

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062421\
 Data File : VX022903.D
 Acq On : 25 Jun 2021 05:54
 Operator : JC/MD
 Sample : M2838-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 25 08:09:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

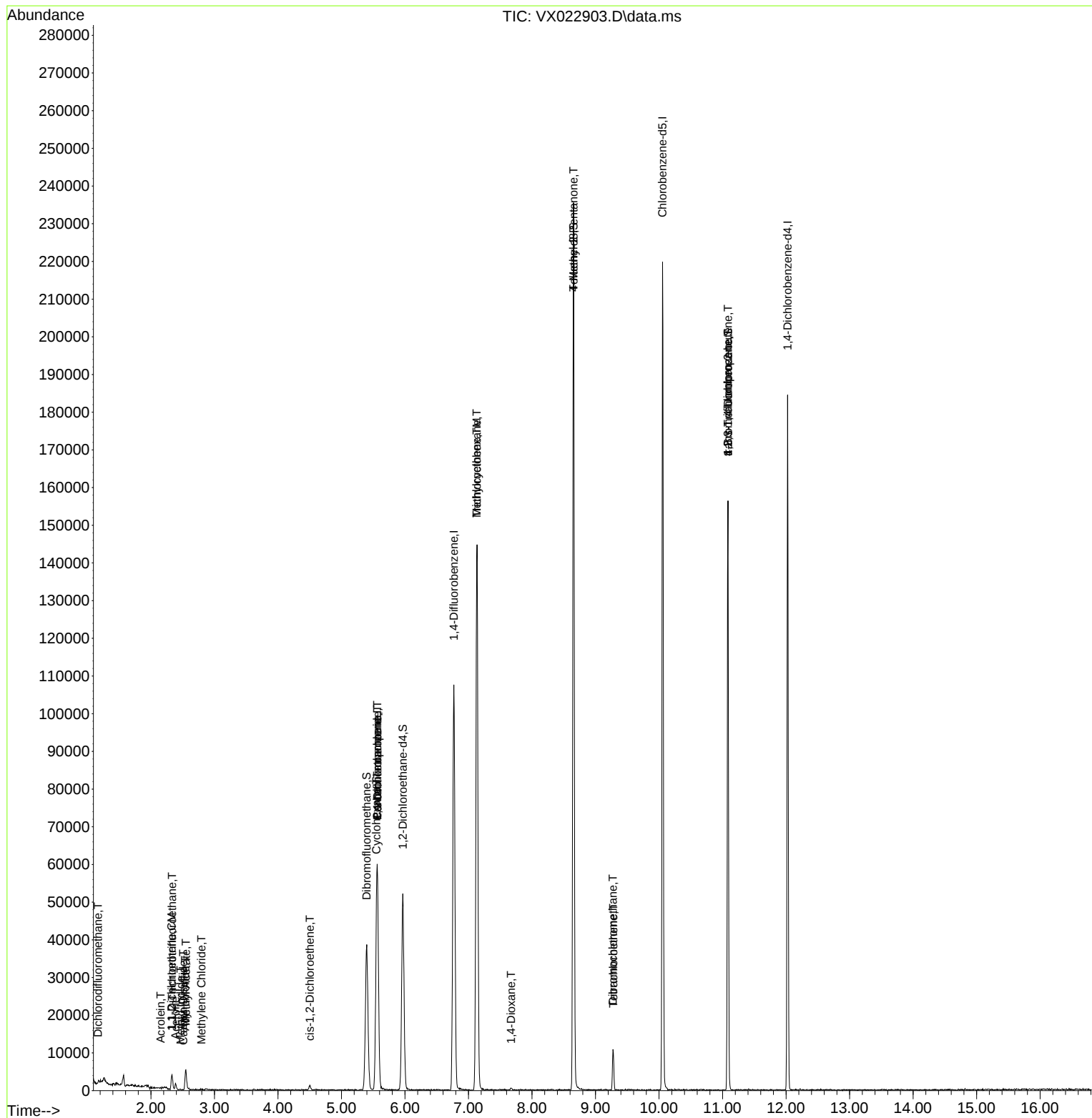
Internal Standards						
1) Pentafluorobenzene	5.562	168	50261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	102402	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	91797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	32426	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	46002	50.43	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.86%			
35) Dibromofluoromethane	5.397	113	31811	48.92	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.84%			
50) Toluene-d8	8.653	98	128922	50.59	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.18%			
62) 4-Bromofluorobenzene	11.085	95	42966	45.17	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.34%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	229	0.32	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	2.331	101	1400	2.14	ug/l #	87
10) Methyl Iodide	2.465	142	20	3.90	ug/l #	42
12) 1,1-Dichloroethene	2.325	96	361	0.55	ug/l #	66
13) Acrolein	2.154	56	26	0.22	ug/l #	14
14) Allyl chloride	2.538	41	567	0.46	ug/l #	6
16) Acetone	2.386	43	1433	3.54	ug/l #	86
17) Carbon Disulfide	2.508	76	20	3.53	ug/l #	75
18) Methyl Acetate	2.550	43	1765	1.77	ug/l #	47
20) Methylene Chloride	2.794	84	107	0.50	ug/l #	10
27) cis-1,2-Dichloroethene	4.501	96	562	0.70	ug/l	87
31) Cyclohexane	5.550	56	1463	1.14	ug/l #	39
36) 1,1-Dichloropropene	5.562	75	5173	4.76	ug/l #	43
38) Carbon Tetrachloride	5.562	117	6162	6.75	ug/l #	16
39) Methylcyclohexane	7.129	83	703	0.55	ug/l #	1
44) Trichloroethene	7.129	130	50726	68.20	ug/l	94
49) 1,4-Dioxane	7.671	88	273	13.53	ug/l #	61
51) 4-Methyl-2-Pentanone	8.653	43	753	0.60	ug/l #	1
60) Dibromochloromethane	9.275	129	1972	6.10	ug/l #	11
64) Tetrachloroethene	9.281	164	1857	2.88	ug/l #	88
76) 1,2,3-Trichloropropane	11.085	75	22827	26.65	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	22827	69.12	ug/l #	12

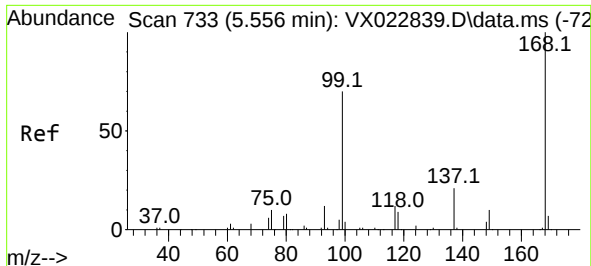
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 23 19:12:26 2021
Response via : Initial Calibration

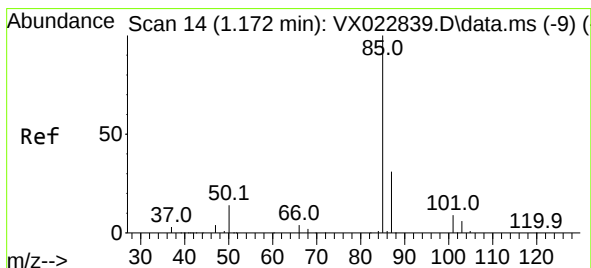
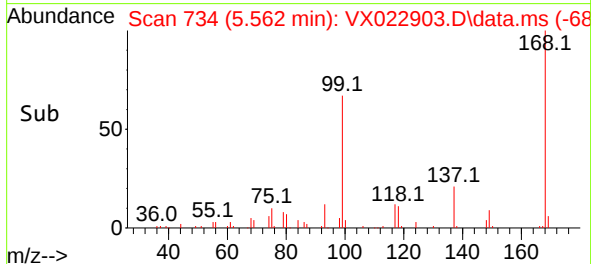
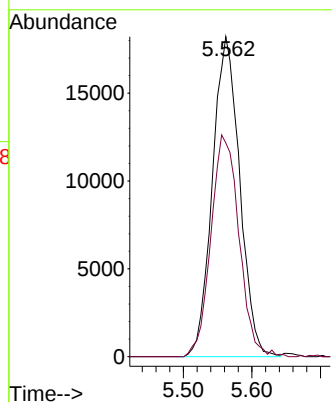
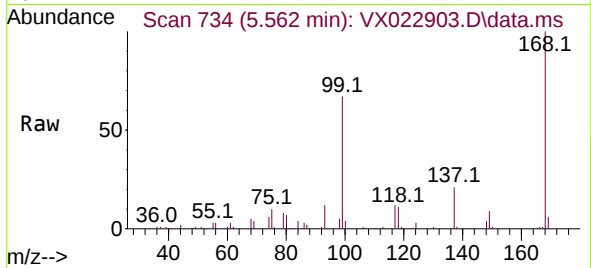




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

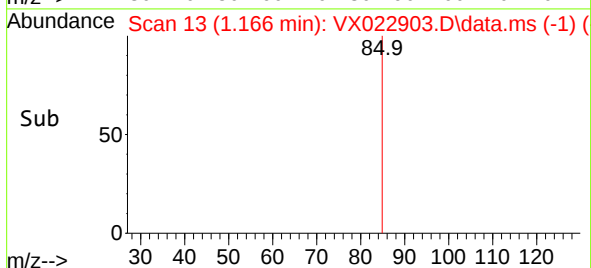
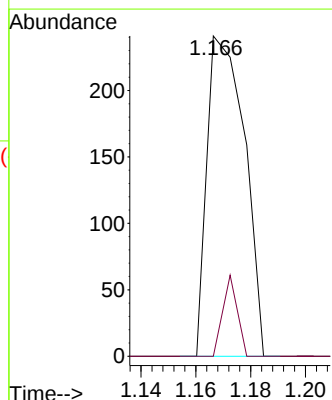
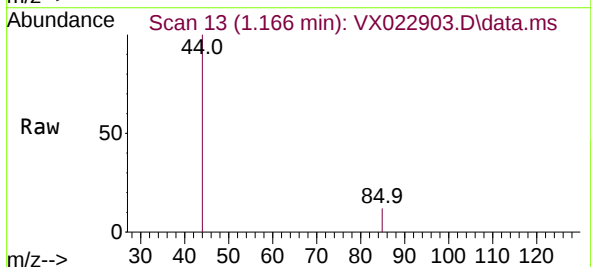
Instrument :
MSVOA_X
ClientSampleId :

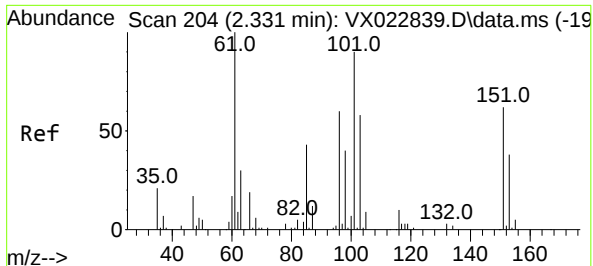
Tgt Ion:168 Resp: 50261
Ion Ratio Lower Upper
168 100
99 66.8 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.32 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

Tgt Ion: 85 Resp: 229
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

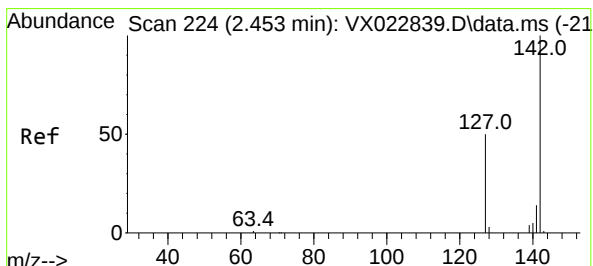
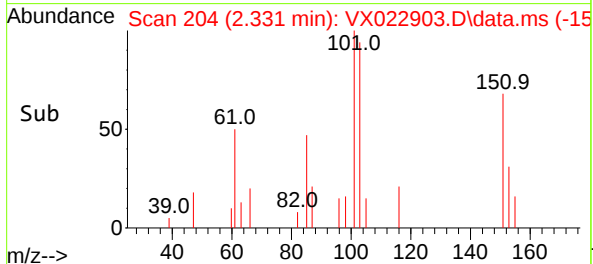
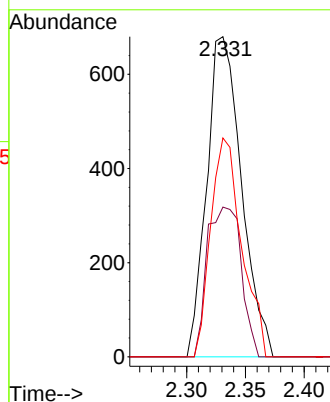
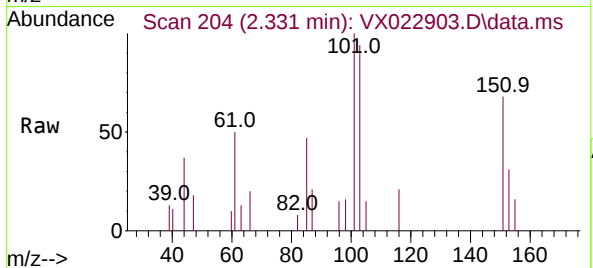




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.14 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

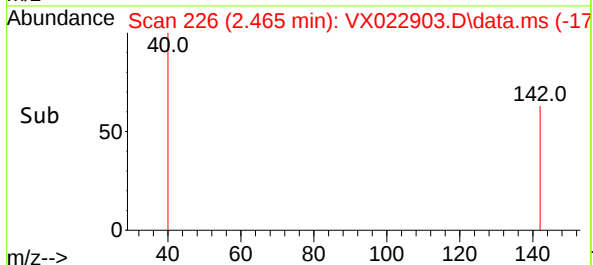
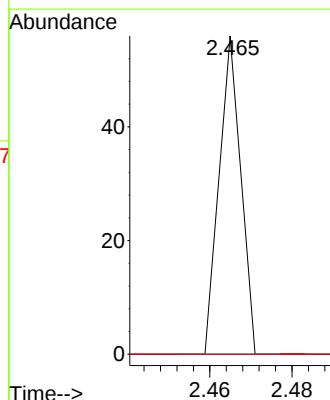
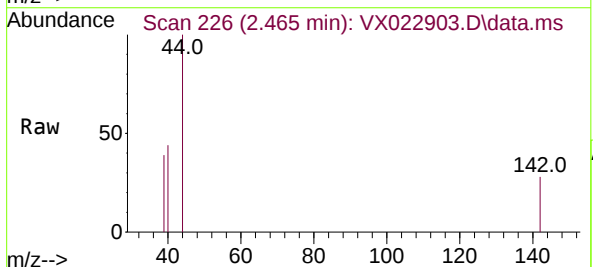
Instrument :
MSVOA_X
ClientSampleId :

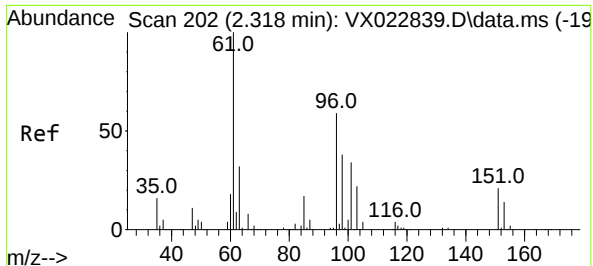
Tgt Ion:101 Resp: 1400
Ion Ratio Lower Upper
101 100
85 45.7 34.9 52.3
151 61.0 61.4 92.2#



#10
Methyl Iodide
Concen: 3.90 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

Tgt Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#





#12

1,1-Dichloroethene

Concen: 0.55 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.007 min

Lab File: VX022903.D

Acq: 25 Jun 2021 05:54

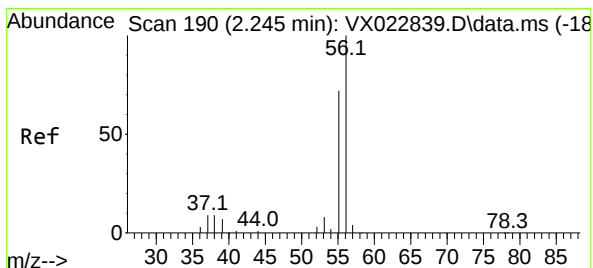
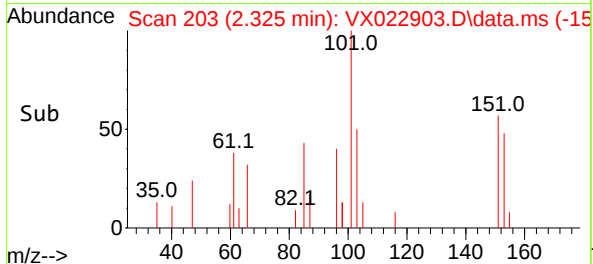
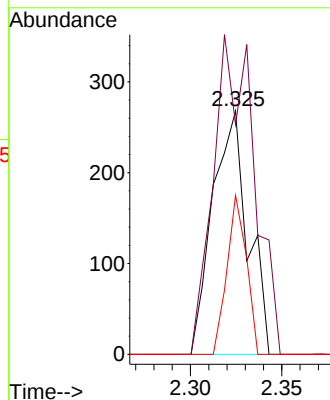
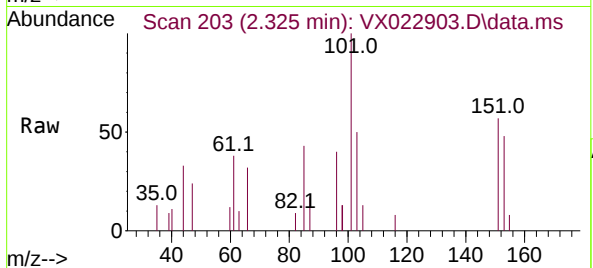
Tgt Ion: 96 Resp: 361

Ion Ratio Lower Upper

96 100

61 94.4 124.6 187.0#

98 65.3 50.6 76.0



#13

Acrolein

Concen: 0.22 ug/l

RT: 2.154 min Scan# 175

Delta R.T. -0.091 min

Lab File: VX022903.D

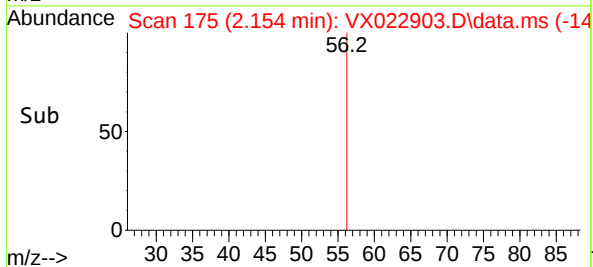
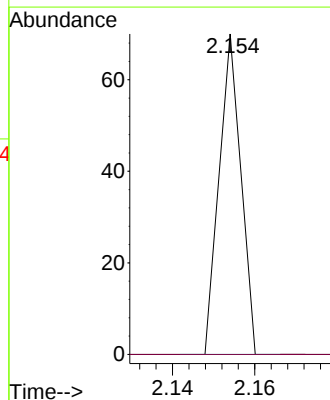
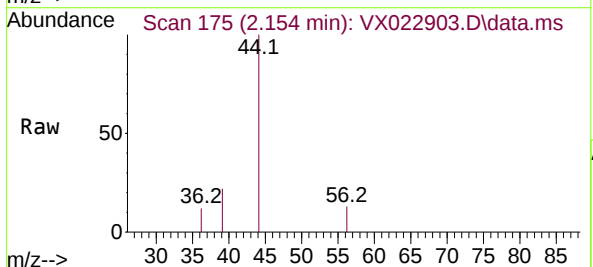
Acq: 25 Jun 2021 05:54

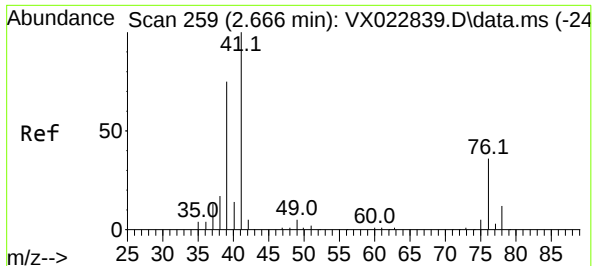
Tgt Ion: 56 Resp: 26

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#





#14

Allyl chloride

Concen: 0.46 ug/l

RT: 2.538 min Scan# 238

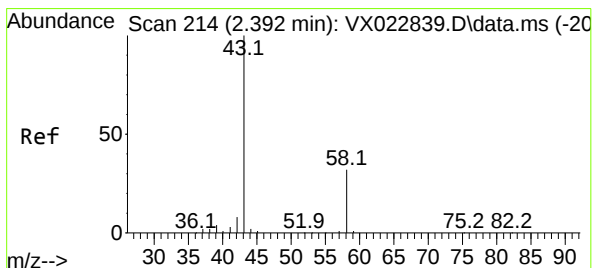
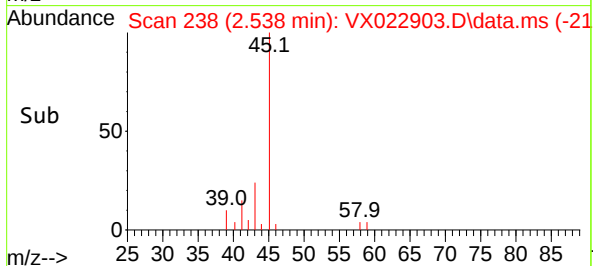
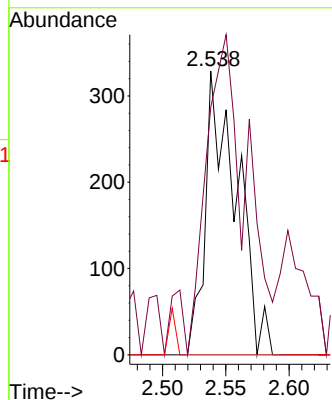
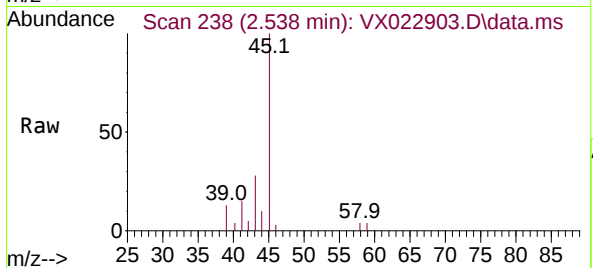
Delta R.T. -0.128 min

Lab File: VX022903.D

Acq: 25 Jun 2021 05:54

Tgt Ion: 41	Resp: 567
Ion Ratio	Lower Upper
41 100	
39 152.4	51.6 77.4#
76 0.0	30.5 45.7#

Instrument :
MSVOA_X
ClientSampled :



#16

Acetone

Concen: 3.54 ug/l

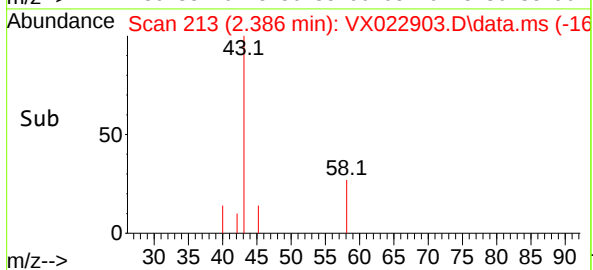
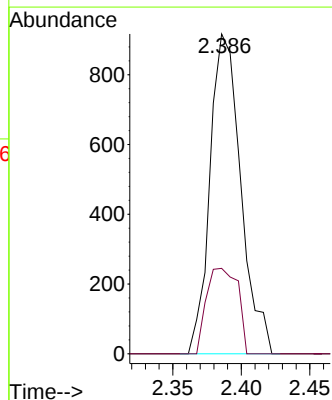
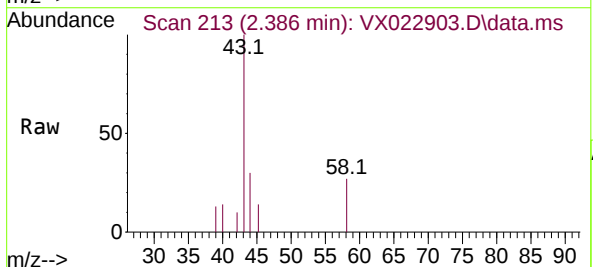
RT: 2.386 min Scan# 213

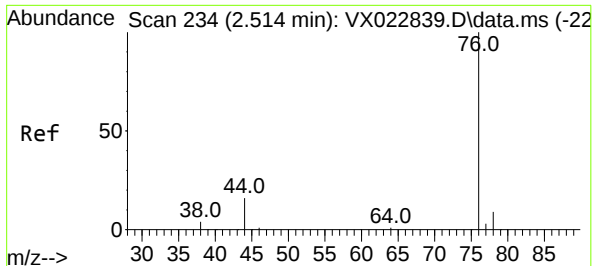
Delta R.T. -0.006 min

Lab File: VX022903.D

Acq: 25 Jun 2021 05:54

Tgt Ion: 43	Resp: 1433
Ion Ratio	Lower Upper
43 100	
58 26.7	27.8 41.8#

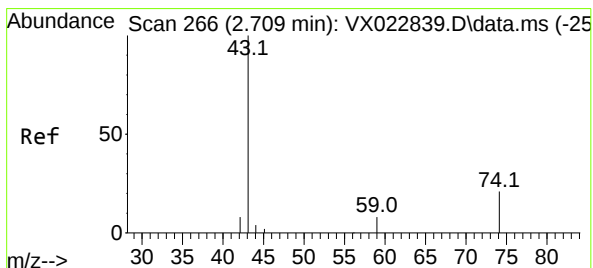
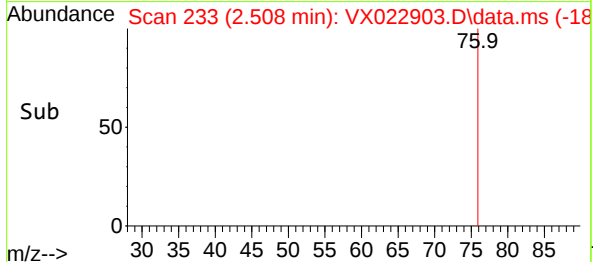
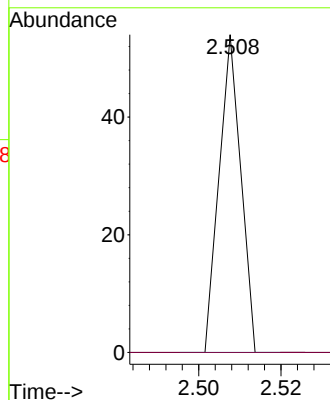
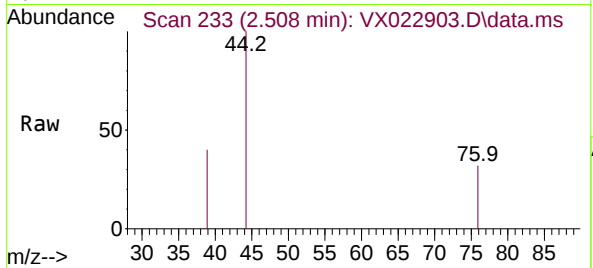




#17
Carbon Disulfide
Concen: 3.53 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

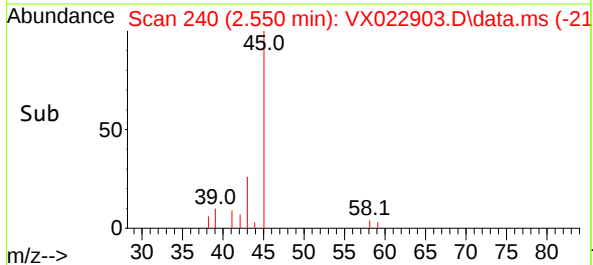
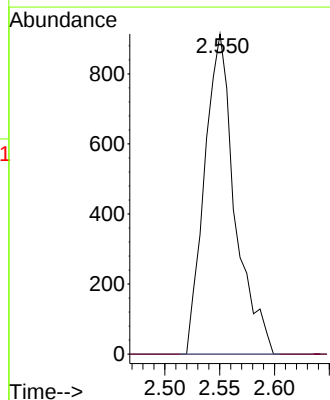
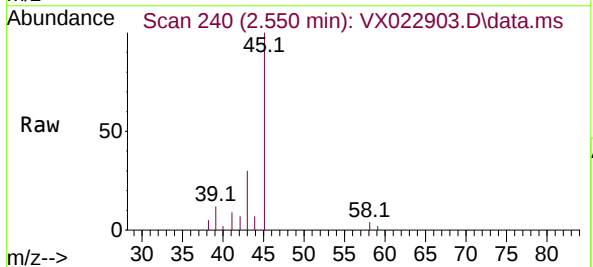
Instrument :
MSVOA_X
ClientSampled :

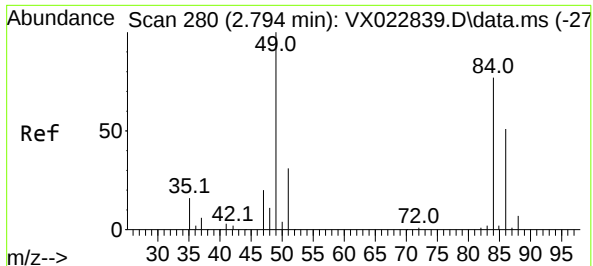
Tgt Ion: 76 Resp: 20
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 1.77 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.159 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

Tgt Ion: 43 Resp: 1765
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.50 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX022903.D

Acq: 25 Jun 2021 05:54

Tgt Ion: 84 Resp: 107

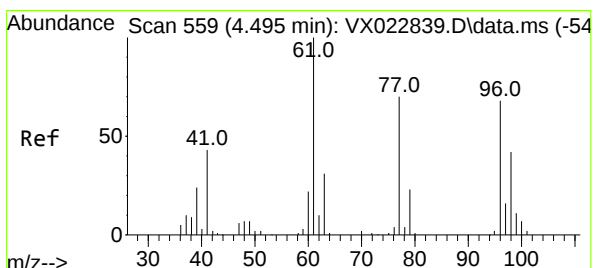
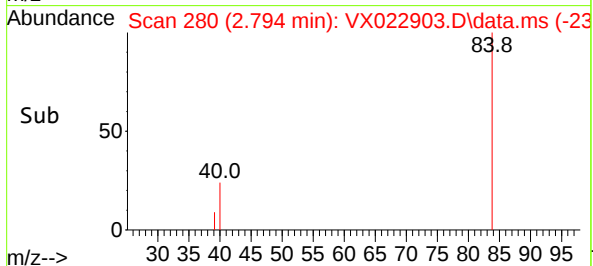
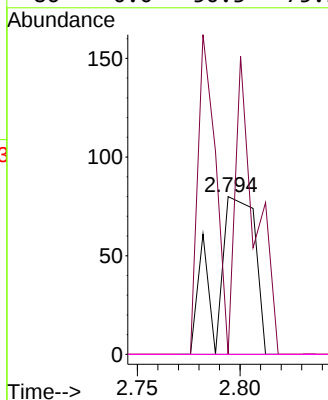
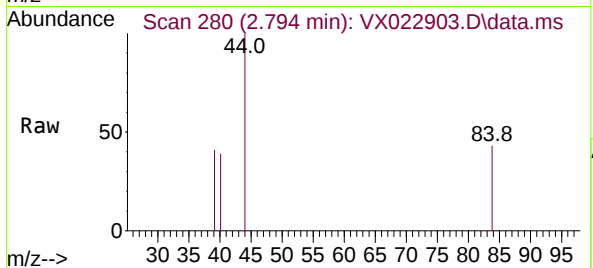
Ion Ratio Lower Upper

84 100

49 0.0 88.6 132.8#

51 0.0 27.0 40.6#

86 0.0 50.3 75.5#



#27

cis-1,2-Dichloroethene

Concen: 0.70 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX022903.D

Acq: 25 Jun 2021 05:54

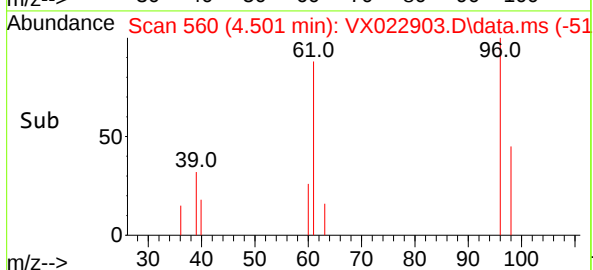
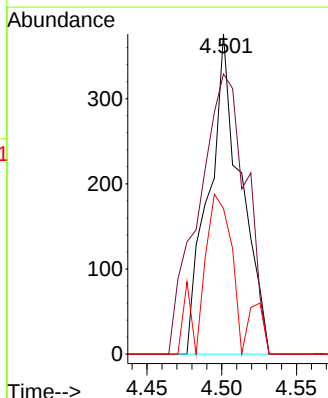
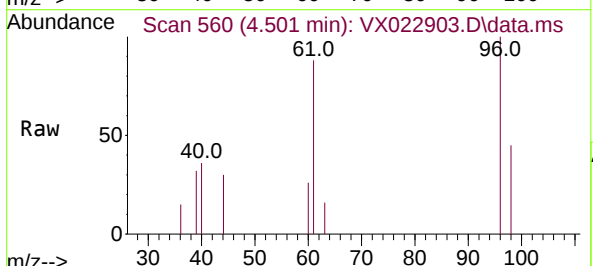
Tgt Ion: 96 Resp: 562

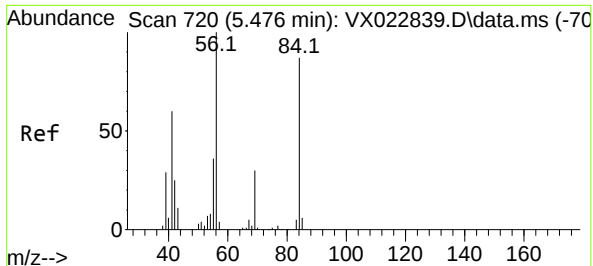
Ion Ratio Lower Upper

96 100

61 129.2 0.0 285.6

98 52.0 0.0 129.6

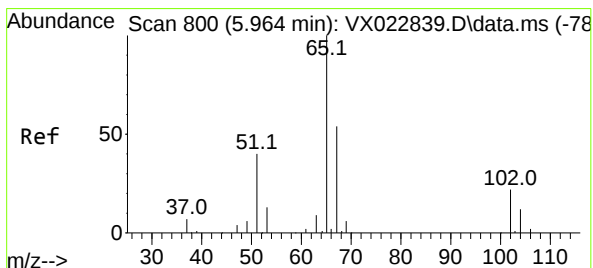
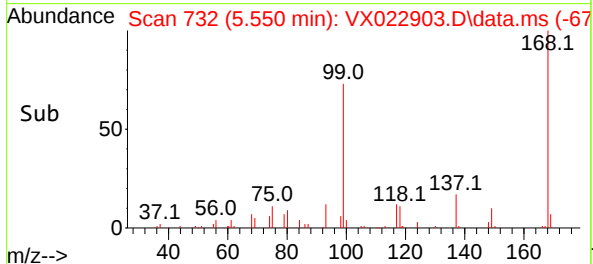
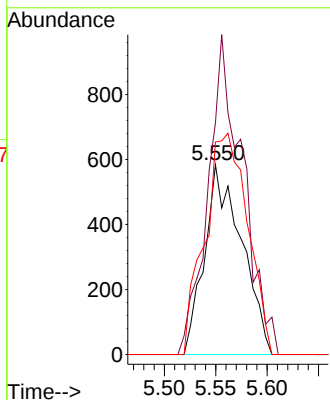
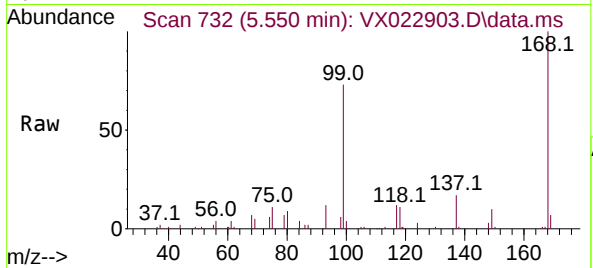




#31
Cyclohexane
Concen: 1.14 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.074 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

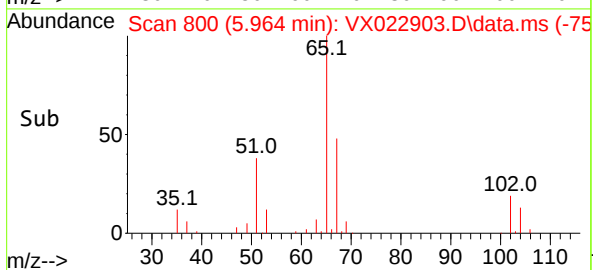
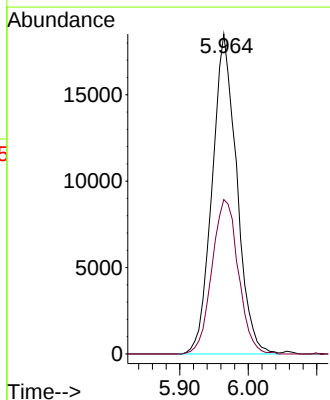
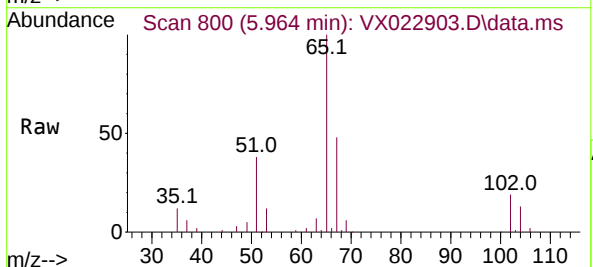
Instrument :
MSVOA_X
ClientSampled :

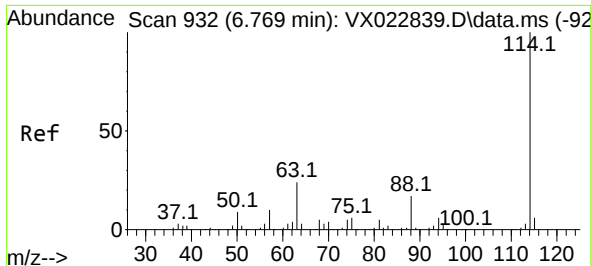
Tgt Ion: 56 Resp: 1463
Ion Ratio Lower Upper
56 100
69 122.3 25.3 37.9#
84 112.0 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 50.43 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

Tgt Ion: 65 Resp: 46002
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.4

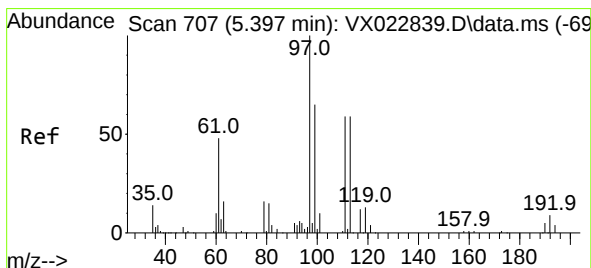
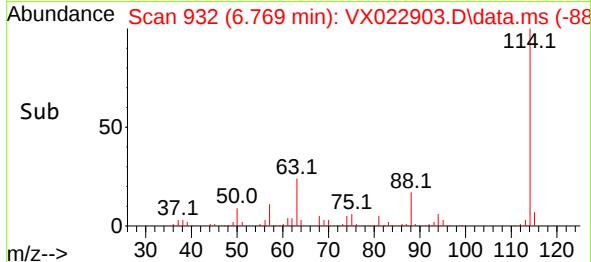
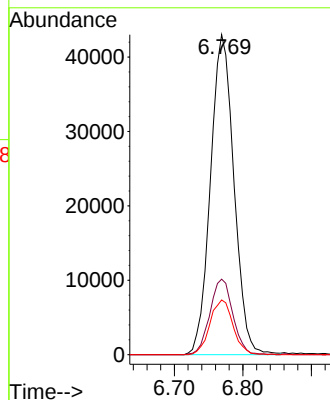
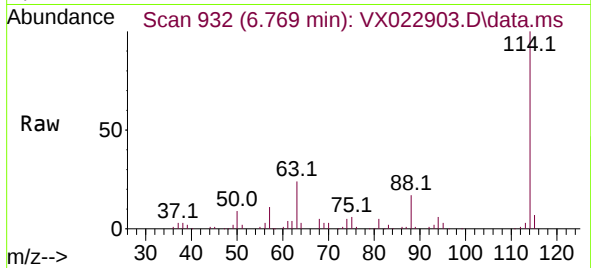




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

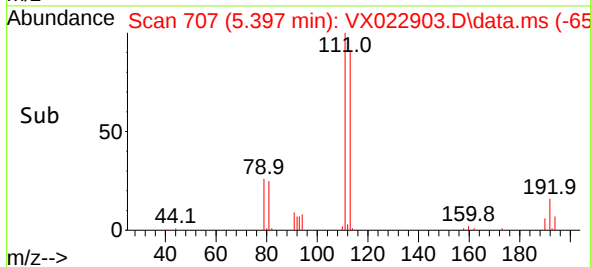
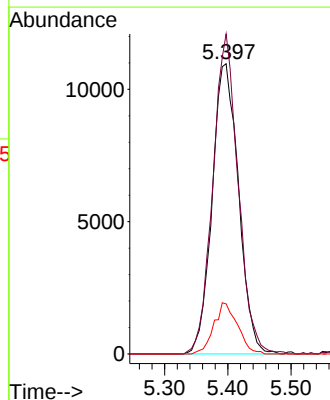
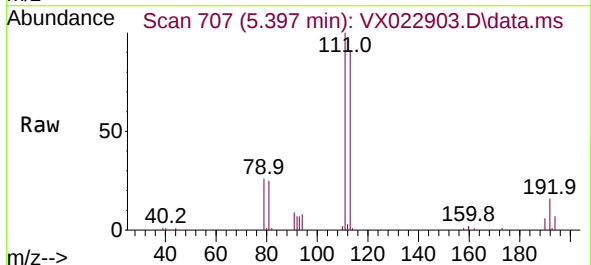
Instrument :
MSVOA_X
ClientSampled :

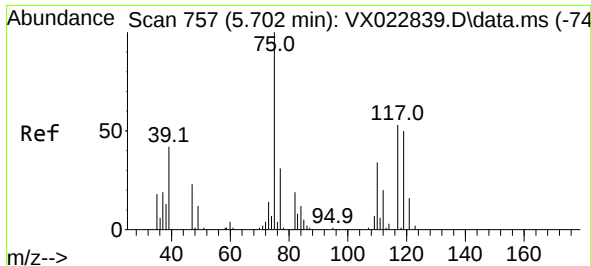
Tgt Ion:114 Resp: 102402
Ion Ratio Lower Upper
114 100
63 23.6 0.0 40.8
88 17.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.92 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

Tgt Ion:113 Resp: 31811
Ion Ratio Lower Upper
113 100
111 105.5 81.9 122.9
192 15.8 16.7 25.1#

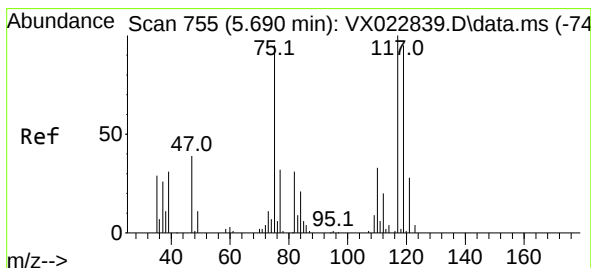
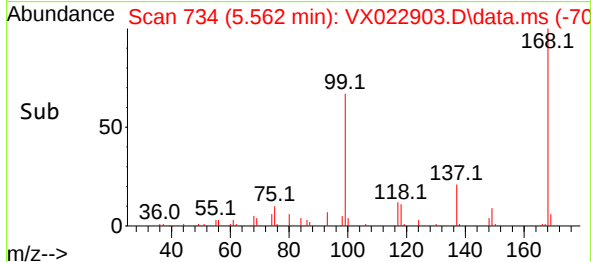
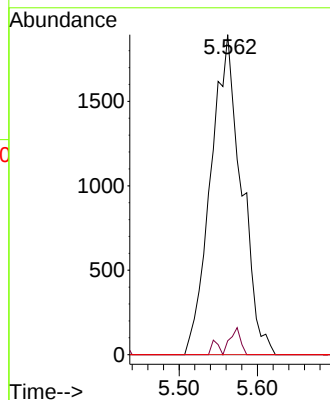
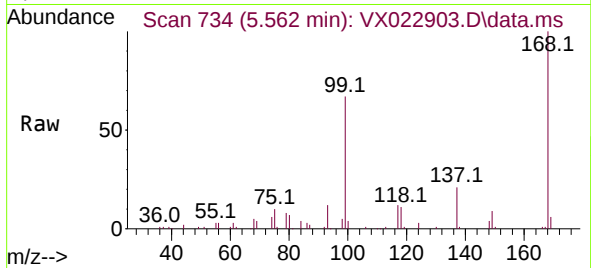




#36
1,1-Dichloropropene
Concen: 4.76 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

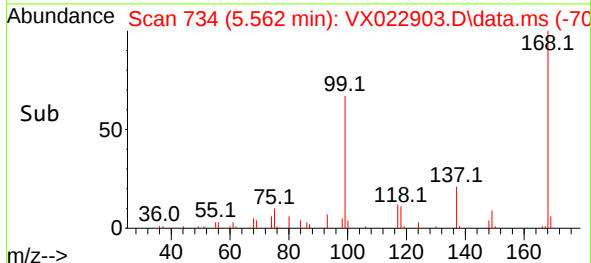
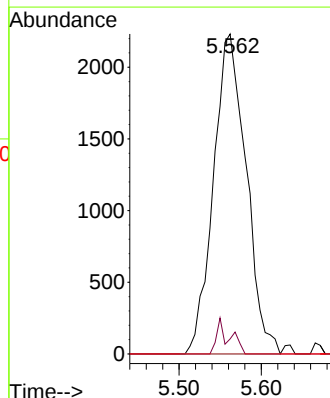
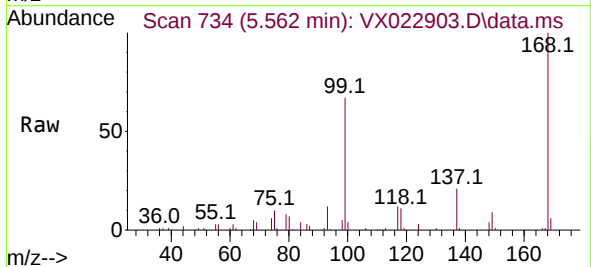
Instrument :
MSVOA_X
ClientSampled :

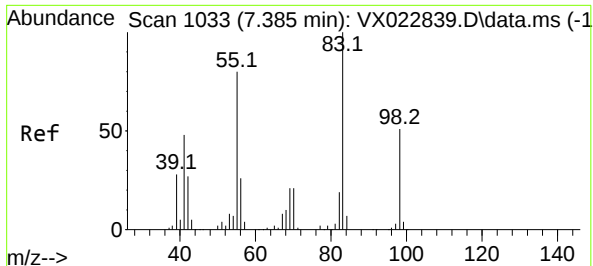
Tgt Ion: 75 Resp: 5173
Ion Ratio Lower Upper
75 100
110 2.9 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.75 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

Tgt Ion: 117 Resp: 6162
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 0.55 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX022903.D

Acq: 25 Jun 2021 05:54

Tgt Ion: 83 Resp: 703

Ion Ratio Lower Upper

83 100

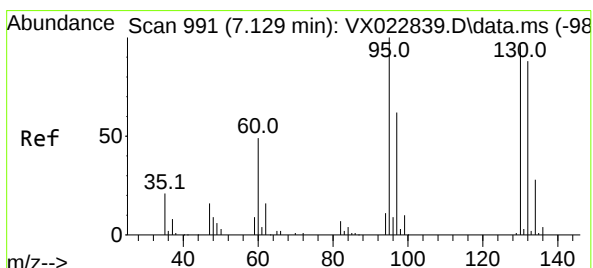
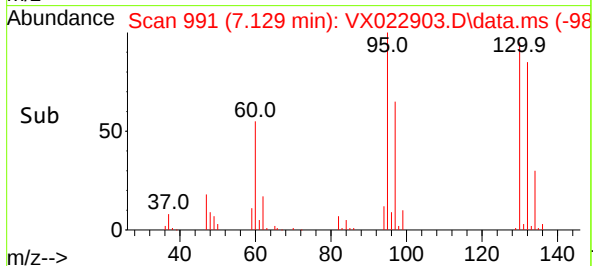
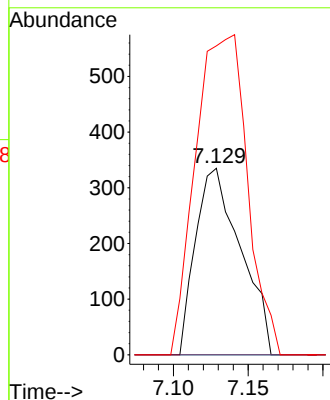
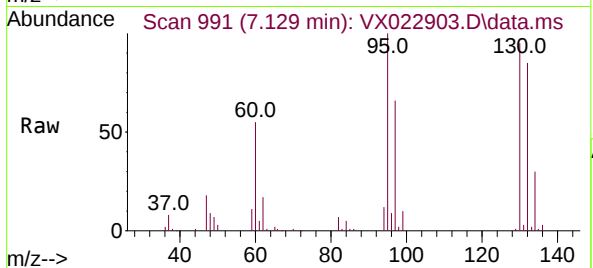
55 0.0 58.9 88.3#

98 165.7 38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :



#44

Trichloroethene

Concen: 68.20 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX022903.D

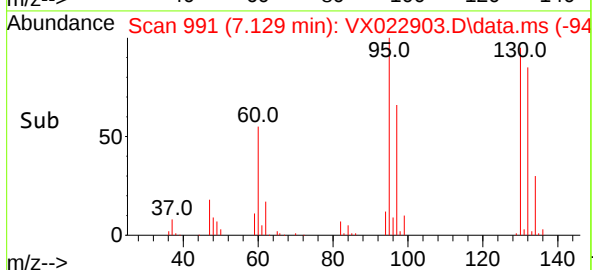
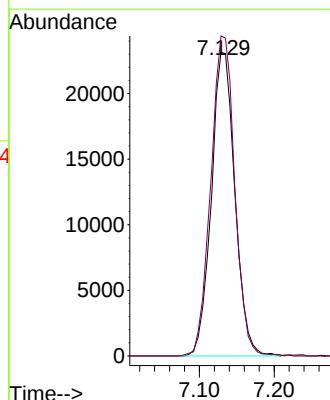
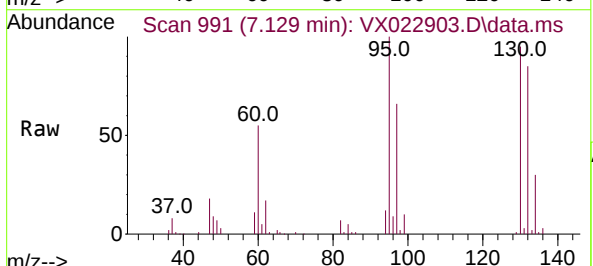
Acq: 25 Jun 2021 05:54

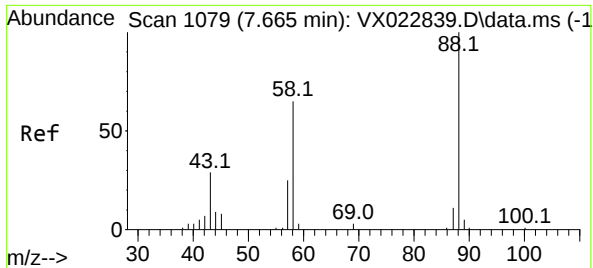
Tgt Ion:130 Resp: 50726

Ion Ratio Lower Upper

130 100

95 105.4 0.0 198.0

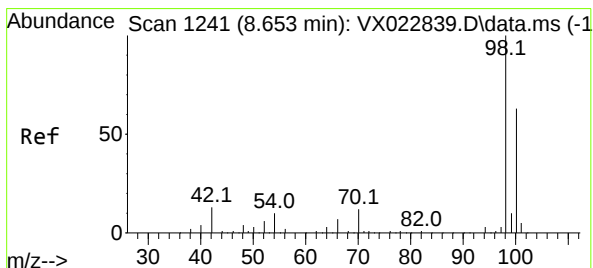
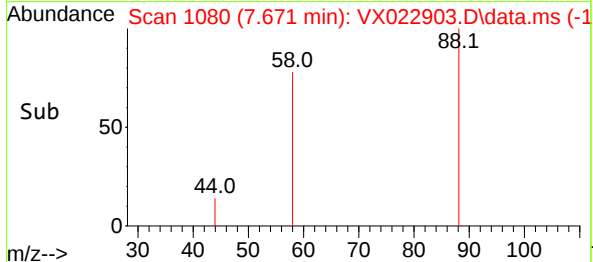
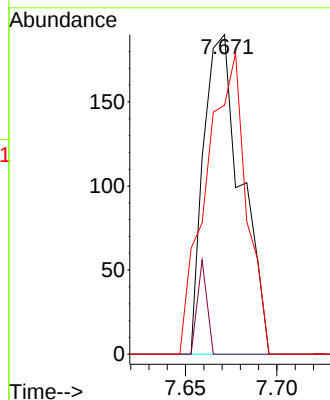
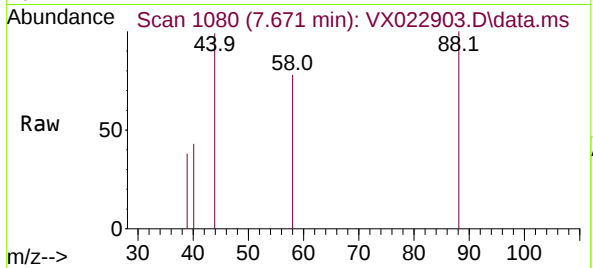




#49
1,4-Dioxane
Concen: 13.53 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

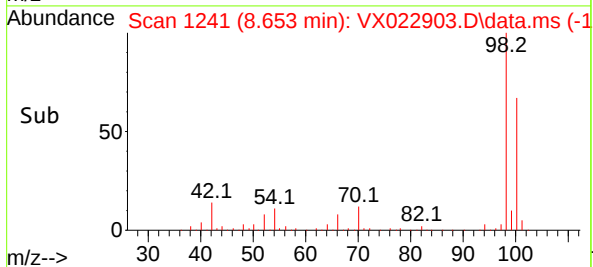
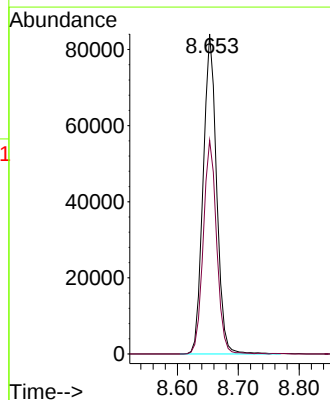
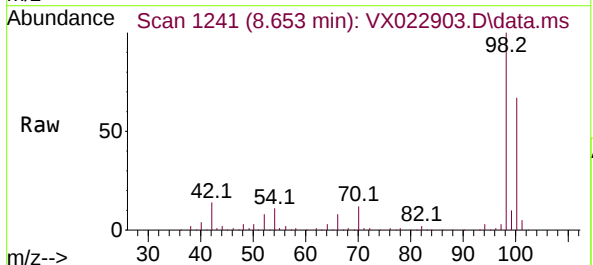
Instrument :
MSVOA_X
ClientSampled :

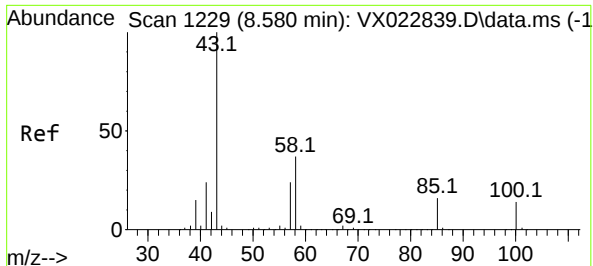
Tgt Ion: 88 Resp: 273
Ion Ratio Lower Upper
88 100
43 7.3 23.2 34.8#
58 100.0 55.0 82.4#



#50
Toluene-d8
Concen: 50.59 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

Tgt Ion: 98 Resp: 128922
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9

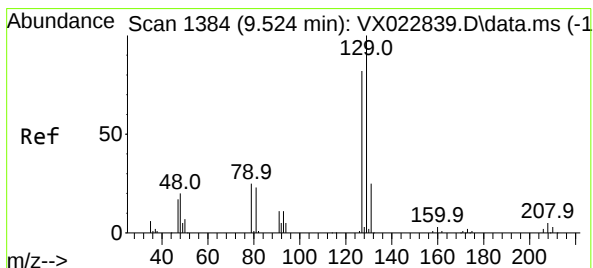
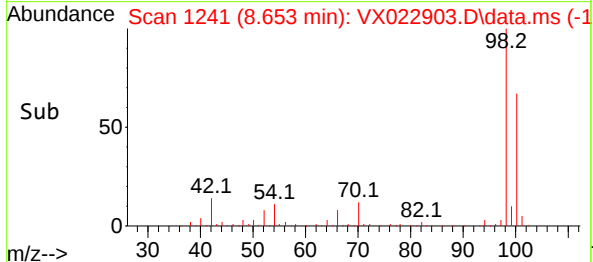
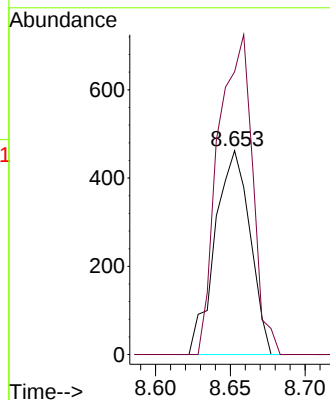
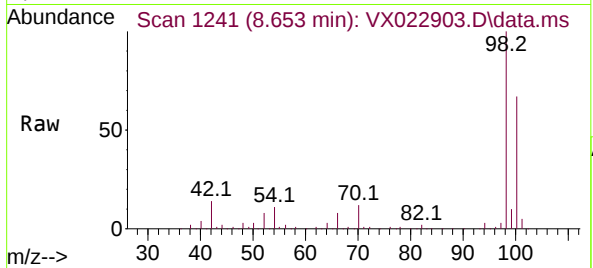




#51
4-Methyl-2-Pentanone
Concen: 0.60 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

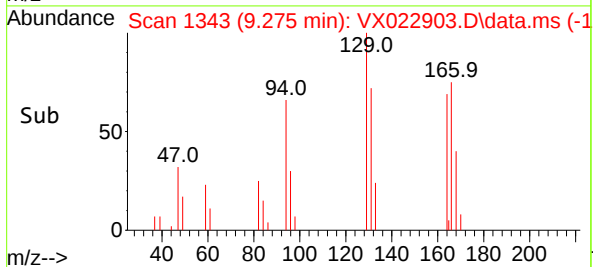
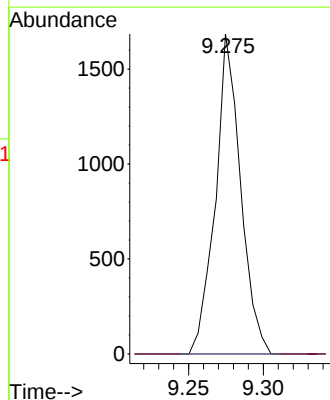
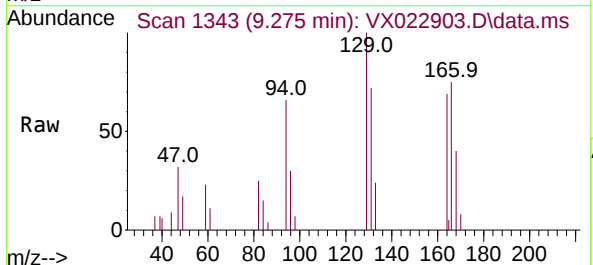
Instrument :
MSVOA_X
ClientSampled :

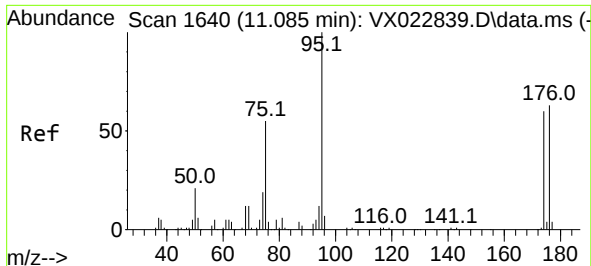
Tgt Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
58 153.4 35.4 53.0#



#60
Dibromochloromethane
Concen: 6.10 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.249 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

Tgt Ion: 129 Resp: 1972
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

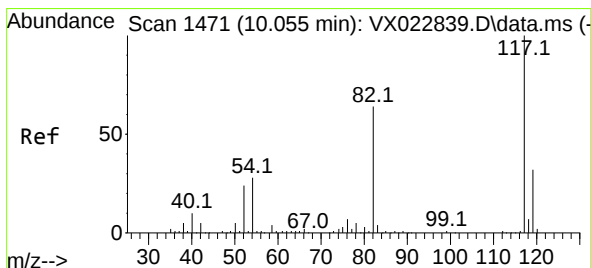
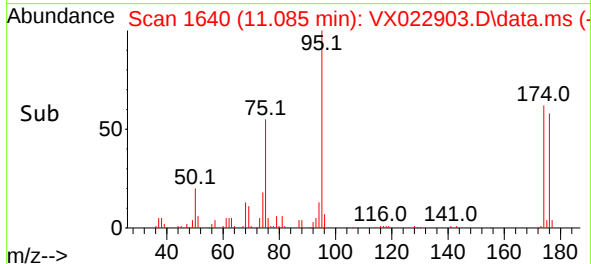
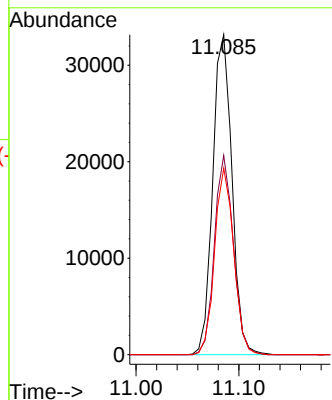
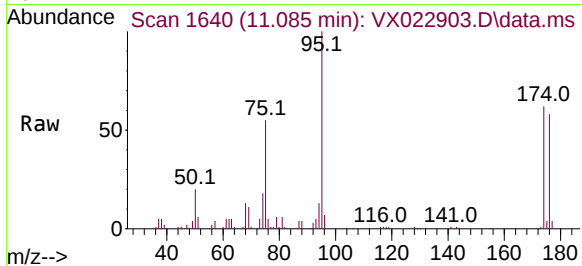




#62
4-Bromofluorobenzene
Concen: 45.17 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

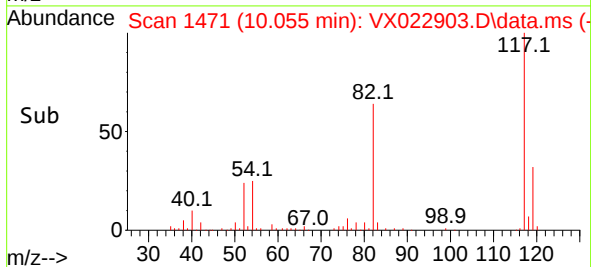
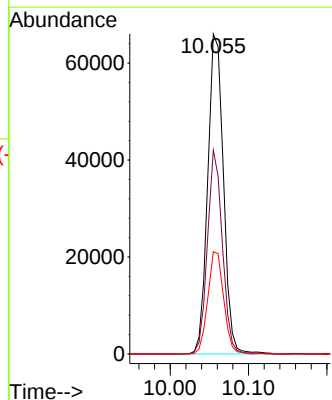
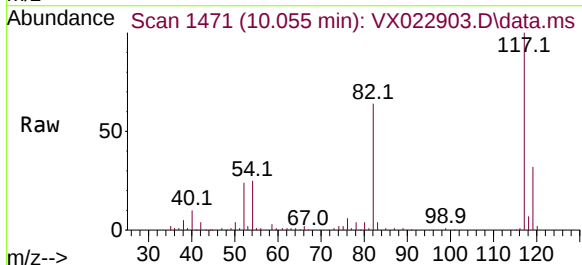
Instrument :
MSVOA_X
ClientSampled :

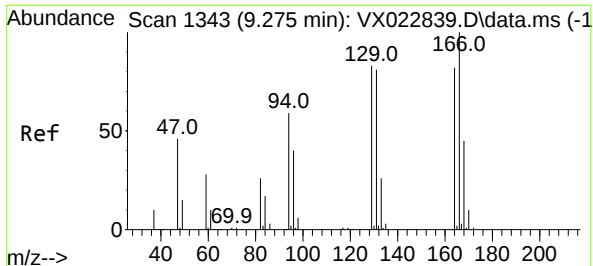
Tgt Ion: 95 Resp: 42966
Ion Ratio Lower Upper
95 100
174 61.2 0.0 154.6
176 58.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

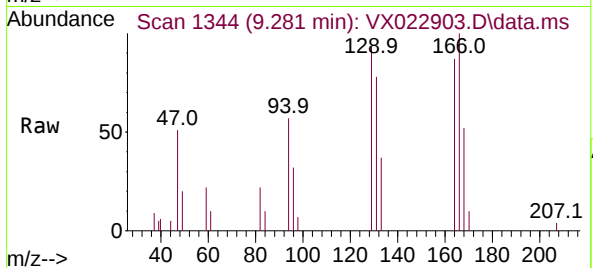
Tgt Ion: 117 Resp: 91797
Ion Ratio Lower Upper
117 100
82 63.7 47.4 71.2
119 32.0 26.6 39.8



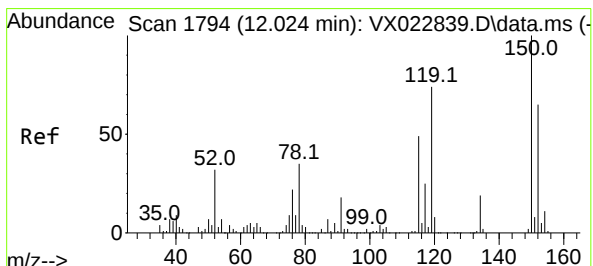
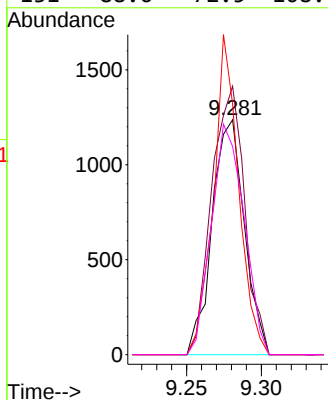
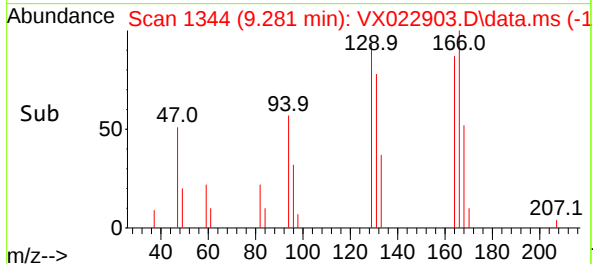


#64
Tetrachloroethene
Concen: 2.88 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

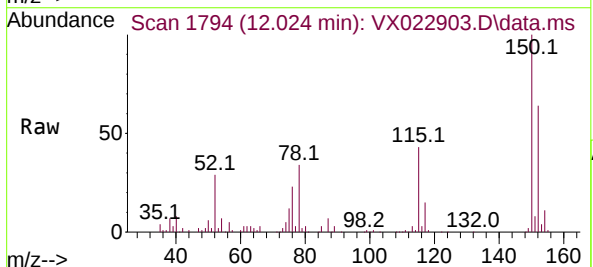
Instrument :
MSVOA_X
ClientSampled :



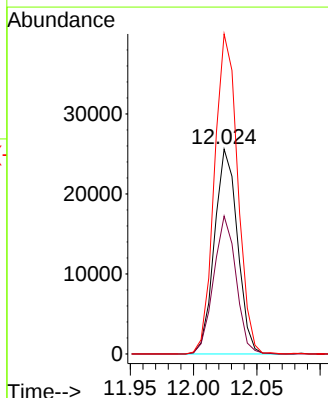
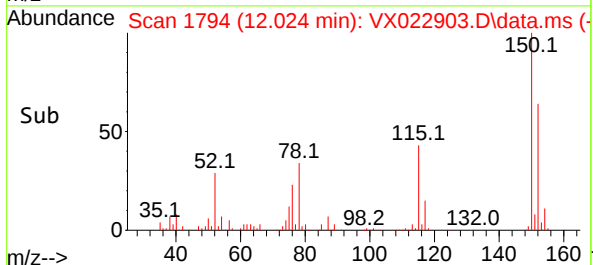
Tgt Ion:164 Resp: 1857
Ion Ratio Lower Upper
164 100
166 114.3 103.4 155.2
129 106.7 70.8 106.2#
131 88.6 72.5 108.7

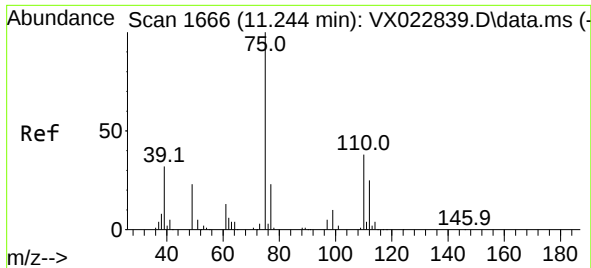


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54



Tgt Ion:152 Resp: 32426
Ion Ratio Lower Upper
152 100
115 65.5 41.1 123.3
150 157.3 0.0 349.0

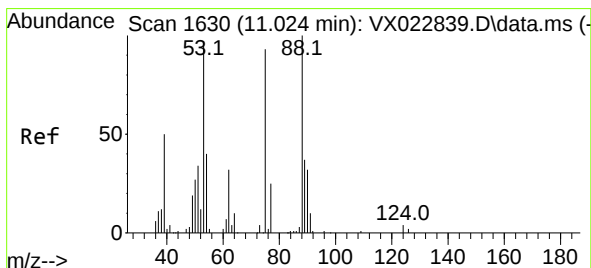
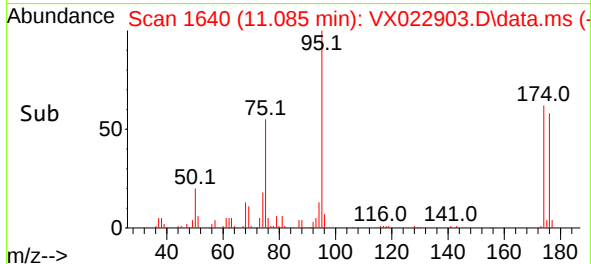
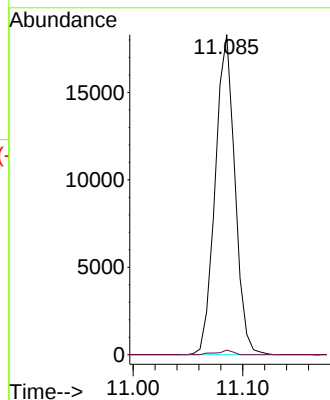
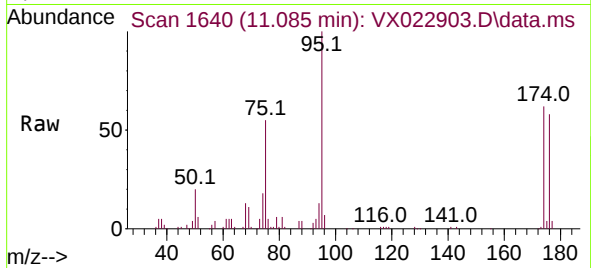




#76
1,2,3-Trichloropropane
Concen: 26.65 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 22827
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.12 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022903.D
Acq: 25 Jun 2021 05:54

Tgt Ion: 75 Resp: 22827
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

