

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082721\
 Data File : VX023986.D
 Acq On : 27 Aug 2021 12:47
 Operator : JC/MD
 Sample : M3535-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 28 04:55:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

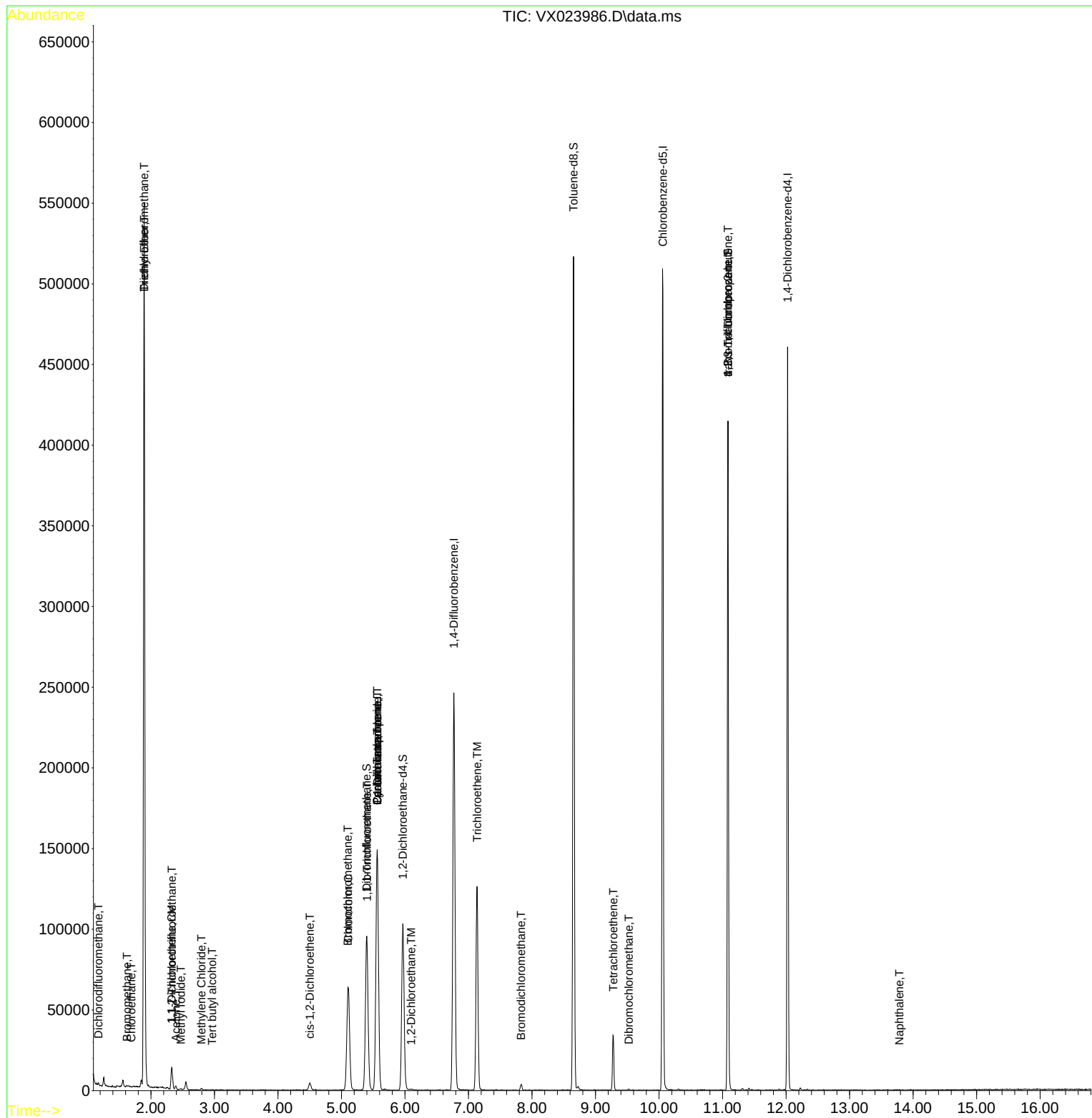
Internal Standards						
1) Pentafluorobenzene	5.562	168	138521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	238469	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	222342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103508	53.539	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.080%			
35) Dibromofluoromethane	5.397	113	80244	50.840	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	8.653	98	288782	48.071	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.140%			
62) 4-Bromofluorobenzene	11.085	95	99876	45.163	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	959	0.656	ug/l	91
5) Bromomethane	1.623	94	602	0.612	ug/l #	72
6) Chloroethane	1.690	64	121	2.306	ug/l #	43
7) Trichlorofluoromethane	1.892	101	330058	133.573	ug/l	98
8) Diethyl Ether	1.892	74	257	0.298	ug/l #	38
9) 1,1,2-Trichlorotrifluo...	2.331	101	2467	1.774	ug/l	93
10) Methyl Iodide	2.471	142	865	0.447	ug/l #	87
11) Tert butyl alcohol	2.965	59	98	0.251	ug/l #	73
12) 1,1-Dichloroethene	2.324	96	2788	2.097	ug/l	92
16) Acetone	2.392	43	2440	2.823	ug/l #	77
20) Methylene Chloride	2.794	84	420	0.254	ug/l	95
27) cis-1,2-Dichloroethene	4.501	96	2592	1.534	ug/l	87
28) Bromochloromethane	5.098	49	6786	5.496	ug/l #	9
30) Chloroform	5.104	83	77746	27.038	ug/l	96
31) Cyclohexane	5.562	56	3165	1.274	ug/l #	1
32) 1,1,1-Trichloroethane	5.403	97	914	0.371	ug/l #	46
36) 1,1-Dichloropropene	5.562	75	11218	5.080	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14660	6.366	ug/l #	16
42) 1,2-Dichloroethane	6.098	62	552	0.215	ug/l #	73
44) Trichloroethene	7.135	130	47615	26.396	ug/l	99
47) Bromodichloromethane	7.830	83	2371	1.086	ug/l	98
60) Dibromochloromethane	9.524	129	387	1.882	ug/l	93
64) Tetrachloroethene	9.281	164	6410	3.610	ug/l	96
76) 1,2,3-Trichloropropane	11.085	75	54245	25.820	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54245	75.952	ug/l #	12
95) Naphthalene	13.786	128	223	1.315	ug/l #	69

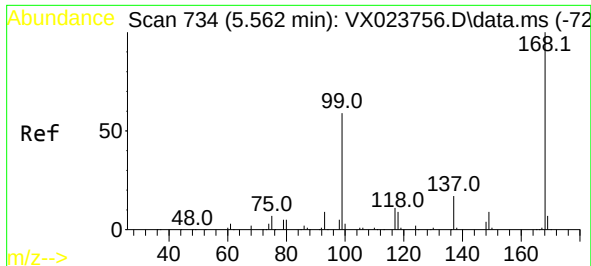
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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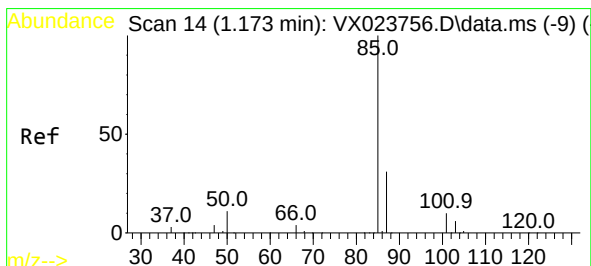
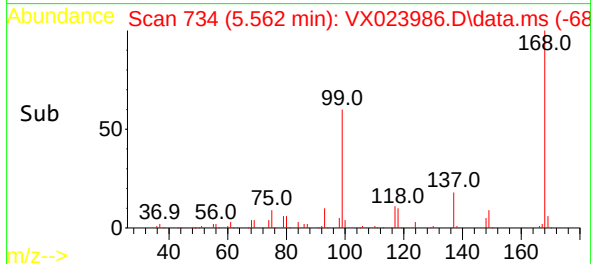
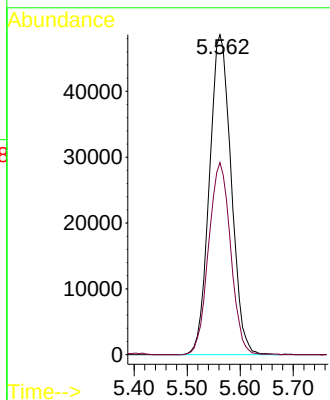
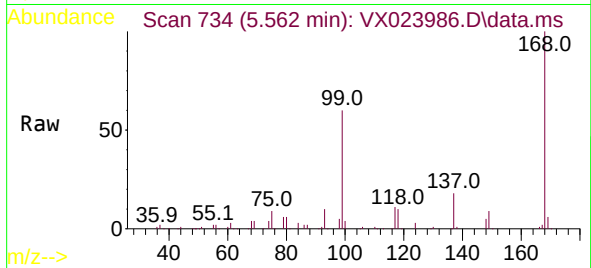




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

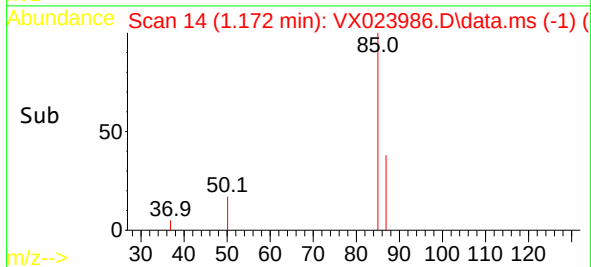
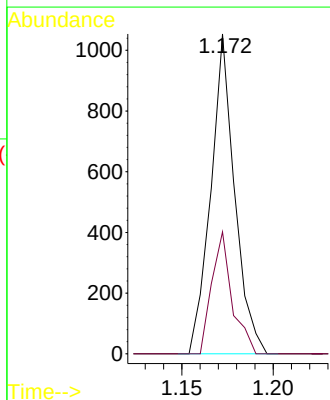
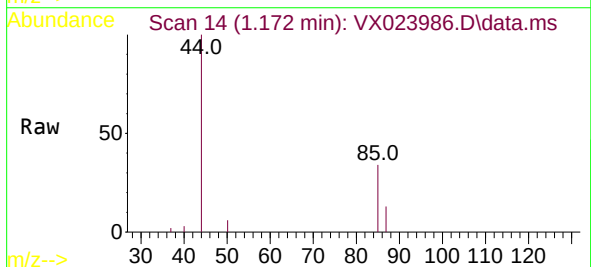
Instrument :
MSVOA_X
ClientSampled :

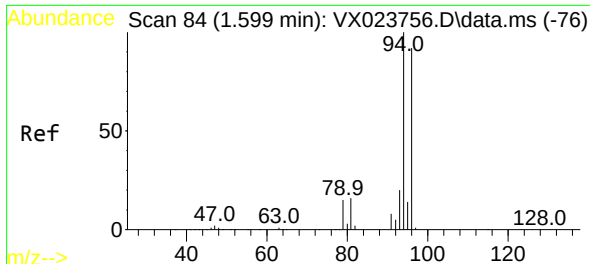
Tgt Ion:168 Resp: 138521
Ion Ratio Lower Upper
168 100
99 60.0 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.656 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.001 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

Tgt Ion: 85 Resp: 959
Ion Ratio Lower Upper
85 100
87 38.1 16.4 49.2

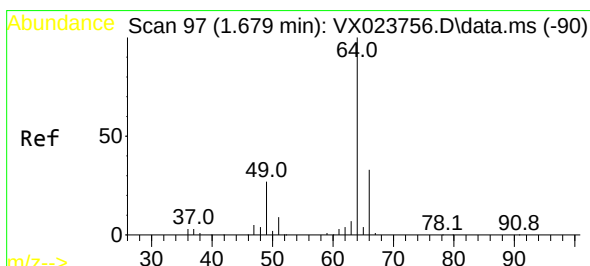
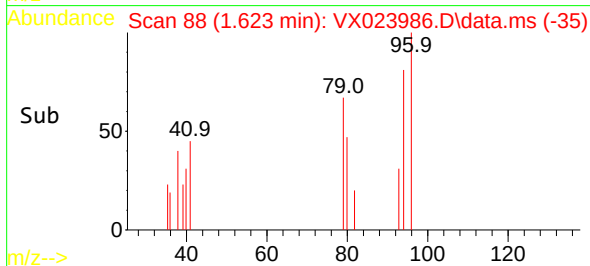
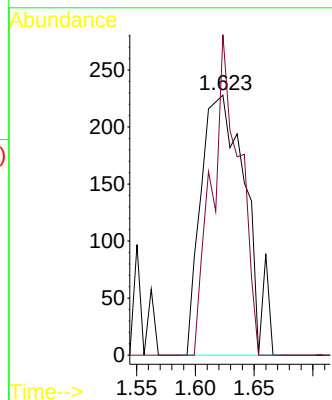
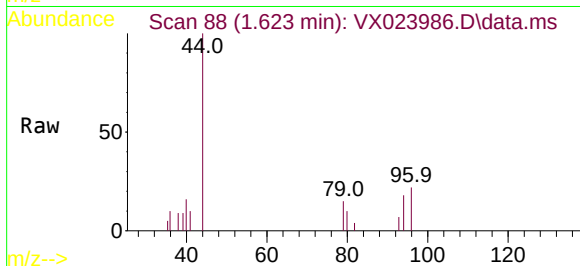




#5
Bromomethane
Concen: 0.612 ug/l
RT: 1.623 min Scan# 88
Delta R.T. 0.024 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

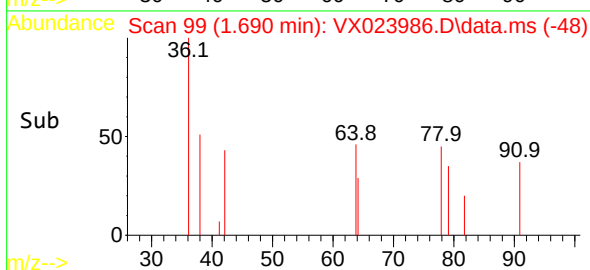
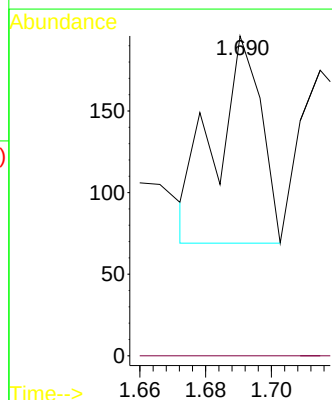
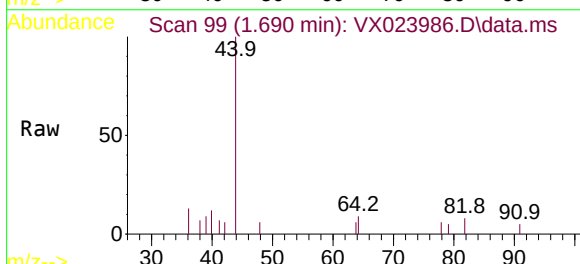
Instrument :
MSVOA_X
ClientSampled :

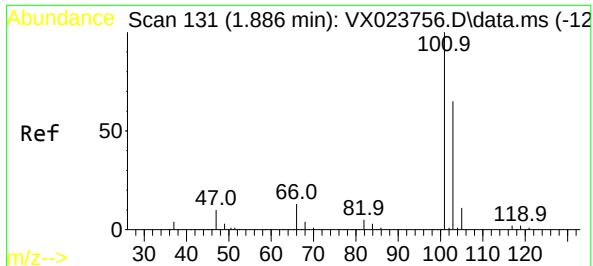
Tgt Ion: 94 Resp: 602
Ion Ratio Lower Upper
94 100
96 123.2 76.4 114.6#



#6
Chloroethane
Concen: 2.306 ug/l
RT: 1.690 min Scan# 99
Delta R.T. 0.011 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

Tgt Ion: 64 Resp: 121
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

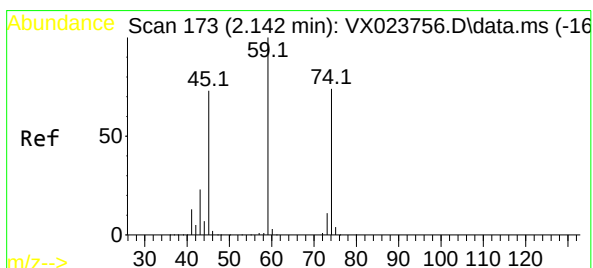
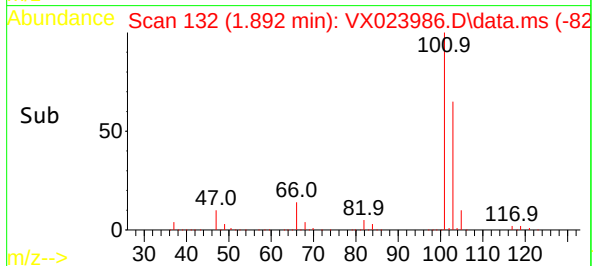
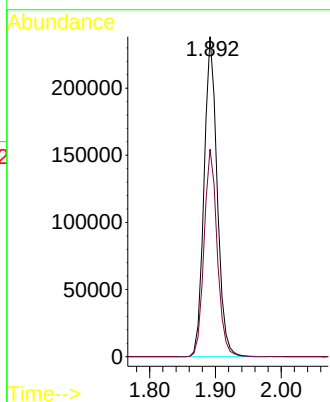
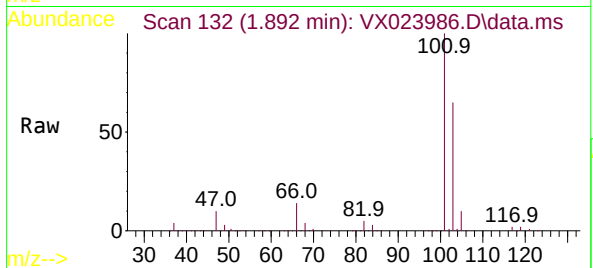




#7
Trichlorofluoromethane
Concen: 133.573 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

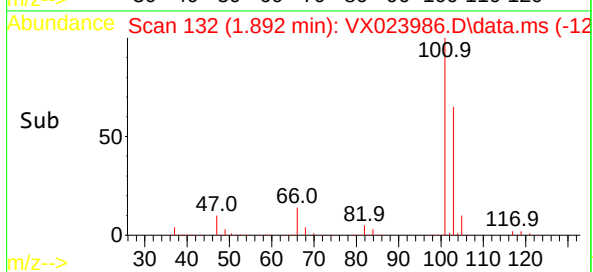
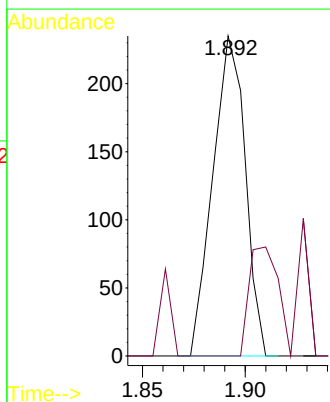
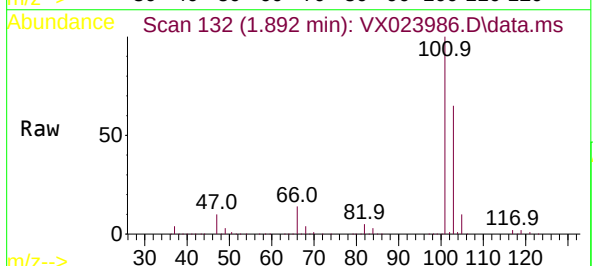
Instrument :
MSVOA_X
ClientSampled :

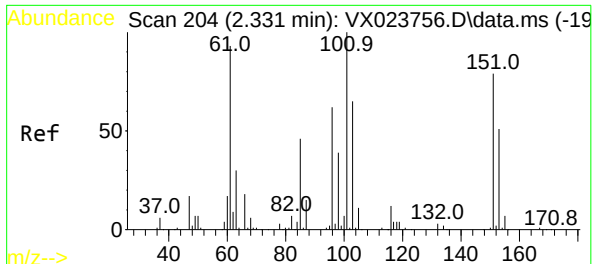
Tgt Ion:101 Resp: 330058
Ion Ratio Lower Upper
101 100
103 64.8 53.2 79.8



#8
Diethyl Ether
Concen: 0.298 ug/l
RT: 1.892 min Scan# 132
Delta R.T. -0.250 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

Tgt Ion: 74 Resp: 257
Ion Ratio Lower Upper
74 100
45 30.7 44.5 133.5#

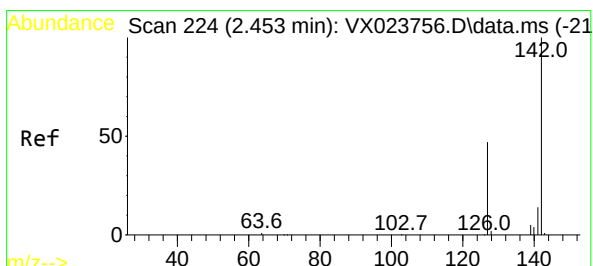
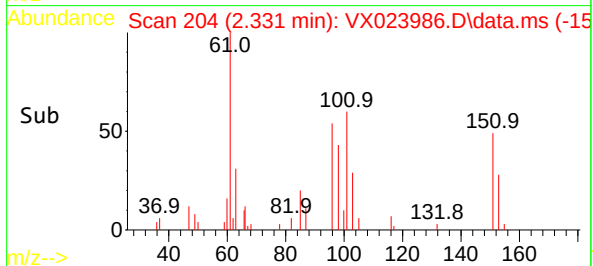
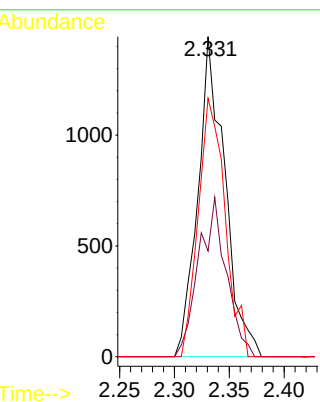
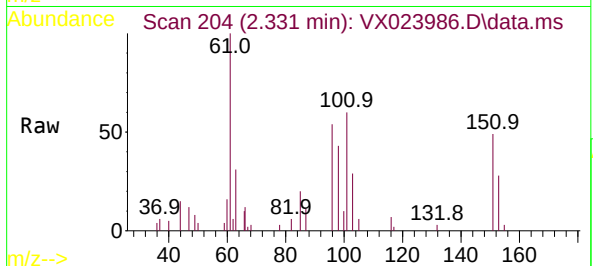




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.774 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

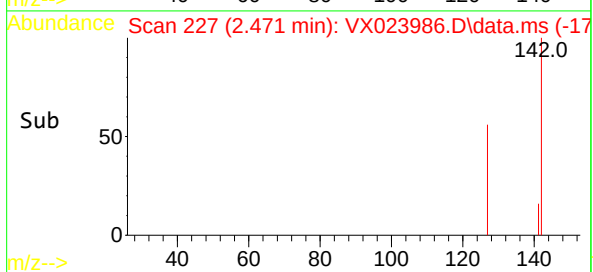
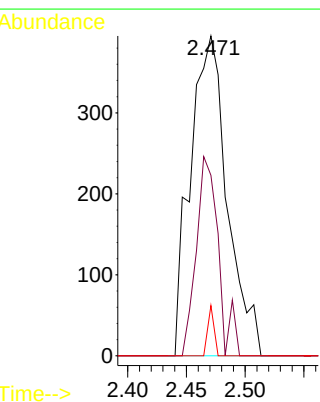
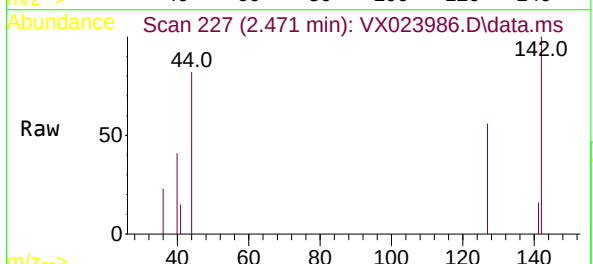
Tgt Ion:101 Resp: 2467
Ion Ratio Lower Upper
101 100
85 51.0 34.9 52.3
151 80.3 61.4 92.2

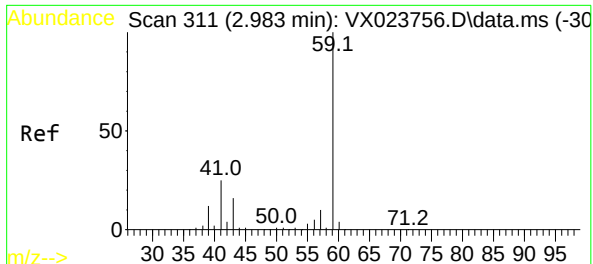
Instrument :
MSVOA_X
ClientSampled :



#10
Methyl Iodide
Concen: 0.447 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

Tgt Ion:142 Resp: 865
Ion Ratio Lower Upper
142 100
127 37.0 33.3 49.9
141 2.7 11.4 17.0#



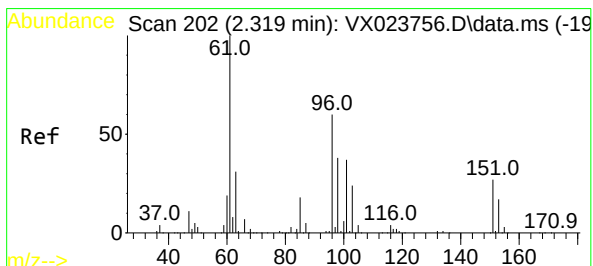
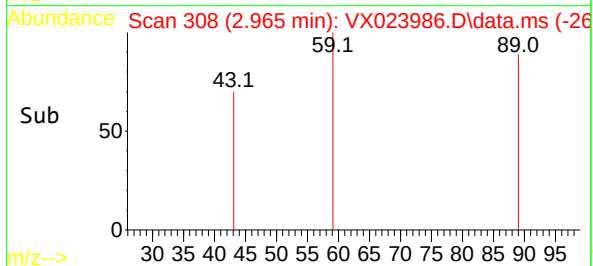
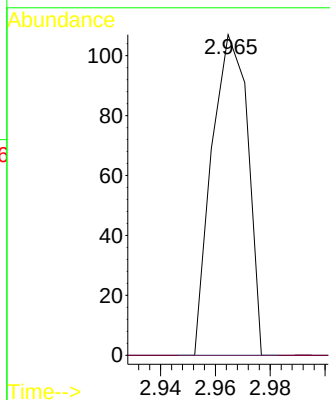
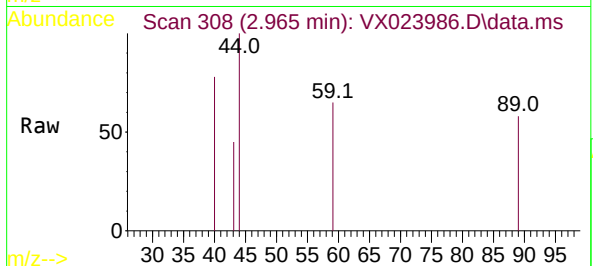


#11

Tert butyl alcohol
Concen: 0.251 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

Instrument :
MSVOA_X
ClientSampled :

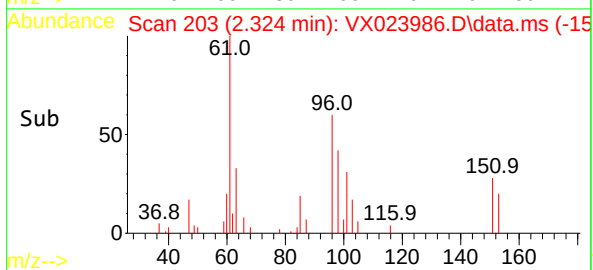
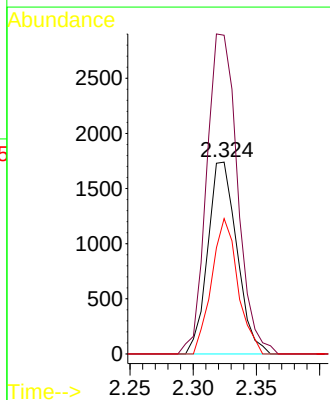
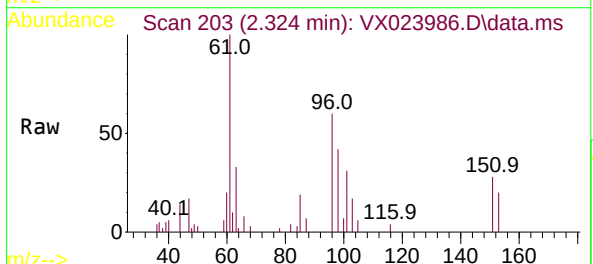
Tgt Ion: 59 Resp: 98
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

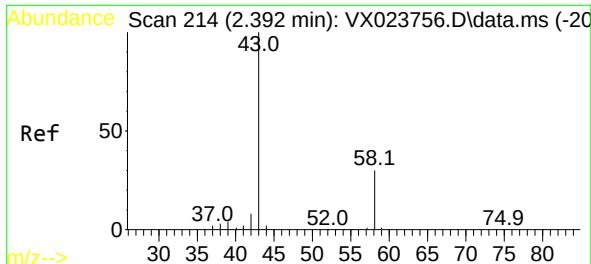


#12

1,1-Dichloroethene
Concen: 2.097 ug/l
RT: 2.324 min Scan# 203
Delta R.T. 0.005 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

Tgt Ion: 96 Resp: 2788
Ion Ratio Lower Upper
96 100
61 166.1 124.6 187.0
98 70.5 50.6 76.0

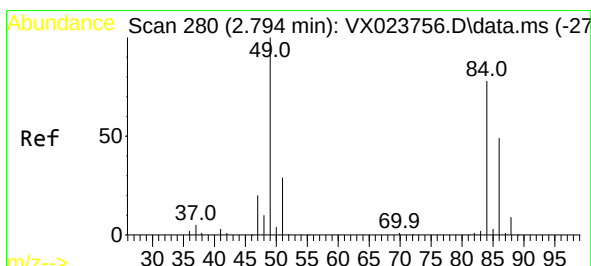
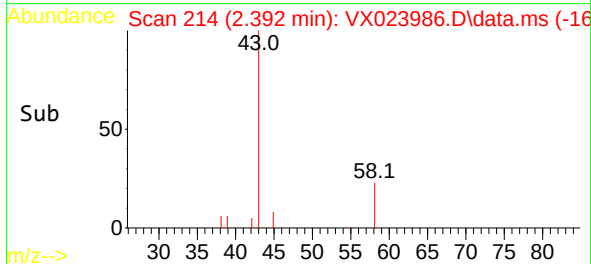
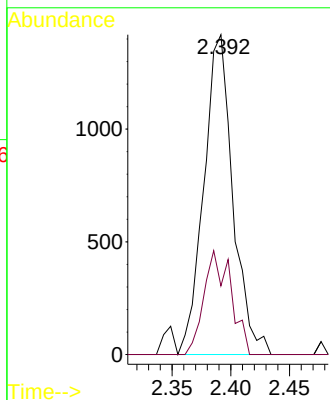
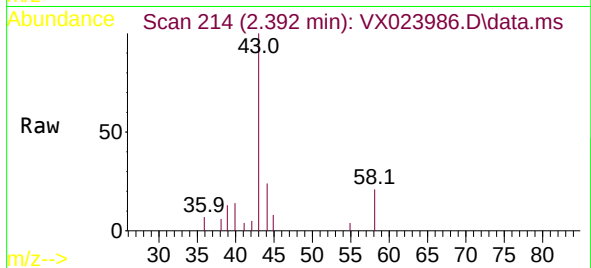




#16
Acetone
Concen: 2.823 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

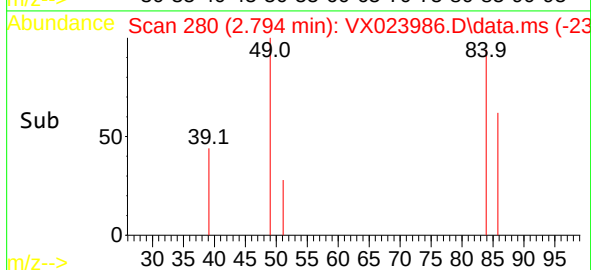
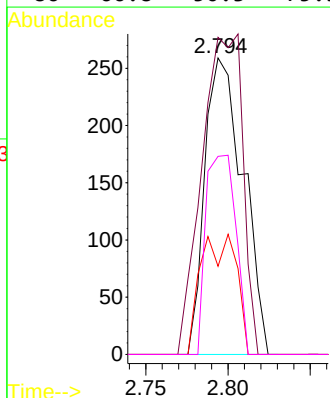
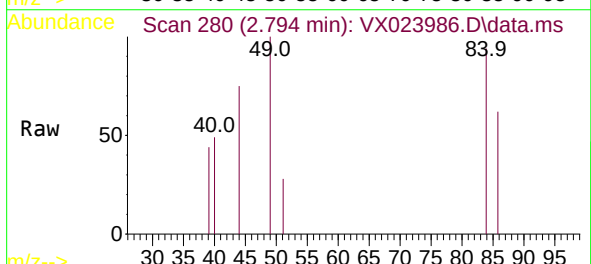
Instrument :
MSVOA_X
ClientSampled :

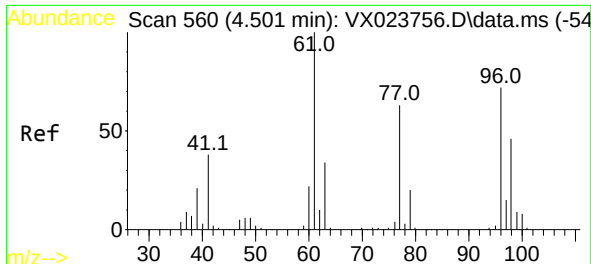
Tgt Ion: 43 Resp: 2440
Ion Ratio Lower Upper
43 100
58 21.5 27.8 41.8#



#20
Methylene Chloride
Concen: 0.254 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

Tgt Ion: 84 Resp: 420
Ion Ratio Lower Upper
84 100
49 106.9 88.6 132.8
51 29.7 27.0 40.6
86 66.8 50.3 75.5





#27

cis-1,2-Dichloroethene

Concen: 1.534 ug/l

RT: 4.501 min Scan# 560

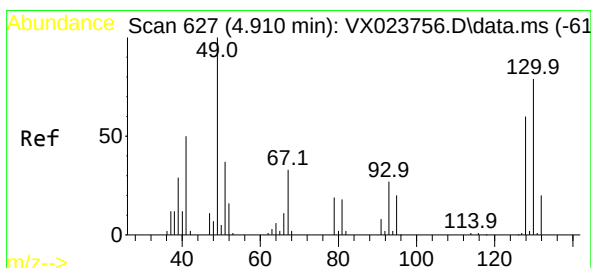
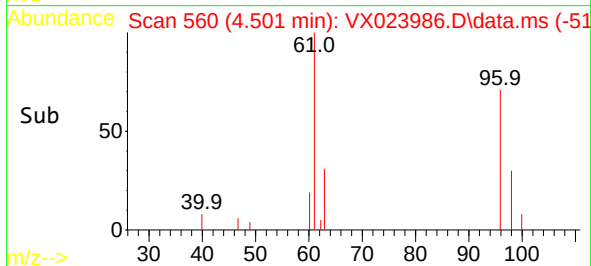
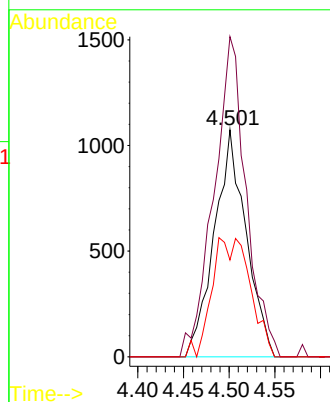
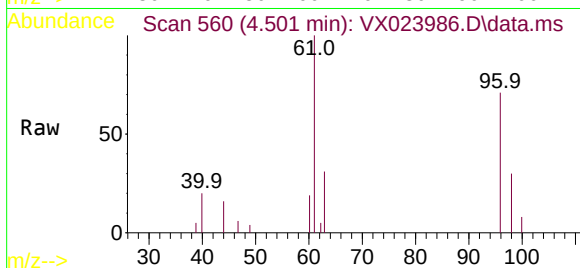
Delta R.T. -0.000 min

Lab File: VX023986.D

Acq: 27 Aug 2021 12:47

Tgt Ion: 96 Resp: 2592

Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	285.6
98	32.6	0.0	129.6



#28

Bromochloromethane

Concen: 5.496 ug/l

RT: 5.098 min Scan# 658

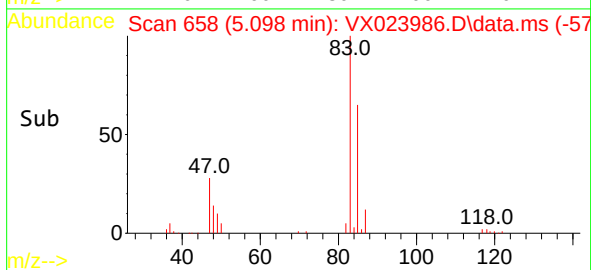
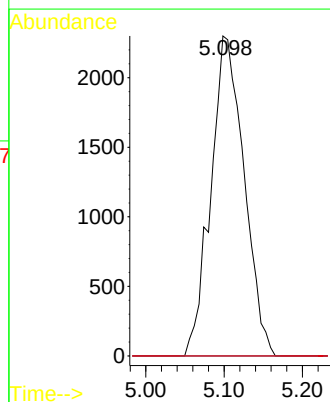
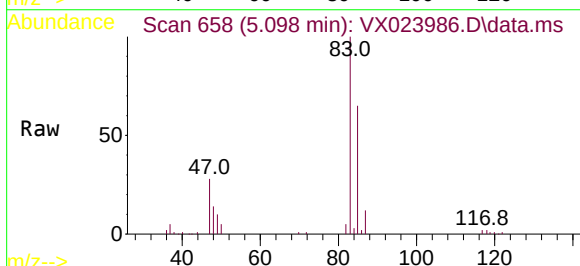
Delta R.T. 0.188 min

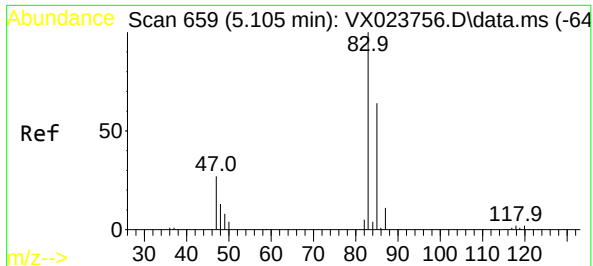
Lab File: VX023986.D

Acq: 27 Aug 2021 12:47

Tgt Ion: 49 Resp: 6786

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	0.0	68.2	102.2#





#30

Chloroform

Concen: 27.038 ug/l

RT: 5.104 min Scan# 659

Delta R.T. -0.001 min

Lab File: VX023986.D

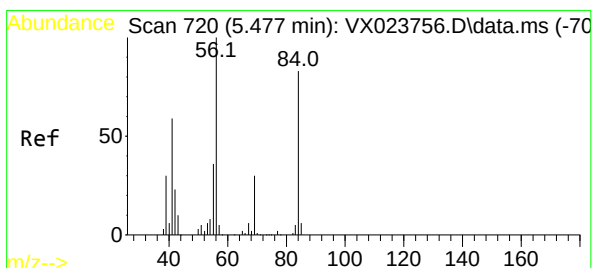
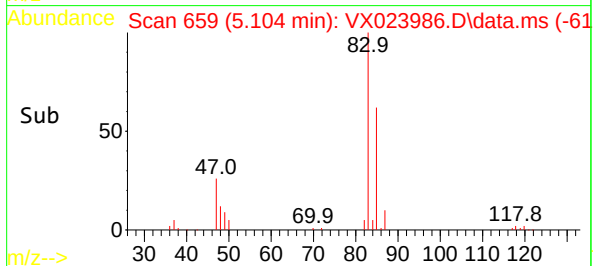
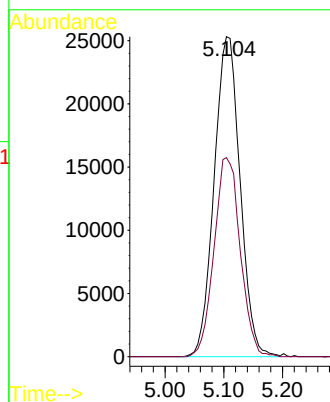
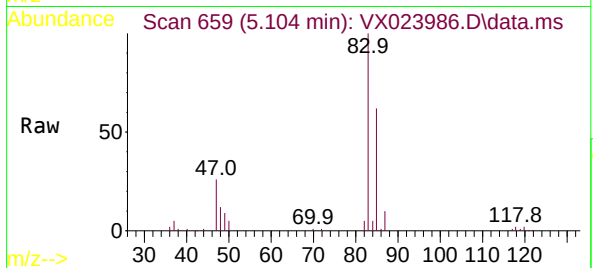
Acq: 27 Aug 2021 12:47

Tgt Ion: 83 Resp: 77746

Ion Ratio Lower Upper

83 100

85 62.2 52.0 78.0



#31

Cyclohexane

Concen: 1.274 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX023986.D

Acq: 27 Aug 2021 12:47

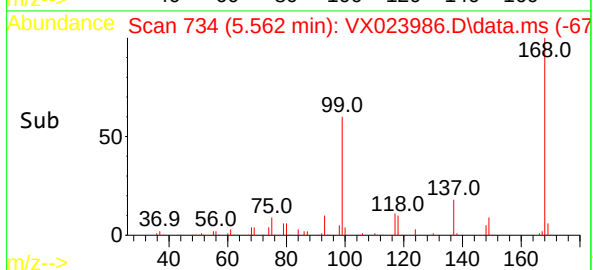
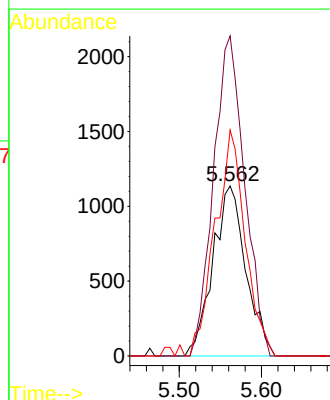
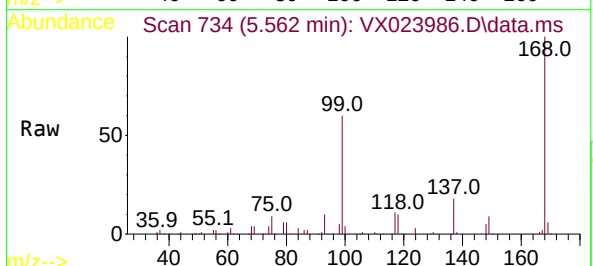
Tgt Ion: 56 Resp: 3165

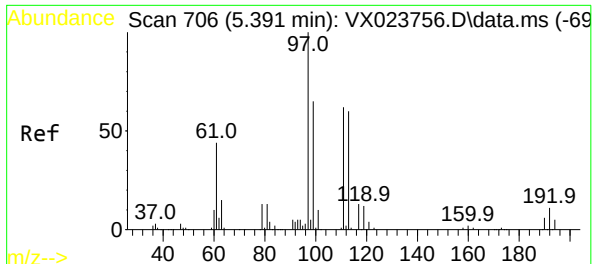
Ion Ratio Lower Upper

56 100

69 188.4 25.3 37.9#

84 133.0 71.4 107.0#

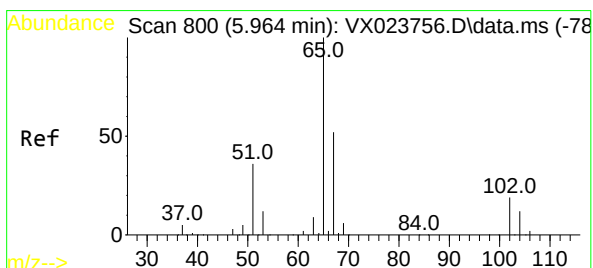
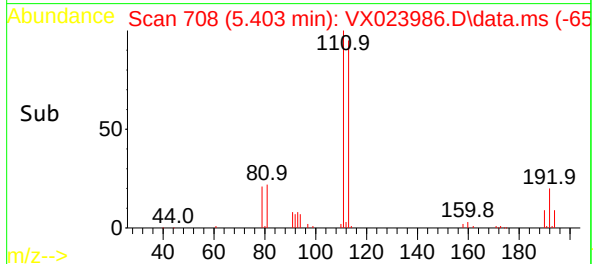
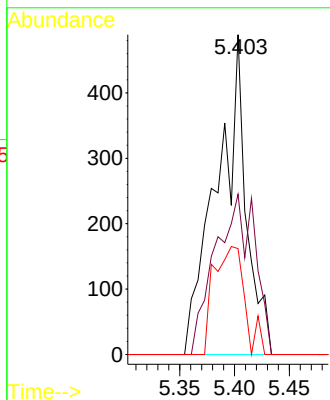
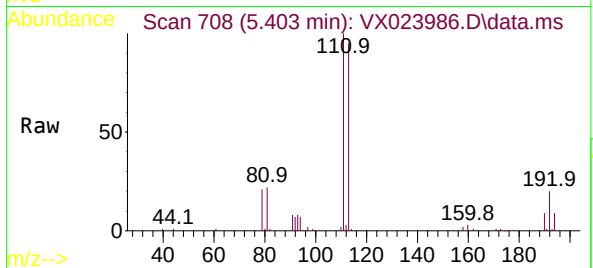




#32
1,1,1-Trichloroethane
Concen: 0.371 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.012 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

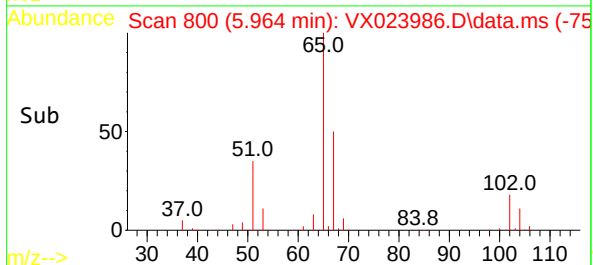
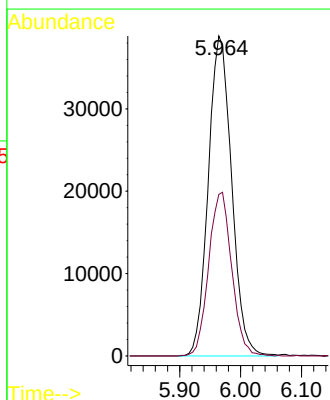
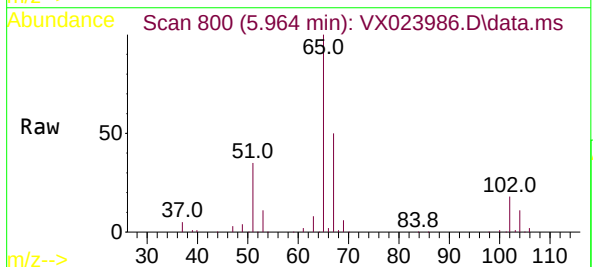
Instrument :
MSVOA_X
ClientSampled :

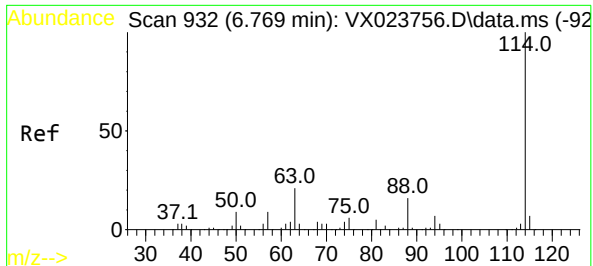
Tgt Ion: 97 Resp: 914
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 35.2 34.2 51.4



#33
1,2-Dichloroethane-d4
Concen: 53.539 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

Tgt Ion: 65 Resp: 103508
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.4

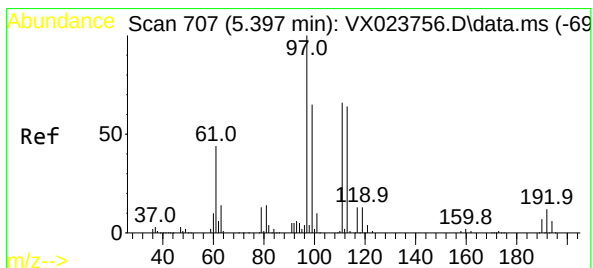
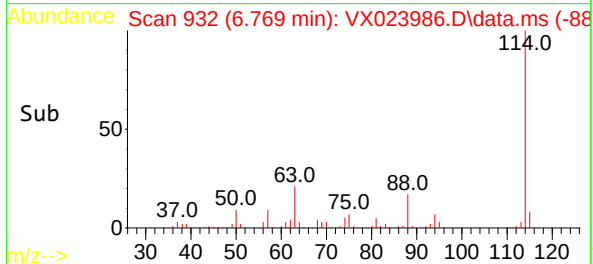
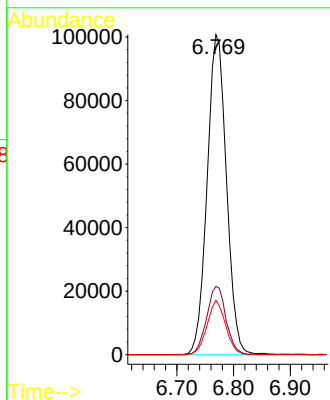
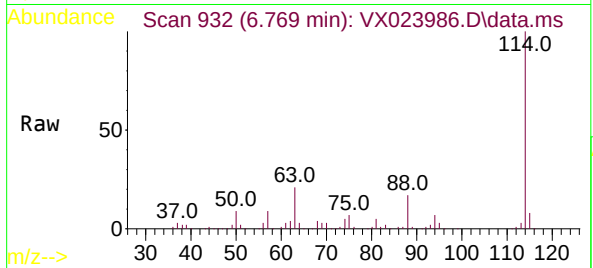




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

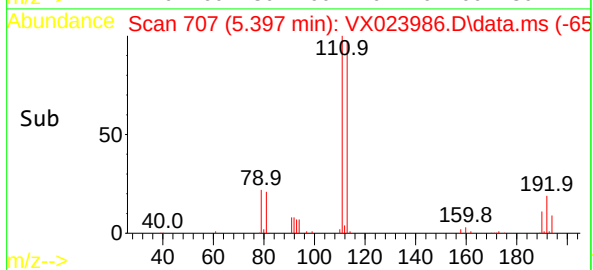
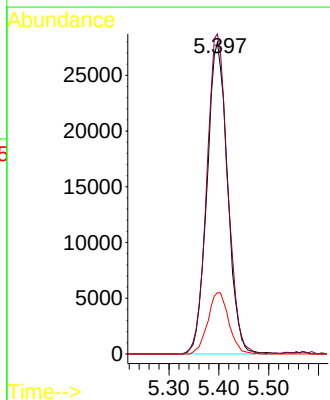
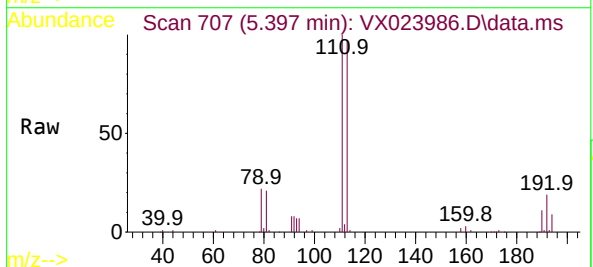
Instrument :
MSVOA_X
ClientSampled :

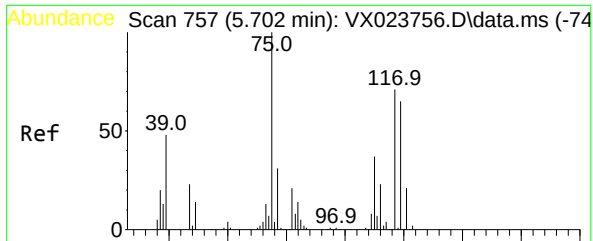
Tgt Ion:114 Resp: 238469
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.840 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

Tgt Ion:113 Resp: 80244
Ion Ratio Lower Upper
113 100
111 103.7 81.9 122.9
192 20.0 16.7 25.1

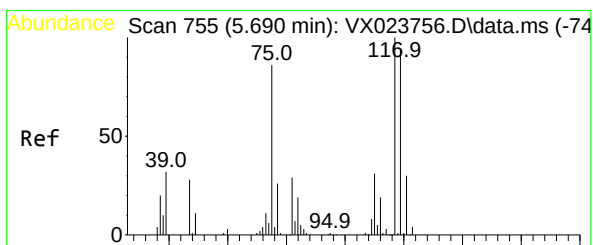
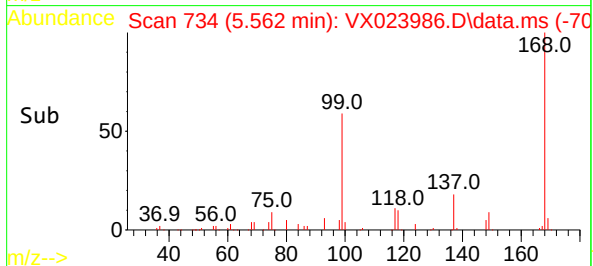
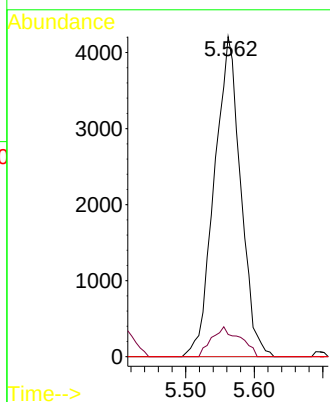
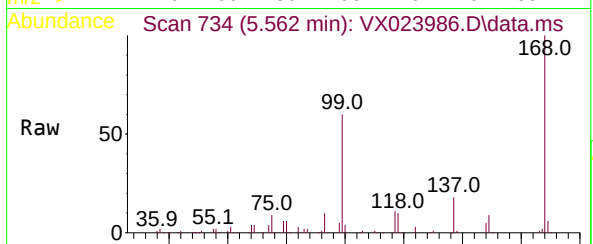




#36
1,1-Dichloropropene
Concen: 5.080 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

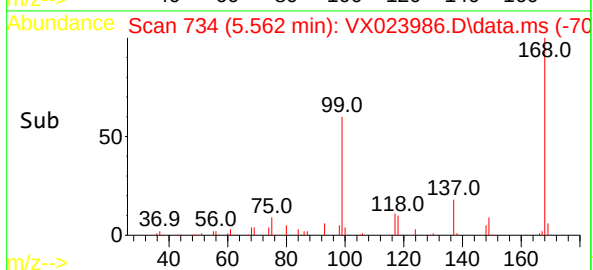
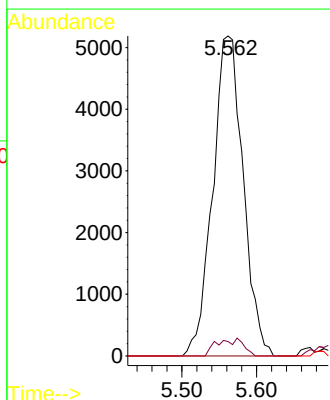
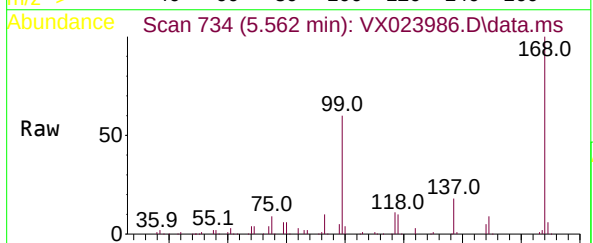
Instrument :
MSVOA_X
ClientSampled :

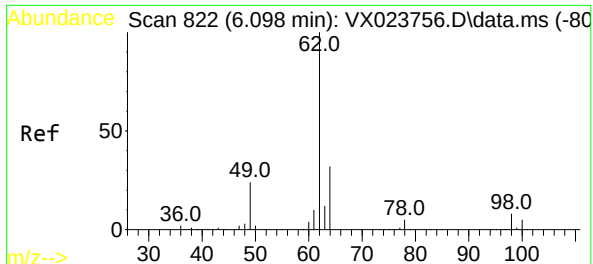
Tgt Ion: 75 Resp: 11218
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.366 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

Tgt Ion: 117 Resp: 14660
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#





#42

1,2-Dichloroethane

Concen: 0.215 ug/l

RT: 6.098 min Scan# 822

Delta R.T. 0.000 min

Lab File: VX023986.D

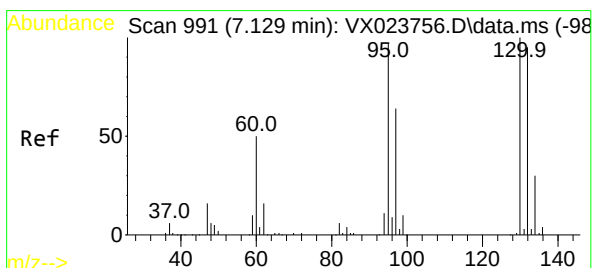
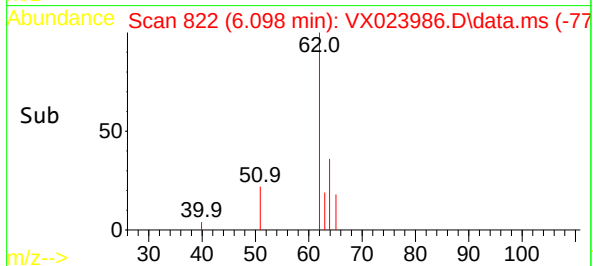
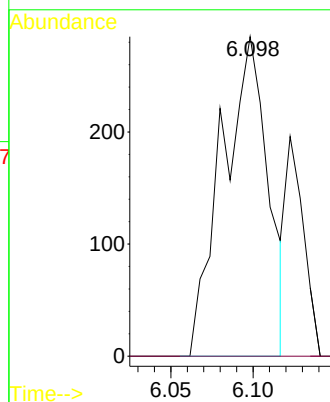
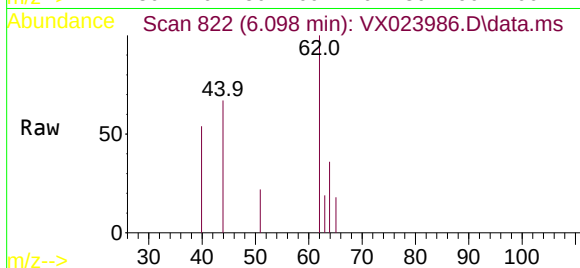
Acq: 27 Aug 2021 12:47

Tgt Ion: 62 Resp: 552

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 26.396 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX023986.D

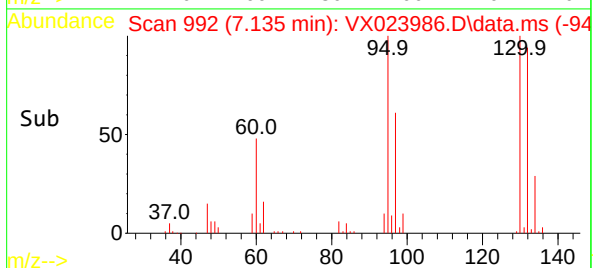
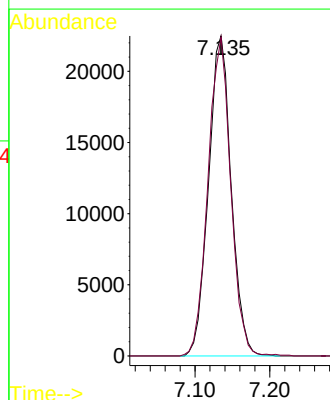
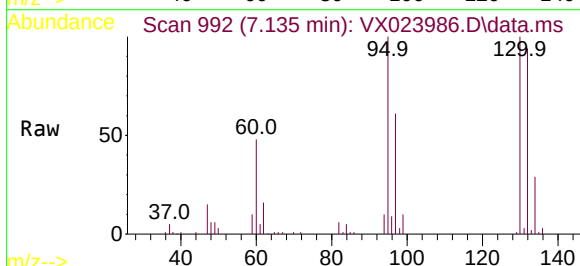
Acq: 27 Aug 2021 12:47

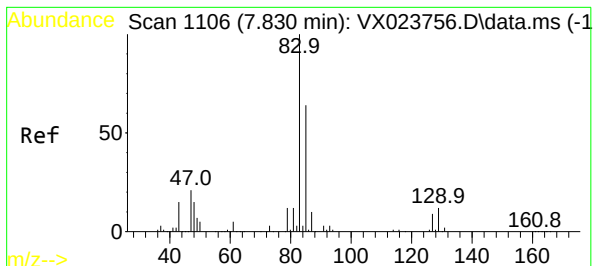
Tgt Ion:130 Resp: 47615

Ion Ratio Lower Upper

130 100

95 99.6 0.0 198.0





#47

Bromodichloromethane

Concen: 1.086 ug/l

RT: 7.830 min Scan# 1106

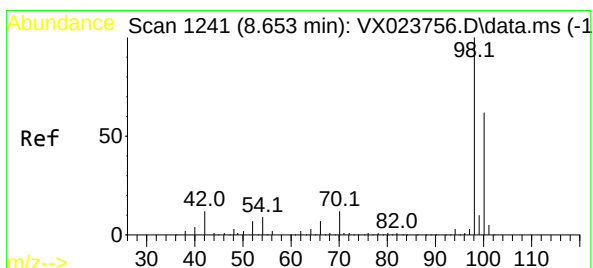
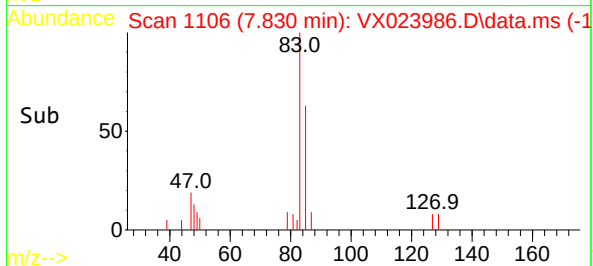
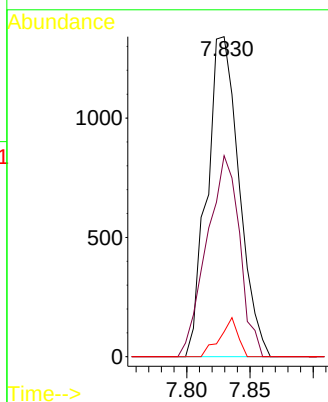
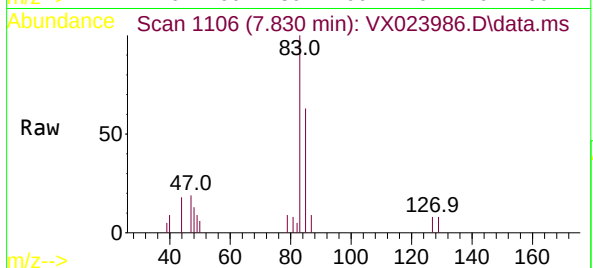
Delta R.T. -0.000 min

Lab File: VX023986.D

Acq: 27 Aug 2021 12:47

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 83	Resp: 2371
Ion Ratio	Lower Upper
83 100	
85 62.8	51.4 77.0
127 7.8	6.8 10.2



#50

Toluene-d8

Concen: 48.071 ug/l

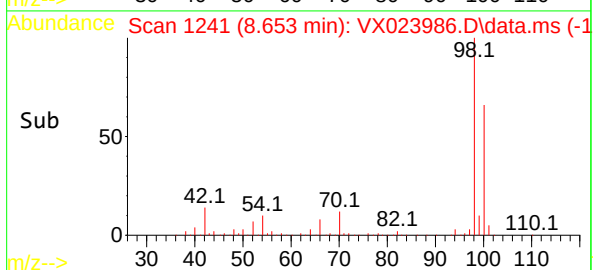
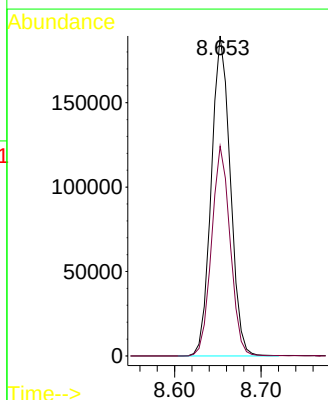
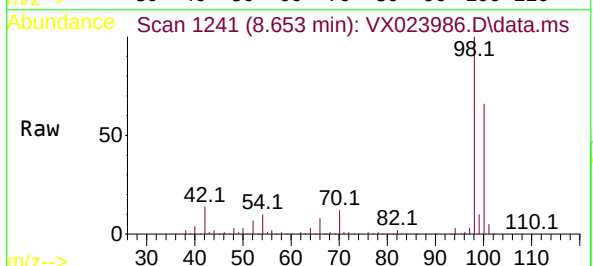
RT: 8.653 min Scan# 1241

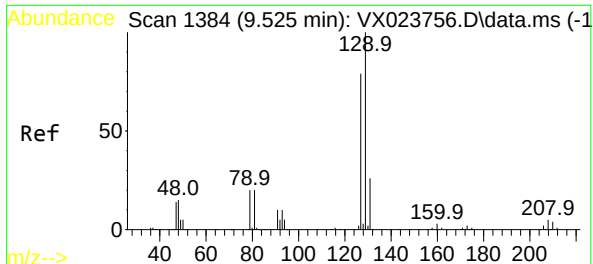
Delta R.T. -0.000 min

Lab File: VX023986.D

Acq: 27 Aug 2021 12:47

Tgt Ion: 98	Resp: 288782
Ion Ratio	Lower Upper
98 100	
100 64.1	51.9 77.9

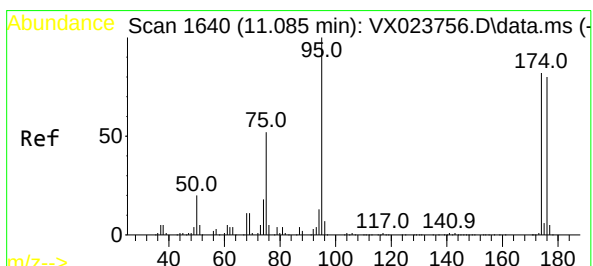
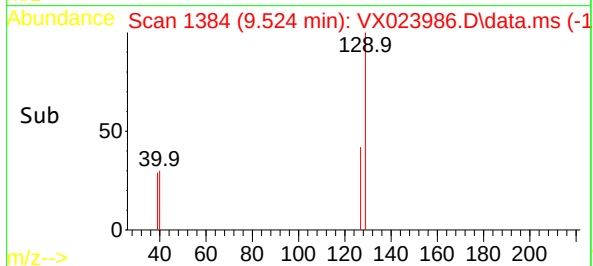
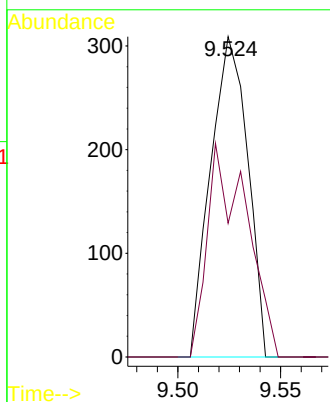
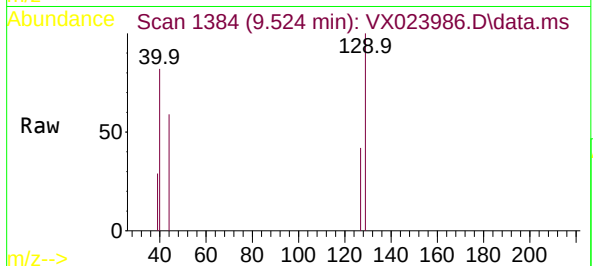




#60
Dibromochloromethane
Concen: 1.882 ug/l
RT: 9.524 min Scan# 1384
Delta R.T. -0.001 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

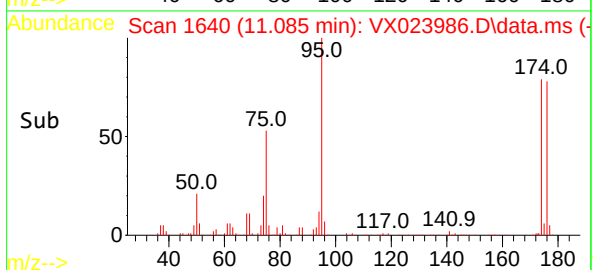
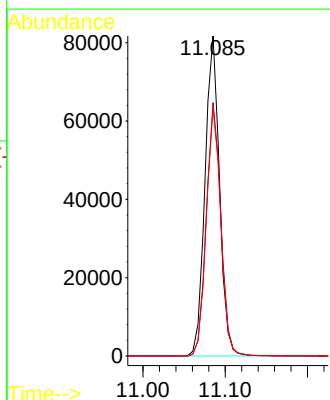
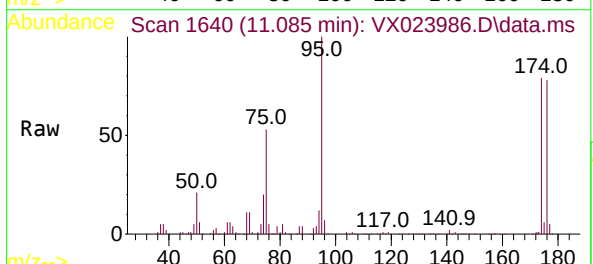
Instrument :
MSVOA_X
ClientSampled :

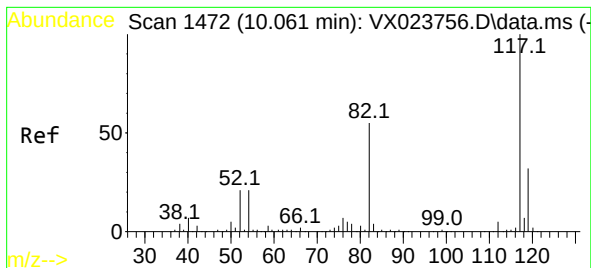
Tgt Ion:129 Resp: 387
Ion Ratio Lower Upper
129 100
127 70.5 38.4 115.2



#62
4-Bromofluorobenzene
Concen: 45.163 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

Tgt Ion: 95 Resp: 99876
Ion Ratio Lower Upper
95 100
174 79.9 0.0 154.6
176 77.6 0.0 155.8

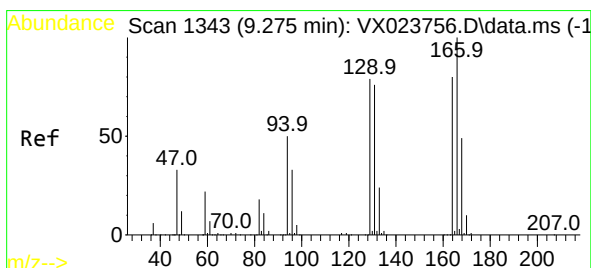
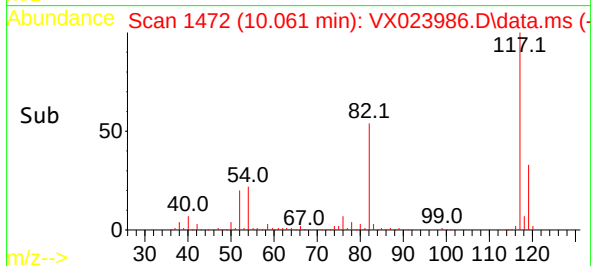
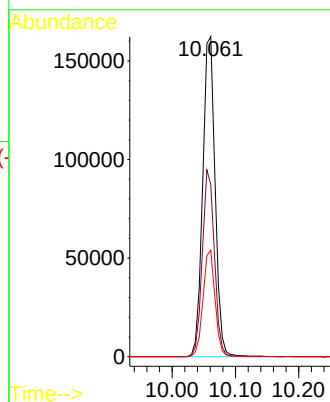
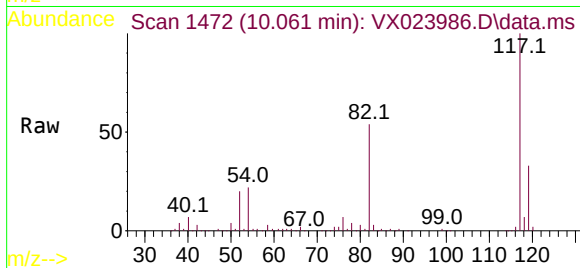




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

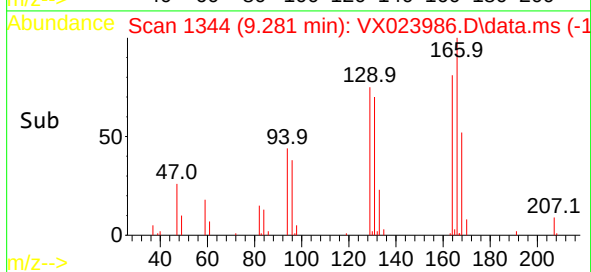
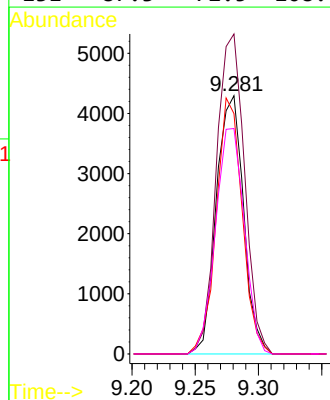
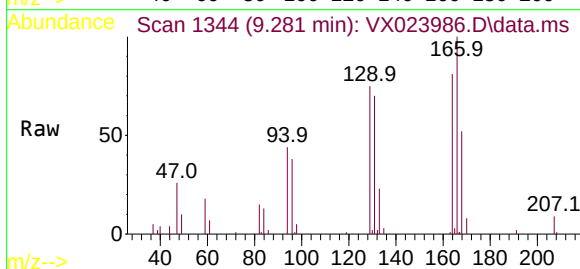
Instrument :
MSVOA_X
ClientSampled :

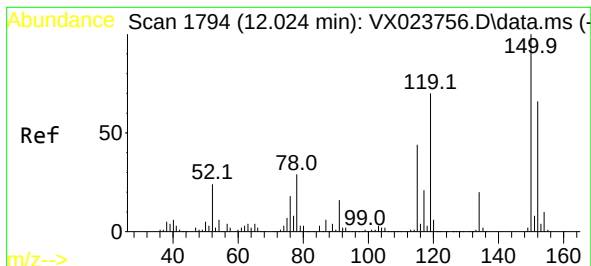
Tgt Ion:117 Resp: 222342
Ion Ratio Lower Upper
117 100
82 53.8 47.4 71.2
119 33.2 26.6 39.8



#64
Tetrachloroethene
Concen: 3.610 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

Tgt Ion:164 Resp: 6410
Ion Ratio Lower Upper
164 100
166 123.9 103.4 155.2
129 93.1 70.8 106.2
131 87.3 72.5 108.7

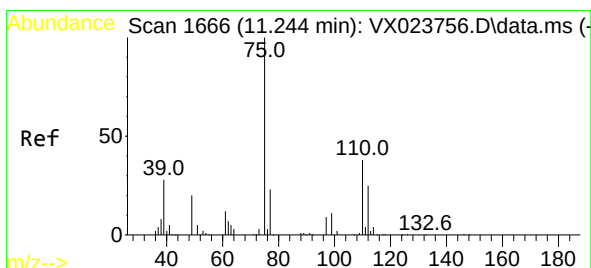
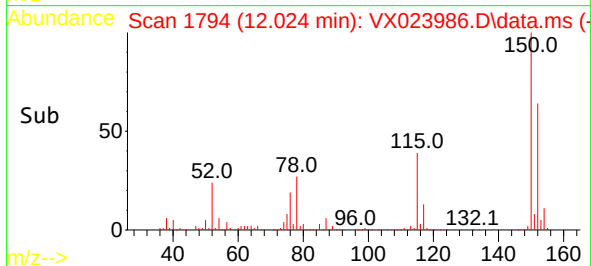
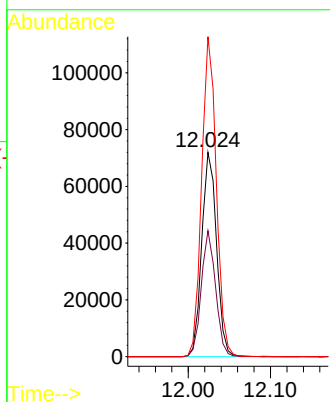
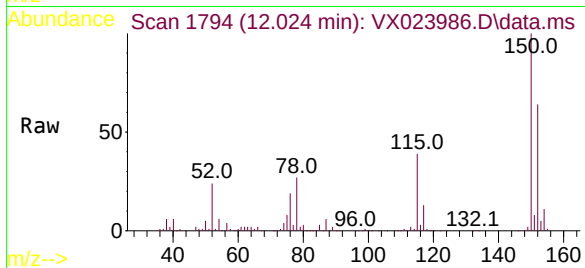




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

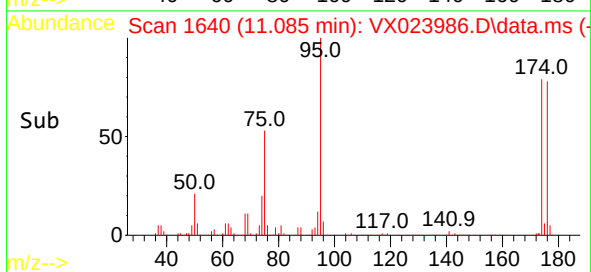
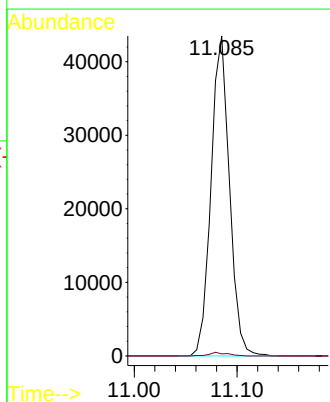
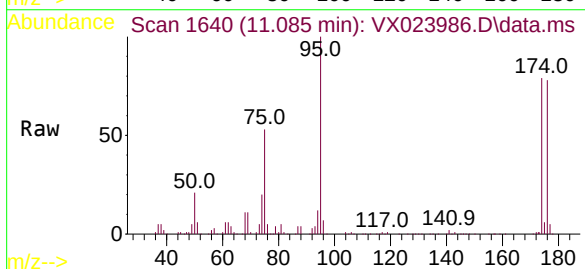
Instrument :
MSVOA_X
ClientSampled :

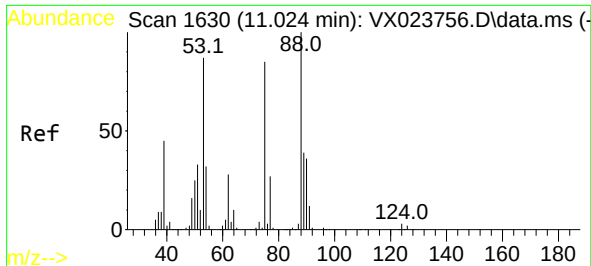
Tgt Ion:152 Resp: 90060
Ion Ratio Lower Upper
152 100
115 59.6 41.1 123.3
150 154.8 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 25.820 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

Tgt Ion: 75 Resp: 54245
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#

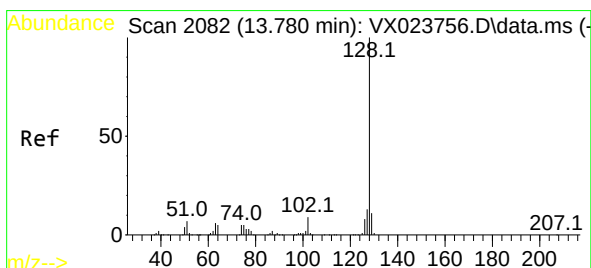
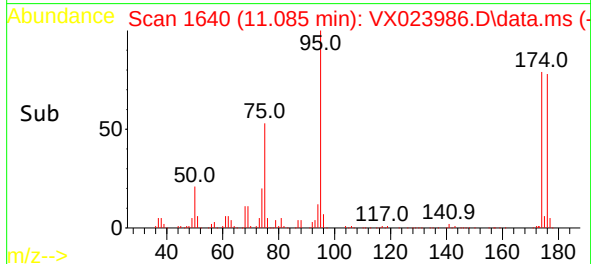
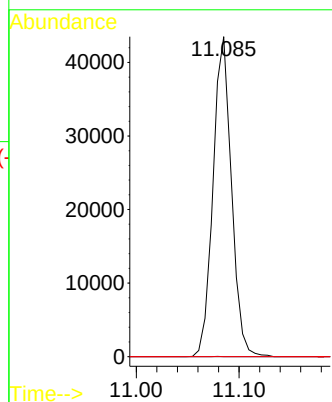
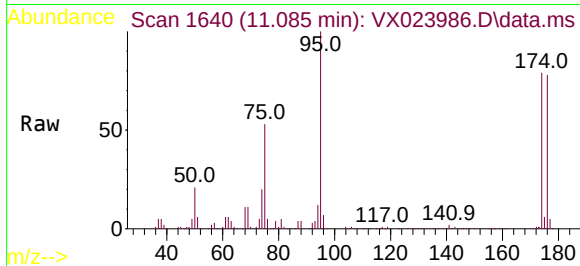




#81
trans-1,4-Dichloro-2-butene
Concen: 75.952 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 54245
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.315 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023986.D
Acq: 27 Aug 2021 12:47

Tgt Ion:128 Resp: 223
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

