

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121421\
 Data File : VX025786.D
 Acq On : 14 Dec 2021 18:53
 Operator : JC/MD
 Sample : M4988-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D2-20211207

Quant Time: Dec 15 07:08:21 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)

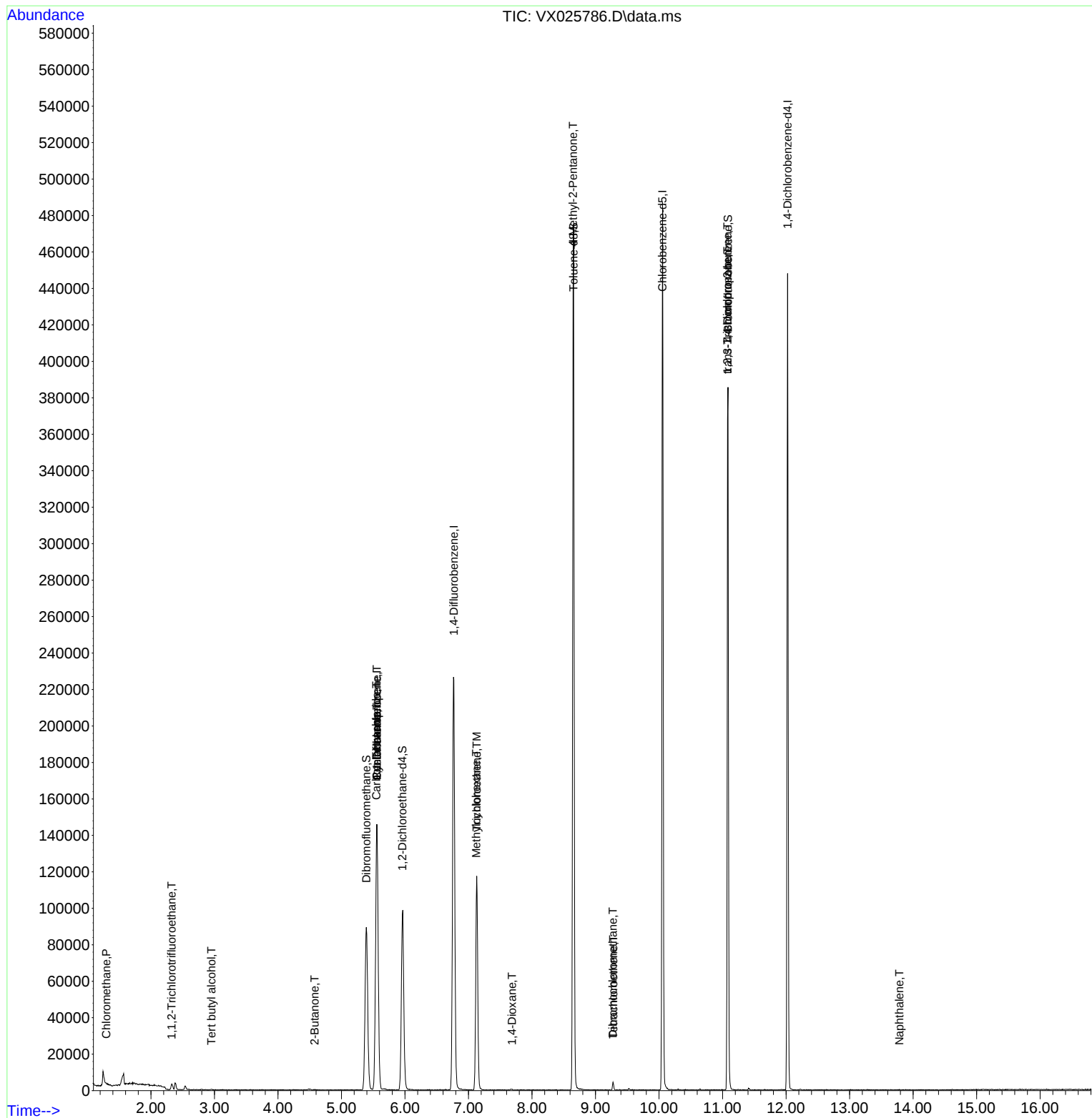
Internal Standards						
1) Pentafluorobenzene	5.556	168	135190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	236341	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91980	47.287	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.580%
35) Dibromofluoromethane	5.391	113	77461	46.995	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.000%
50) Toluene-d8	8.653	98	278884	46.438	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.880%
62) 4-Bromofluorobenzene	11.085	95	105843	46.397	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	320	0.203	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	1188	0.825	ug/l	93
11) Tert butyl alcohol	2.953	59	193	0.495	ug/l #	73
16) Acetone	2.380	43	4162	Below Cal	#	79
20) Methylene Chloride	2.794	84	180	Below Cal	#	61
25) 2-Butanone	4.574	43	262	0.200	ug/l #	49
31) Cyclohexane	5.556	56	2905	1.228	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10876	4.866	ug/l #	50
38) Carbon Tetrachloride	5.550	117	14594	5.611	ug/l #	17
39) Methylcyclohexane	7.123	83	684	0.273	ug/l #	7
44) Trichloroethene	7.129	130	44536	23.992	ug/l	90
49) 1,4-Dioxane	7.683	88	296	7.196	ug/l #	68
51) 4-Methyl-2-Pentanone	8.647	43	1457	0.556	ug/l #	1
60) Dibromochloromethane	9.275	129	699	0.338	ug/l #	11
64) Tetrachloroethene	9.281	164	879	0.518	ug/l #	79
76) 1,2,3-Trichloropropane	11.079	75	54221	26.471	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	54221	82.067	ug/l #	10
95) Naphthalene	13.786	128	52	2.420	ug/l #	69

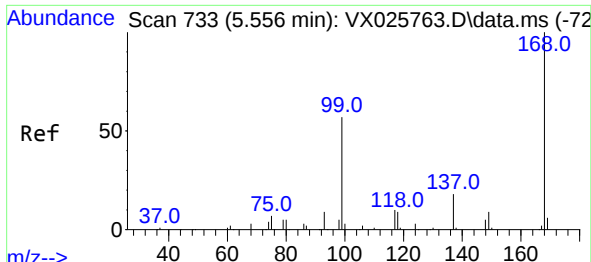
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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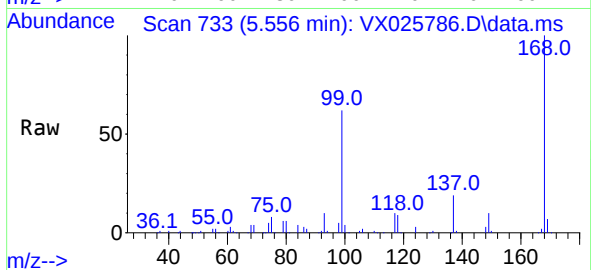
Quant Time: Dec 15 07:08:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
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QLast Update : Tue Dec 14 07:02:11 2021
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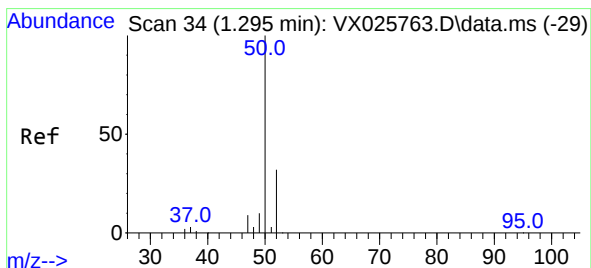
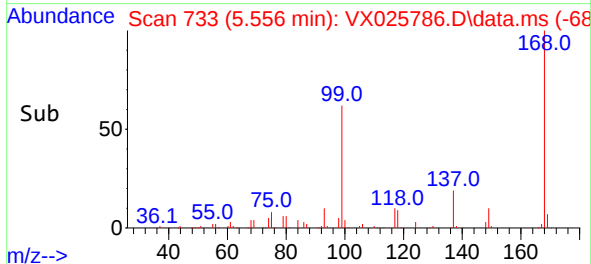
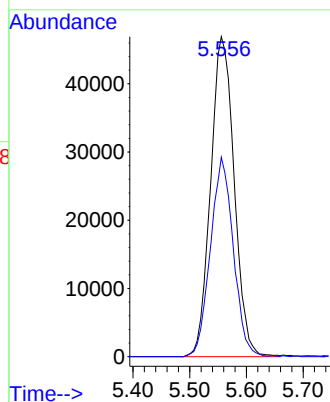


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53

Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20211207

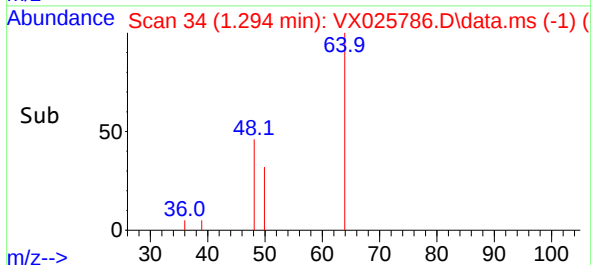
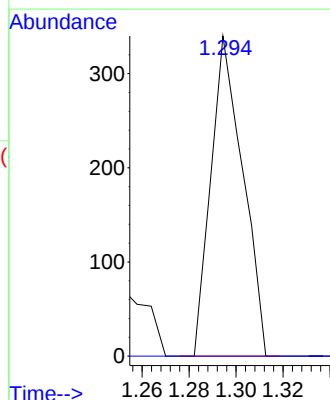
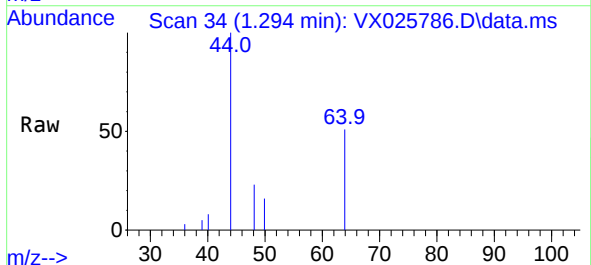


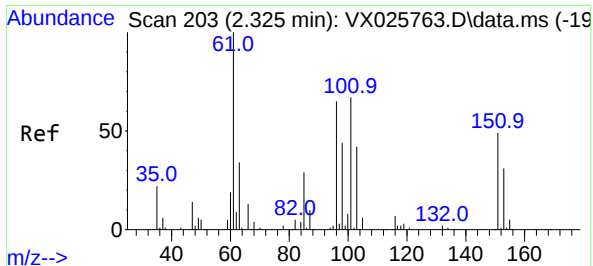
Tgt Ion:168 Resp: 135190
Ion Ratio Lower Upper
168 100
99 62.3 45.8 68.8



#3
Chloromethane
Concen: 0.203 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53

Tgt Ion: 50 Resp: 320
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#

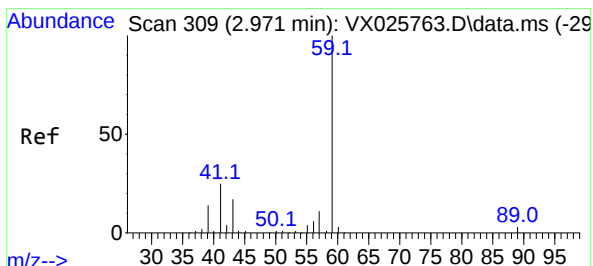
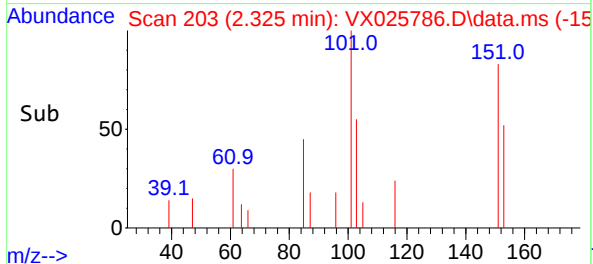
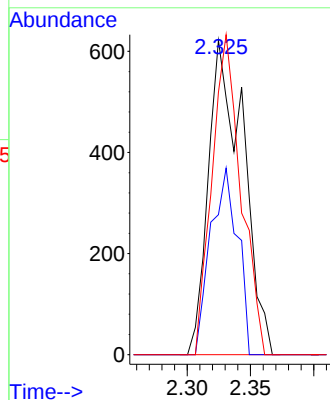
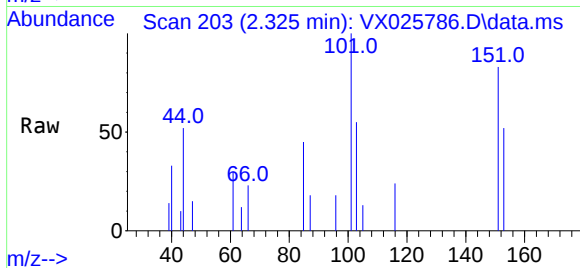




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.825 ug/l
RT: 2.325 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53

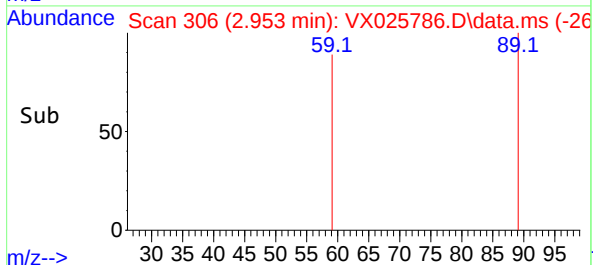
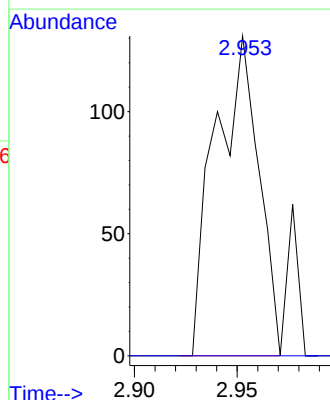
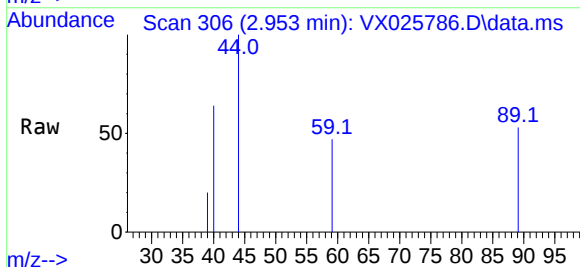
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20211207

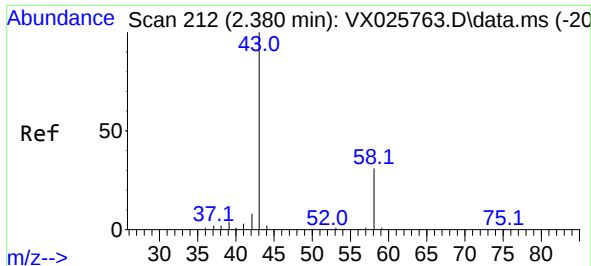
Tgt Ion:101 Resp: 1188
Ion Ratio Lower Upper
101 100
85 46.0 36.5 54.7
151 84.7 60.6 90.8



#11
Tert butyl alcohol
Concen: 0.495 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.018 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53

Tgt Ion: 59 Resp: 193
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

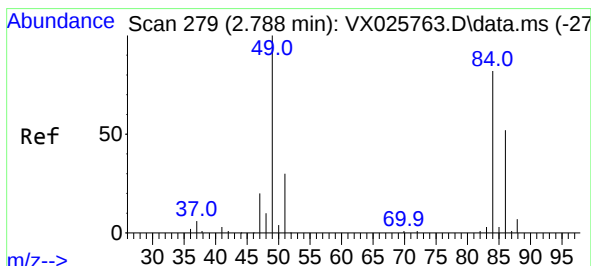
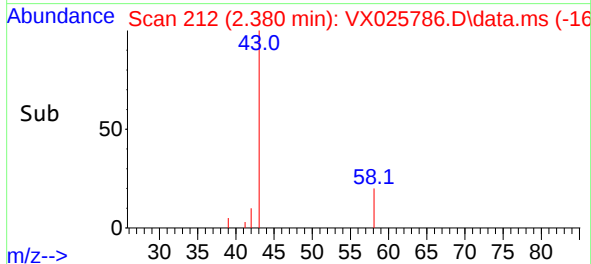
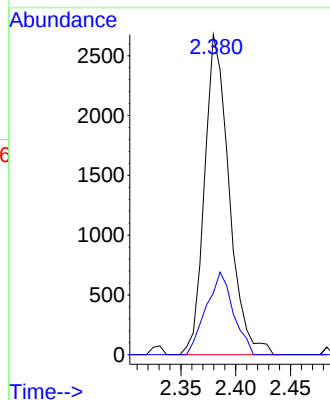
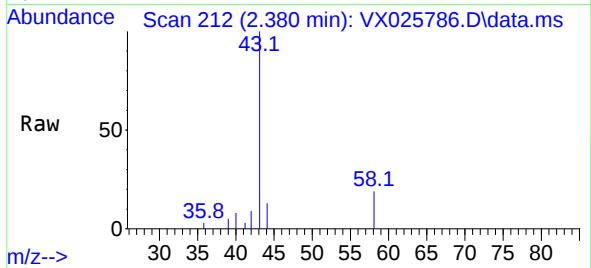




#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53

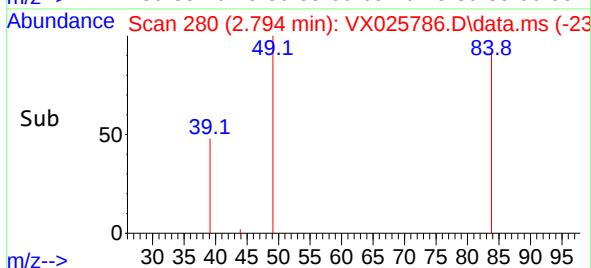
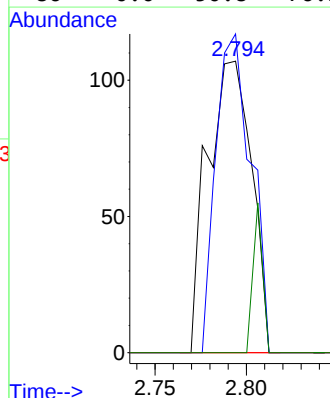
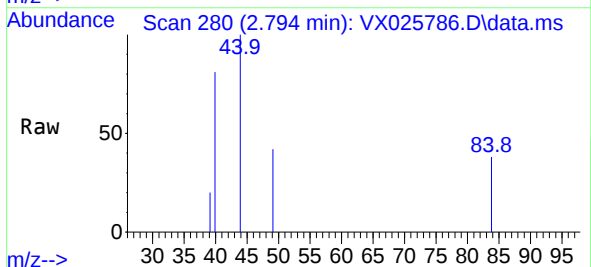
Instrument : MSVOA_X
ClientSampleId : RE109D2-20211207

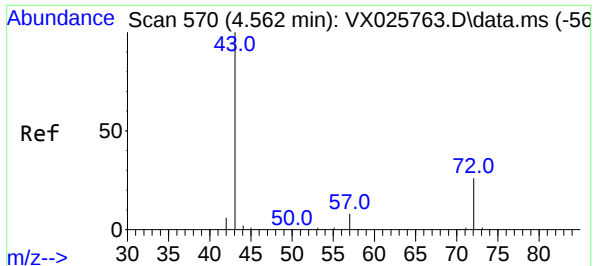
Tgt Ion: 43 Resp: 4162
Ion Ratio Lower Upper
43 100
58 19.3 24.8 37.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53

Tgt Ion: 84 Resp: 180
Ion Ratio Lower Upper
84 100
49 109.3 97.1 145.7
51 0.0 29.3 43.9#
86 0.0 50.8 76.2#





#25

2-Butanone

Concen: 0.200 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX025786.D

Acq: 14 Dec 2021 18:53

Instrument :

MSVOA_X

ClientSampleId :

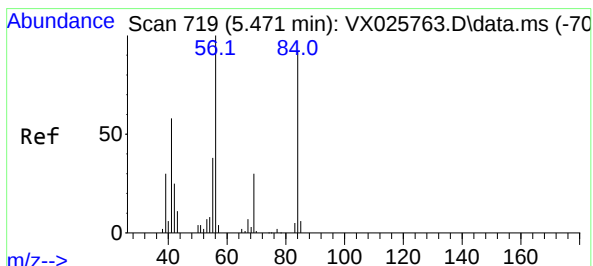
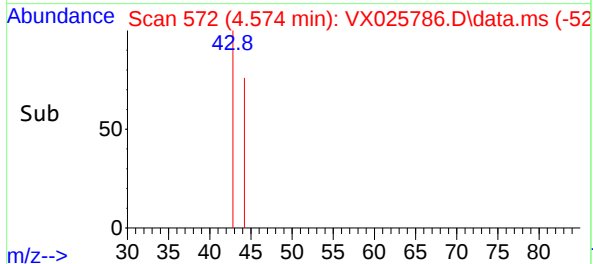
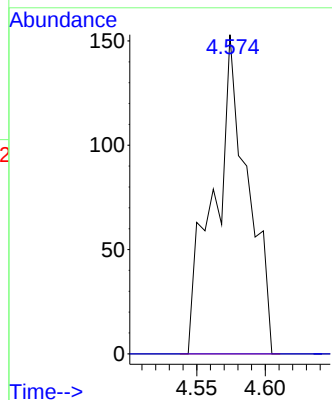
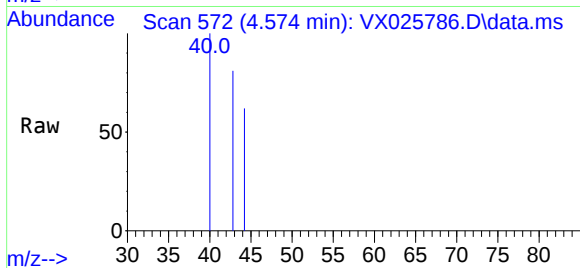
RE109D2-20211207

Tgt Ion: 43 Resp: 262

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#31

Cyclohexane

Concen: 1.228 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX025786.D

Acq: 14 Dec 2021 18:53

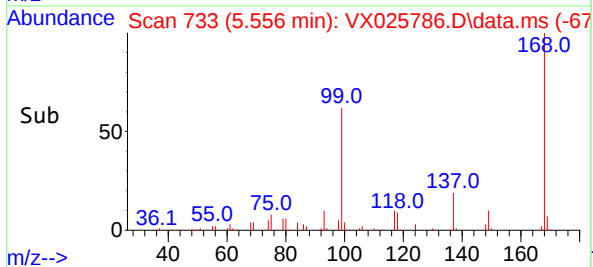
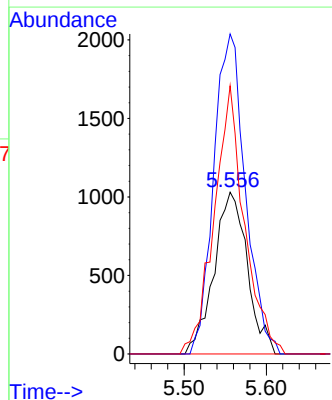
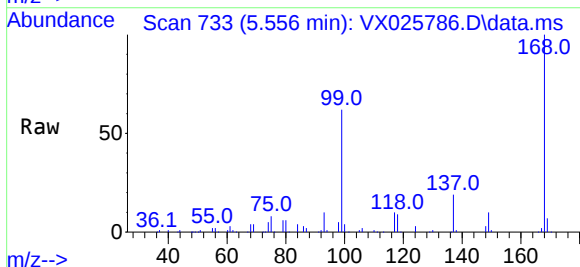
Tgt Ion: 56 Resp: 2905

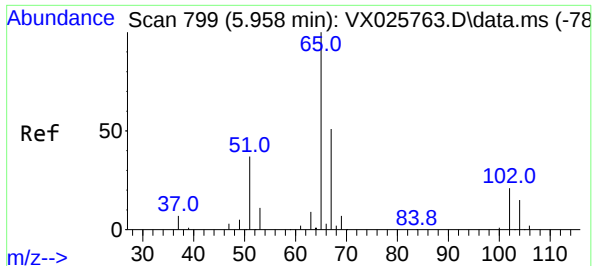
Ion Ratio Lower Upper

56 100

69 197.9 23.9 35.9#

84 165.8 73.2 109.8#





#33

1,2-Dichloroethane-d4

Concen: 47.287 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX025786.D

Acq: 14 Dec 2021 18:53

Instrument :

MSVOA_X

ClientSampleId :

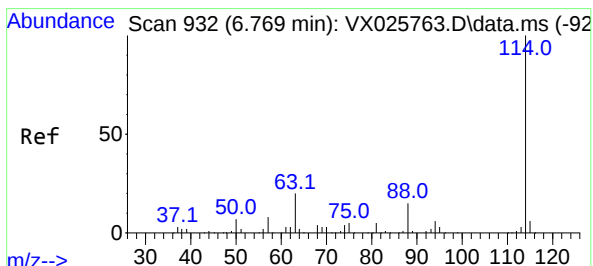
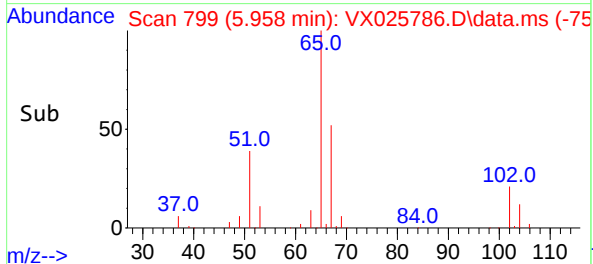
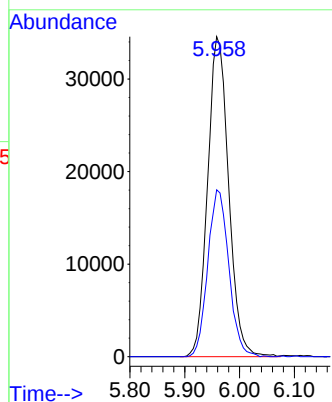
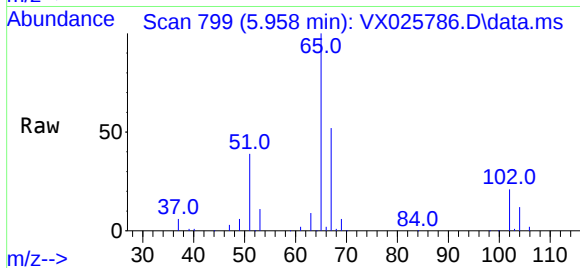
RE109D2-20211207

Tgt Ion: 65 Resp: 91980

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX025786.D

Acq: 14 Dec 2021 18:53

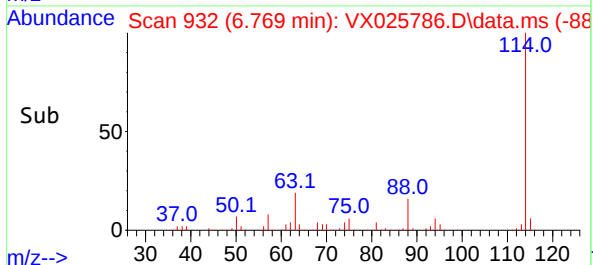
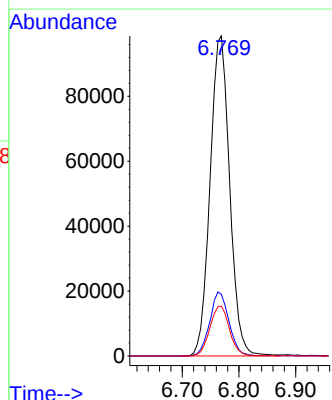
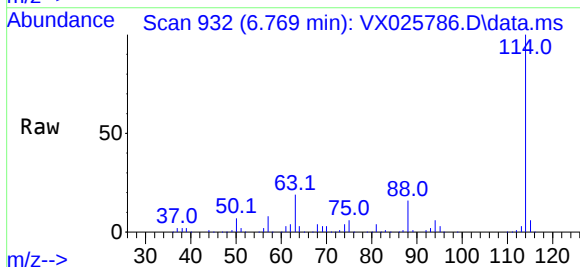
Tgt Ion: 114 Resp: 236341

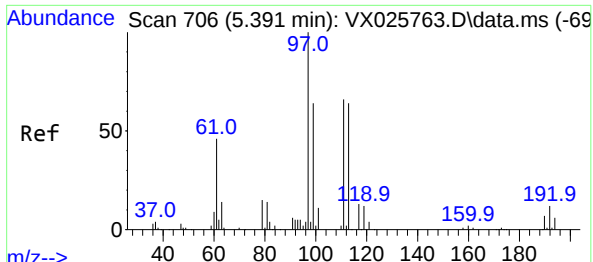
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

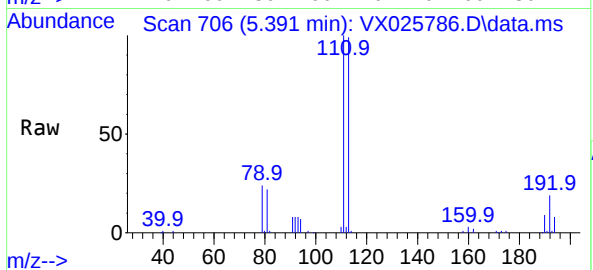
88 15.6 0.0 30.6



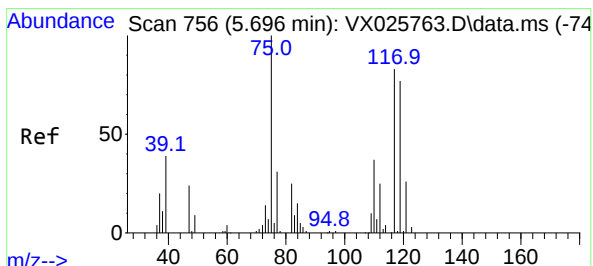
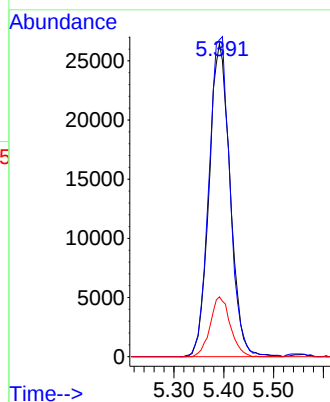
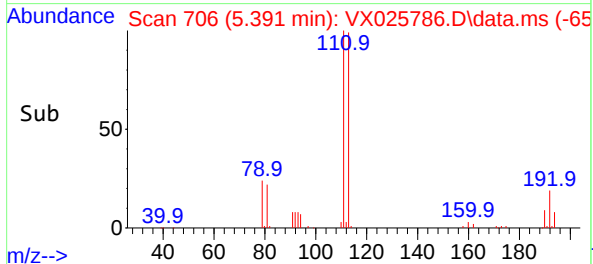


#35
Dibromofluoromethane
Concen: 46.995 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53

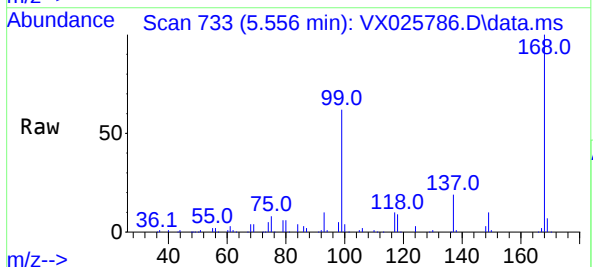
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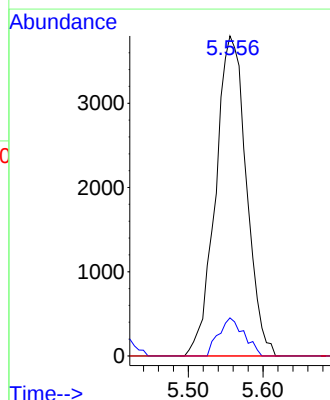
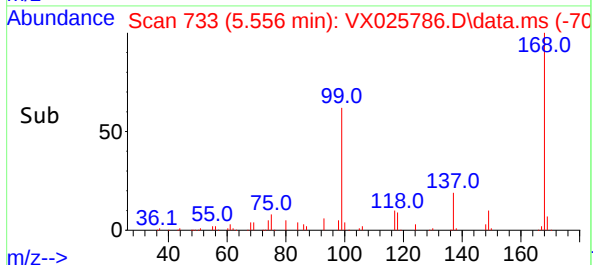
Tgt Ion:113 Resp: 77461
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 18.3 15.0 22.4

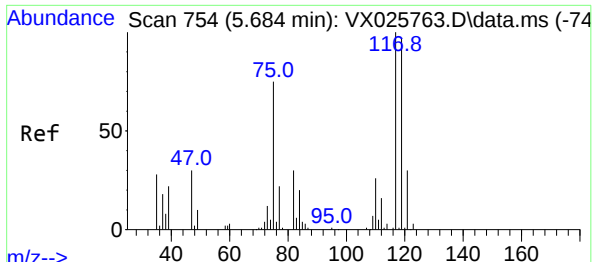


#36
1,1-Dichloropropene
Concen: 4.866 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53



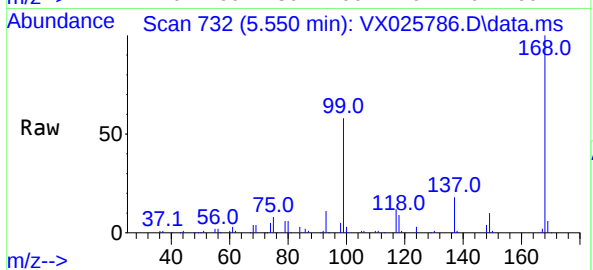
Tgt Ion: 75 Resp: 10876
Ion Ratio Lower Upper
75 100
110 9.8 18.2 54.6#
77 0.0 24.7 37.1#



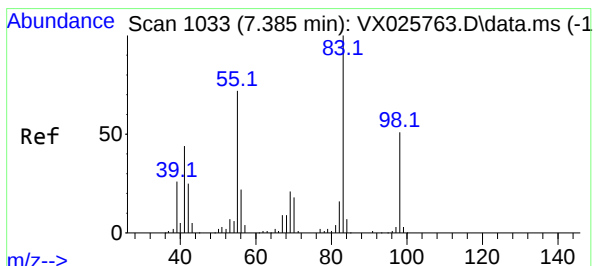
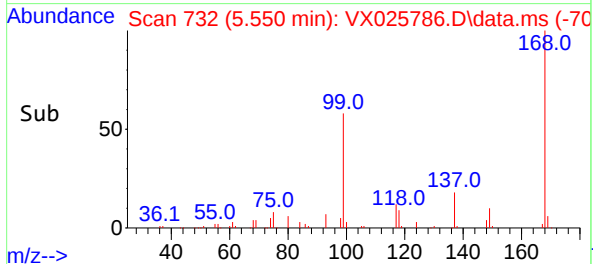
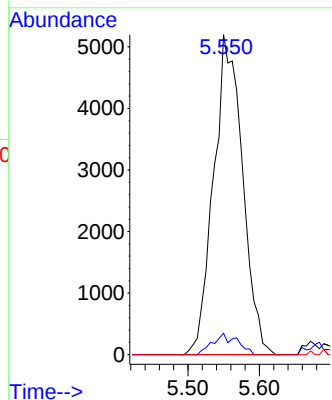


#38
Carbon Tetrachloride
Concen: 5.611 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53

Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20211207

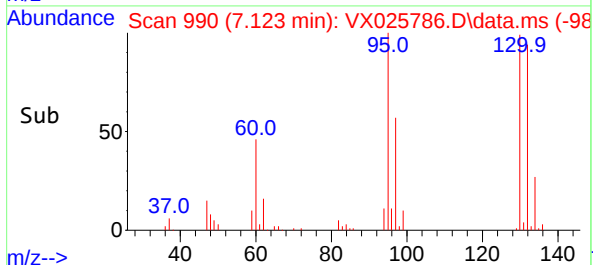
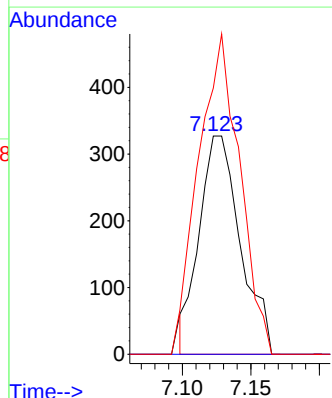
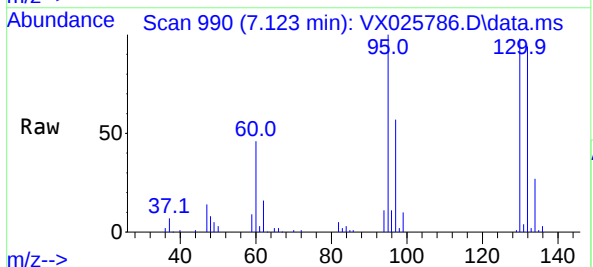


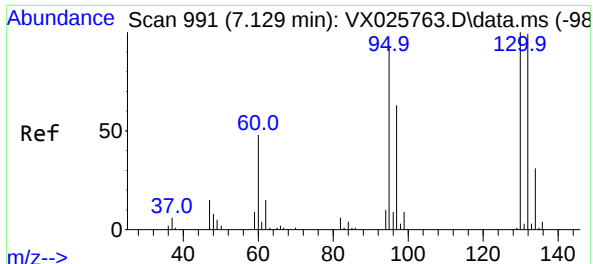
Tgt Ion:117 Resp: 14594
Ion Ratio Lower Upper
117 100
119 6.7 77.2 115.8#
121 0.0 23.8 35.8#



#39
Methylcyclohexane
Concen: 0.273 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53

Tgt Ion: 83 Resp: 684
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.8#
98 122.0 40.5 60.7#

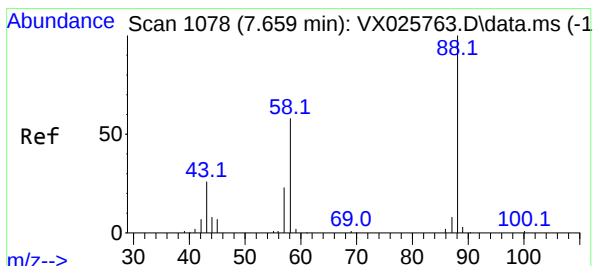
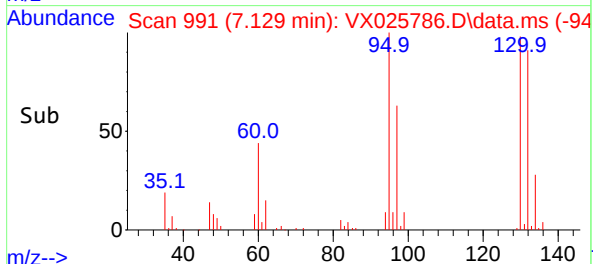
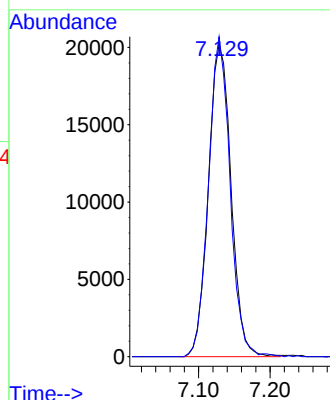
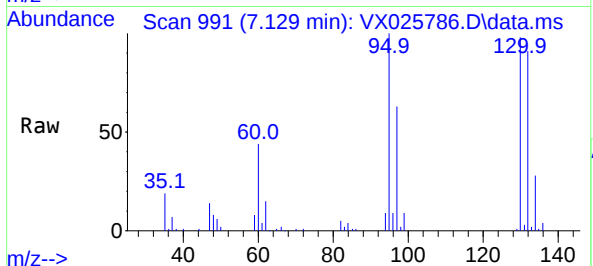




#44
Trichloroethene
Concen: 23.992 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53

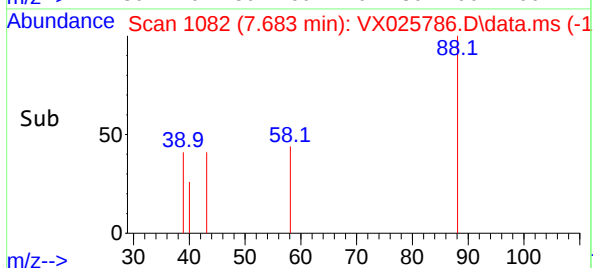
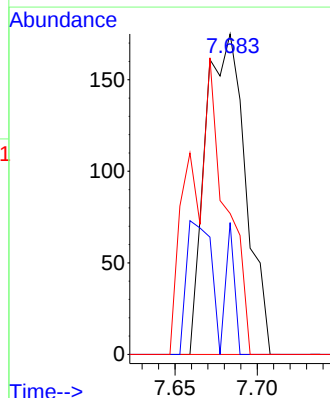
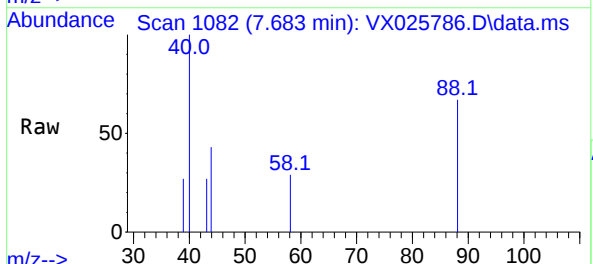
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20211207

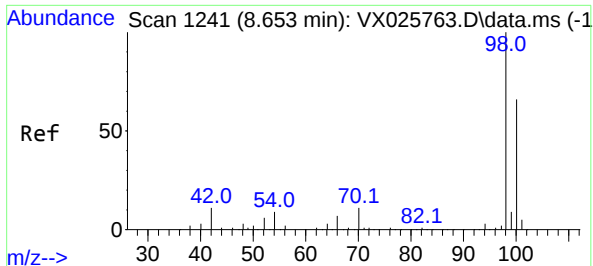
Tgt Ion:130 Resp: 44536
Ion Ratio Lower Upper
130 100
95 102.5 0.0 186.4



#49
1,4-Dioxane
Concen: 7.196 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53

Tgt Ion: 88 Resp: 296
Ion Ratio Lower Upper
88 100
43 0.0 25.3 37.9#
58 80.4 51.8 77.6#

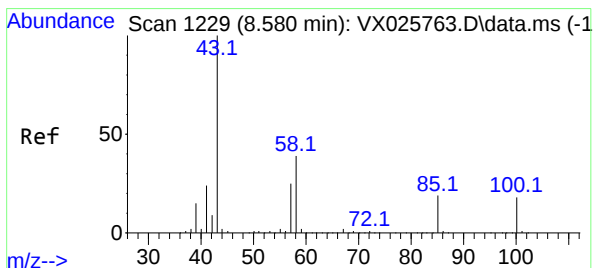
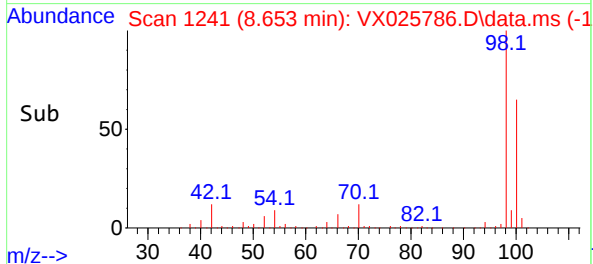
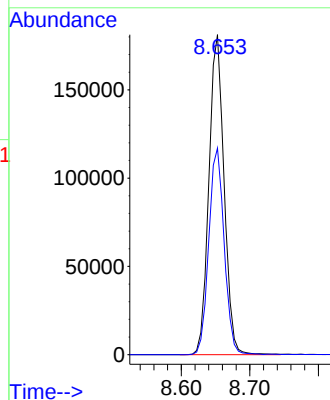
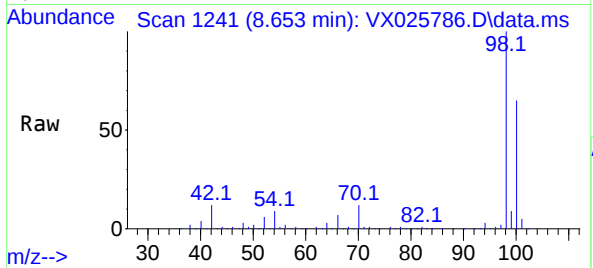




#50
Toluene-d8
Concen: 46.438 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53

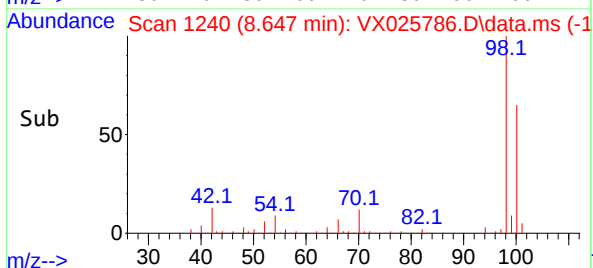
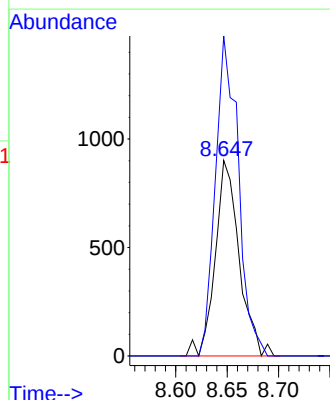
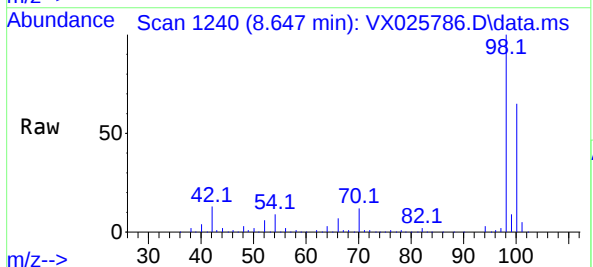
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20211207

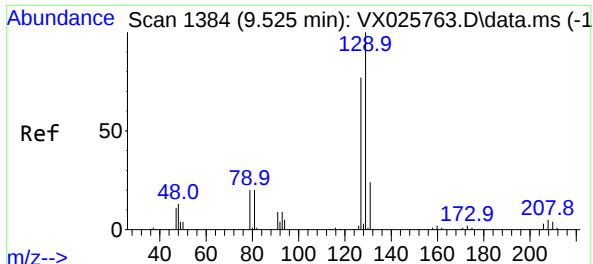
Tgt Ion: 98 Resp: 278884
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.556 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53

Tgt Ion: 43 Resp: 1457
Ion Ratio Lower Upper
43 100
58 156.7 30.8 46.2#





#60

Dibromochloromethane

Concen: 0.338 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX025786.D

Acq: 14 Dec 2021 18:53

Instrument :

MSVOA_X

ClientSampleId :

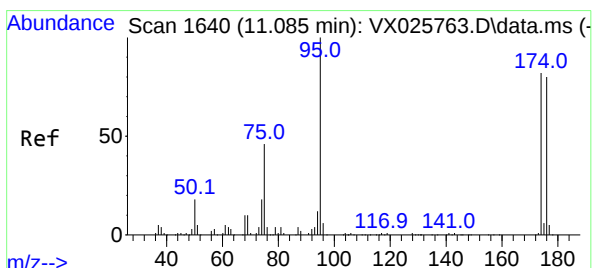
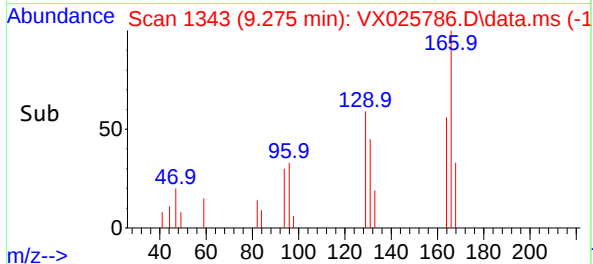
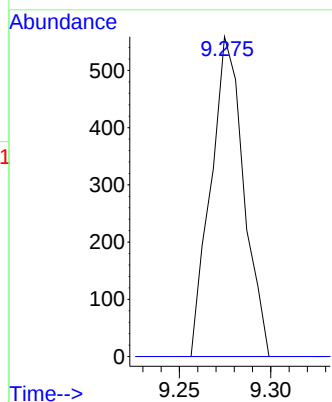
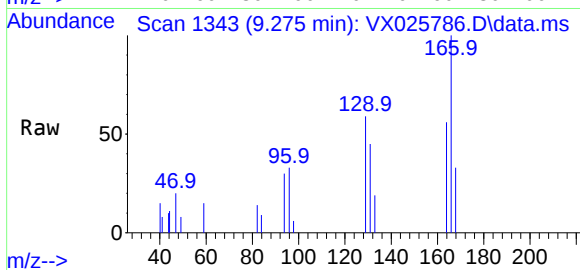
RE109D2-20211207

Tgt Ion:129 Resp: 699

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.7#



#62

4-Bromofluorobenzene

Concen: 46.397 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX025786.D

Acq: 14 Dec 2021 18:53

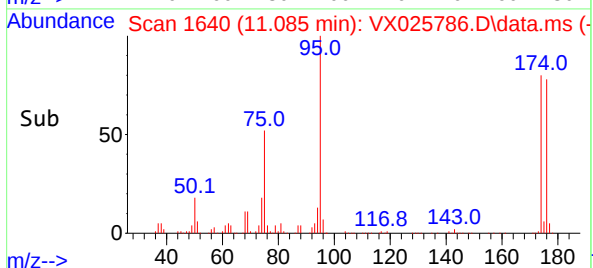
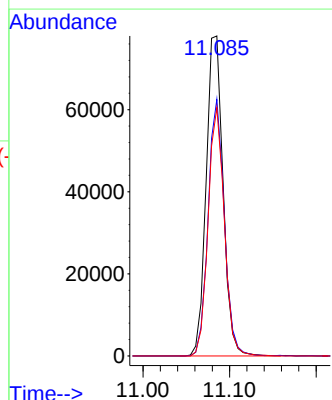
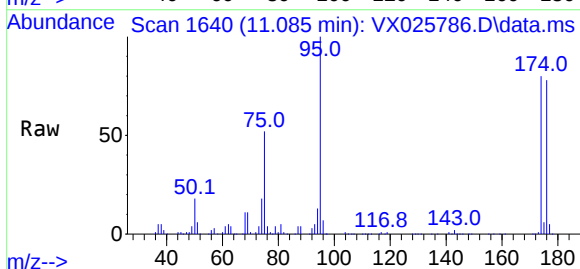
Tgt Ion: 95 Resp: 105843

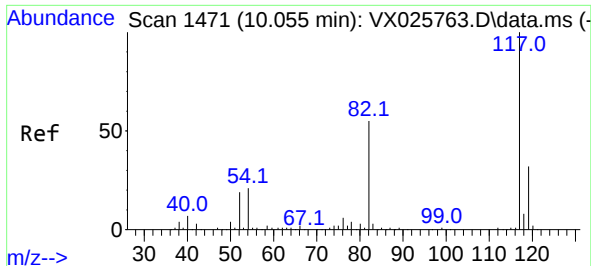
Ion Ratio Lower Upper

95 100

174 76.9 0.0 157.4

176 74.2 0.0 154.6

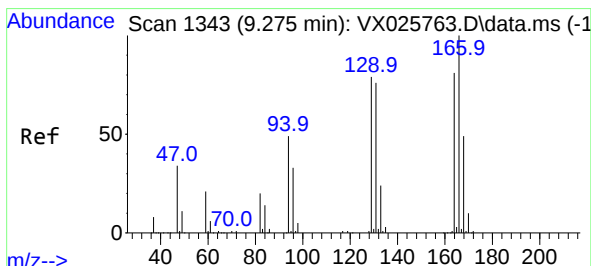
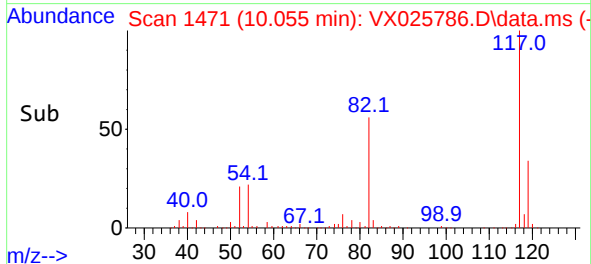
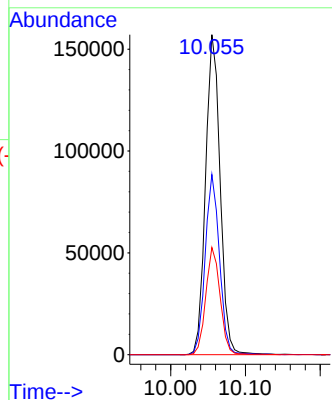
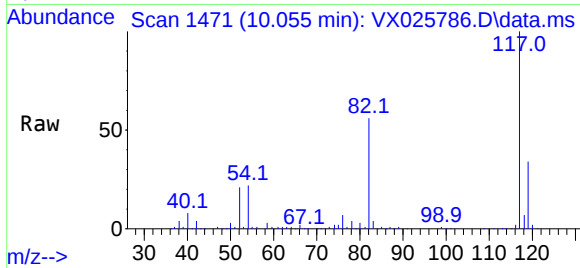




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53

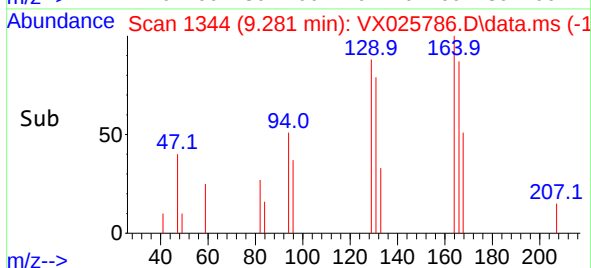
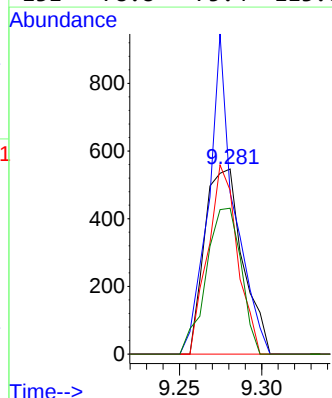
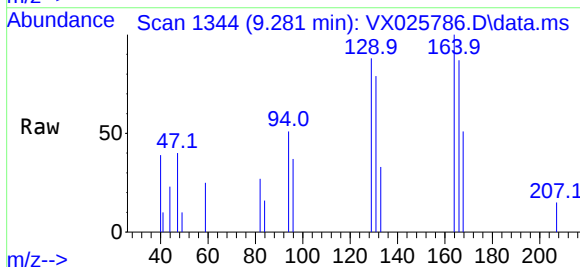
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20211207

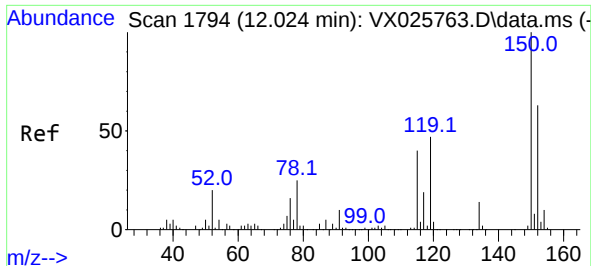
Tgt Ion:117 Resp: 212900
Ion Ratio Lower Upper
117 100
82 56.3 43.8 65.6
119 33.5 25.2 37.8



#64
Tetrachloroethene
Concen: 0.518 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53

Tgt Ion:164 Resp: 879
Ion Ratio Lower Upper
164 100
166 87.2 99.4 149.0#
129 88.5 78.6 118.0
131 78.8 75.4 113.0

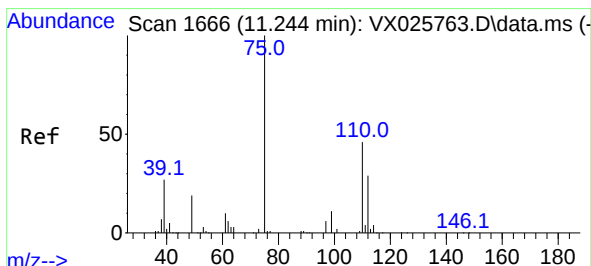
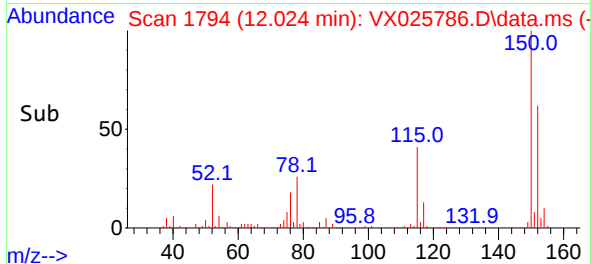
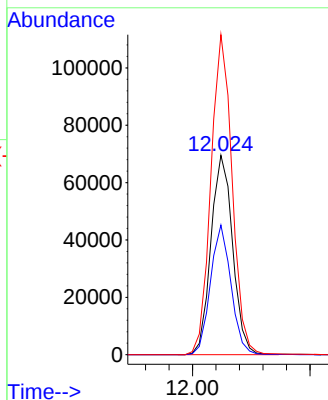
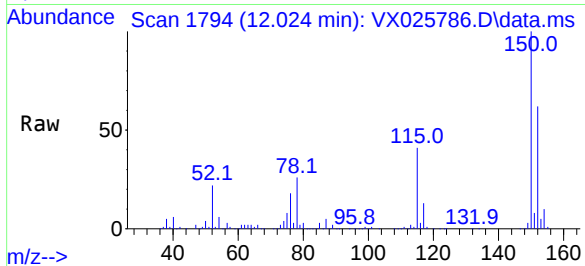




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53

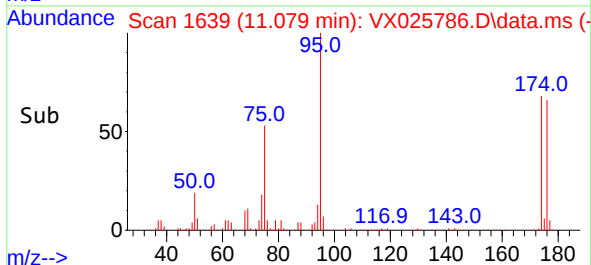
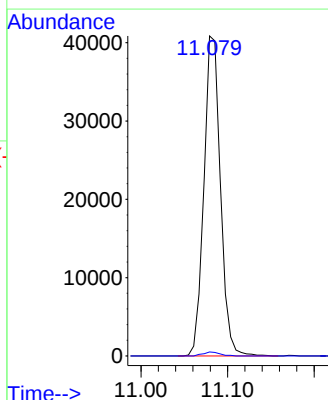
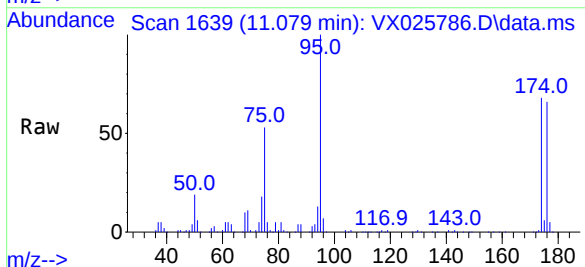
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20211207

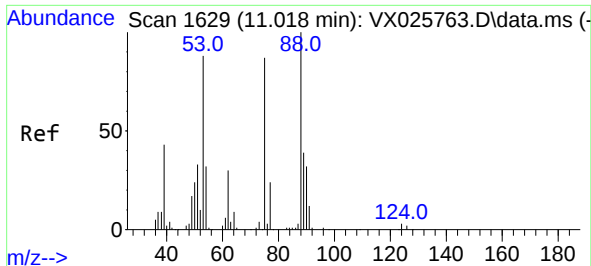
Tgt Ion:152 Resp: 89401
Ion Ratio Lower Upper
152 100
115 61.6 41.3 123.9
150 157.2 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 26.471 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53

Tgt Ion: 75 Resp: 54221
Ion Ratio Lower Upper
75 100
77 1.3 19.0 57.0#

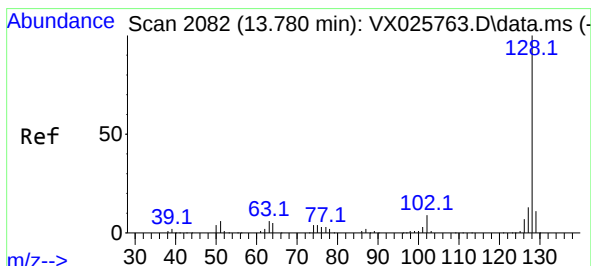
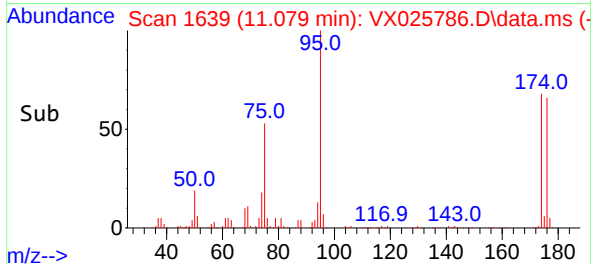
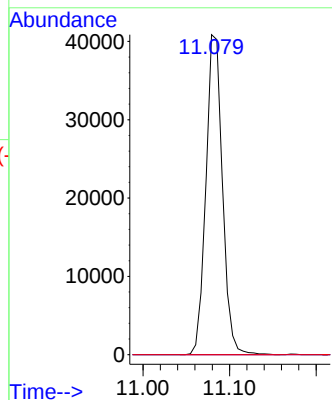
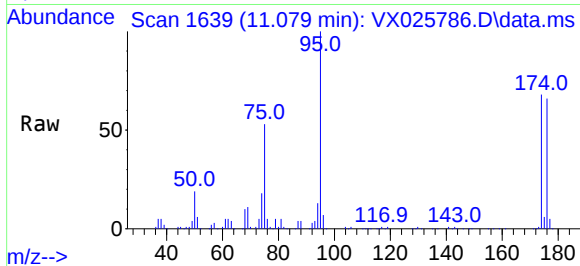




#81
trans-1,4-Dichloro-2-butene
Concen: 82.067 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53

Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20211207

Tgt Ion: 75 Resp: 54221
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#



#95
Naphthalene
Concen: 2.420 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX025786.D
Acq: 14 Dec 2021 18:53

Tgt Ion: 128 Resp: 52
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

