

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121421\
 Data File : VX025784.D
 Acq On : 14 Dec 2021 18:07
 Operator : JC/MD
 Sample : M4988-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20211207

Quant Time: Dec 15 07:07:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

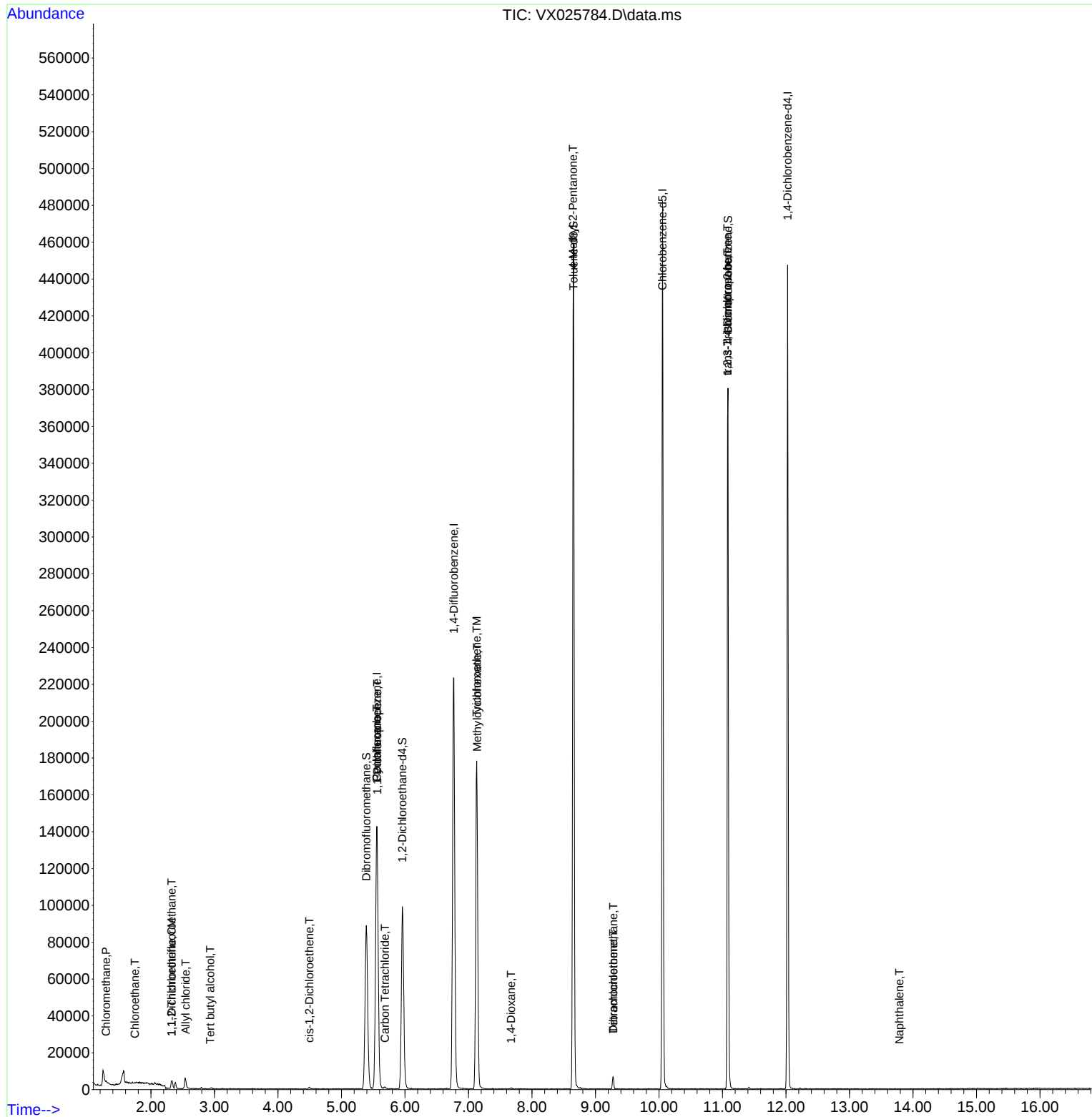
Internal Standards						
1) Pentafluorobenzene	5.556	168	133324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	232653	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89890	46.859	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.720%		
35) Dibromofluoromethane	5.391	113	75183	46.336	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.680%		
50) Toluene-d8	8.653	98	272532	46.100	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.200%		
62) 4-Bromofluorobenzene	11.085	95	105685	47.062	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.120%		
Target Compounds					Qvalue	
3) Chloromethane	1.295	50	355	0.229	ug/l #	75
6) Chloroethane	1.746	64	509	0.426	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	2.325	101	1538	1.083	ug/l	97
11) Tert butyl alcohol	2.934	59	308	0.800	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	290	0.205	ug/l	89
14) Allyl chloride	2.544	41	666	0.259	ug/l #	52
16) Acetone	2.386	43	3315	Below Cal		96
20) Methylene Chloride	2.788	84	236	Below Cal	#	74
27) cis-1,2-Dichloroethene	4.495	96	380	0.203	ug/l	85
31) Cyclohexane	5.556	56	3012	1.291	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10721	4.872	ug/l #	50
38) Carbon Tetrachloride	5.684	117	582	0.227	ug/l #	87
39) Methylcyclohexane	7.135	83	925	0.376	ug/l #	1
44) Trichloroethene	7.129	130	69014	37.768	ug/l	94
49) 1,4-Dioxane	7.671	88	395	9.755	ug/l #	68
51) 4-Methyl-2-Pentanone	8.647	43	1337	0.519	ug/l #	1
60) Dibromochloromethane	9.281	129	1148	0.564	ug/l #	11
64) Tetrachloroethene	9.281	164	1291	0.760	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	53387	26.208	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	53387	81.251	ug/l #	10
95) Naphthalene	13.786	128	29	2.416	ug/l #	69

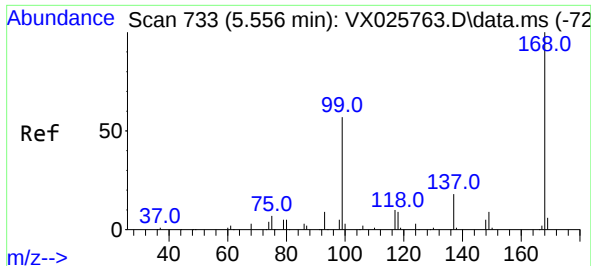
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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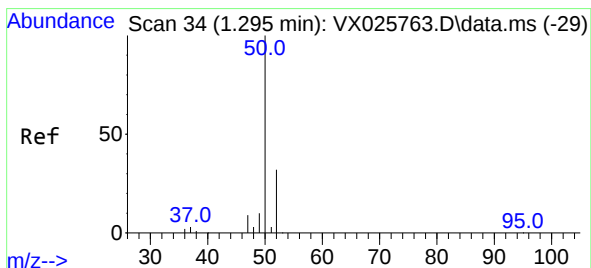
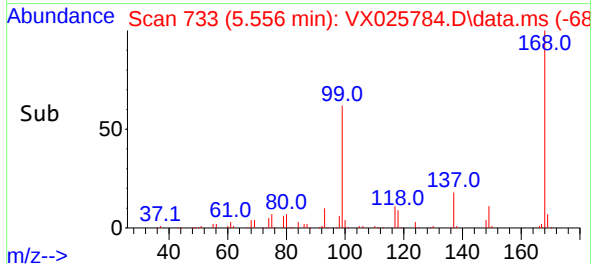
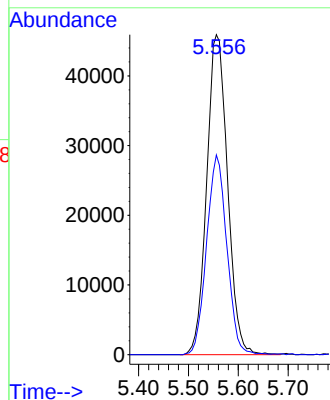
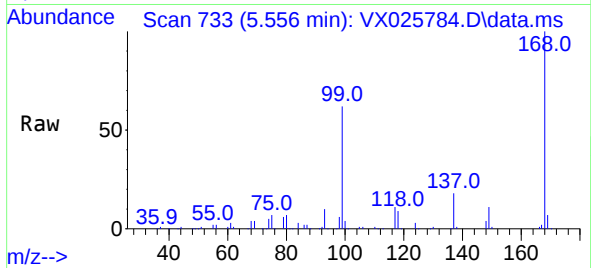




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

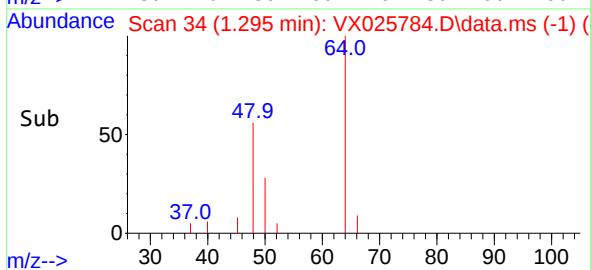
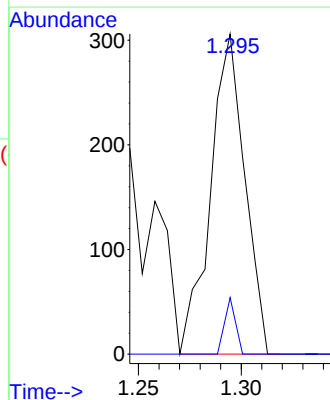
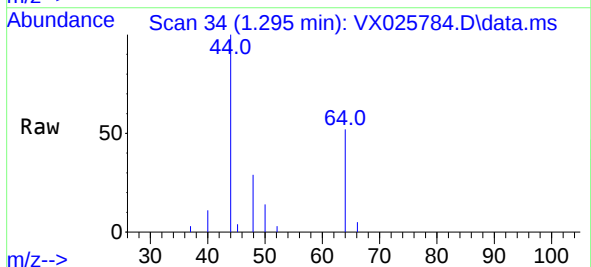
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20211207

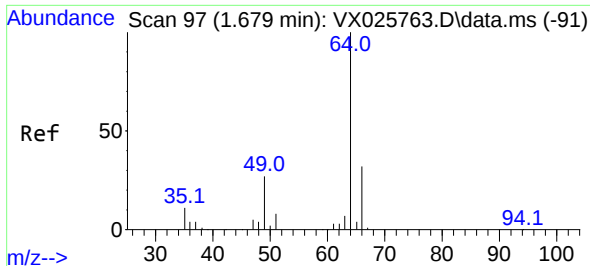
Tgt Ion:168 Resp: 133324
Ion Ratio Lower Upper
168 100
99 62.4 45.8 68.8



#3
Chloromethane
Concen: 0.229 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

Tgt Ion: 50 Resp: 355
Ion Ratio Lower Upper
50 100
52 17.6 25.4 38.0#

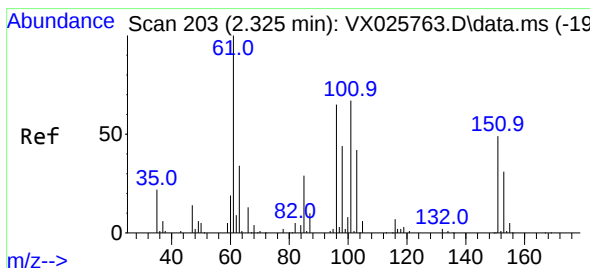
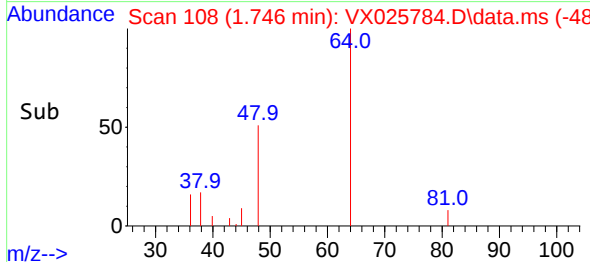
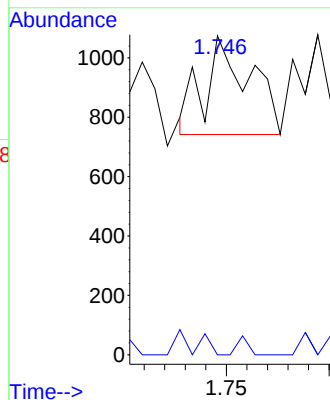
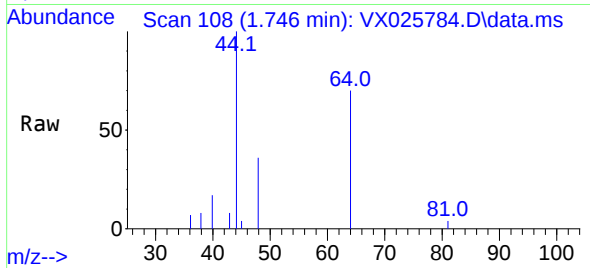




#6
Chloroethane
Concen: 0.426 ug/l
RT: 1.746 min Scan# 10
Delta R.T. 0.067 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

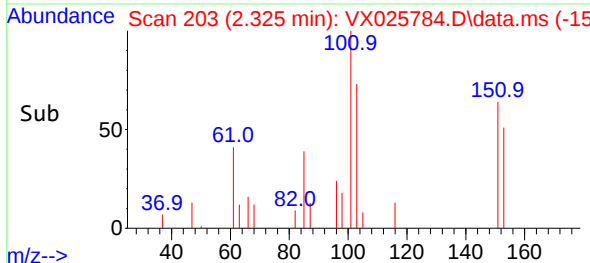
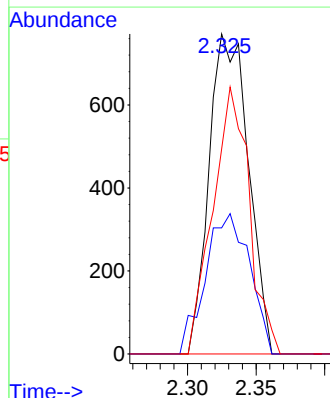
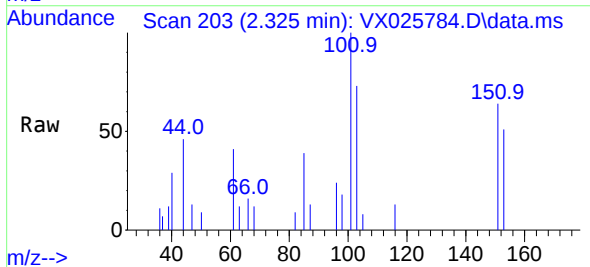
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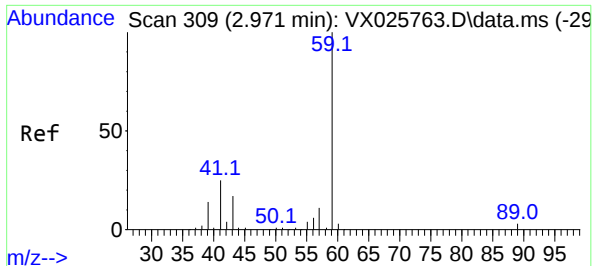
Tgt Ion: 64 Resp: 509
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.083 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

Tgt Ion: 101 Resp: 1538
Ion Ratio Lower Upper
101 100
85 49.3 36.5 54.7
151 77.4 60.6 90.8

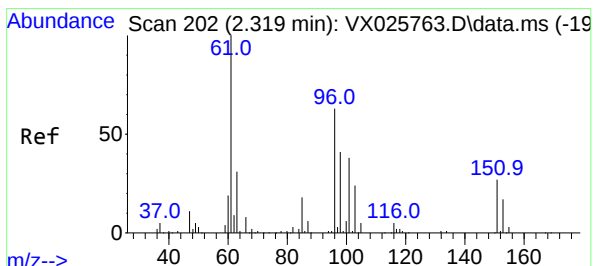
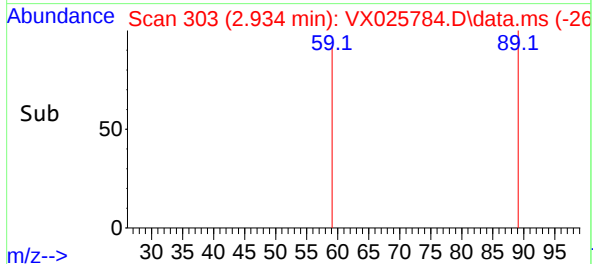
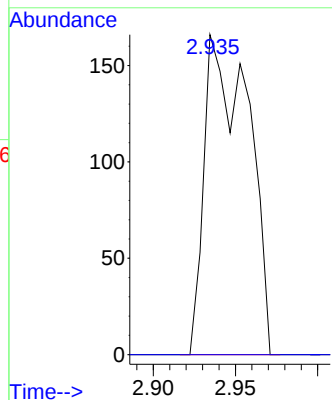
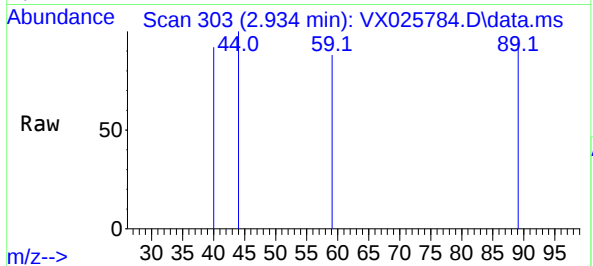




#11
Tert butyl alcohol
Concen: 0.800 ug/l
RT: 2.934 min Scan# 309
Delta R.T. -0.037 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

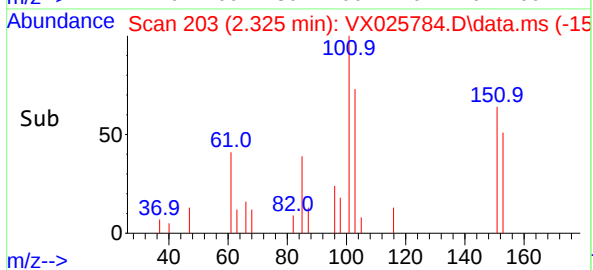
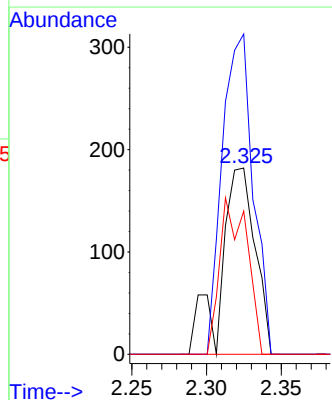
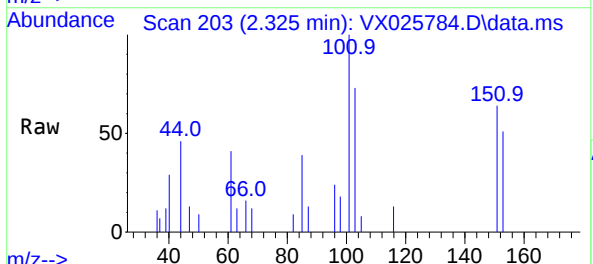
Instrument :
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ClientSampleId :
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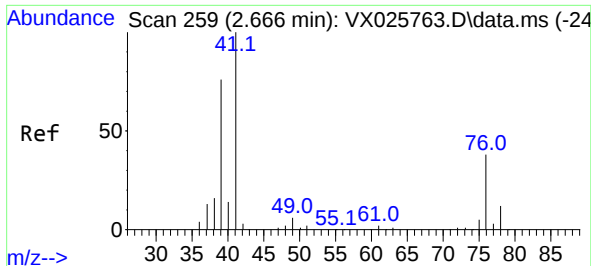
Tgt Ion: 59 Resp: 308
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.205 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

Tgt Ion: 96 Resp: 290
Ion Ratio Lower Upper
96 100
61 172.0 127.5 191.3
98 76.9 52.0 78.0

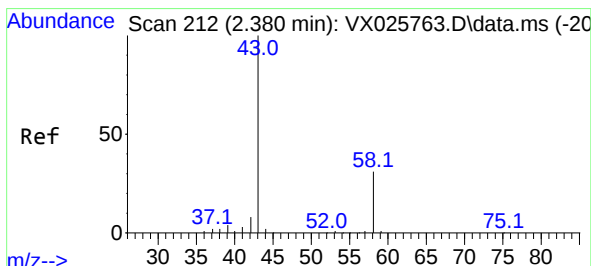
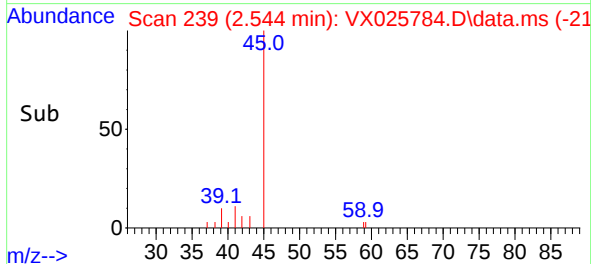
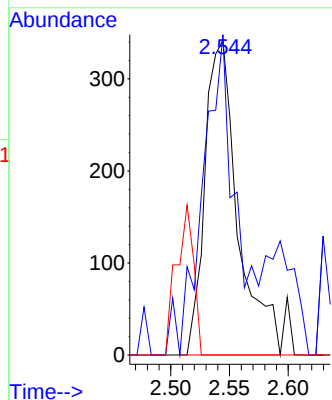
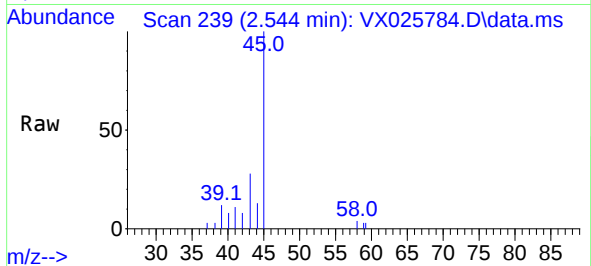




#14
 Allyl chloride
 Concen: 0.259 ug/l
 RT: 2.544 min Scan# 213
 Delta R.T. -0.122 min
 Lab File: VX025784.D
 Acq: 14 Dec 2021 18:07

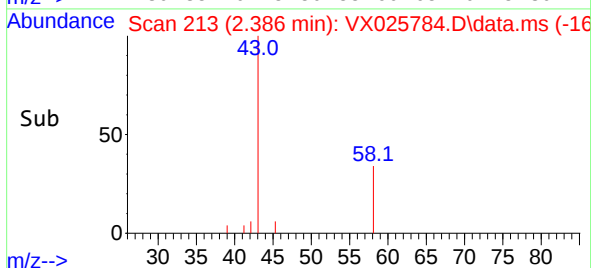
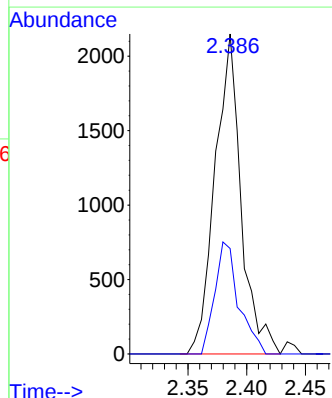
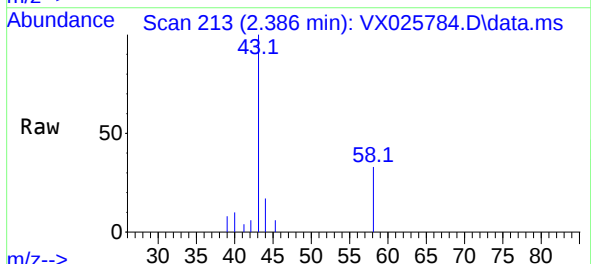
Instrument :
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 ClientSampleId :
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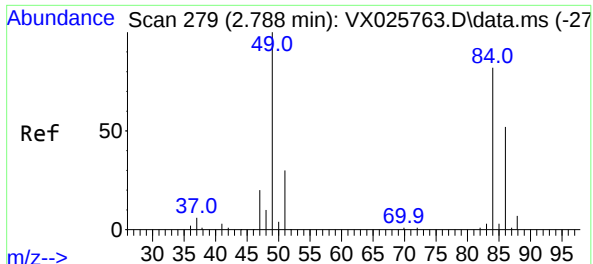
Tgt Ion: 41 Resp: 666
 Ion Ratio Lower Upper
 41 100
 39 103.0 55.4 83.0#
 76 0.0 27.6 41.4#



#16
 Acetone
 Concen: Below Cal
 RT: 2.386 min Scan# 213
 Delta R.T. 0.006 min
 Lab File: VX025784.D
 Acq: 14 Dec 2021 18:07

Tgt Ion: 43 Resp: 3315
 Ion Ratio Lower Upper
 43 100
 58 32.9 24.8 37.2

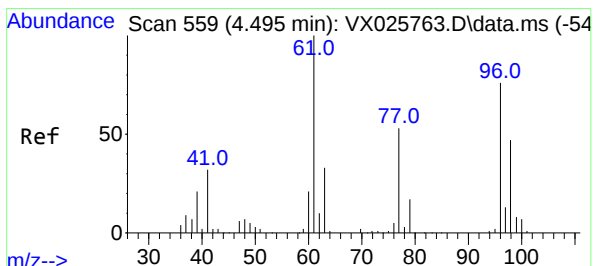
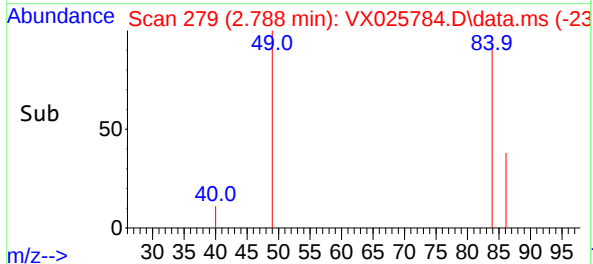
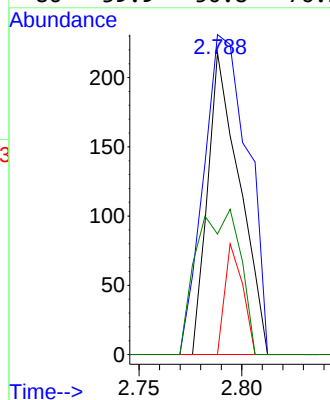
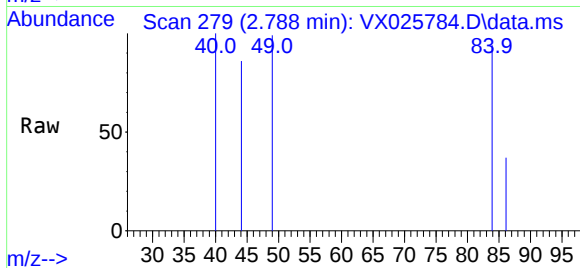




#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

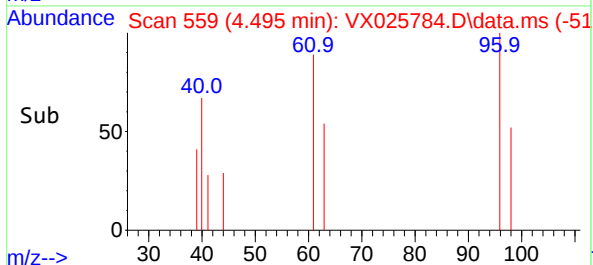
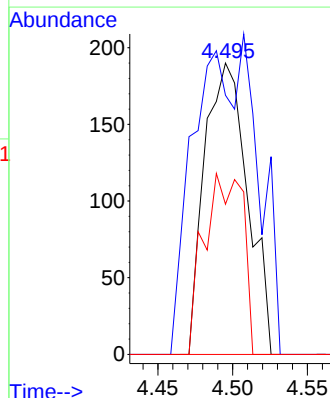
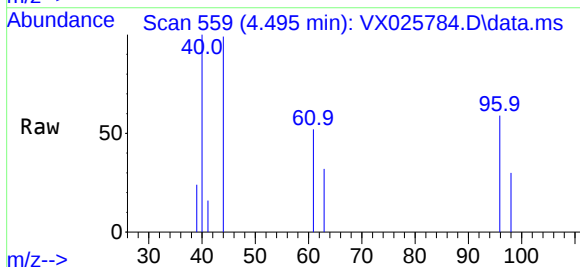
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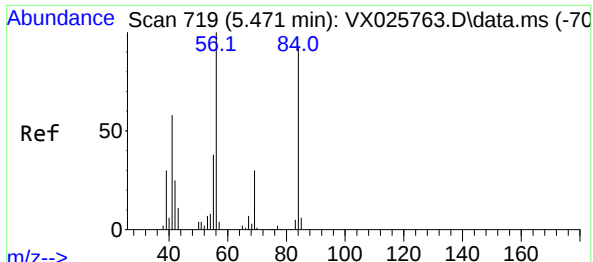
Tgt Ion:	84	Resp:	236
Ion	Ratio	Lower	Upper
84	100		
49	106.0	97.1	145.7
51	0.0	29.3	43.9#
86	39.9	50.8	76.2#



#27
cis-1,2-Dichloroethene
Concen: 0.203 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

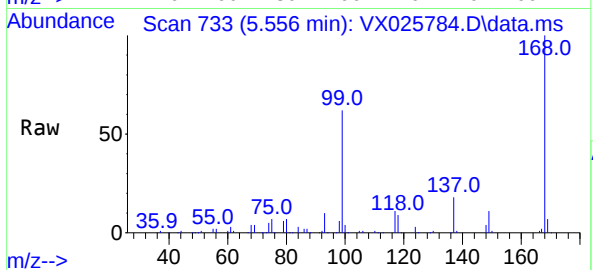
Tgt Ion:	96	Resp:	380
Ion	Ratio	Lower	Upper
96	100		
61	158.4	0.0	276.8
98	56.3	0.0	130.6



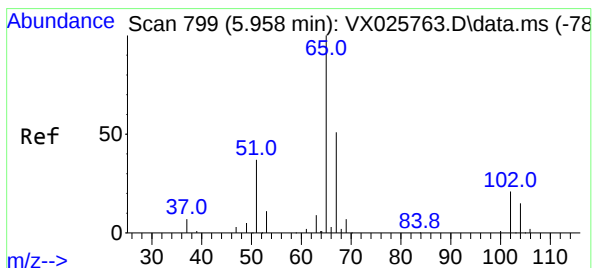
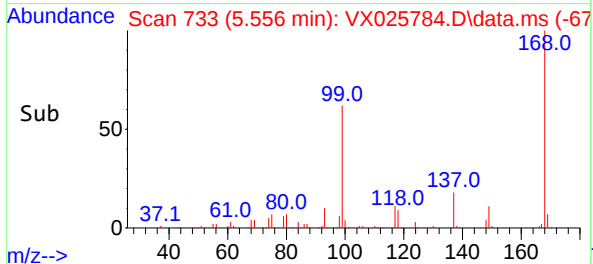
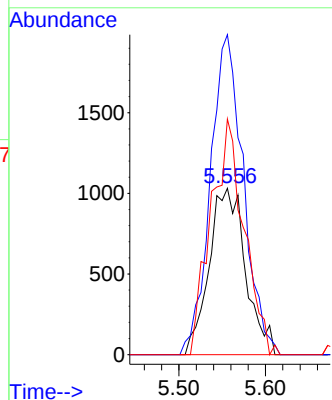


#31
Cyclohexane
Concen: 1.291 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

Instrument :
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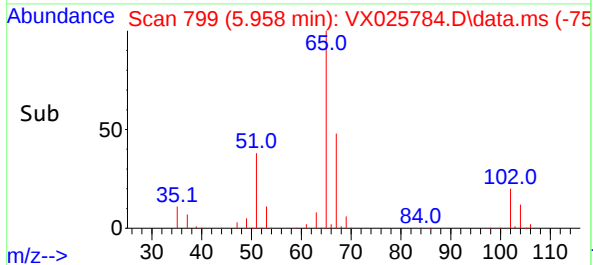
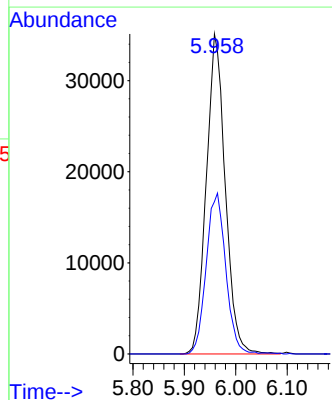
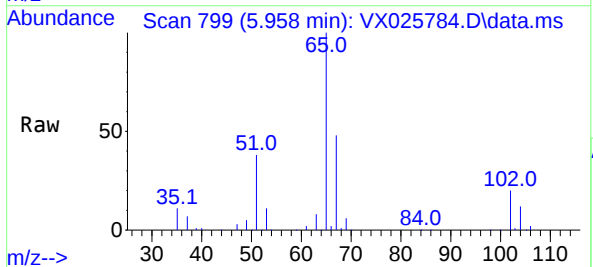


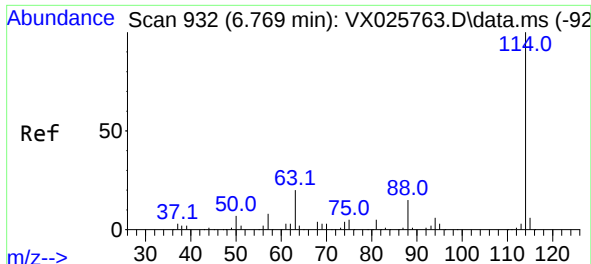
Tgt Ion: 56 Resp: 3012
Ion Ratio Lower Upper
56 100
69 192.4 23.9 35.9#
84 141.7 73.2 109.8#



#33
1,2-Dichloroethane-d4
Concen: 46.859 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

Tgt Ion: 65 Resp: 89890
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.4

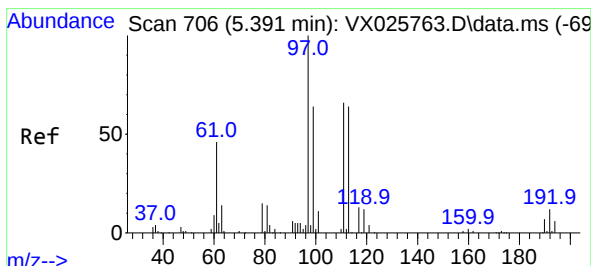
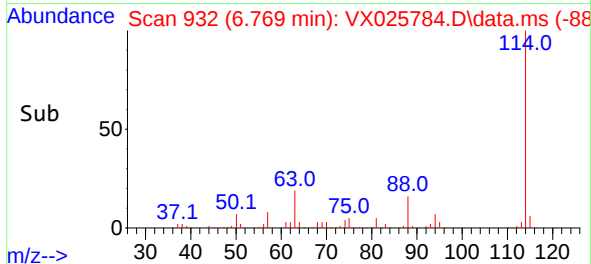
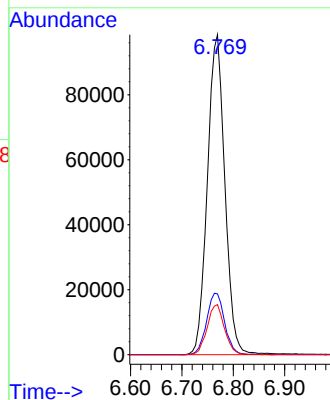
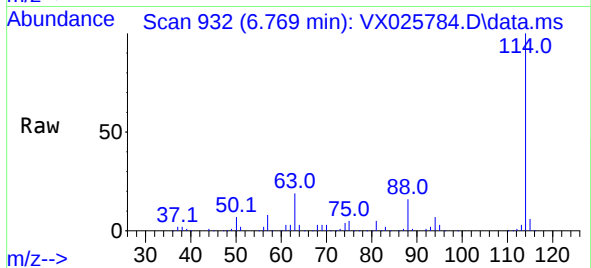




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

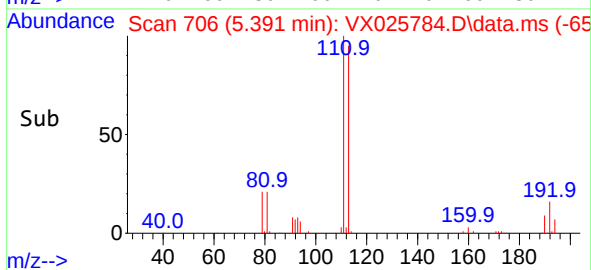
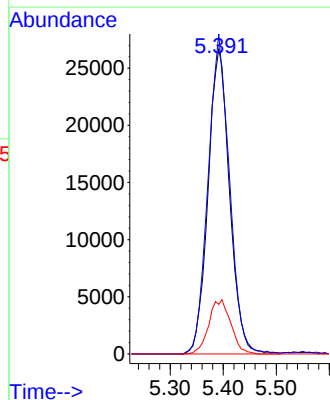
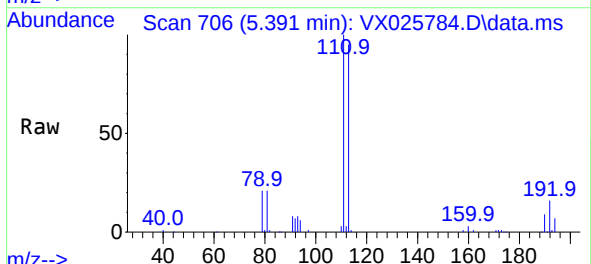
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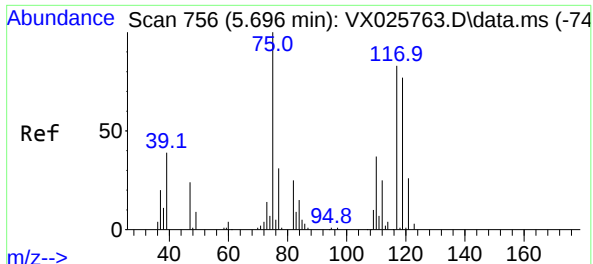
Tgt Ion:114 Resp: 232653
Ion Ratio Lower Upper
114 100
63 19.0 0.0 40.0
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 46.336 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

Tgt Ion:113 Resp: 75183
Ion Ratio Lower Upper
113 100
111 103.9 81.8 122.8
192 18.2 15.0 22.4

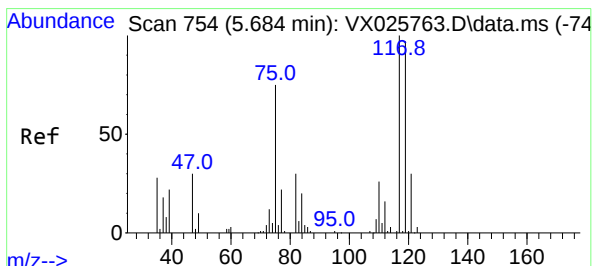
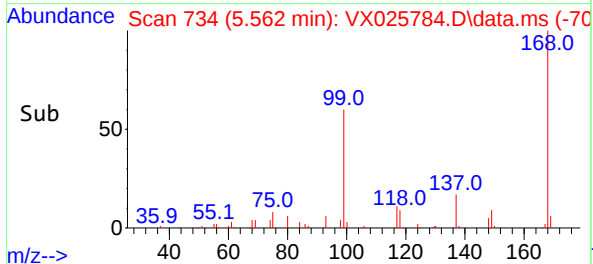
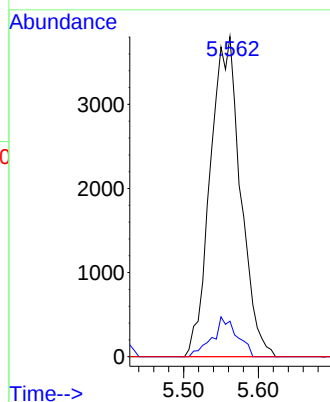
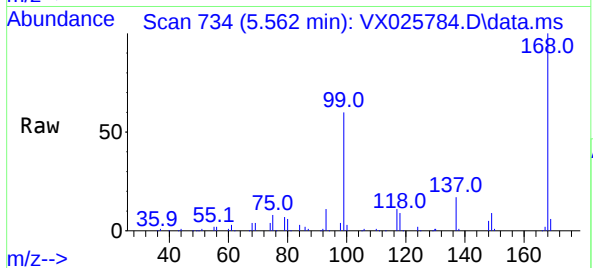




#36
1,1-Dichloropropene
Concen: 4.872 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

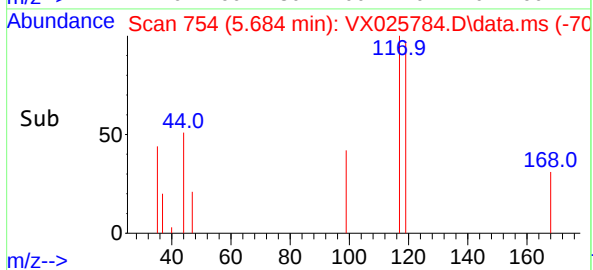
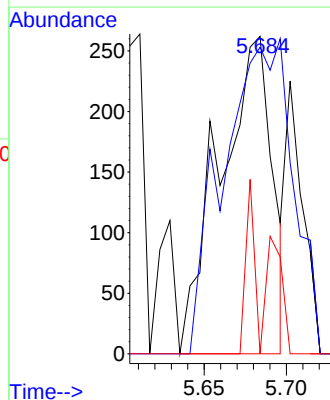
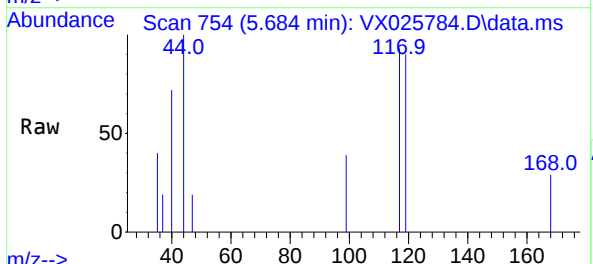
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20211207

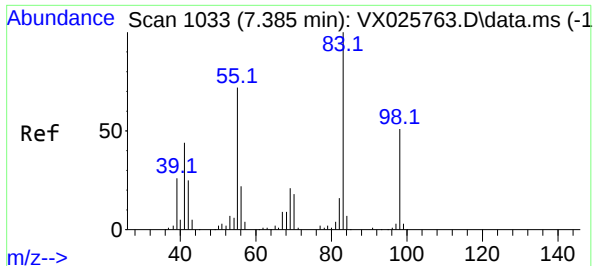
Tgt Ion: 75 Resp: 10721
Ion Ratio Lower Upper
75 100
110 10.1 18.2 54.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.227 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

Tgt Ion: 117 Resp: 582
Ion Ratio Lower Upper
117 100
119 96.6 77.2 115.8
121 0.0 23.8 35.8#





#39

Methylcyclohexane

Concen: 0.376 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.250 min

Lab File: VX025784.D

Acq: 14 Dec 2021 18:07

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20211207

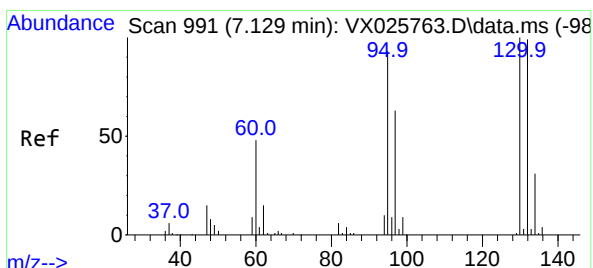
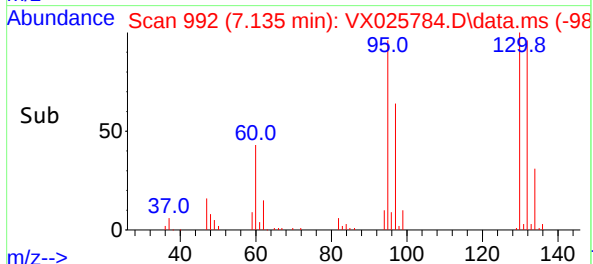
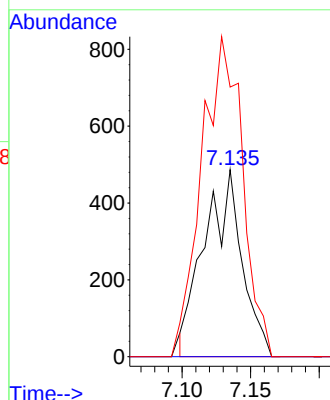
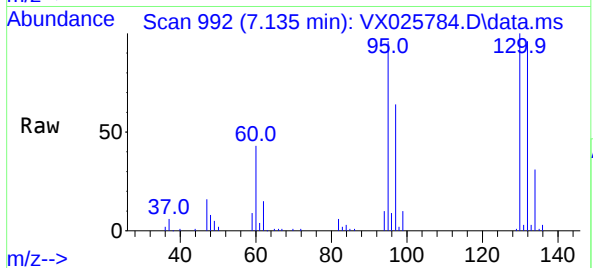
Tgt Ion: 83 Resp: 925

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.8#

98 144.1 40.5 60.7#



#44

Trichloroethene

Concen: 37.768 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX025784.D

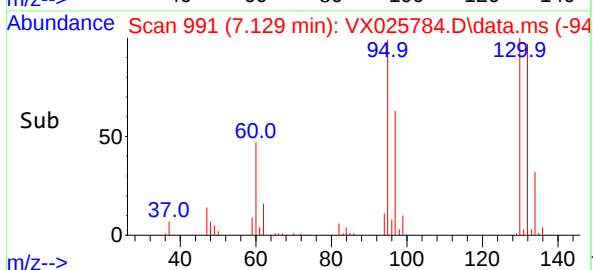
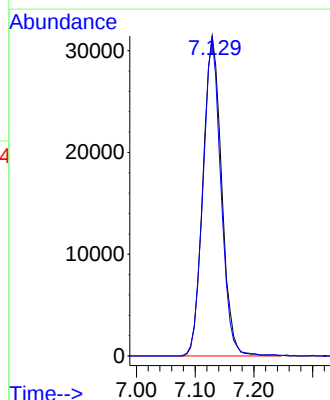
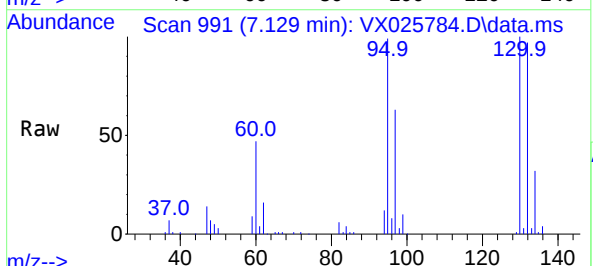
Acq: 14 Dec 2021 18:07

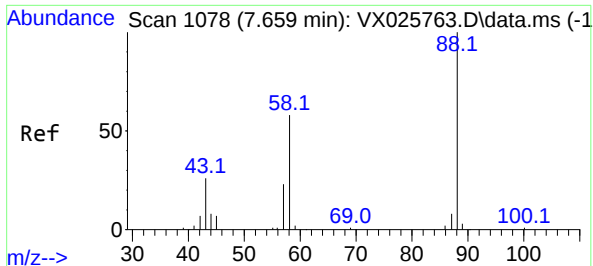
Tgt Ion:130 Resp: 69014

Ion Ratio Lower Upper

130 100

95 99.4 0.0 186.4





#49

1,4-Dioxane

Concen: 9.755 ug/l

RT: 7.671 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX025784.D

Acq: 14 Dec 2021 18:07

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20211207

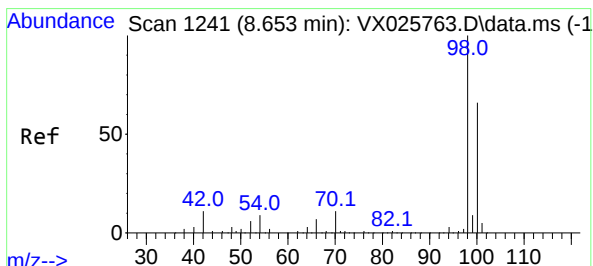
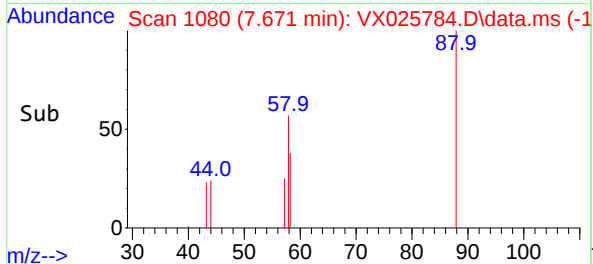
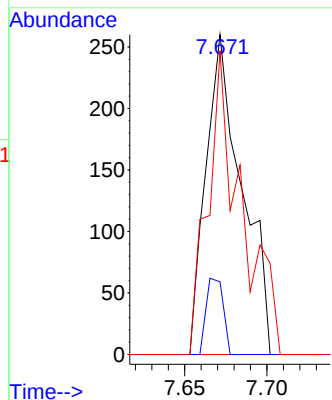
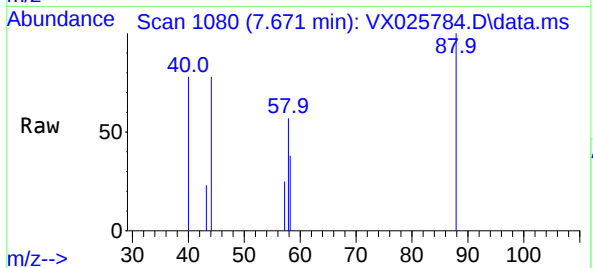
Tgt Ion: 88 Resp: 395

Ion Ratio Lower Upper

88 100

43 11.1 25.3 37.9#

58 88.4 51.8 77.6#



#50

Toluene-d8

Concen: 46.100 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX025784.D

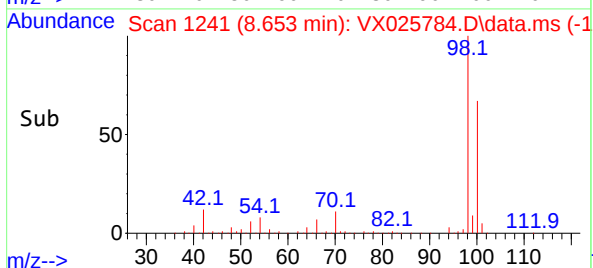
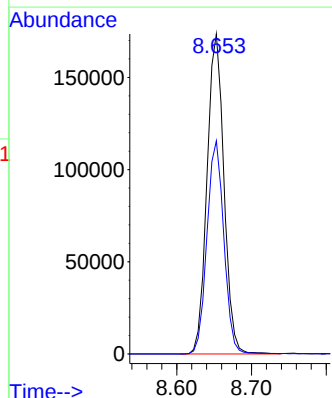
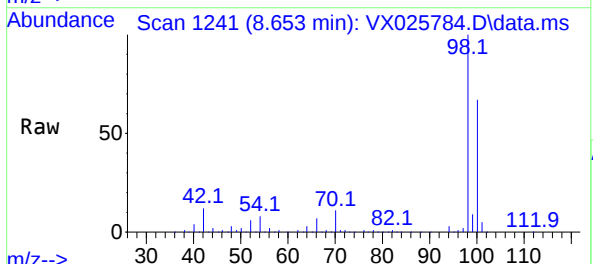
Acq: 14 Dec 2021 18:07

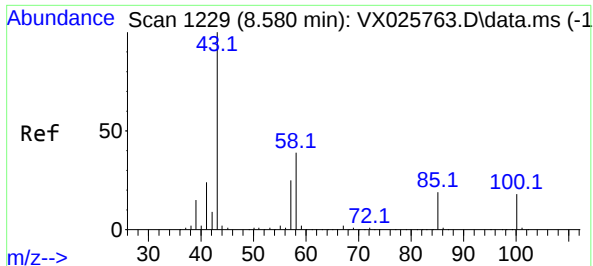
Tgt Ion: 98 Resp: 272532

Ion Ratio Lower Upper

98 100

100 66.6 52.6 78.8

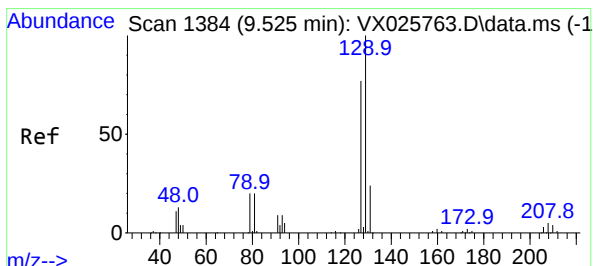
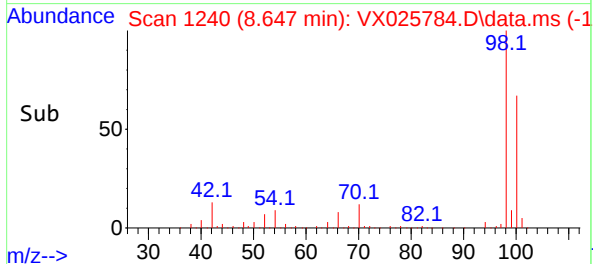
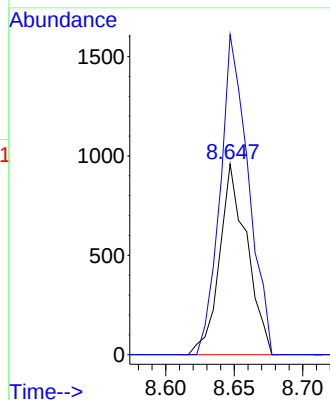
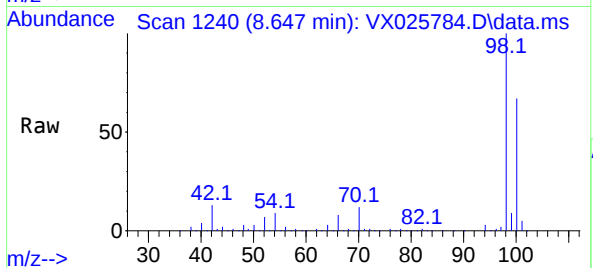




#51
4-Methyl-2-Pentanone
Concen: 0.519 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

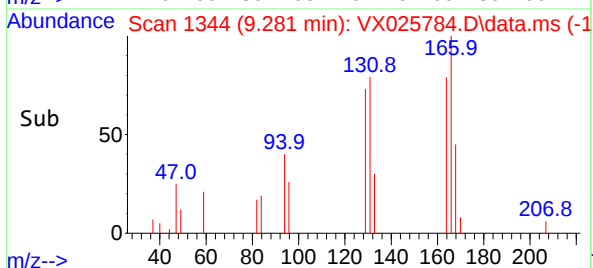
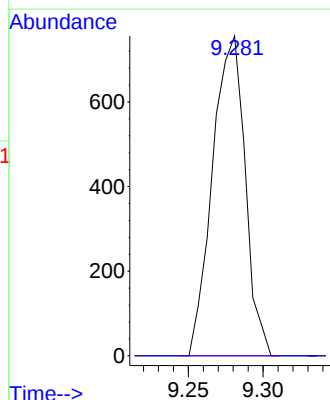
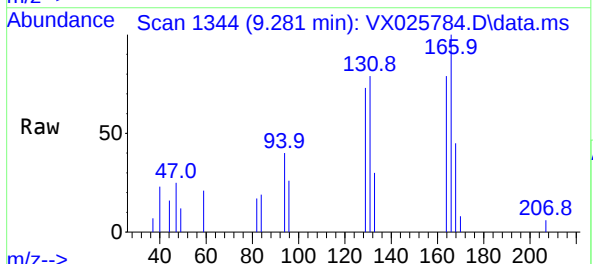
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20211207

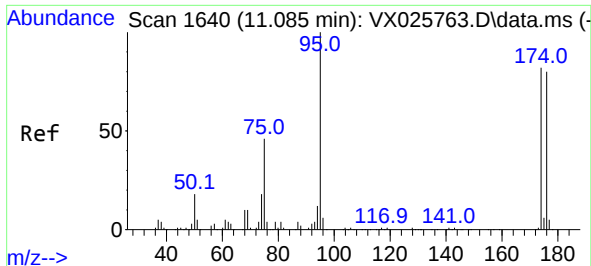
Tgt Ion: 43 Resp: 1337
Ion Ratio Lower Upper
43 100
58 172.5 30.8 46.2#



#60
Dibromochloromethane
Concen: 0.564 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

Tgt Ion: 129 Resp: 1148
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#

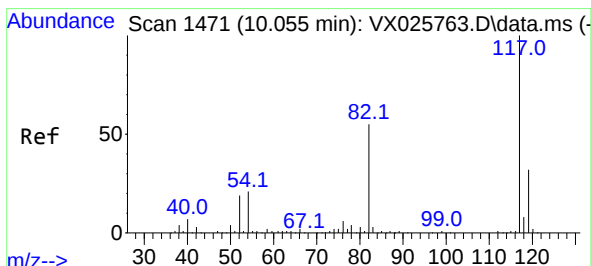
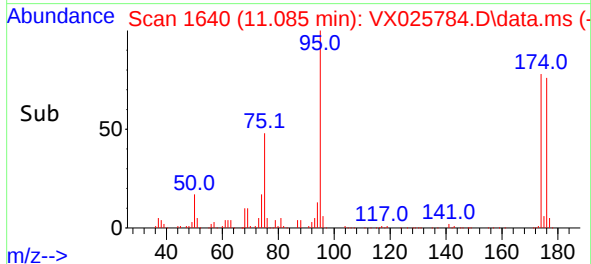
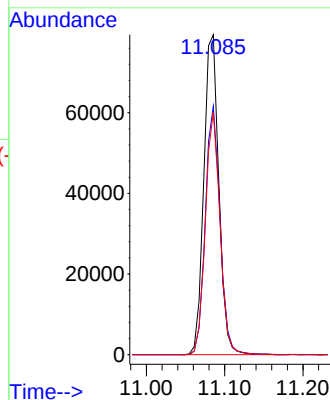
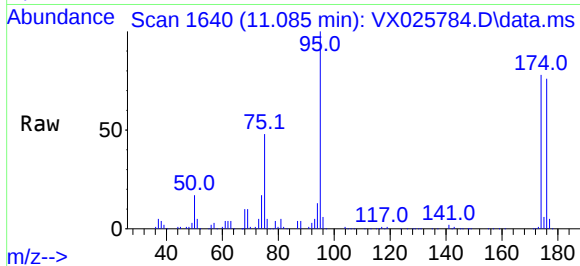




#62
4-Bromofluorobenzene
Concen: 47.062 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

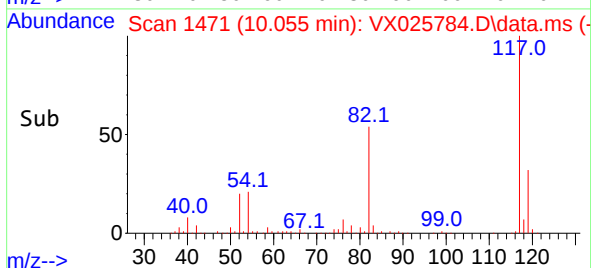
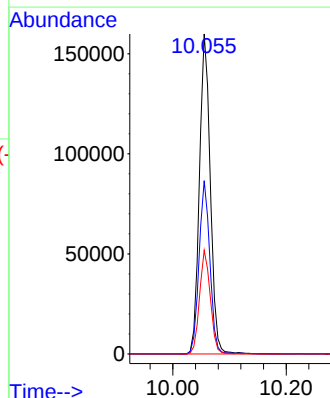
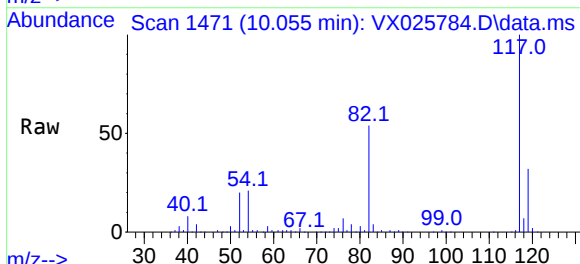
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20211207

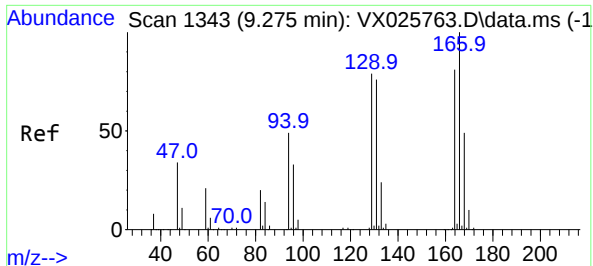
Tgt Ion: 95 Resp: 105685
Ion Ratio Lower Upper
95 100
174 76.1 0.0 157.4
176 73.7 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

Tgt Ion: 117 Resp: 213005
Ion Ratio Lower Upper
117 100
82 54.2 43.8 65.6
119 32.4 25.2 37.8



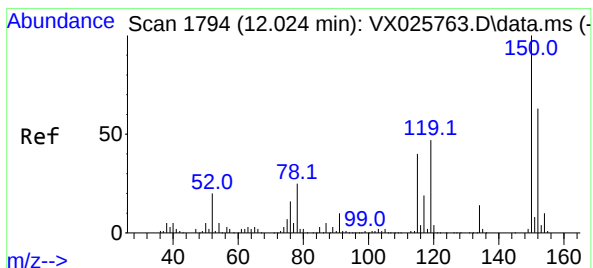
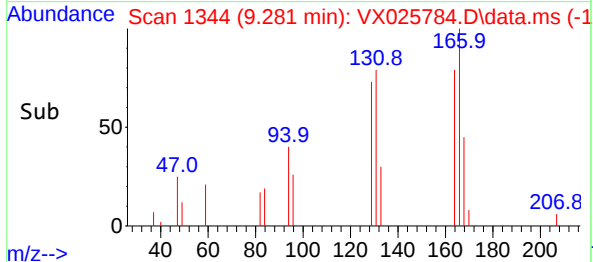
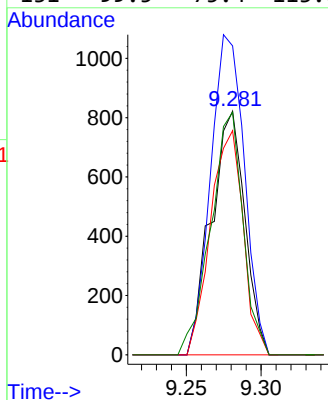
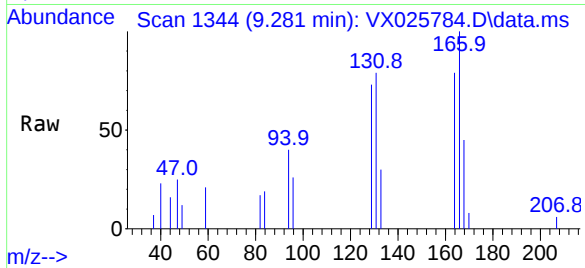


#64
Tetrachloroethene
Concen: 0.760 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20211207

Tgt Ion:164 Resp: 1291

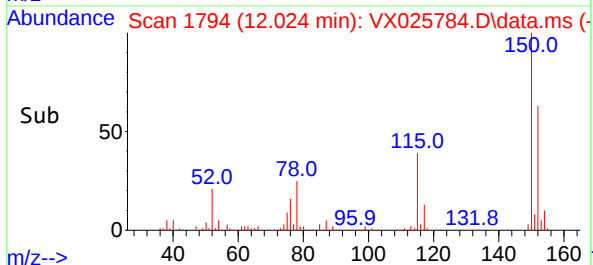
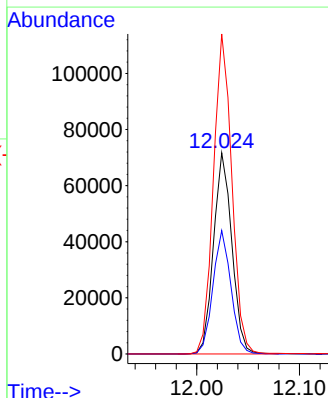
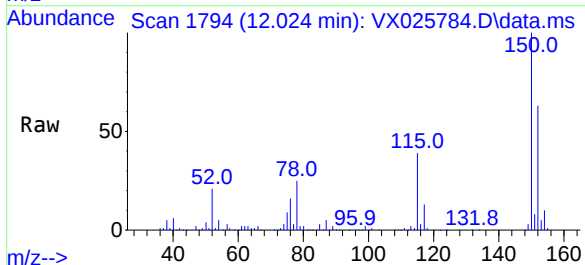
Ion	Ratio	Lower	Upper
164	100		
166	126.8	99.4	149.0
129	92.0	78.6	118.0
131	99.5	75.4	113.0

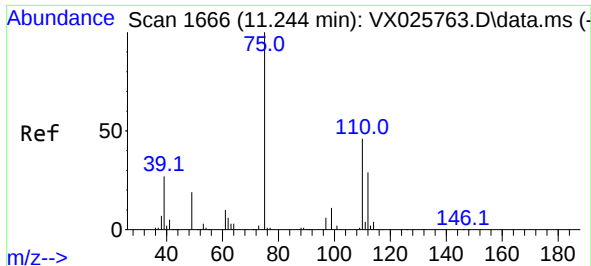


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

Tgt Ion:152 Resp: 88909

Ion	Ratio	Lower	Upper
152	100		
115	60.4	41.3	123.9
150	159.9	0.0	351.8

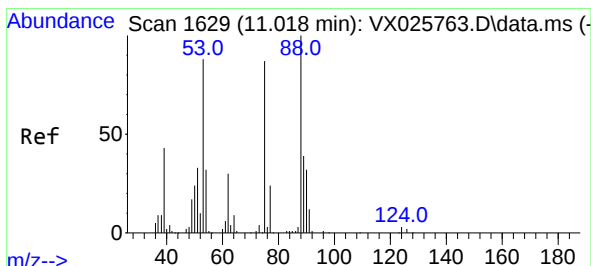
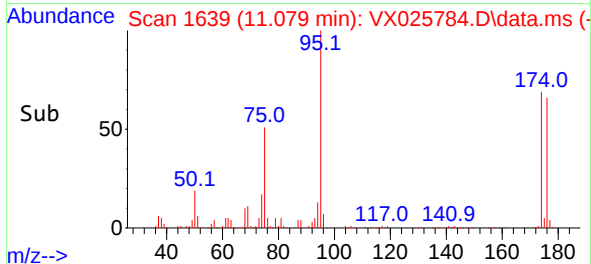
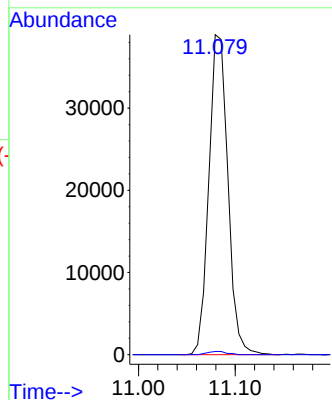
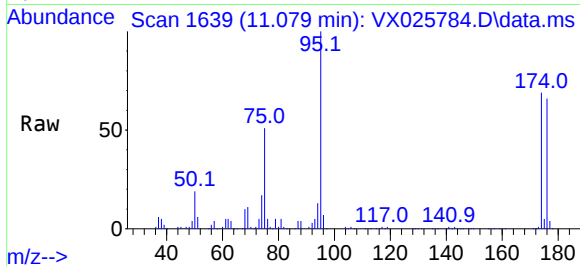




#76
1,2,3-Trichloropropane
Concen: 26.208 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

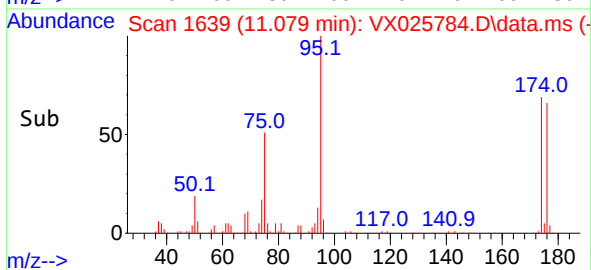
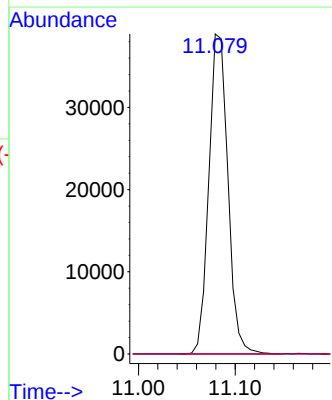
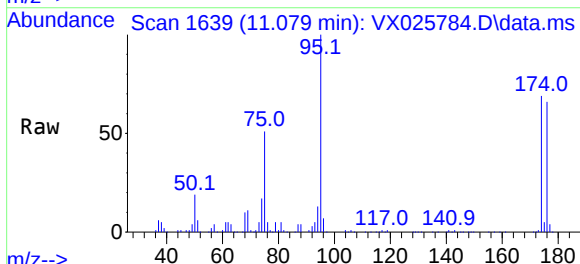
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20211207

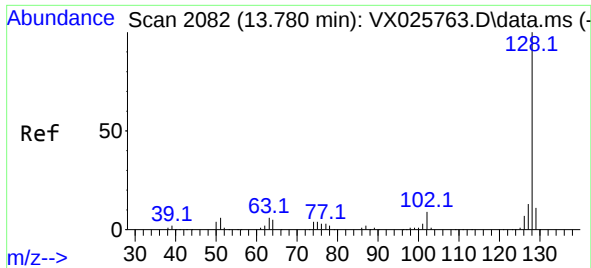
Tgt Ion: 75 Resp: 53387
Ion Ratio Lower Upper
75 100
77 1.0 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.251 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

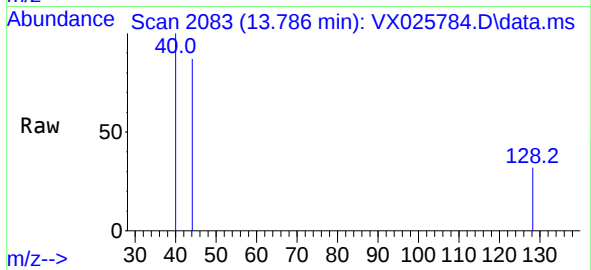
Tgt Ion: 75 Resp: 53387
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#





#95
Naphthalene
Concen: 2.416 ug/l
RT: 13.786 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX025784.D
Acq: 14 Dec 2021 18:07

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20211207



Tgt Ion:	128	Resp:	29
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

