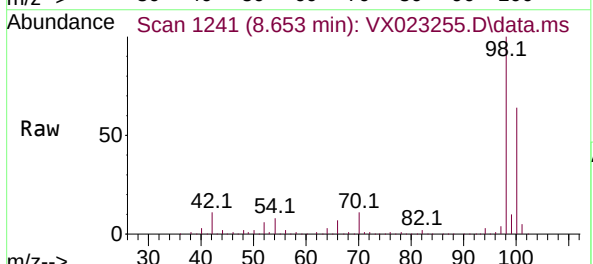
RT: 8.653 min Scan# 1241

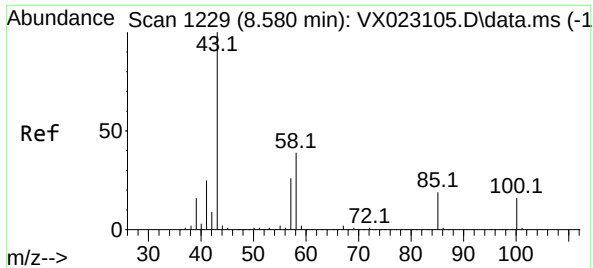
Delta R.T. -0.000 min

Lab File: VX023255.D

Acq: 13 Jul 2021 11:27

Tgt Ion: 98	Resp:	434214
Ion	Ratio	Lower Upper
98	100	
100	64.3	51.9 77.9

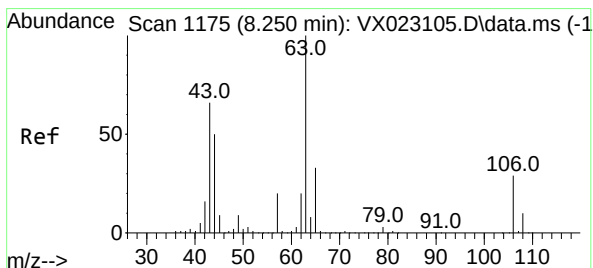
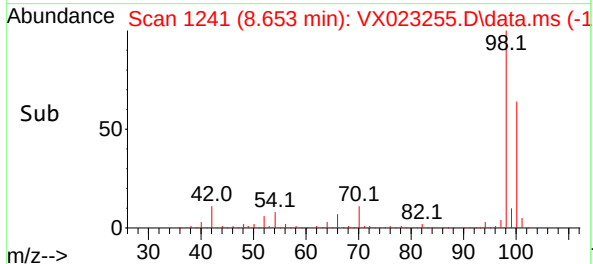
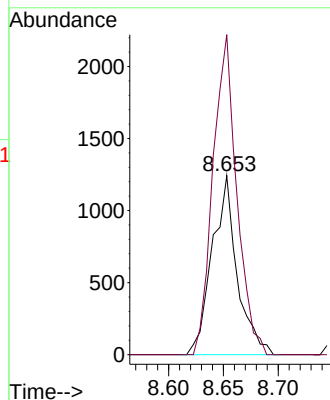
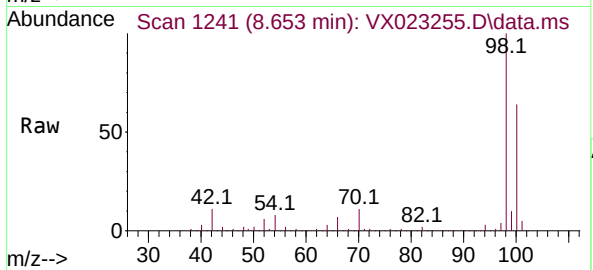




#51
4-Methyl-2-Pentanone
Concen: 0.535 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023255.D
Acq: 13 Jul 2021 11:27

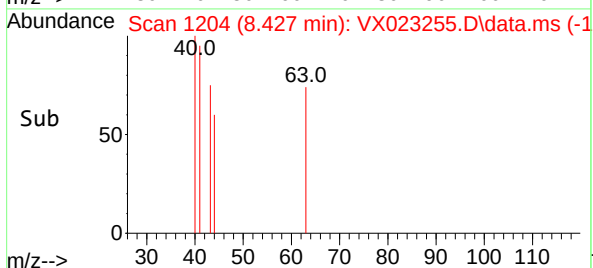
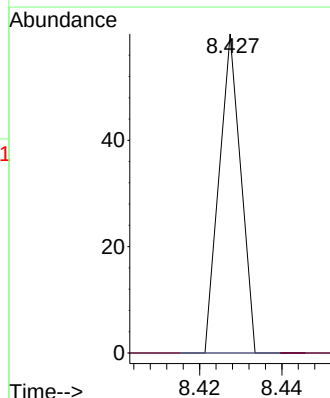
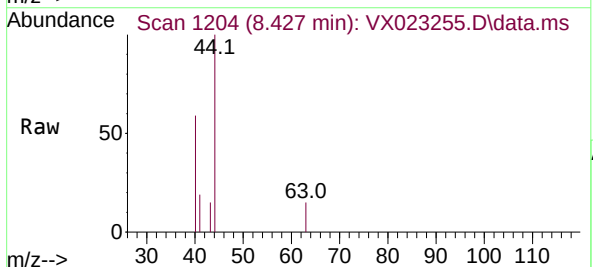
Instrument :
MSVOA_X
ClientSampled :

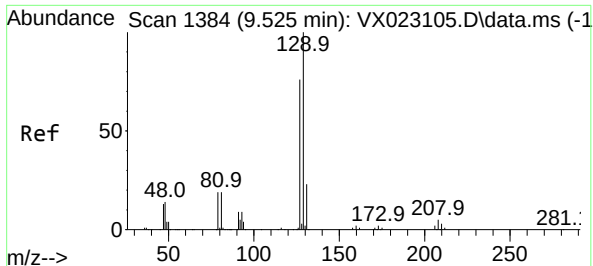
Tgt Ion: 43 Resp: 1969
Ion Ratio Lower Upper
43 100
58 170.8 35.4 53.0#



#58
2-Chloroethyl Vinyl ether
Concen: 4.700 ug/l
RT: 8.427 min Scan# 1204
Delta R.T. 0.177 min
Lab File: VX023255.D
Acq: 13 Jul 2021 11:27

Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#





#60

Dibromochloromethane

Concen: 3.164 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.256 min

Lab File: VX023255.D

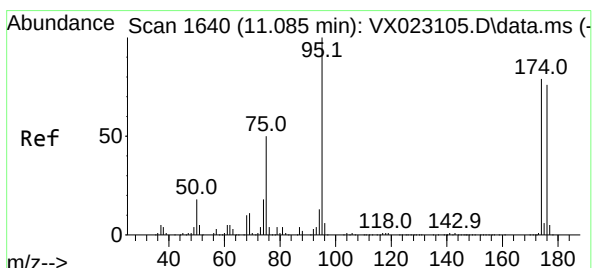
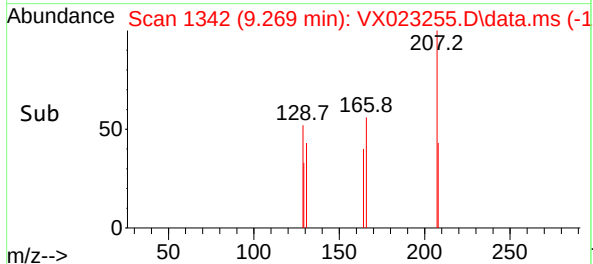
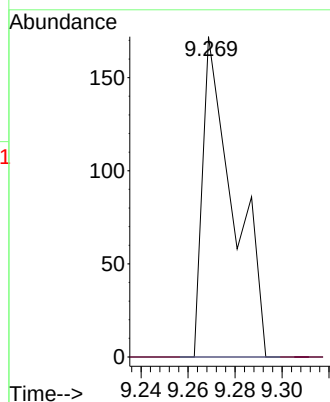
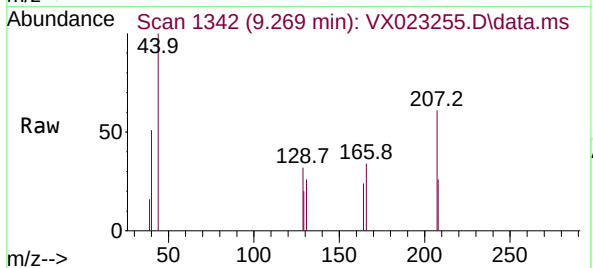
Acq: 13 Jul 2021 11:27

Tgt Ion:129 Resp: 157

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 44.772 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX023255.D

Acq: 13 Jul 2021 11:27

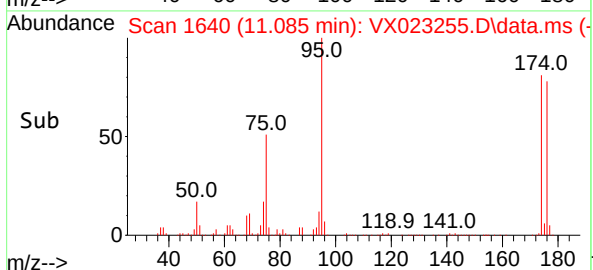
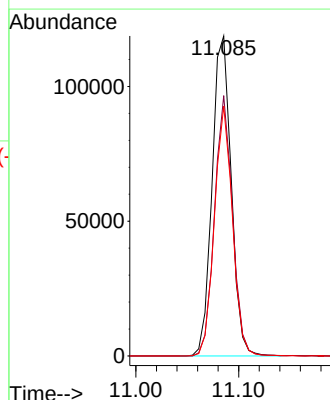
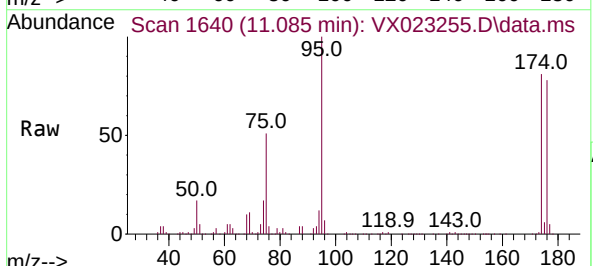
Tgt Ion: 95 Resp: 152994

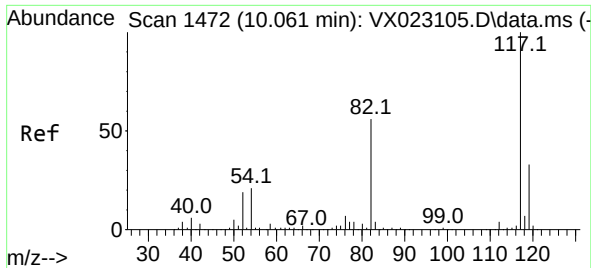
Ion Ratio Lower Upper

95 100

174 76.7 0.0 154.6

176 73.8 0.0 155.8

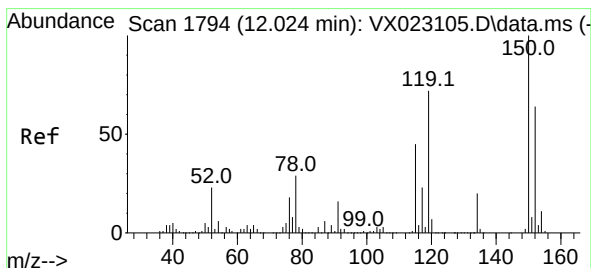
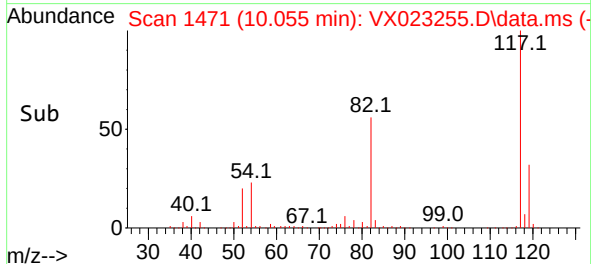
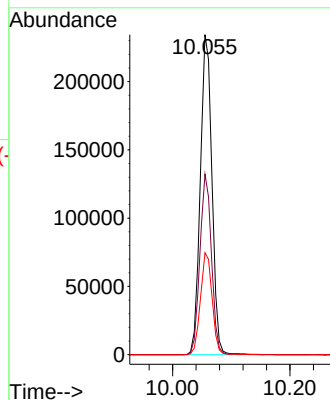
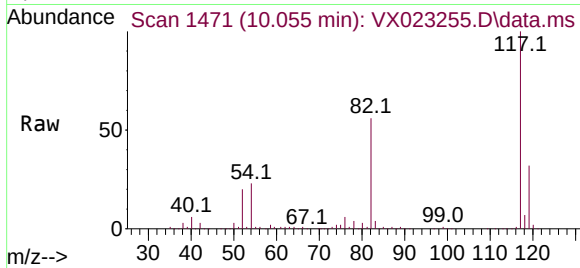




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023255.D
Acq: 13 Jul 2021 11:27

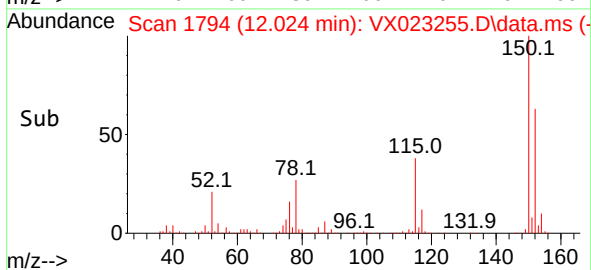
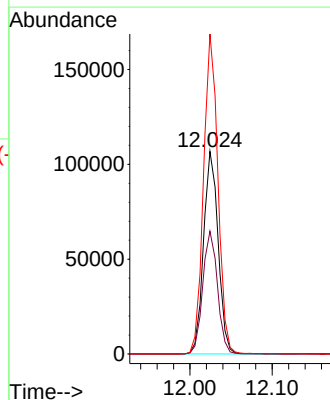
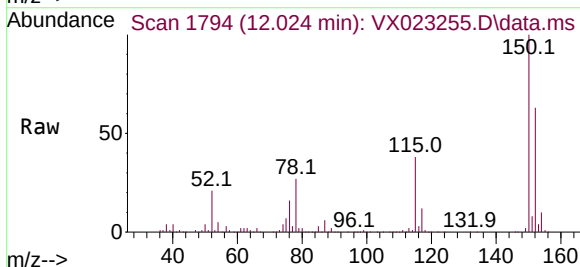
Instrument :
MSVOA_X
ClientSampleId :

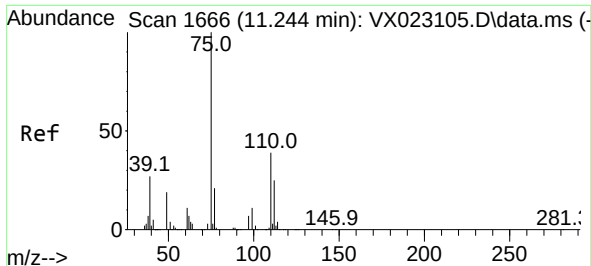
Tgt Ion:117 Resp: 321963
Ion Ratio Lower Upper
117 100
82 56.4 47.4 71.2
119 31.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023255.D
Acq: 13 Jul 2021 11:27

Tgt Ion:152 Resp: 131582
Ion Ratio Lower Upper
152 100
115 61.1 41.1 123.3
150 155.7 0.0 349.0

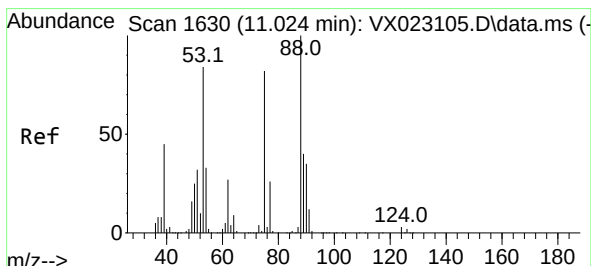
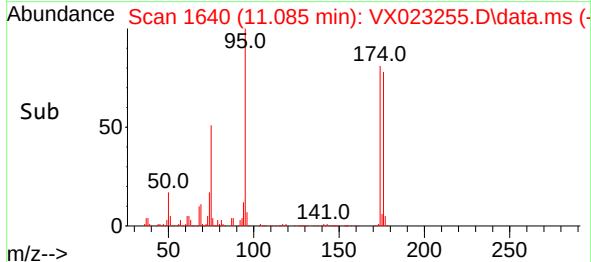
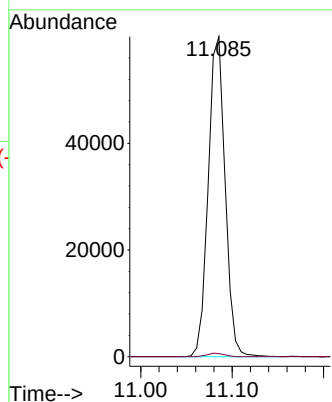
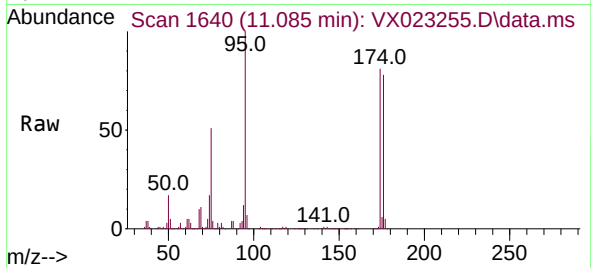




#76
1,2,3-Trichloropropane
Concen: 29.012 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023255.D
Acq: 13 Jul 2021 11:27

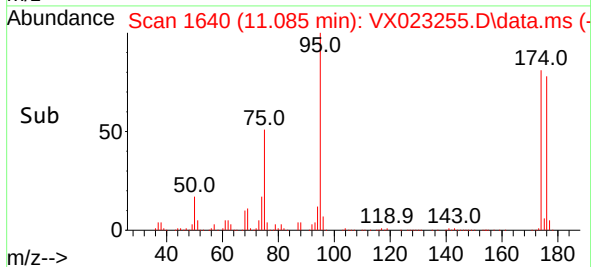
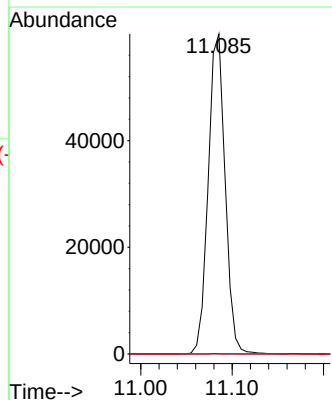
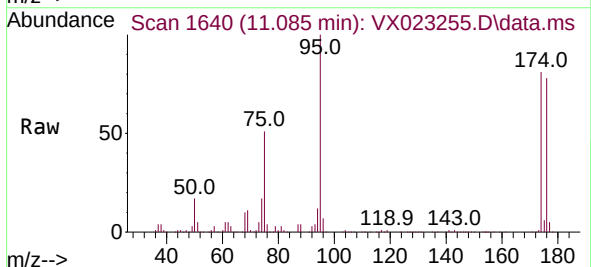
Instrument :
MSVOA_X
ClientSampled :

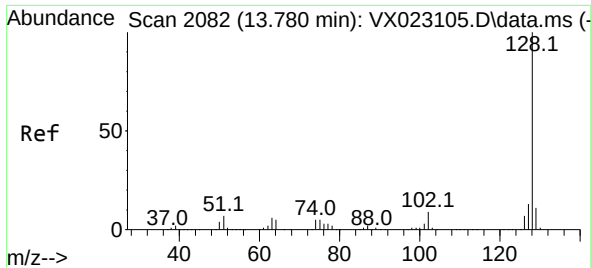
Tgt Ion: 75 Resp: 76821
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.056 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023255.D
Acq: 13 Jul 2021 11:27

Tgt Ion: 75 Resp: 76821
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.290 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023255.D
Acq: 13 Jul 2021 11:27

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 141
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

