

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062521\
 Data File : VX022923.D
 Acq On : 25 Jun 2021 15:16
 Operator : JC/MD
 Sample : M2803-09DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 26 03:53:55 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)

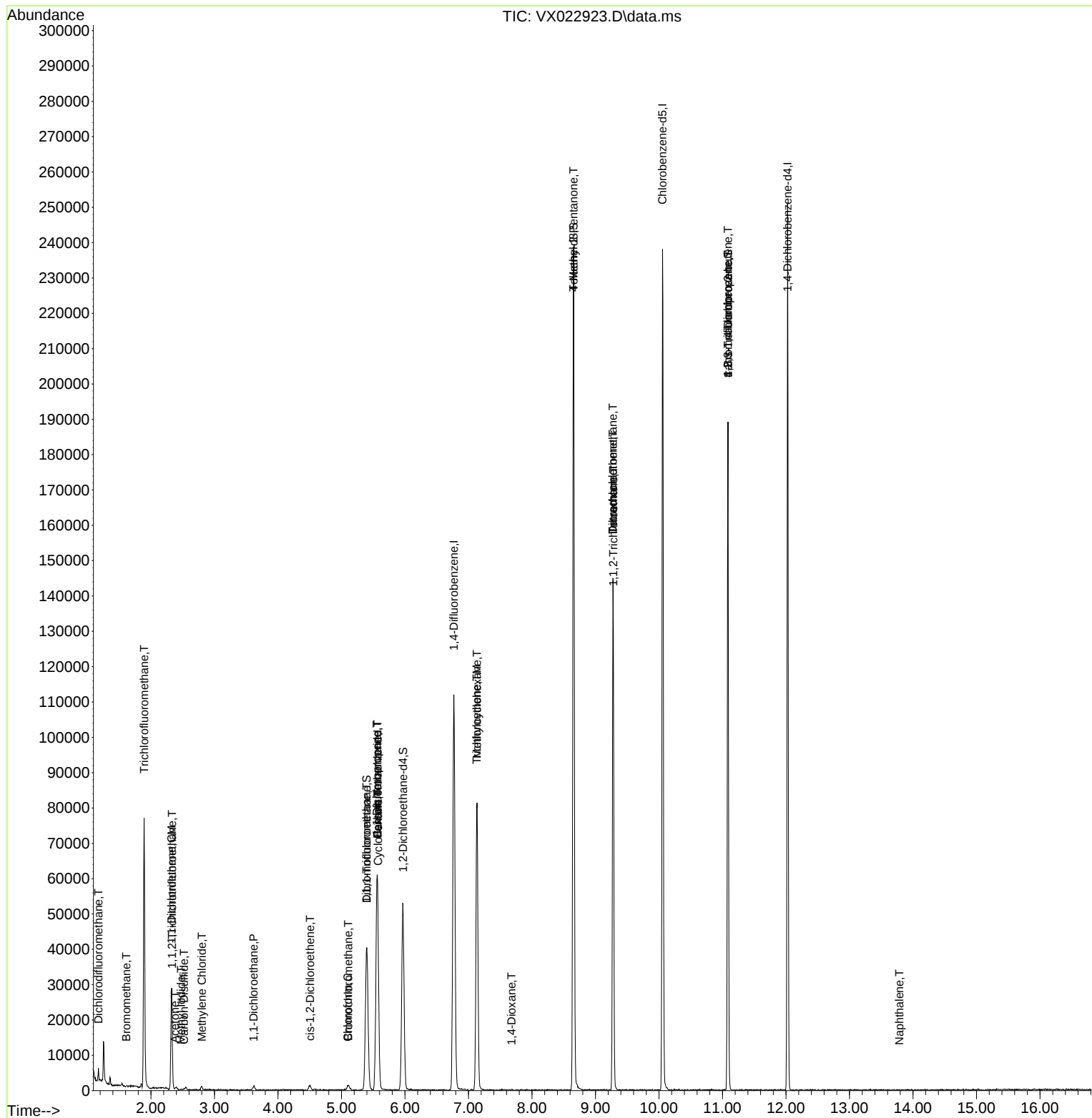
Internal Standards						
1) Pentafluorobenzene	5.568	168	51267	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.769	114	107053	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	100254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	42472	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	48303	51.92	ug/l	0.00
Spiked Amount 50.000	Range	78 - 117	Recovery	= 103.84%		
35) Dibromofluoromethane	5.397	113	34021	50.04	ug/l	0.00
Spiked Amount 50.000	Range	75 - 124	Recovery	= 100.08%		
50) Toluene-d8	8.653	98	134862	50.62	ug/l	0.00
Spiked Amount 50.000	Range	92 - 112	Recovery	= 101.24%		
62) 4-Bromofluorobenzene	11.085	95	49254	49.53	ug/l	0.00
Spiked Amount 50.000	Range	83 - 123	Recovery	= 99.06%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	1683	2.33	ug/l	98
5) Bromomethane	1.612	94	113	0.28	ug/l #	2
7) Trichlorofluoromethane	1.892	101	41300	38.79	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	683	1.02	ug/l #	88
10) Methyl Iodide	2.477	142	85	3.98	ug/l #	42
12) 1,1-Dichloroethene	2.325	96	8074	12.14	ug/l	89
16) Acetone	2.380	43	503	1.22	ug/l #	87
17) Carbon Disulfide	2.520	76	25	3.53	ug/l #	75
20) Methylene Chloride	2.800	84	493	0.97	ug/l #	76
24) 1,1-Dichloroethane	3.617	63	1321	0.94	ug/l #	81
27) cis-1,2-Dichloroethene	4.507	96	847	1.03	ug/l	85
28) Bromochloromethane	5.105	49	144	0.22	ug/l #	9
30) Chloroform	5.099	83	1686	1.19	ug/l #	76
31) Cyclohexane	5.574	56	1682	1.28	ug/l #	37
32) 1,1,1-Trichloroethane	5.397	97	1770	1.56	ug/l #	83
36) 1,1-Dichloropropene	5.556	75	5500	4.84	ug/l #	44
38) Carbon Tetrachloride	5.568	117	6142	6.44	ug/l #	15
39) Methylcyclohexane	7.135	83	414	0.31	ug/l #	1
44) Trichloroethene	7.129	130	27700	35.62	ug/l	91
49) 1,4-Dioxane	7.678	88	107	5.07	ug/l #	24
51) 4-Methyl-2-Pentanone	8.653	43	760	0.58	ug/l #	1
55) 1,1,2-Trichloroethane	9.281	97	221	0.28	ug/l #	1
60) Dibromochloromethane	9.275	129	24141	32.38	ug/l #	11
64) Tetrachloroethene	9.275	164	22621	32.11	ug/l	91
76) 1,2,3-Trichloropropane	11.085	75	26785	23.88	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	26785	62.60	ug/l #	12
95) Naphthalene	13.786	128	49	1.94	ug/l #	69

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

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ClientSampleId :

Quant Time: Jun 26 03:53:55 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

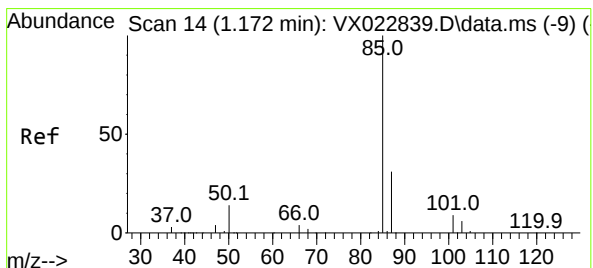
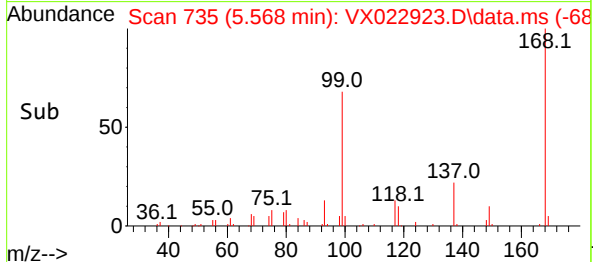
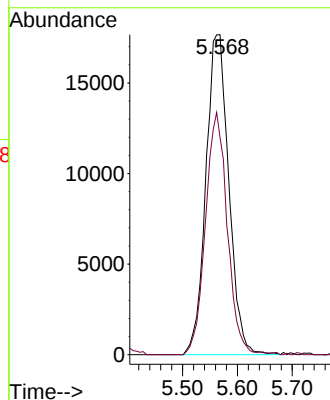
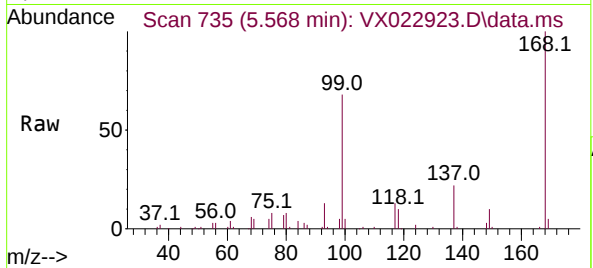




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.012 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

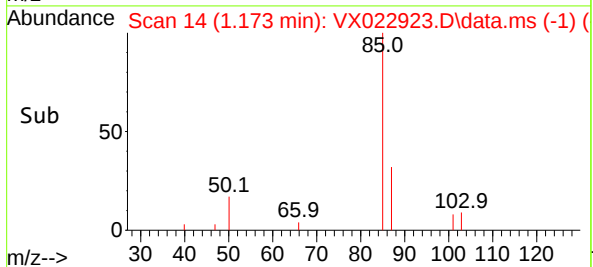
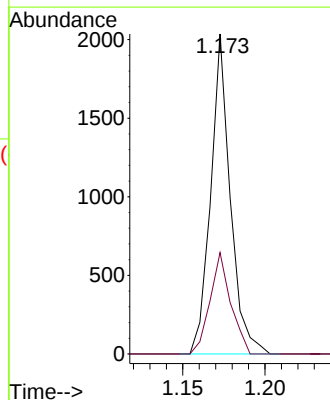
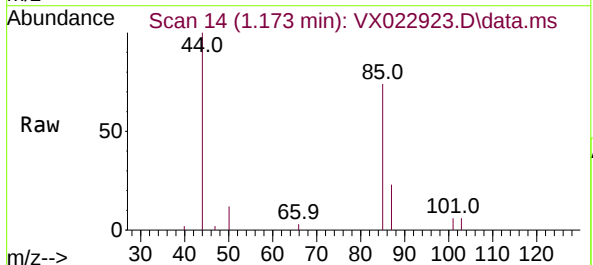
Instrument :
MSVOA_X
ClientSampled :

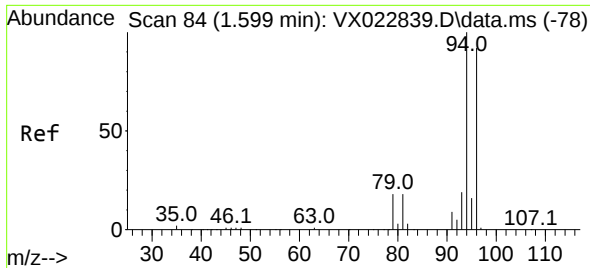
Tgt Ion:168 Resp: 51267
Ion Ratio Lower Upper
168 100
99 67.9 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 2.33 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.001 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

Tgt Ion: 85 Resp: 1683
Ion Ratio Lower Upper
85 100
87 31.7 16.4 49.2

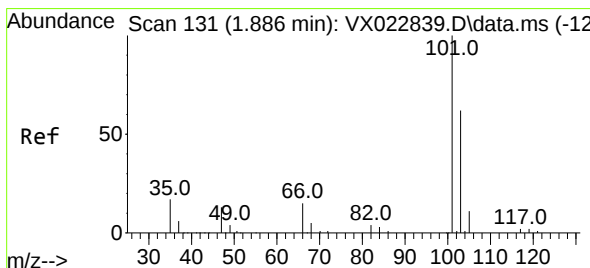
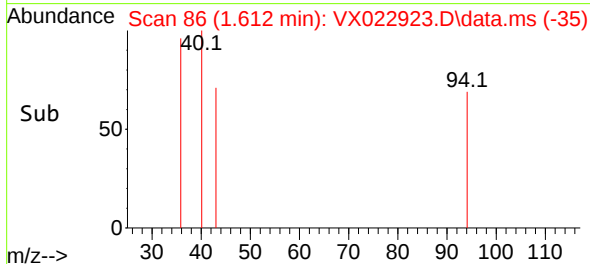
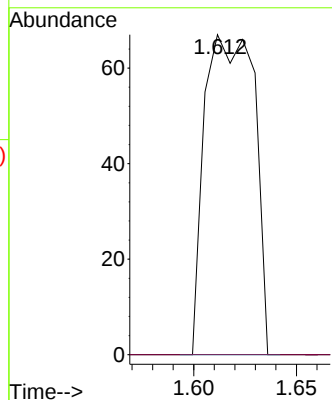
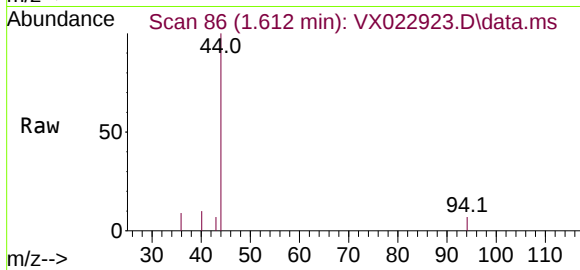




#5
Bromomethane
Concen: 0.28 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

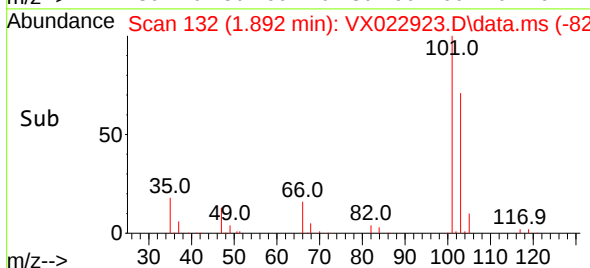
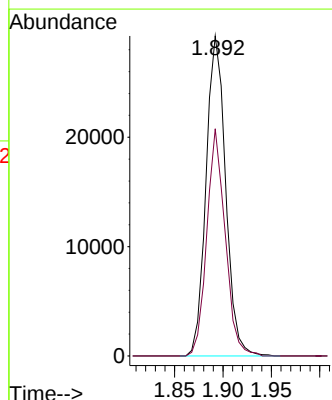
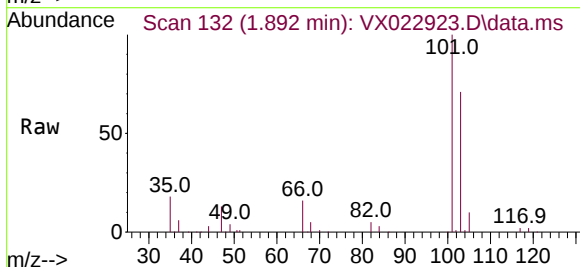
Instrument :
MSVOA_X
ClientSampled :

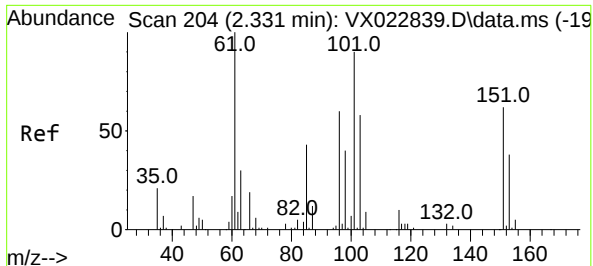
Tgt Ion: 94 Resp: 113
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



#7
Trichlorofluoromethane
Concen: 38.79 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

Tgt Ion:101 Resp: 41300
Ion Ratio Lower Upper
101 100
103 71.0 53.2 79.8

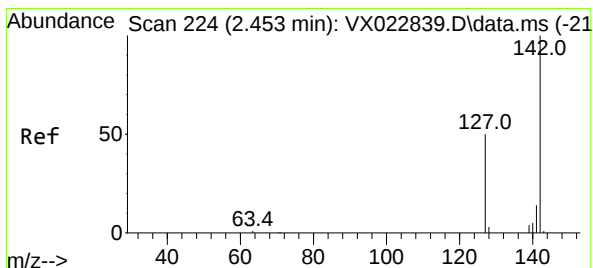
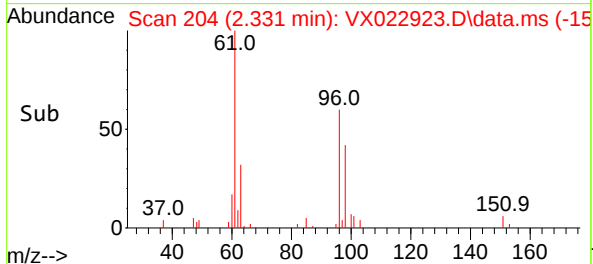
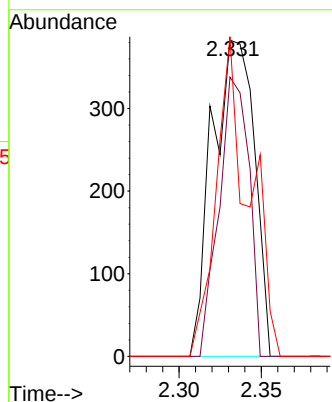
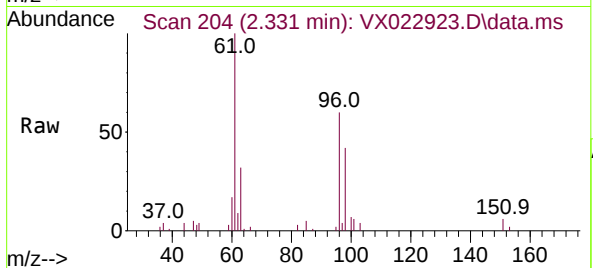




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.02 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

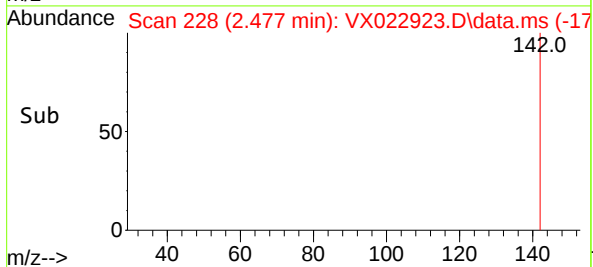
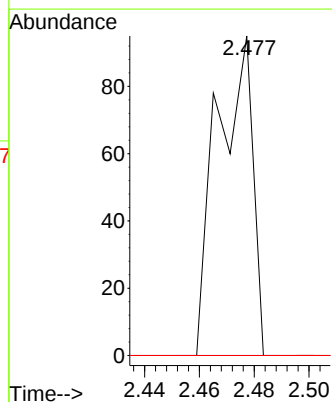
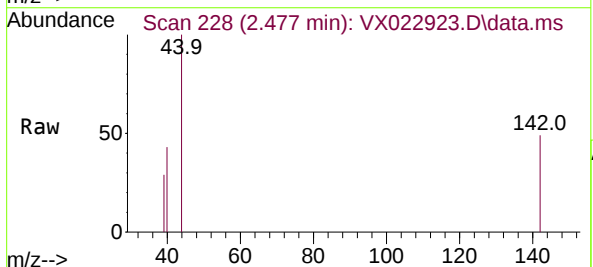
Instrument :
MSVOA_X
ClientSampleId :

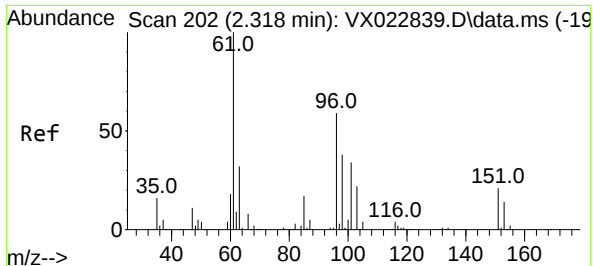
Tgt Ion:101 Resp: 683
Ion Ratio Lower Upper
101 100
85 62.7 34.9 52.3#
151 78.9 61.4 92.2



#10
Methyl Iodide
Concen: 3.98 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.024 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

Tgt Ion:142 Resp: 85
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: 12.14 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.007 min

Lab File: VX022923.D

Acq: 25 Jun 2021 15:16

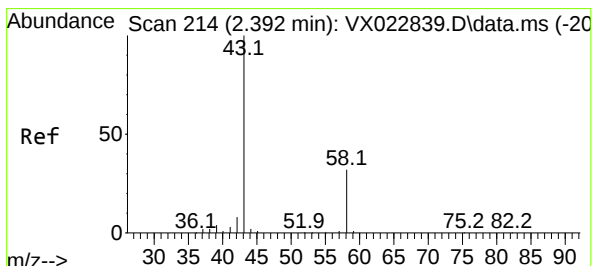
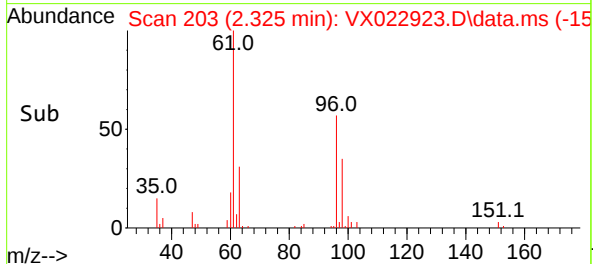
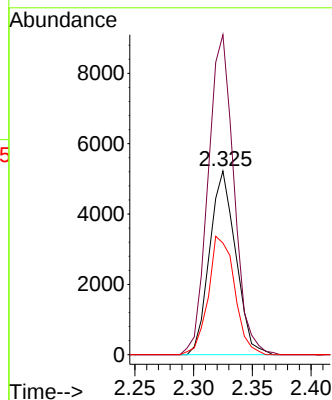
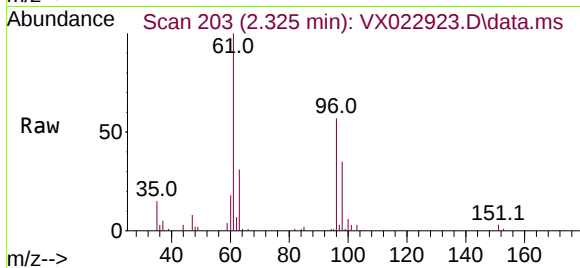
Tgt Ion: 96 Resp: 8074

Ion Ratio Lower Upper

96 100

61 174.1 124.6 187.0

98 60.8 50.6 76.0



#16

Acetone

Concen: 1.22 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX022923.D

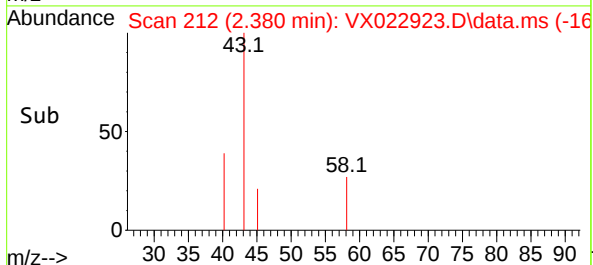
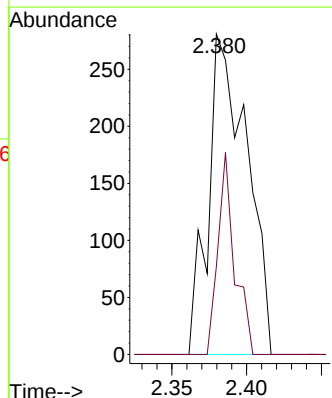
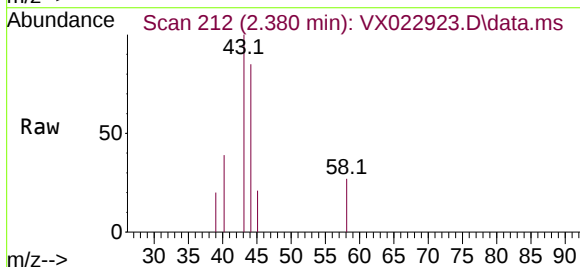
Acq: 25 Jun 2021 15:16

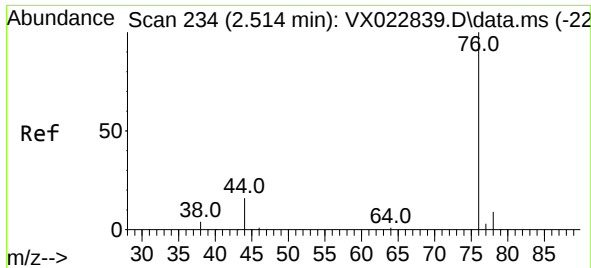
Tgt Ion: 43 Resp: 503

Ion Ratio Lower Upper

43 100

58 27.4 27.8 41.8#

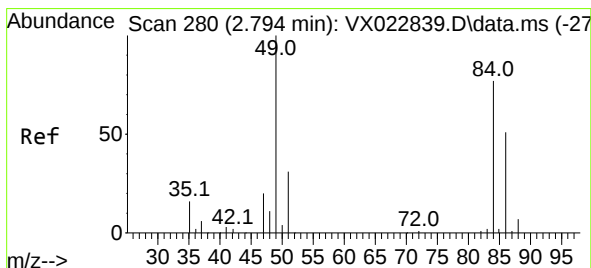
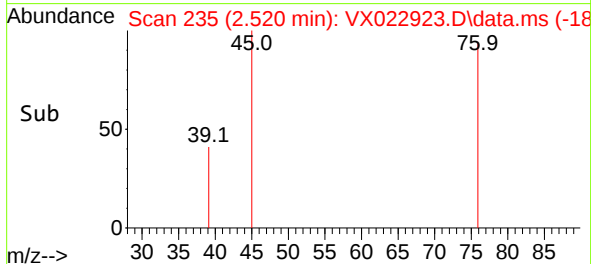
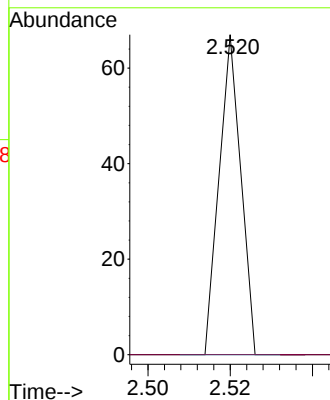
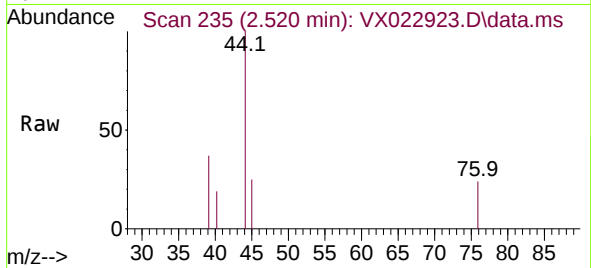




#17
Carbon Disulfide
Concen: 3.53 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

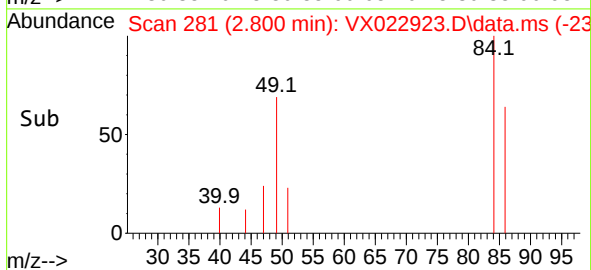
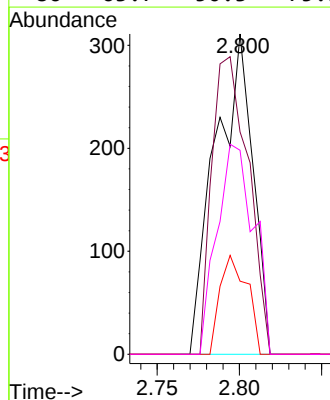
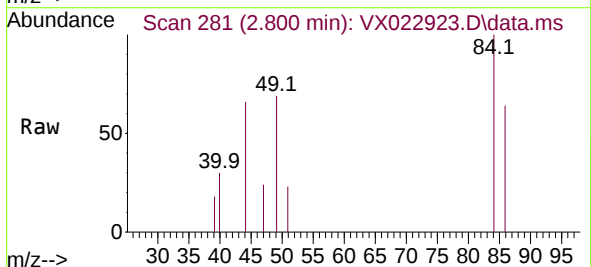
Instrument :
MSVOA_X
ClientSampleId :

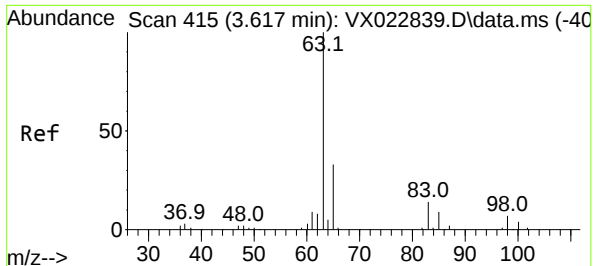
Tgt Ion: 76 Resp: 25
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.97 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

Tgt Ion: 84 Resp: 493
Ion Ratio Lower Upper
84 100
49 69.5 88.6 132.8#
51 22.8 27.0 40.6#
86 63.7 50.3 75.5

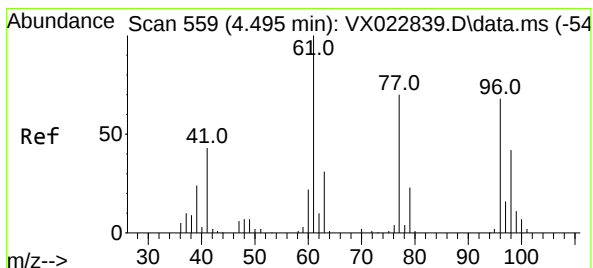
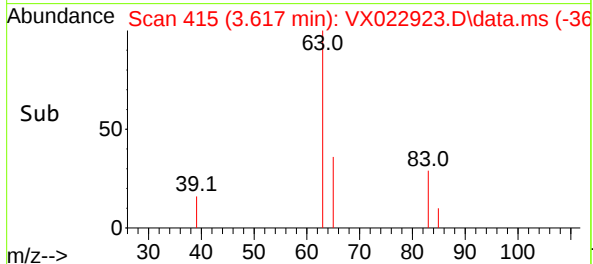
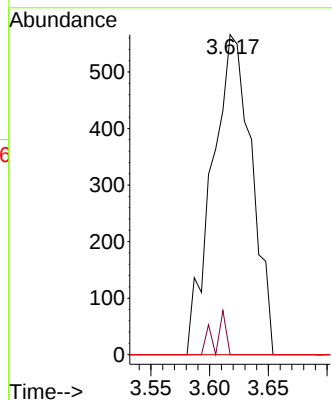
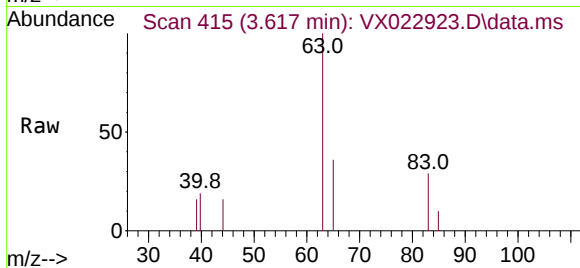




#24
1,1-Dichloroethane
Concen: 0.94 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

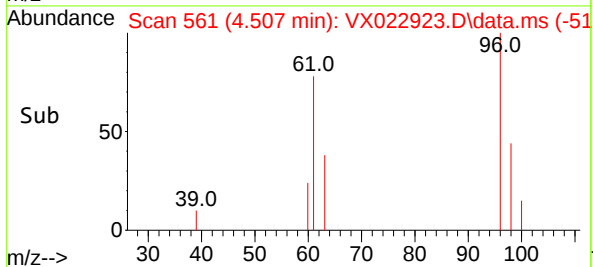
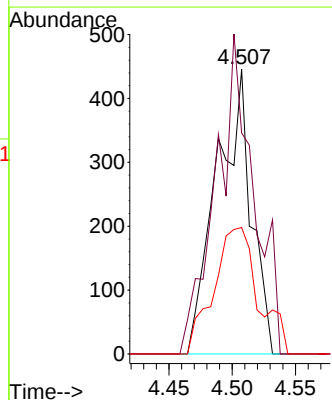
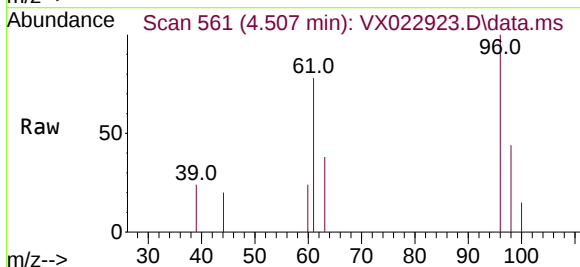
Instrument :
MSVOA_X
ClientSampled :

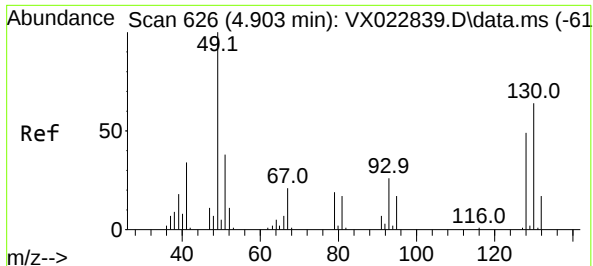
Tgt Ion: 63 Resp: 1321
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 1.03 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.012 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

Tgt Ion: 96 Resp: 847
Ion Ratio Lower Upper
96 100
61 121.8 0.0 285.6
98 57.3 0.0 129.6

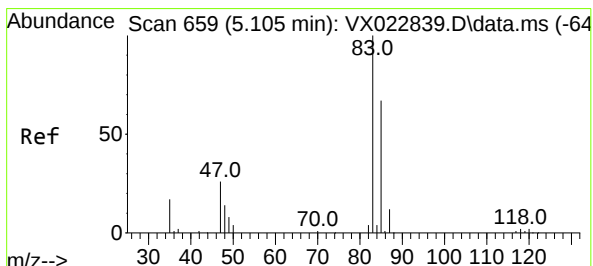
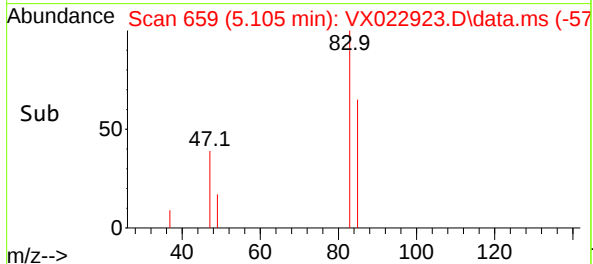
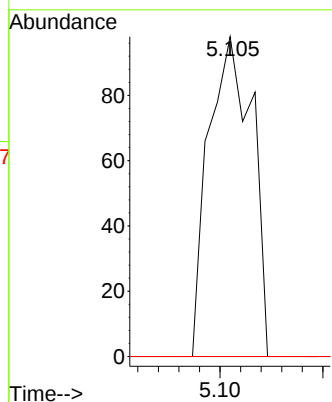
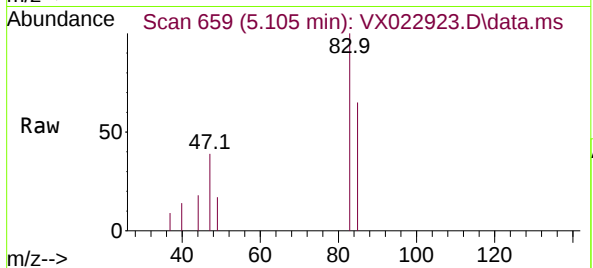




#28
Bromochloromethane
Concen: 0.22 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.202 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

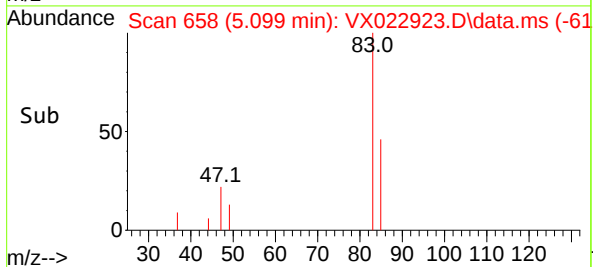
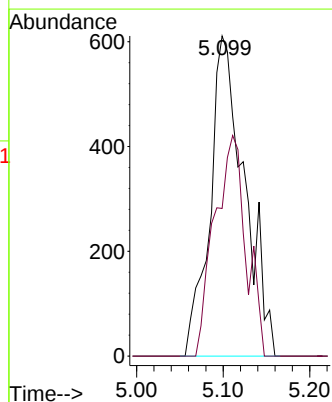
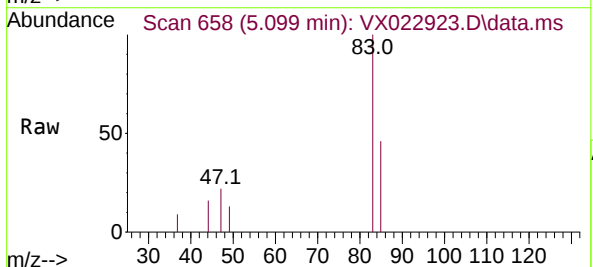
Instrument :
MSVOA_X
ClientSampleId :

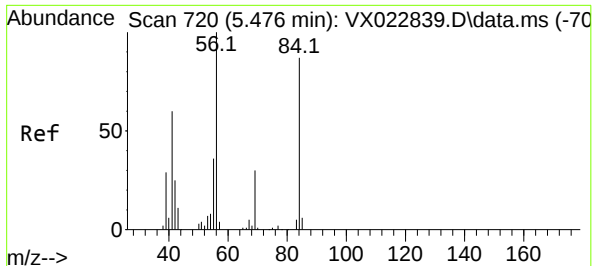
Tgt Ion: 49 Resp: 144
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#30
Chloroform
Concen: 1.19 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.006 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

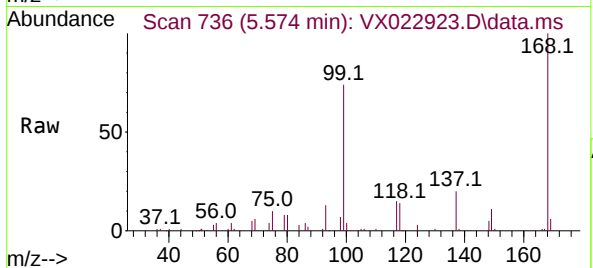
Tgt Ion: 83 Resp: 1686
Ion Ratio Lower Upper
83 100
85 46.2 52.0 78.0#



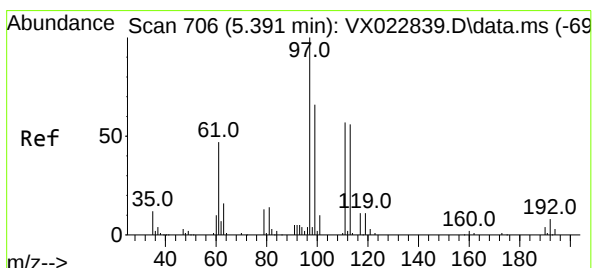
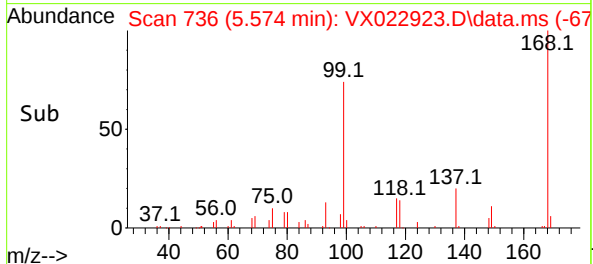
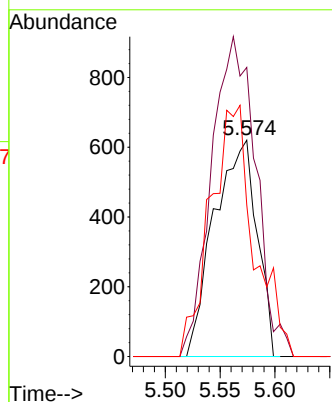


#31
Cyclohexane
Concen: 1.28 ug/l
RT: 5.574 min Scan# 736
Delta R.T. 0.098 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

Instrument :
MSVOA_X
ClientSampled :

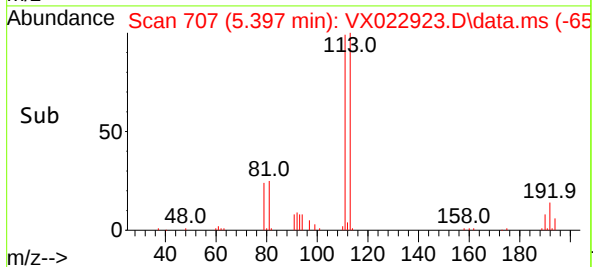
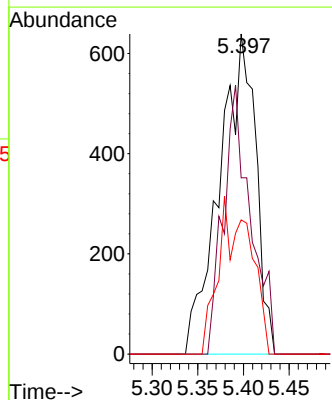
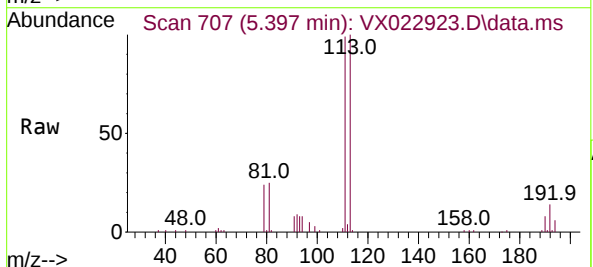


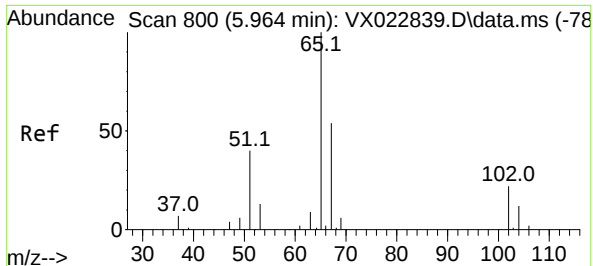
Tgt Ion: 56 Resp: 1682
Ion Ratio Lower Upper
56 100
69 133.7 25.3 37.9#
84 70.2 71.4 107.0#



#32
1,1,1-Trichloroethane
Concen: 1.56 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

Tgt Ion: 97 Resp: 1770
Ion Ratio Lower Upper
97 100
99 62.7 51.5 77.3
61 17.9 34.2 51.4#





#33

1,2-Dichloroethane-d4

Concen: 51.92 ug/l

RT: 5.971 min Scan# 801

Delta R.T. 0.007 min

Lab File: VX022923.D

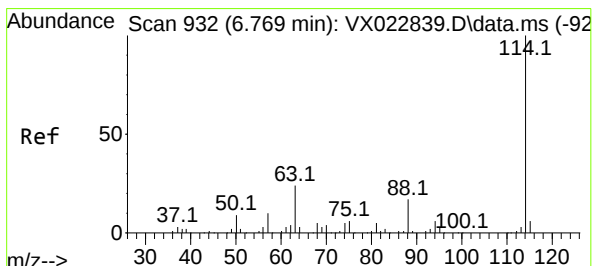
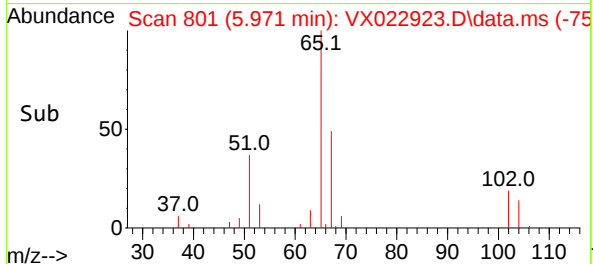
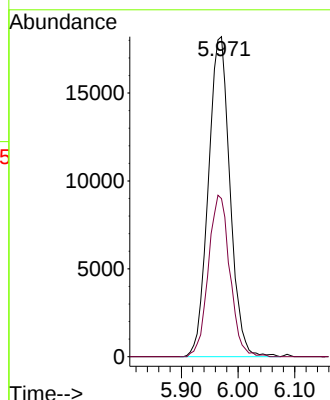
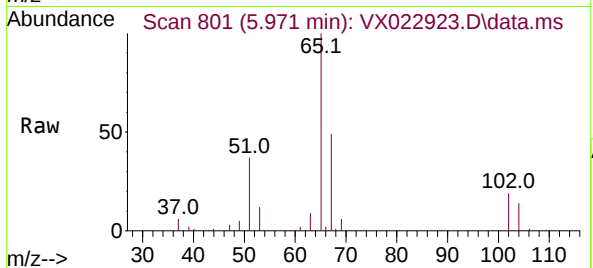
Acq: 25 Jun 2021 15:16

Tgt Ion: 65 Resp: 48303

Ion Ratio Lower Upper

65 100

67 50.1 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: VX022923.D

Acq: 25 Jun 2021 15:16

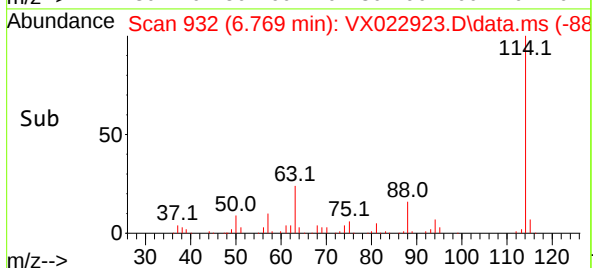
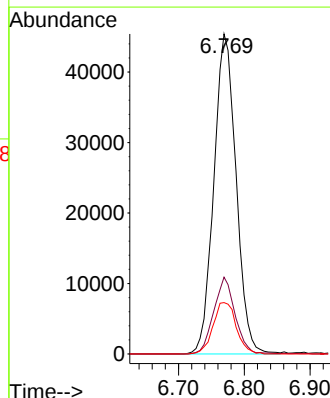
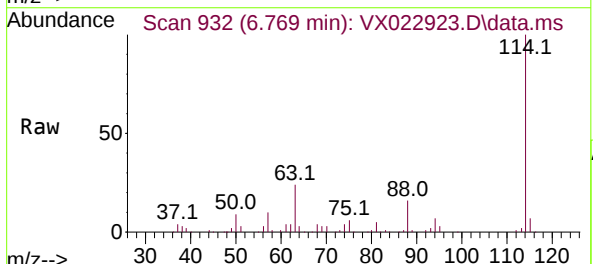
Tgt Ion: 114 Resp: 107053

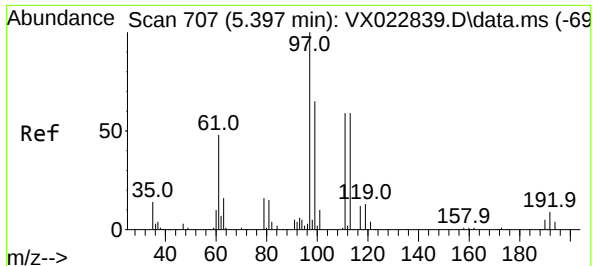
Ion Ratio Lower Upper

114 100

63 24.0 0.0 40.8

88 16.0 0.0 32.8

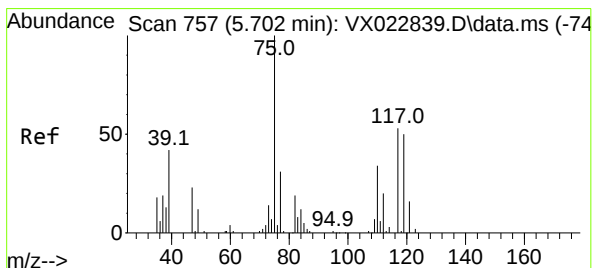
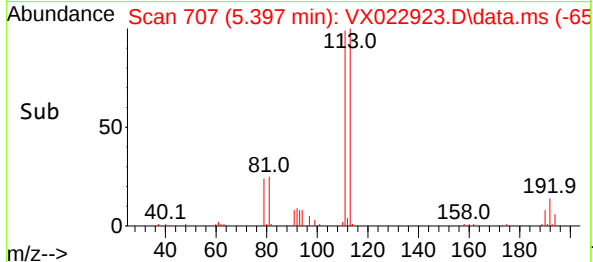
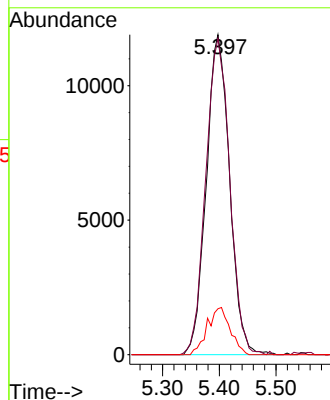
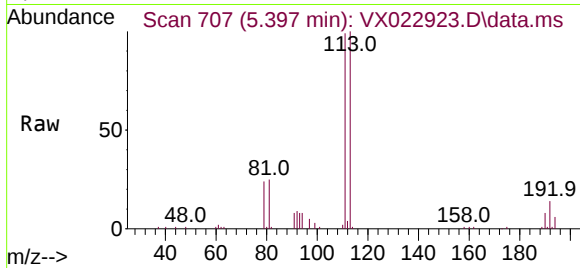




#35
Dibromofluoromethane
Concen: 50.04 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

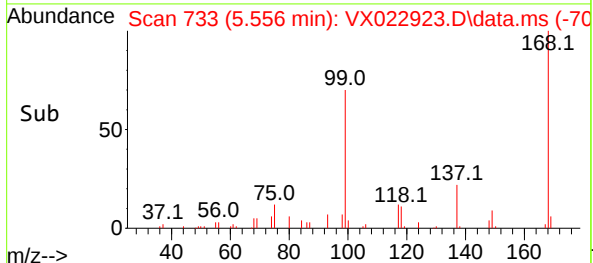
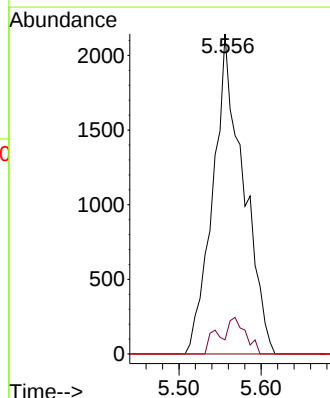
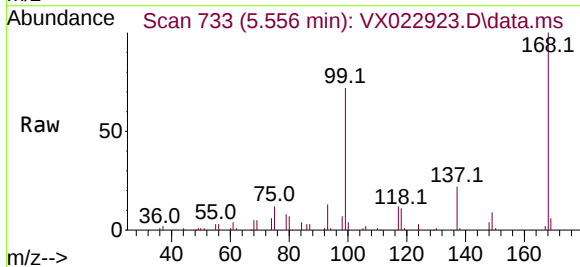
Instrument :
MSVOA_X
ClientSampled :

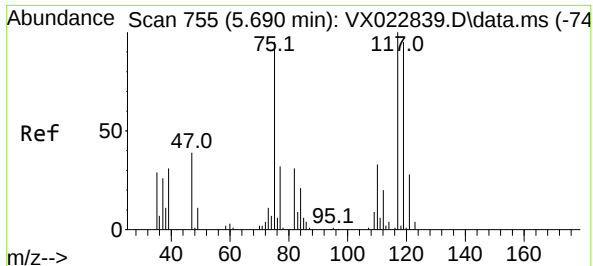
Tgt Ion:113 Resp: 34021
Ion Ratio Lower Upper
113 100
111 101.6 81.9 122.9
192 14.4 16.7 25.1#



#36
1,1-Dichloropropene
Concen: 4.84 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

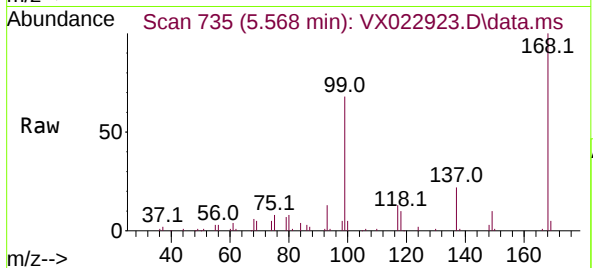
Tgt Ion: 75 Resp: 5500
Ion Ratio Lower Upper
75 100
110 3.4 18.1 54.4#
77 0.0 25.3 37.9#



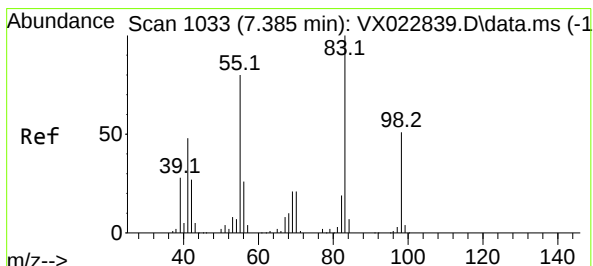
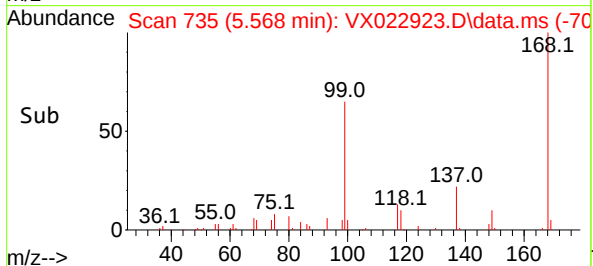
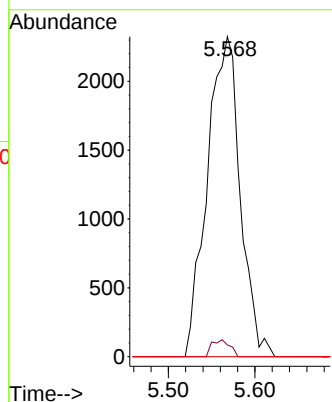


#38
Carbon Tetrachloride
Concen: 6.44 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

Instrument :
MSVOA_X
ClientSampleId :

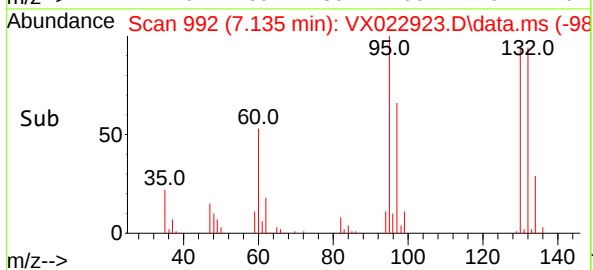
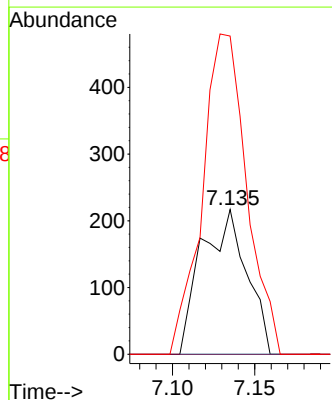
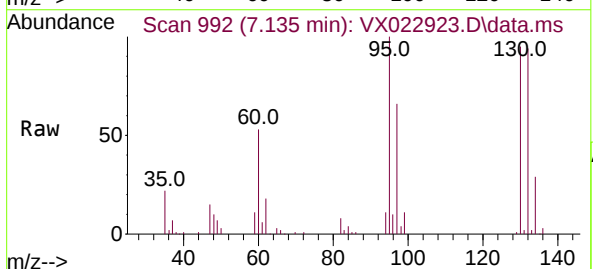


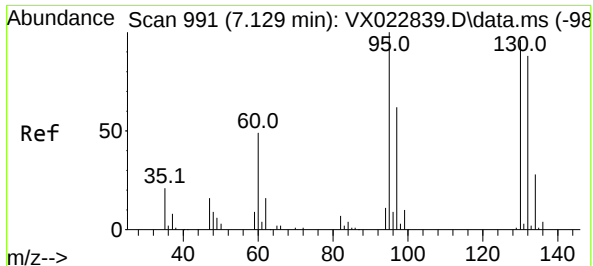
Tgt Ion:117 Resp: 6142
Ion Ratio Lower Upper
117 100
119 3.7 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.31 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

Tgt Ion: 83 Resp: 414
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 219.8 38.1 57.1#

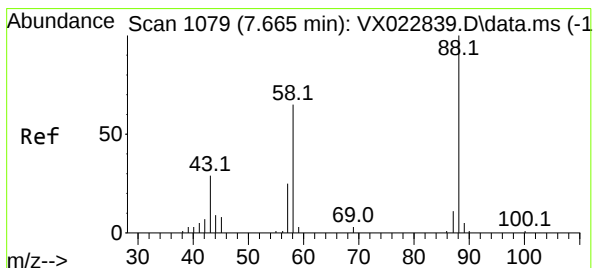
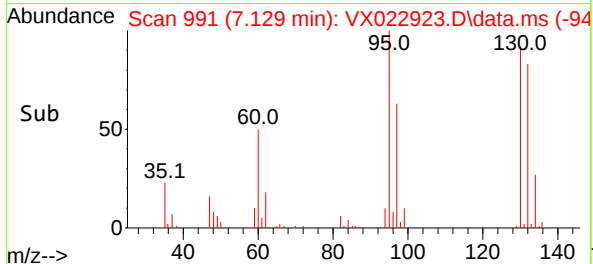
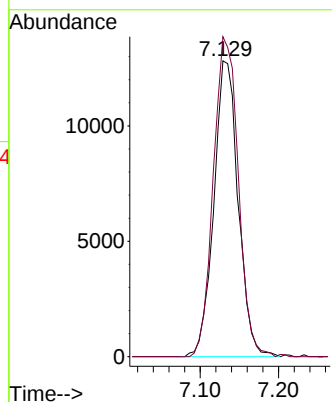
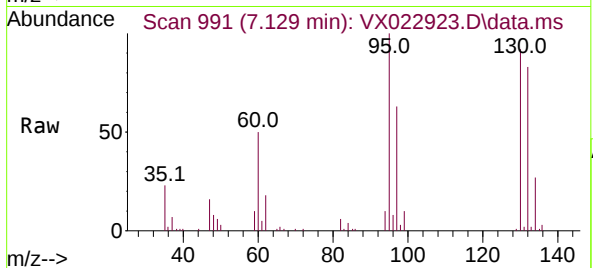




#44
Trichloroethene
Concen: 35.62 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

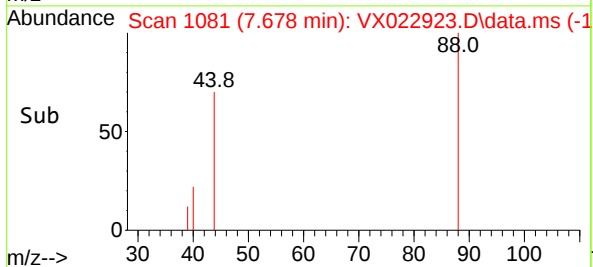
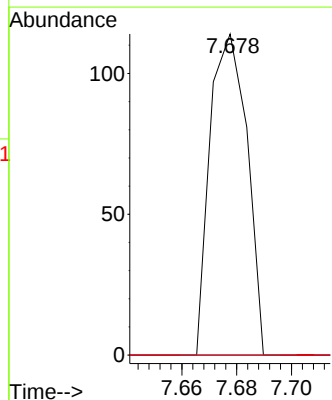
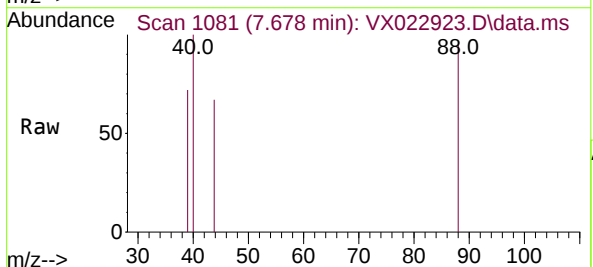
Instrument :
MSVOA_X
ClientSampled :

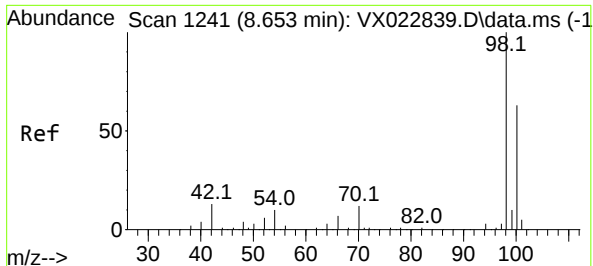
Tgt Ion:130 Resp: 27700
Ion Ratio Lower Upper
130 100
95 108.2 0.0 198.0



#49
1,4-Dioxane
Concen: 5.07 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.013 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

Tgt Ion: 88 Resp: 107
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 0.0 55.0 82.4#

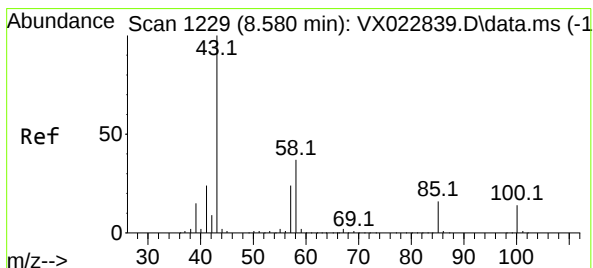
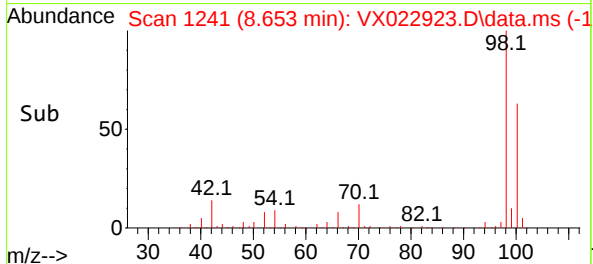
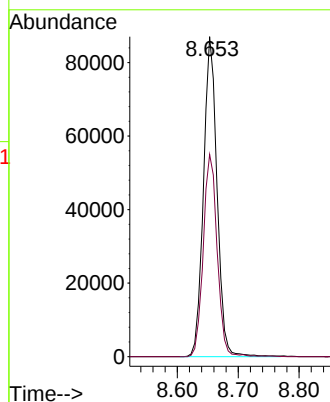
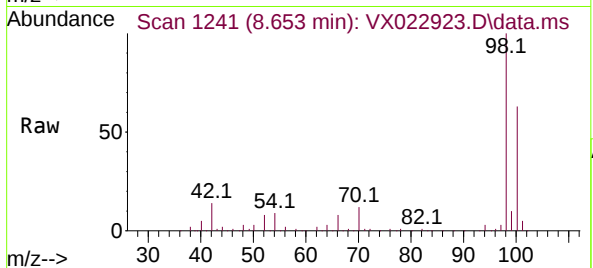




#50
Toluene-d8
Concen: 50.62 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

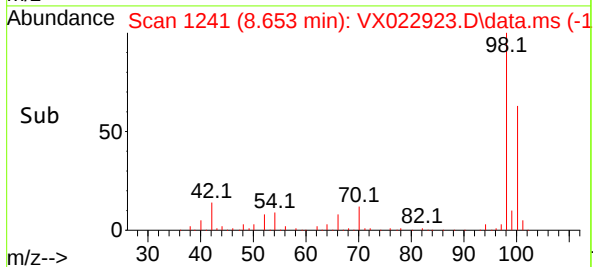
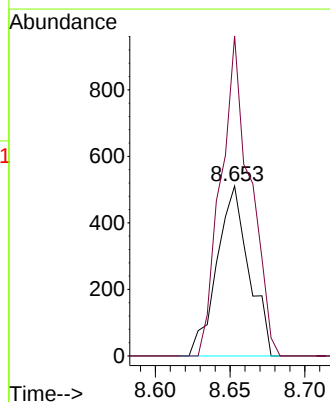
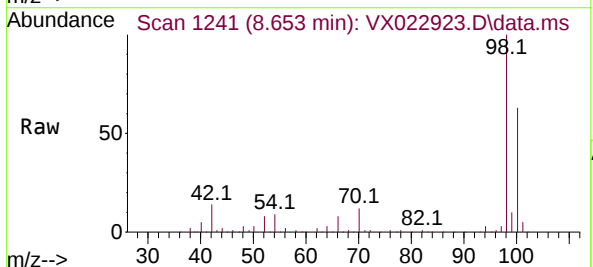
Instrument :
MSVOA_X
ClientSampled :

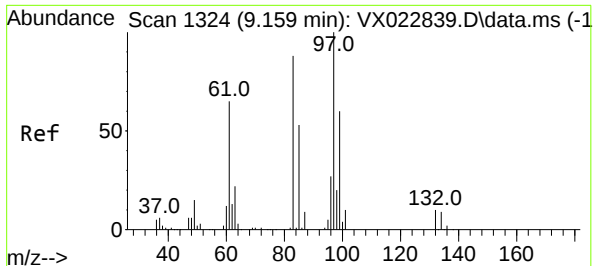
Tgt Ion: 98 Resp: 134862
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.58 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

Tgt Ion: 43 Resp: 760
Ion Ratio Lower Upper
43 100
58 173.2 35.4 53.0#



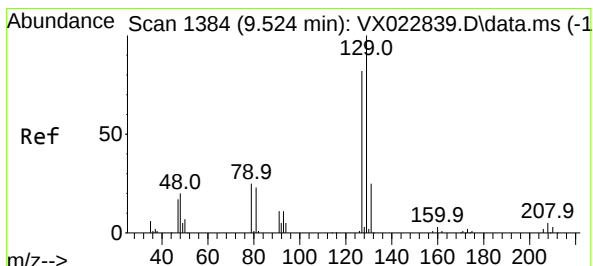
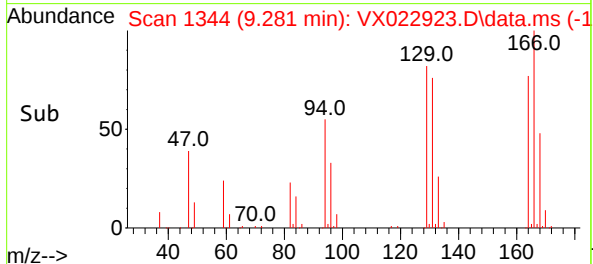
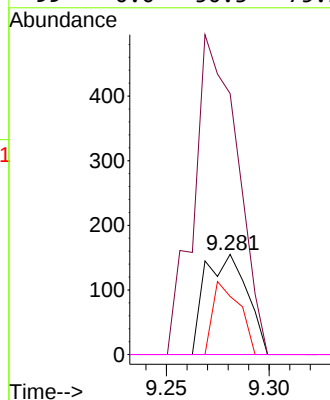
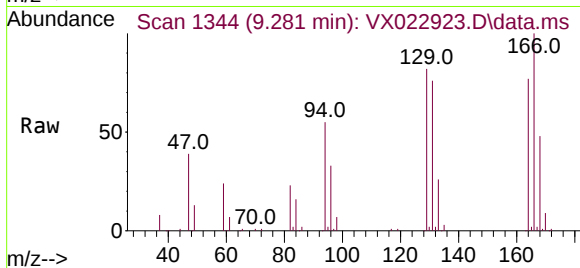


#55
1,1,2-Trichloroethane
Concen: 0.28 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.122 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 97 Resp: 221

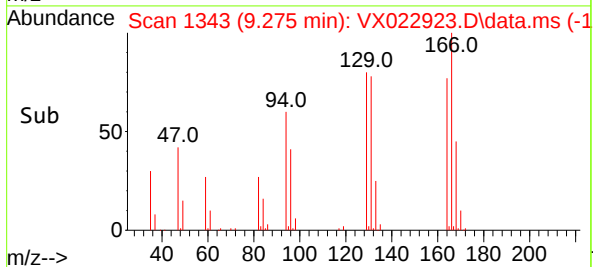
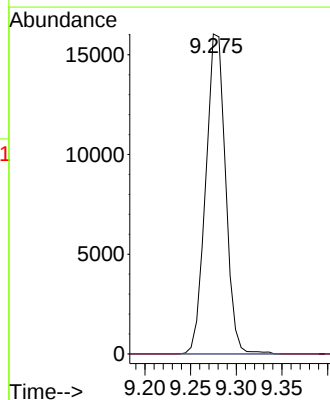
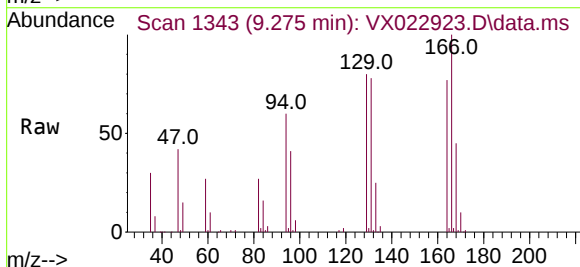
Ion	Ratio	Lower	Upper
97	100		
83	260.6	69.3	103.9#
85	58.1	44.3	66.5
99	0.0	50.3	75.5#

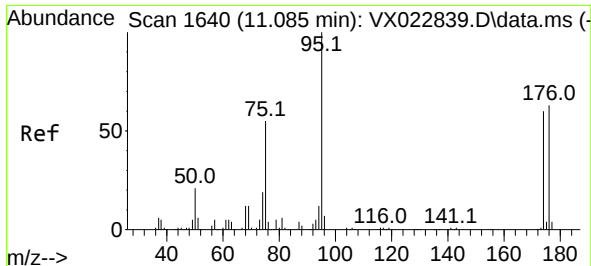


#60
Dibromochloromethane
Concen: 32.38 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.249 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

Tgt Ion: 129 Resp: 24141

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

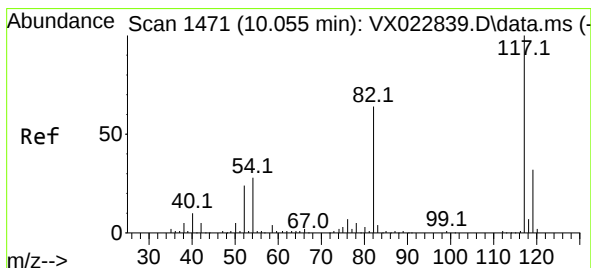
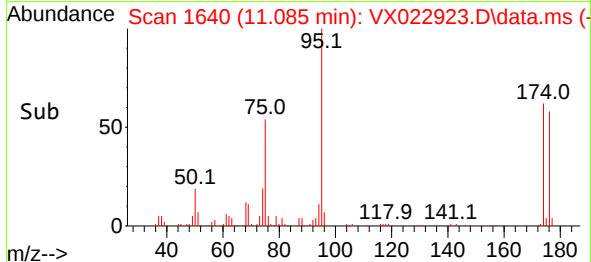
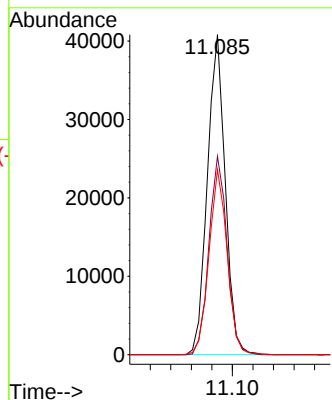
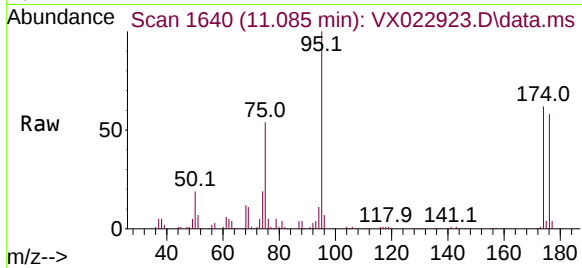




#62
4-Bromofluorobenzene
Concen: 49.53 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

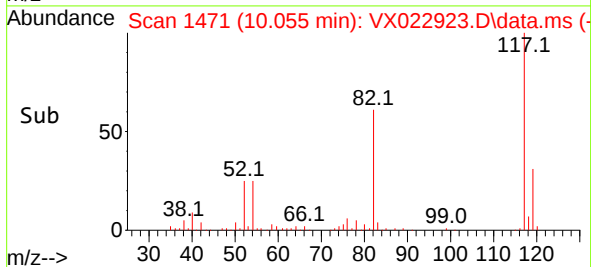
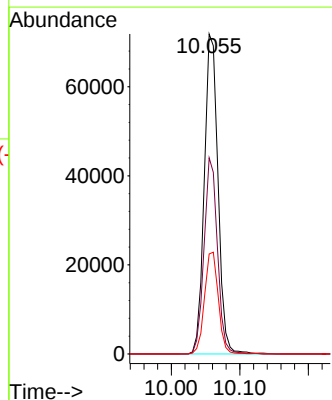
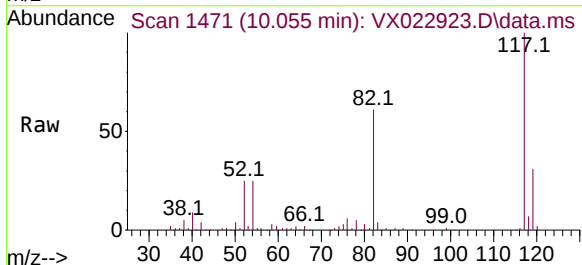
Instrument :
MSVOA_X
ClientSampleId :

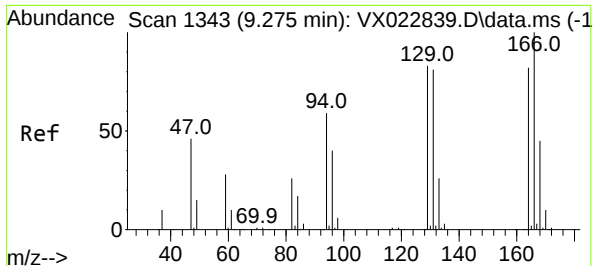
Tgt Ion: 95 Resp: 49254
Ion Ratio Lower Upper
95 100
174 62.7 0.0 154.6
176 58.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

Tgt Ion: 117 Resp: 100254
Ion Ratio Lower Upper
117 100
82 61.3 47.4 71.2
119 31.2 26.6 39.8



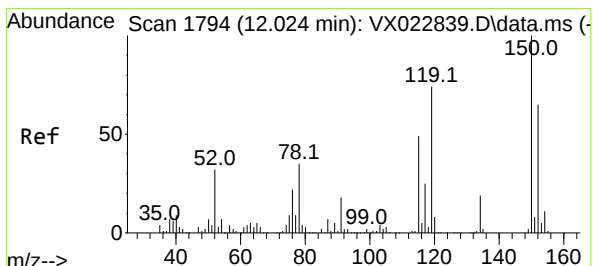
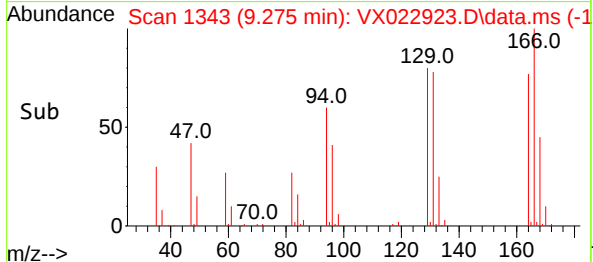
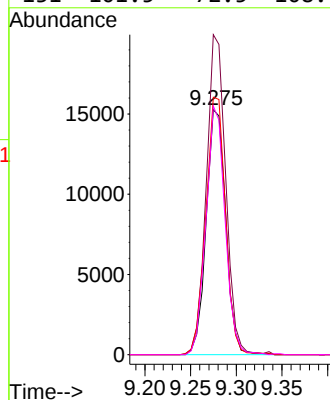
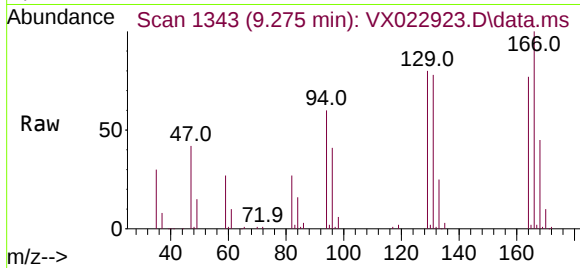


#64
Tetrachloroethene
Concen: 32.11 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:164 Resp: 22621

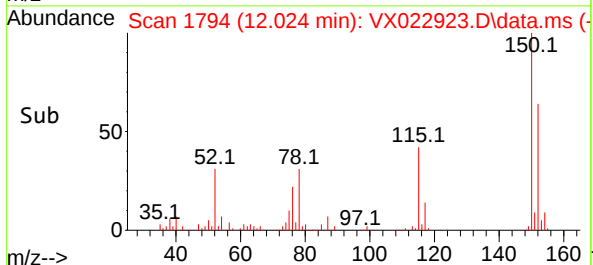
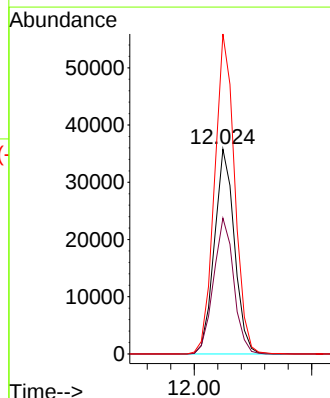
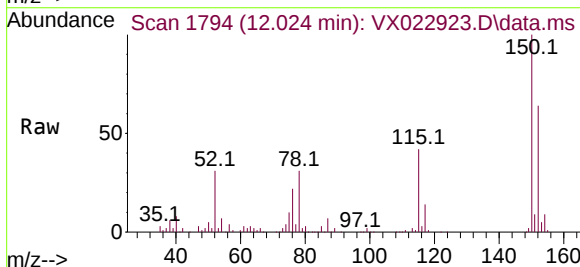
Ion	Ratio	Lower	Upper
164	100		
166	130.6	103.4	155.2
129	105.1	70.8	106.2
131	101.5	72.5	108.7

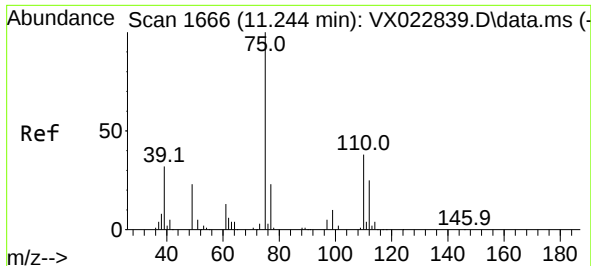


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

Tgt Ion:152 Resp: 42472

Ion	Ratio	Lower	Upper
152	100		
115	66.6	41.1	123.3
150	156.4	0.0	349.0

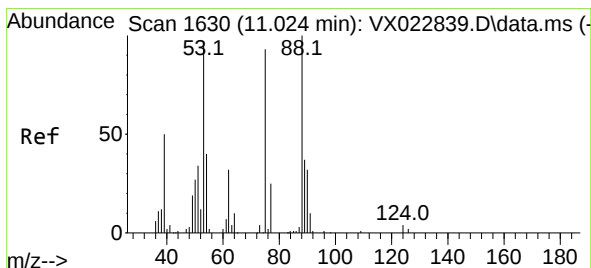
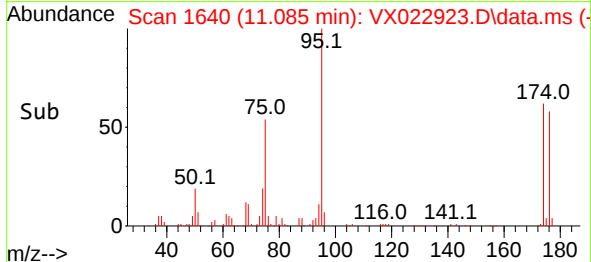
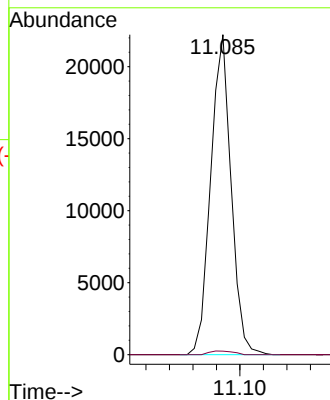
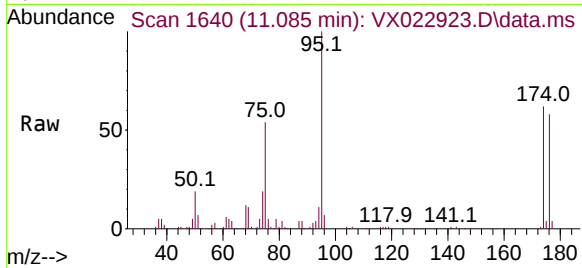




#76
1,2,3-Trichloropropane
Concen: 23.88 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

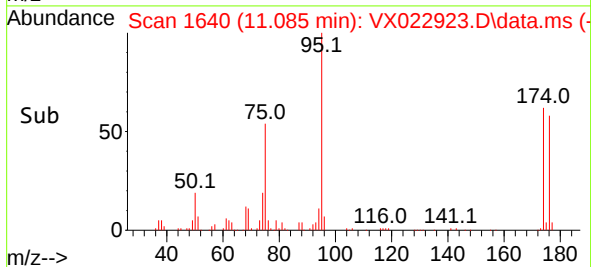
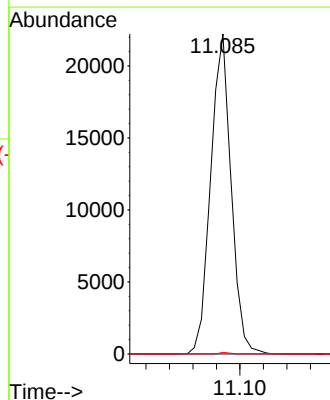
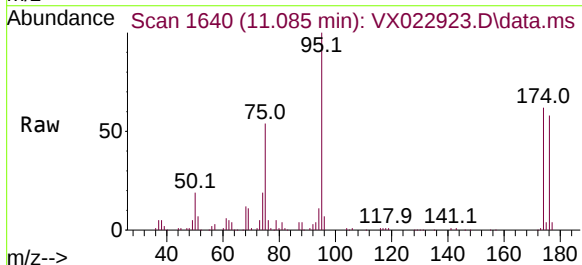
Instrument :
MSVOA_X
ClientSampled :

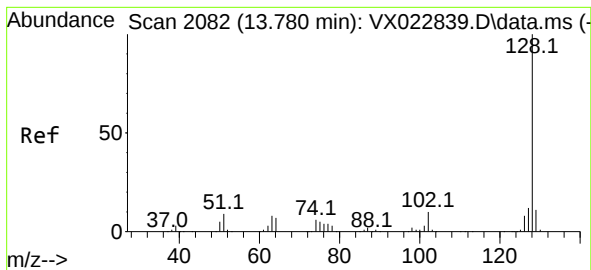
Tgt Ion: 75 Resp: 26785
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.60 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

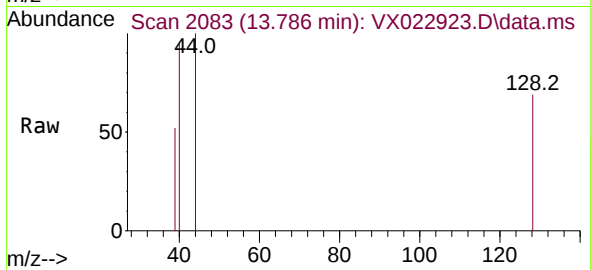
Tgt Ion: 75 Resp: 26785
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.2 37.9 56.9#





#95
Naphthalene
Concen: 1.94 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX022923.D
Acq: 25 Jun 2021 15:16

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 49
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

