

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082622\
 Data File : VX030822.D
 Acq On : 26 Aug 2022 14:16
 Operator : JC/MD
 Sample : N4245-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D1-20220817

Quant Time: Aug 27 02:39:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	219259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	358533	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	307950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	122077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	131456	50.970	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.940%		
35) Dibromofluoromethane	5.397	113	110843	50.304	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.600%		
50) Toluene-d8	8.653	98	411675	53.615	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 107.220%		
62) 4-Bromofluorobenzene	11.085	95	132262	46.267	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 92.540%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	338	Below Cal	#	62
5) Bromomethane	1.605	94	329	0.322	ug/l	93
6) Chloroethane	1.727	64	48	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	2.331	101	485	0.227	ug/l #	65
10) Methyl Iodide	2.465	142	182	4.123	ug/l #	45
13) Acrolein	2.002	56	21	10.093	ug/l #	14
16) Acetone	2.380	43	1416	1.188	ug/l #	82
17) Carbon Disulfide	2.520	76	432	Below Cal	#	74
20) Methylene Chloride	2.788	84	517	Below Cal	#	65
31) Cyclohexane	5.562	56	4286	1.300	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	16562	5.520	ug/l #	48
38) Carbon Tetrachloride	5.556	117	21566	6.814	ug/l #	17
44) Trichloroethene	7.129	130	31518	12.152	ug/l	86
49) 1,4-Dioxane	7.677	88	1013	15.378	ug/l #	71
51) 4-Methyl-2-Pentanone	8.653	43	1609	0.446	ug/l #	1
60) Dibromochloromethane	9.275	129	2306	0.888	ug/l #	11
64) Tetrachloroethene	9.281	164	2674	1.102	ug/l #	71
76) 1,2,3-Trichloropropane	11.085	75	64627	24.164	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	64627	77.963	ug/l #	12

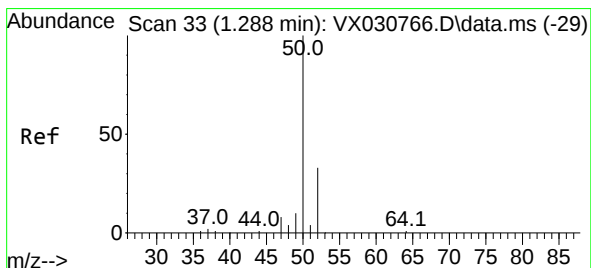
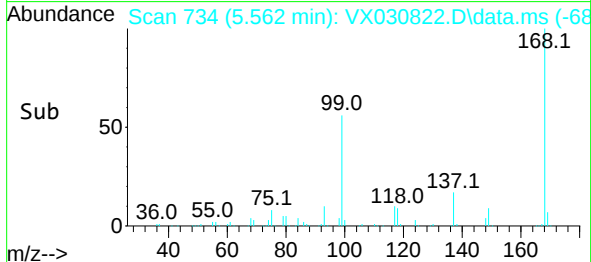
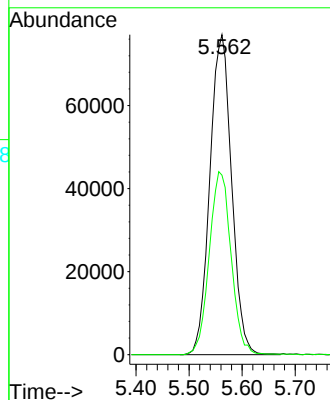
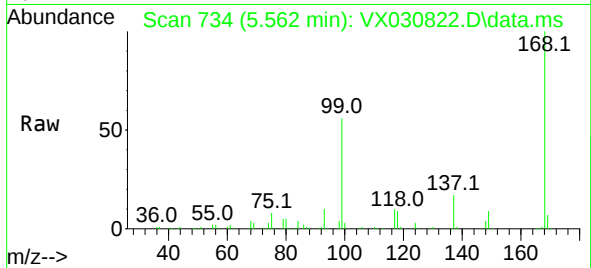
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

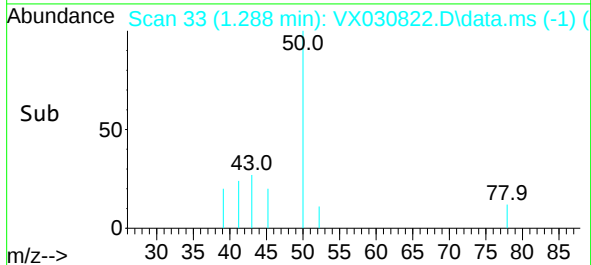
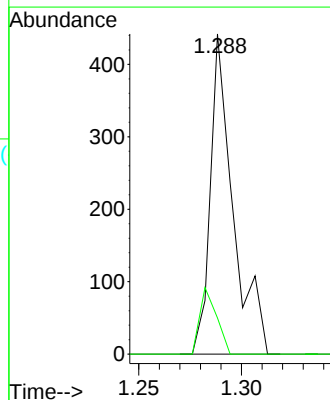
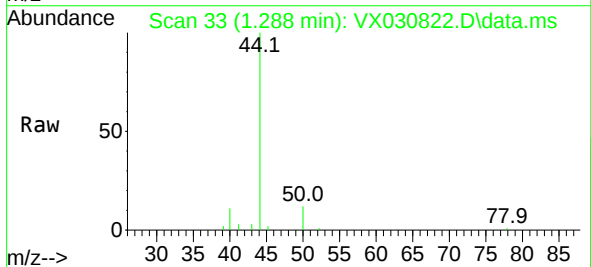
Instrument :
MSVOA_X
ClientSampleId :
RE109D1-20220817

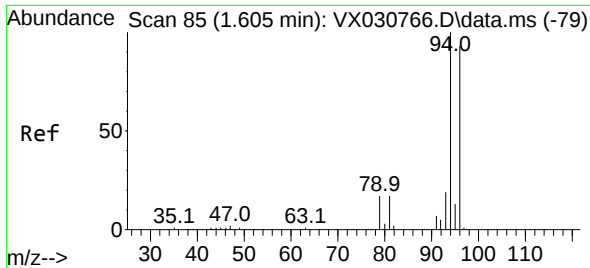
Tgt Ion:168 Resp: 219259
Ion Ratio Lower Upper
168 100
99 56.1 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

Tgt Ion: 50 Resp: 338
Ion Ratio Lower Upper
50 100
52 11.3 26.3 39.5#

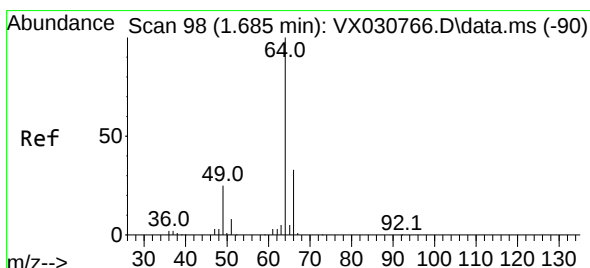
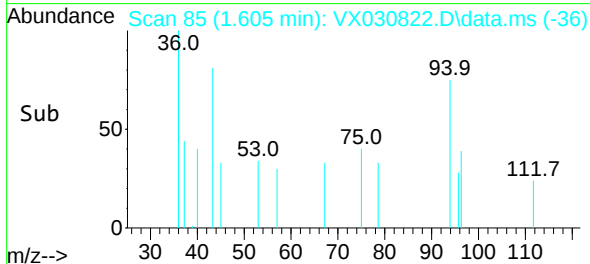
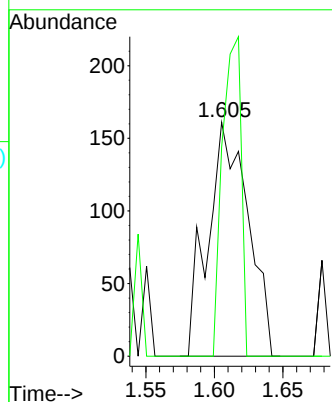
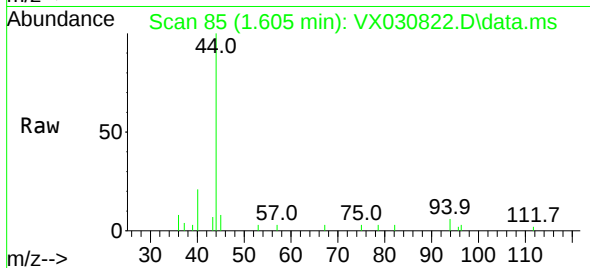




#5
 Bromomethane
 Concen: 0.322 ug/l
 RT: 1.605 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VX030822.D
 Acq: 26 Aug 2022 14:16

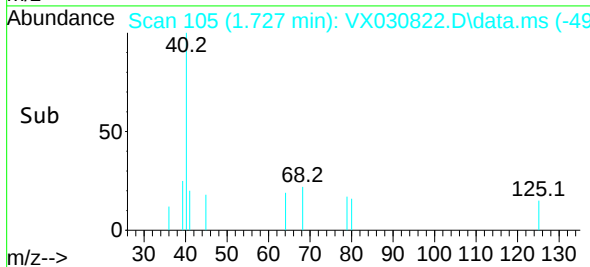
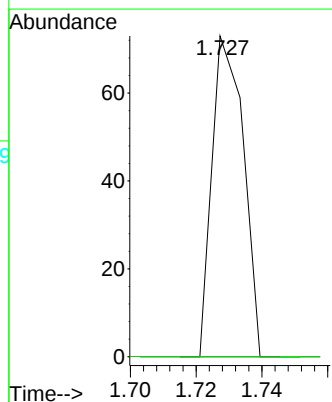
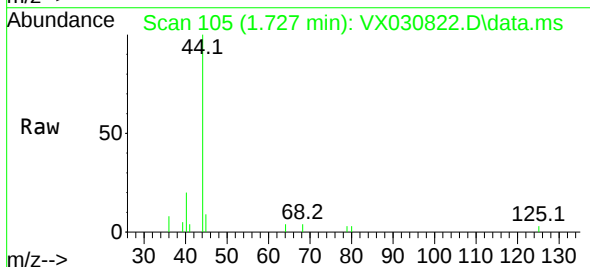
Instrument :
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 ClientSampleId :
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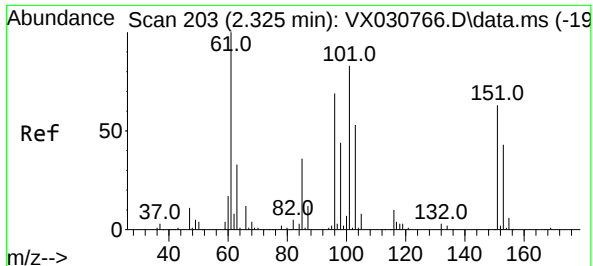
Tgt Ion: 94 Resp: 329
 Ion Ratio Lower Upper
 94 100
 96 89.4 76.9 115.3



#6
 Chloroethane
 Concen: Below Cal
 RT: 1.727 min Scan# 105
 Delta R.T. 0.042 min
 Lab File: VX030822.D
 Acq: 26 Aug 2022 14:16

Tgt Ion: 64 Resp: 48
 Ion Ratio Lower Upper
 64 100
 66 0.0 27.2 40.8#

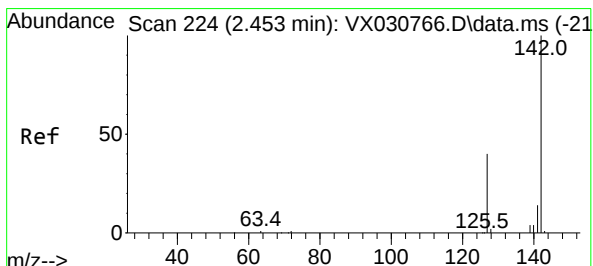
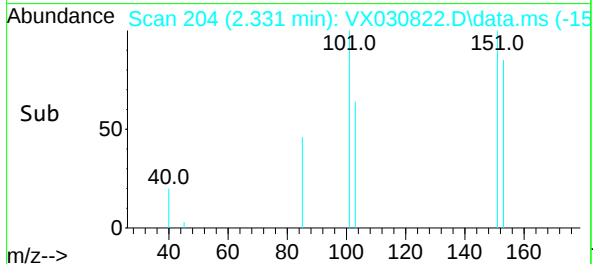
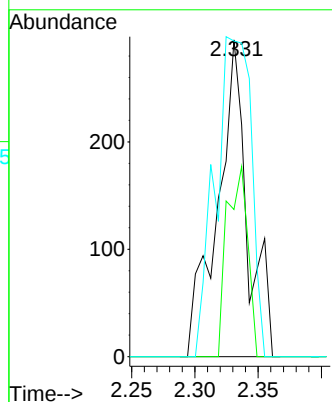
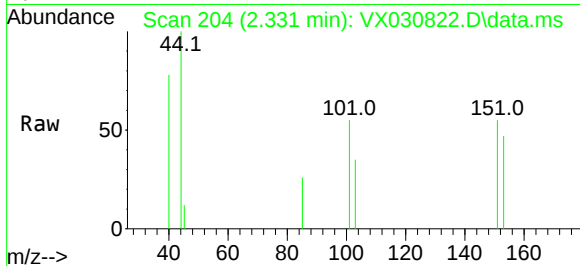




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.227 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

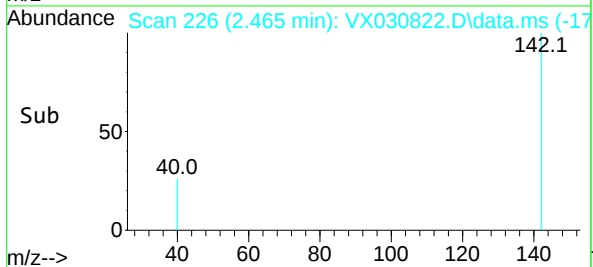
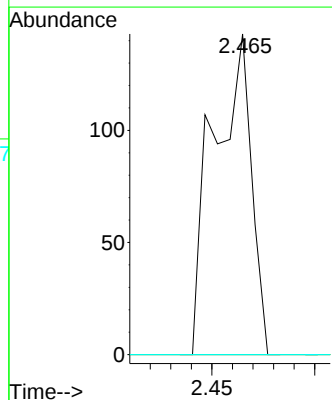
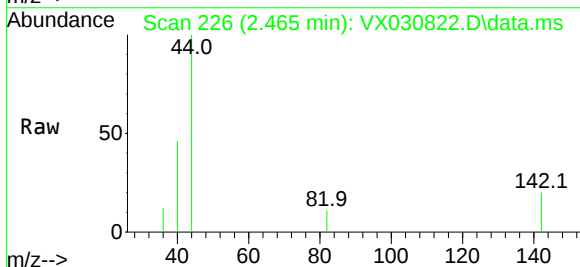
Instrument :
MSVOA_X
ClientSampleId :
RE109D1-20220817

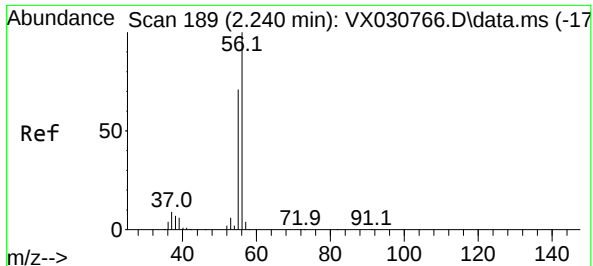
Tgt Ion:101 Resp: 485
Ion Ratio Lower Upper
101 100
85 41.6 34.0 51.0
151 120.6 59.4 89.0#



#10
Methyl Iodide
Concen: 4.123 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

Tgt Ion:142 Resp: 182
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#

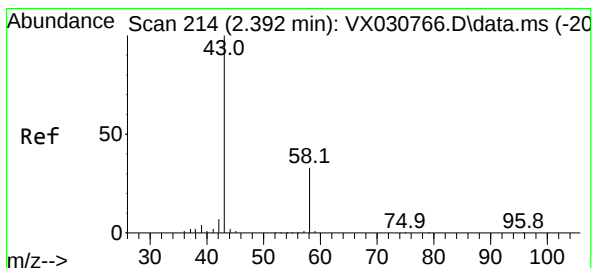
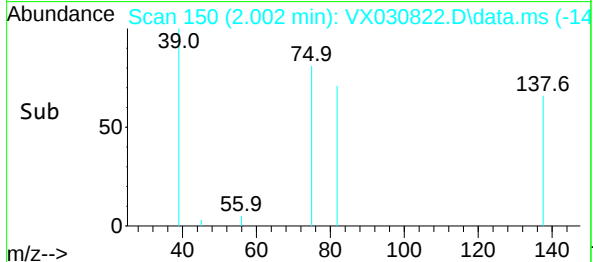
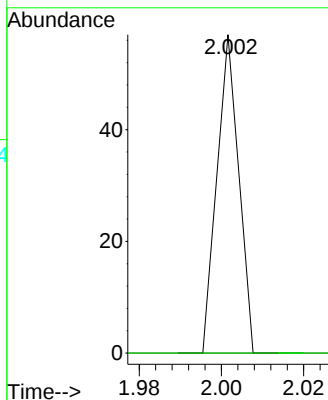
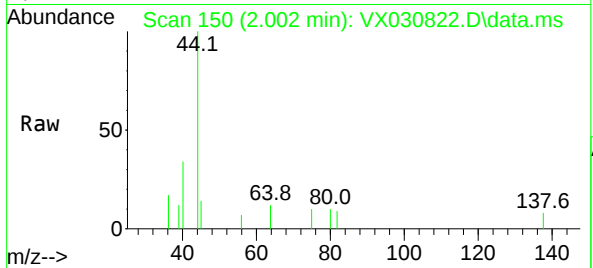




#13
Acrolein
Concen: 10.093 ug/l
RT: 2.002 min Scan# 11
Delta R.T. -0.238 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

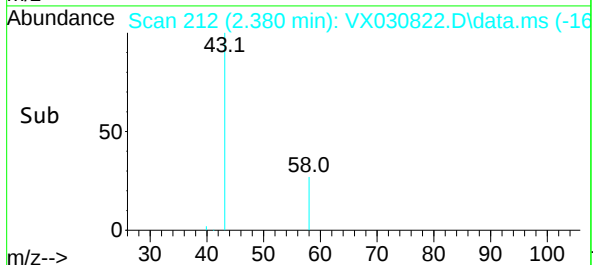
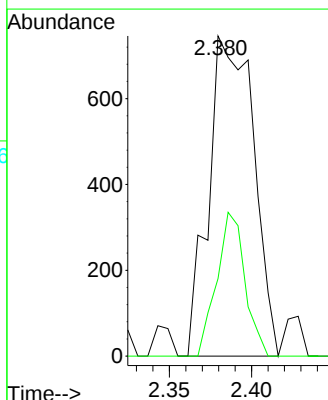
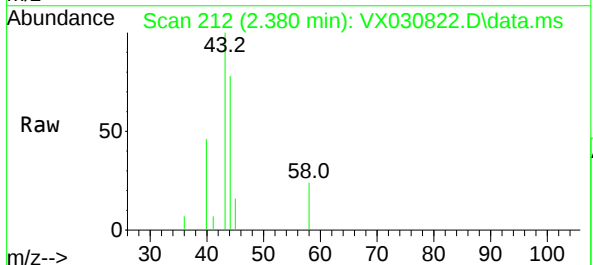
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RE109D1-20220817

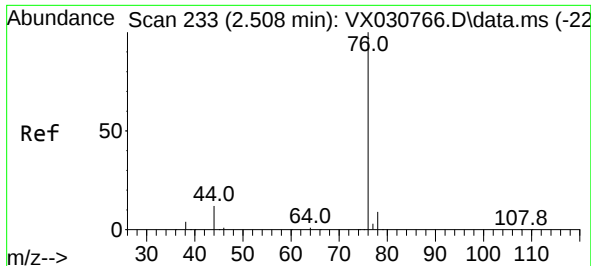
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 1.188 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

Tgt Ion: 43 Resp: 1416
Ion Ratio Lower Upper
43 100
58 24.3 27.7 41.5#

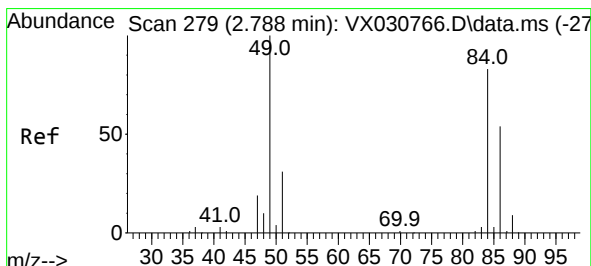
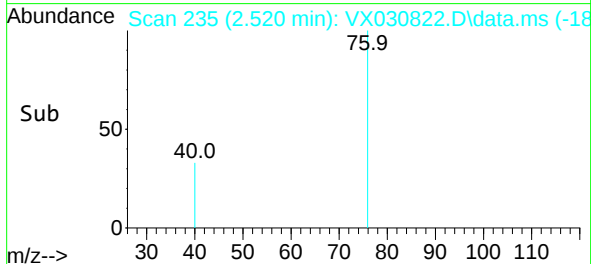
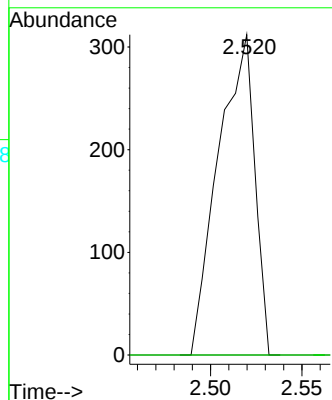
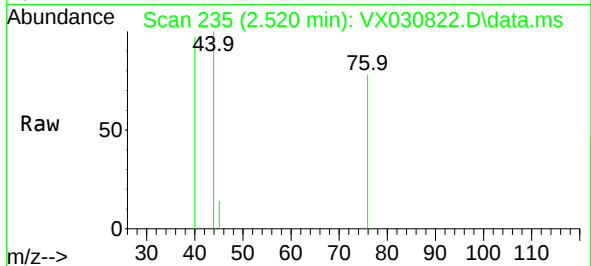




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.520 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

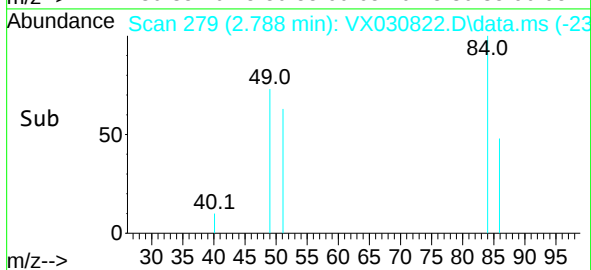
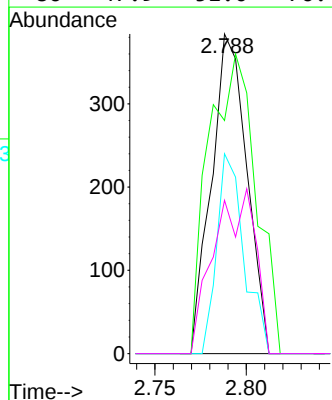
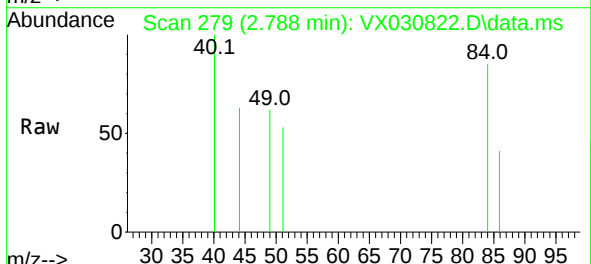
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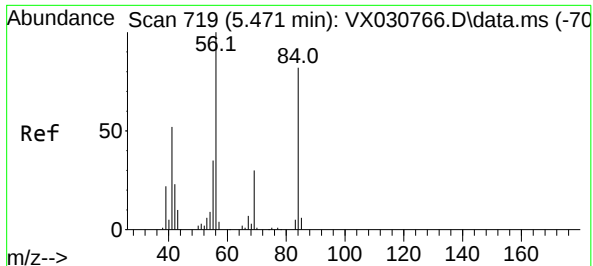
Tgt Ion: 76 Resp: 432
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

Tgt Ion: 84 Resp: 517
Ion Ratio Lower Upper
84 100
49 72.9 93.8 140.6#
51 62.5 29.4 44.0#
86 47.9 51.0 76.4#

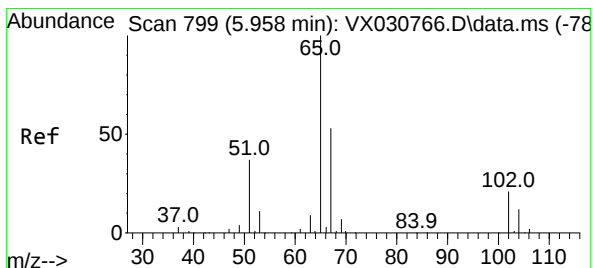
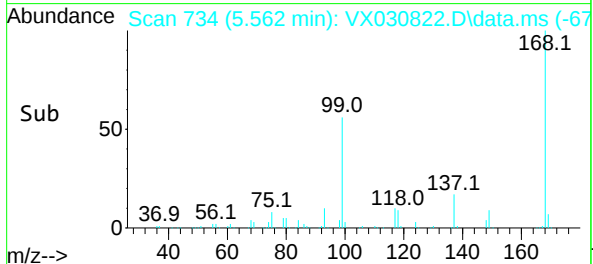
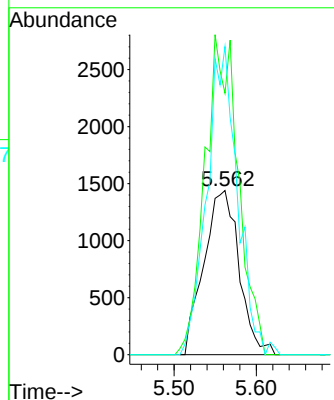
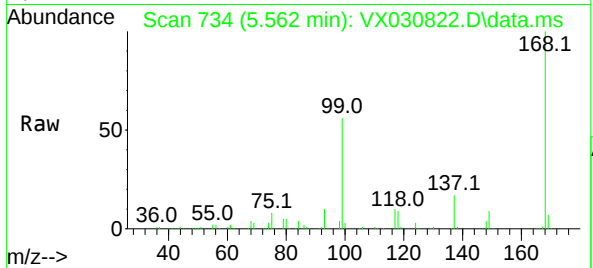




#31
Cyclohexane
Concen: 1.300 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

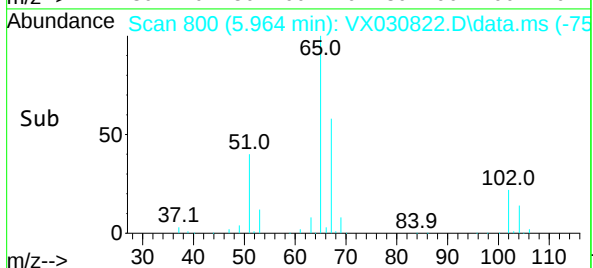
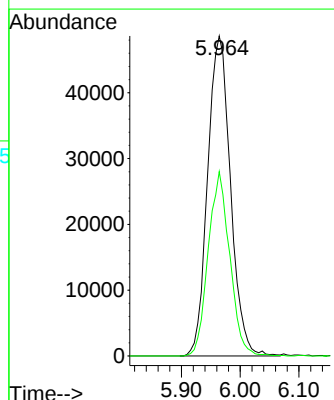
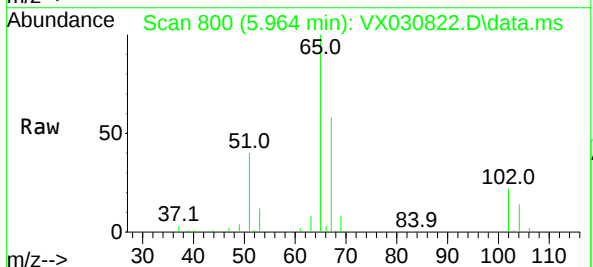
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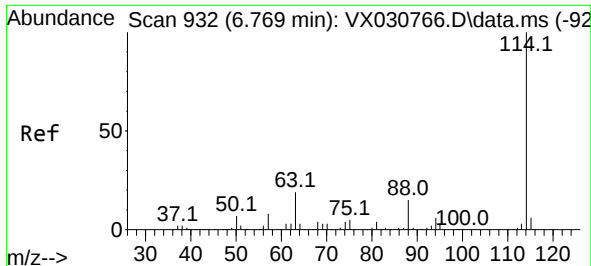
Tgt Ion: 56 Resp: 4286
Ion Ratio Lower Upper
56 100
69 159.3 25.4 38.0#
84 187.8 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 50.970 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

Tgt Ion: 65 Resp: 131456
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.6

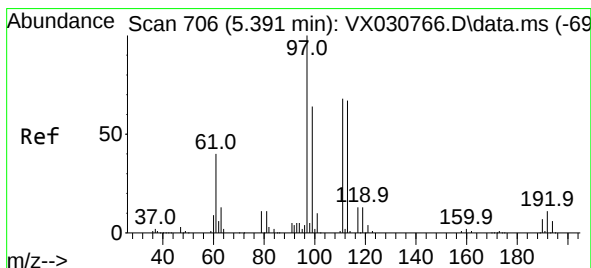
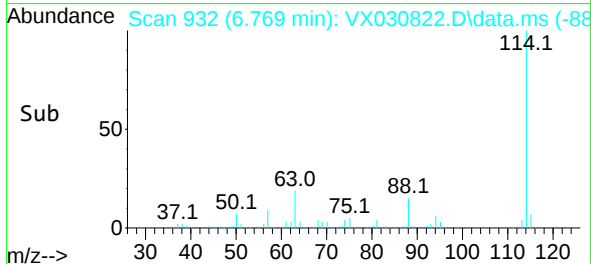
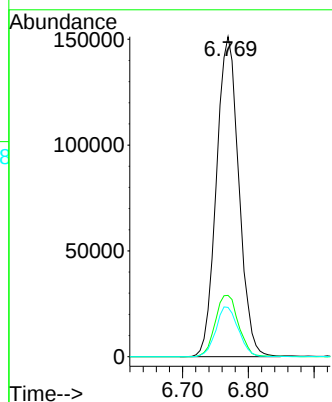
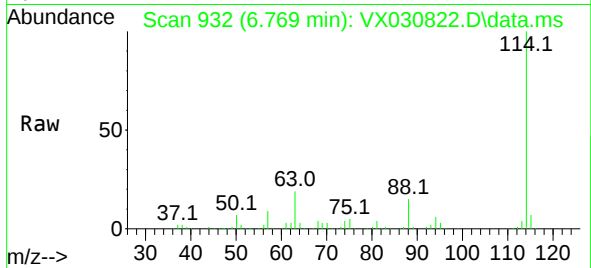




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

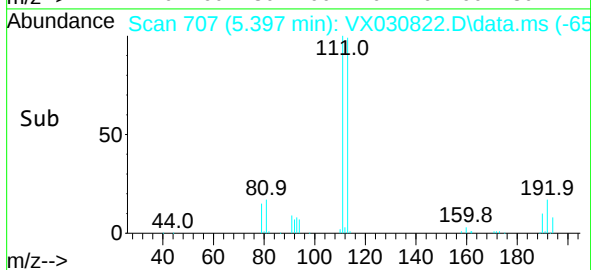
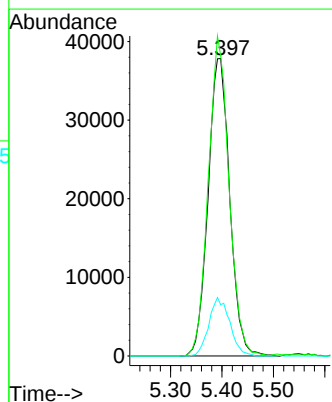
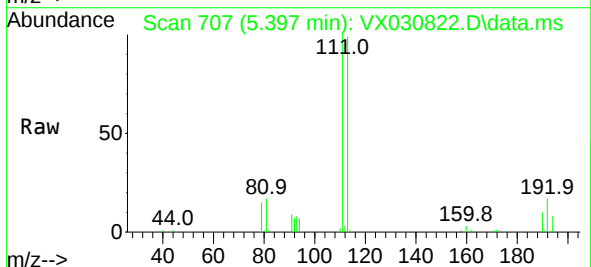
Instrument :
MSVOA_X
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RE109D1-20220817

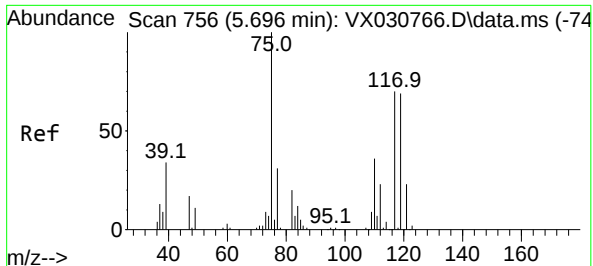
Tgt Ion:114 Resp: 358533
Ion Ratio Lower Upper
114 100
63 19.1 0.0 38.4
88 15.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.304 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

Tgt Ion:113 Resp: 110843
Ion Ratio Lower Upper
113 100
111 102.9 83.2 124.8
192 18.9 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.520 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX030822.D

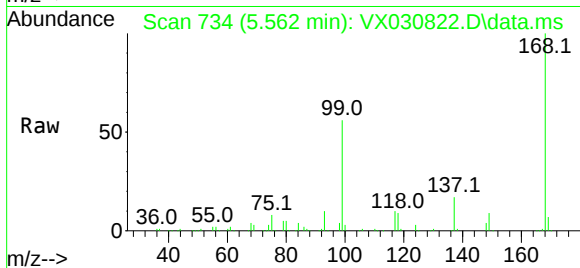
Acq: 26 Aug 2022 14:16

Instrument :

MSVOA_X

ClientSampleId :

RE109D1-20220817



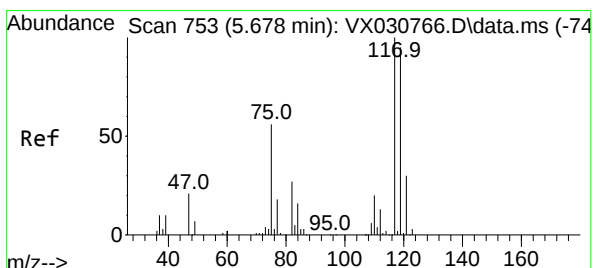
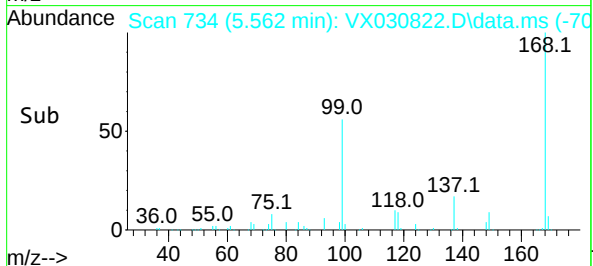
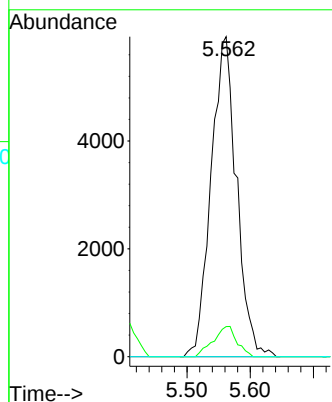
Tgt Ion: 75 Resp: 16562

Ion Ratio Lower Upper

75 100

110 8.8 19.3 57.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.814 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX030822.D

Acq: 26 Aug 2022 14:16

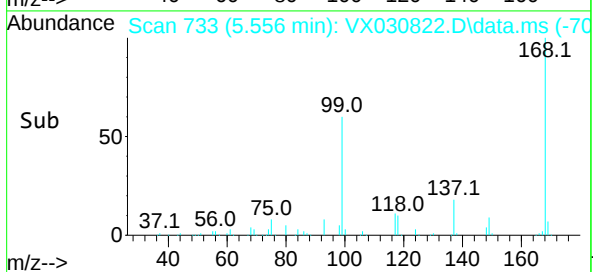
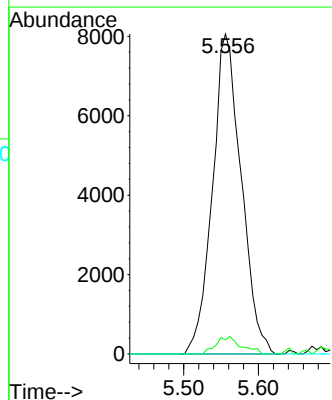
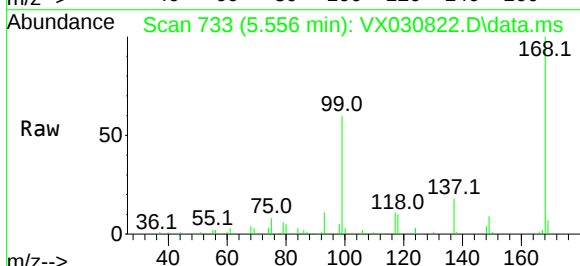
Tgt Ion: 117 Resp: 21566

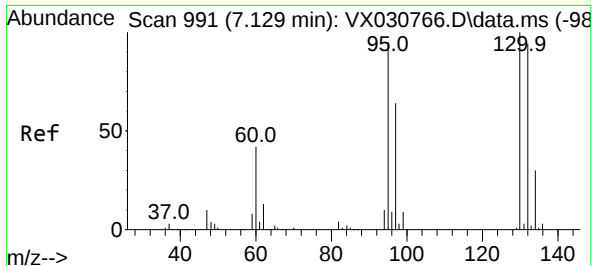
Ion Ratio Lower Upper

117 100

119 4.4 74.1 111.1#

121 0.0 25.8 38.8#

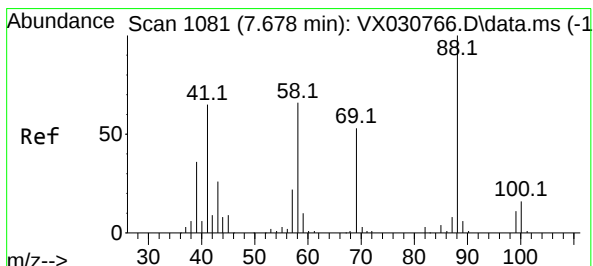
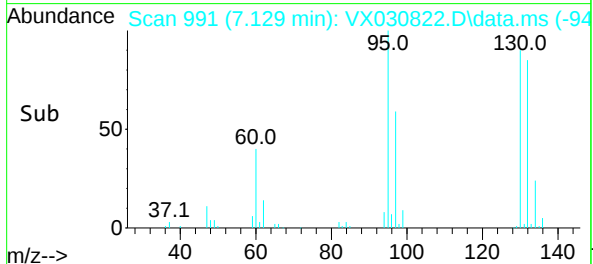
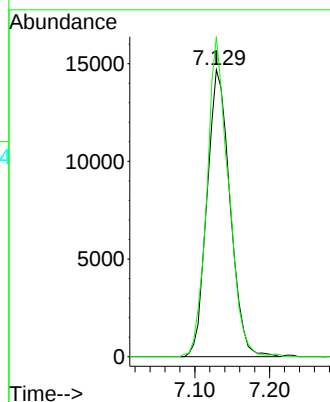
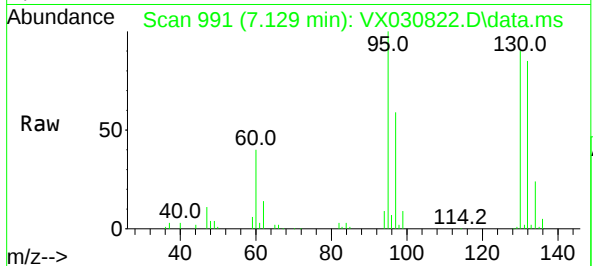




#44
Trichloroethene
Concen: 12.152 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

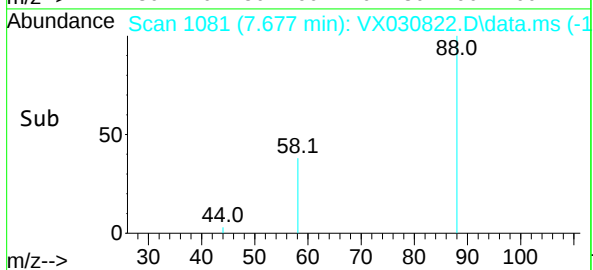
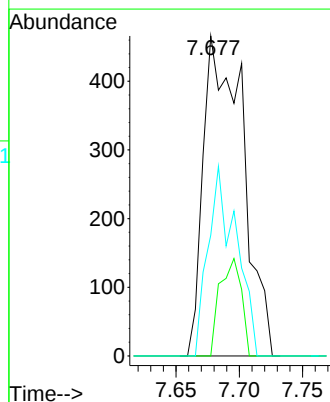
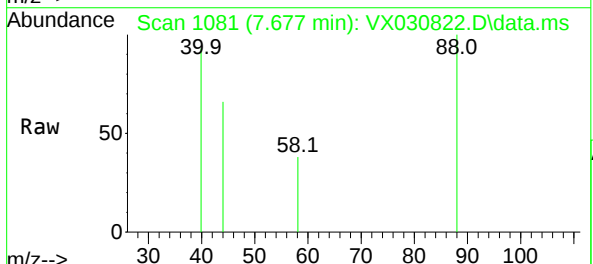
Instrument :
MSVOA_X
ClientSampleId :
RE109D1-20220817

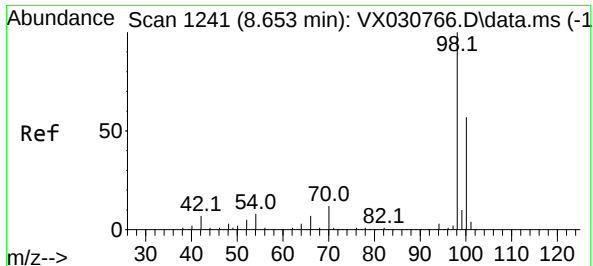
Tgt Ion:130 Resp: 31518
Ion Ratio Lower Upper
130 100
95 111.6 0.0 194.8



#49
1,4-Dioxane
Concen: 15.378 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.001 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

Tgt Ion: 88 Resp: 1013
Ion Ratio Lower Upper
88 100
43 16.5 23.8 35.8#
58 42.2 53.8 80.6#





#50

Toluene-d8

Concen: 53.615 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX030822.D

Acq: 26 Aug 2022 14:16

Instrument :

MSVOA_X

ClientSampleId :

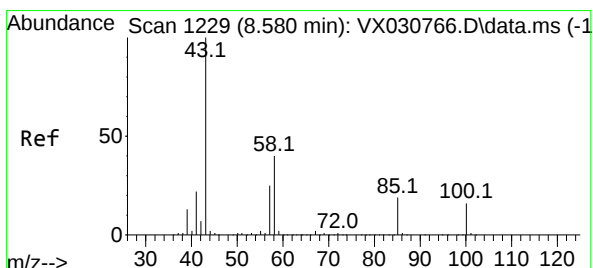
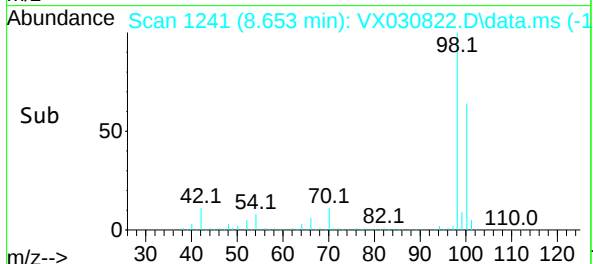
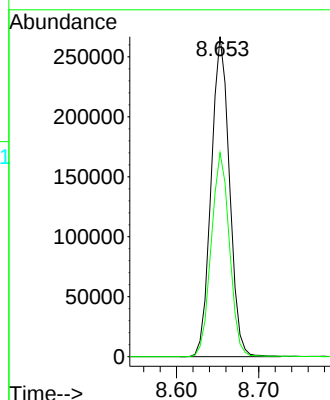
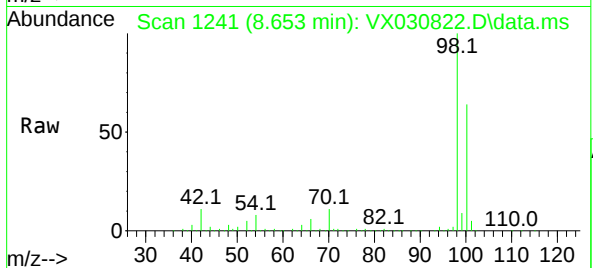
RE109D1-20220817

Tgt Ion: 98 Resp: 411675

Ion Ratio Lower Upper

98 100

100 63.6 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 0.446 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.073 min

Lab File: VX030822.D

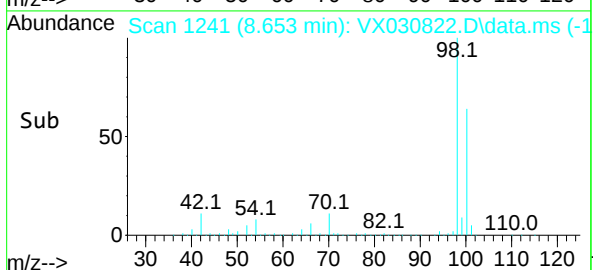
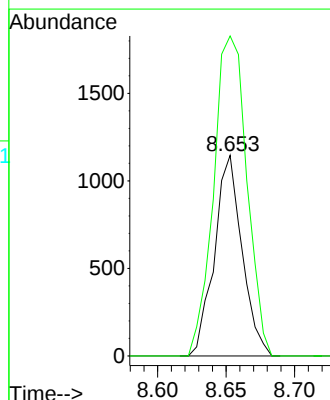
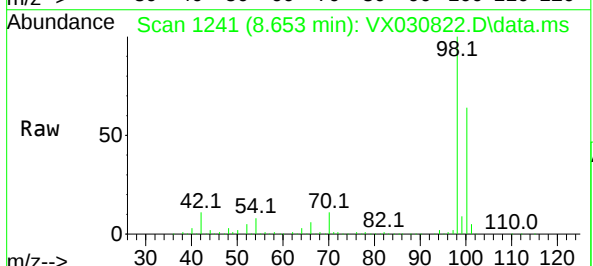
Acq: 26 Aug 2022 14:16

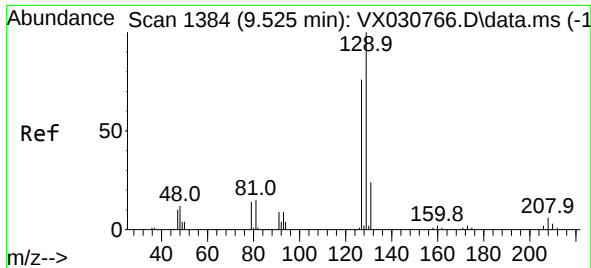
Tgt Ion: 43 Resp: 1609

Ion Ratio Lower Upper

43 100

58 191.6 31.4 47.2#

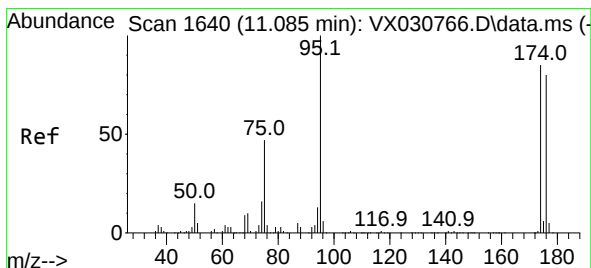
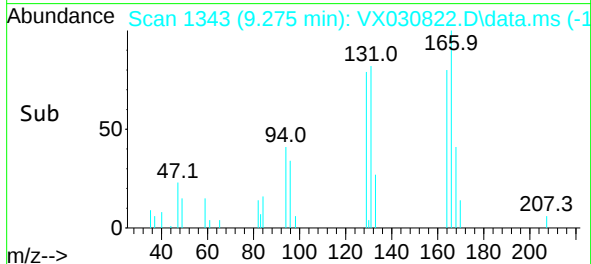
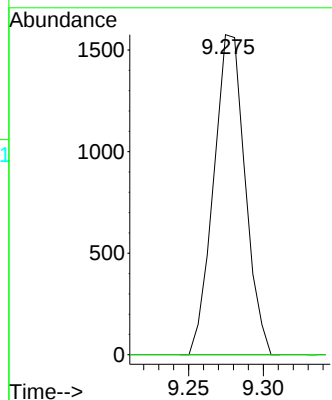
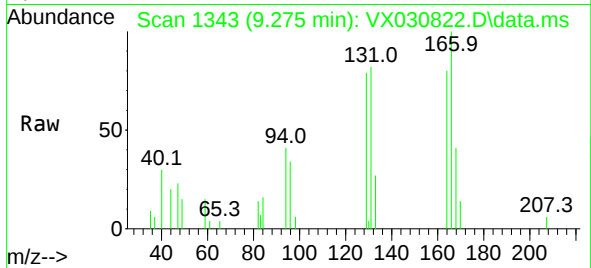




#60
Dibromochloromethane
Concen: 0.888 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

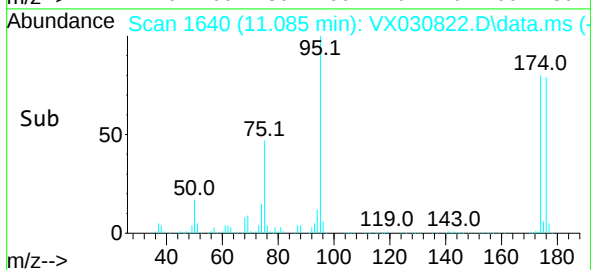
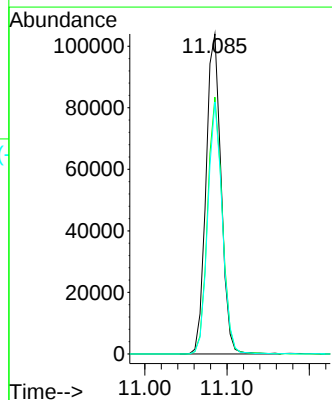
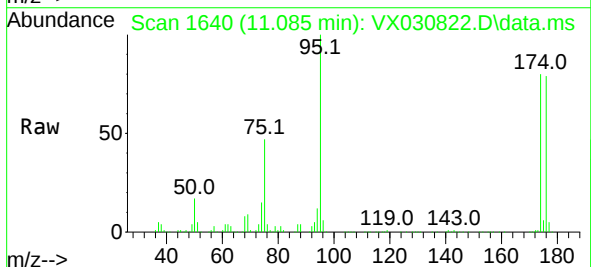
Instrument :
MSVOA_X
ClientSampleId :
RE109D1-20220817

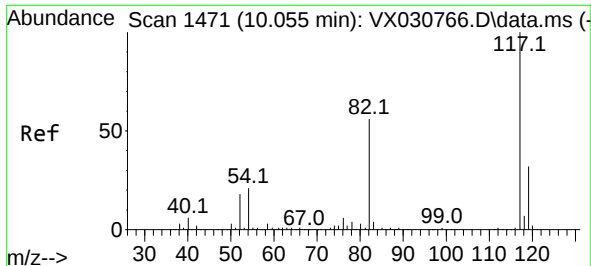
Tgt Ion:129 Resp: 2306
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 46.267 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

Tgt Ion: 95 Resp: 132262
Ion Ratio Lower Upper
95 100
174 78.5 0.0 149.0
176 75.9 0.0 146.0

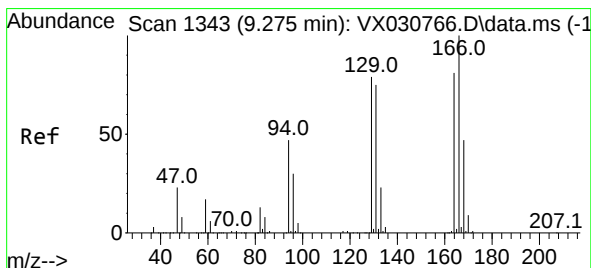
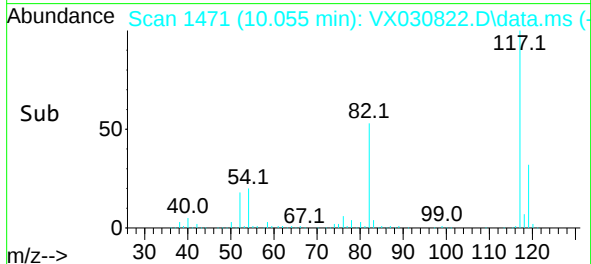
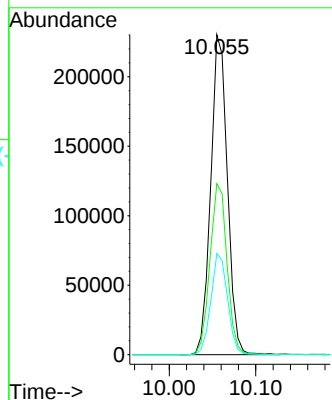
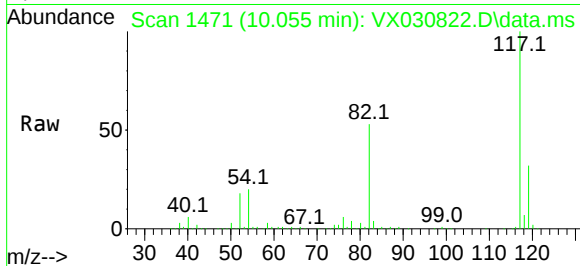




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

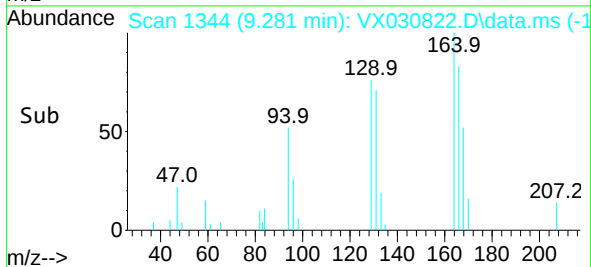
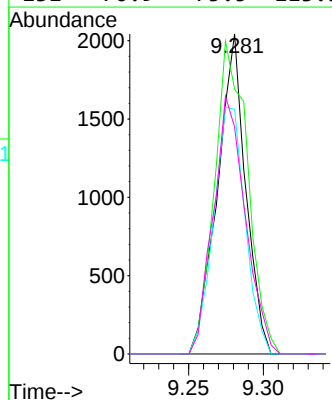
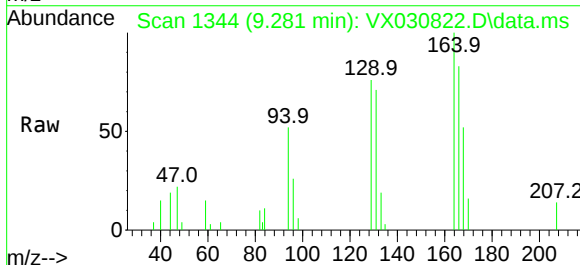
Instrument :
MSVOA_X
ClientSampleId :
RE109D1-20220817

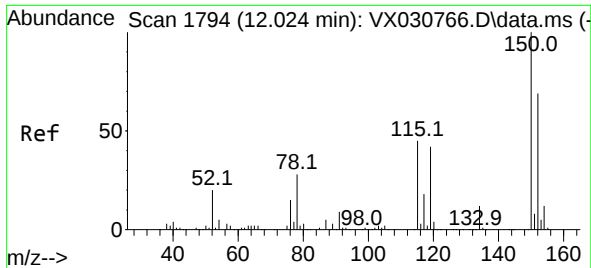
Tgt Ion:117 Resp: 307950
Ion Ratio Lower Upper
117 100
82 53.4 42.7 64.1
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 1.102 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

Tgt Ion:164 Resp: 2674
Ion Ratio Lower Upper
164 100
166 82.8 98.2 147.4#
129 76.5 80.8 121.2#
131 70.9 75.5 113.3#

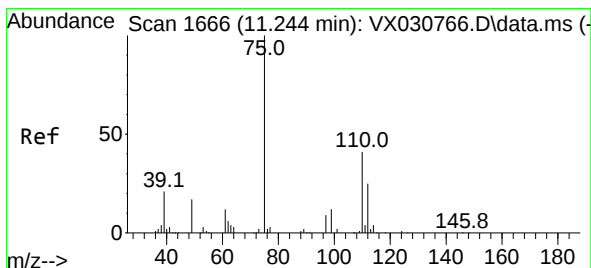
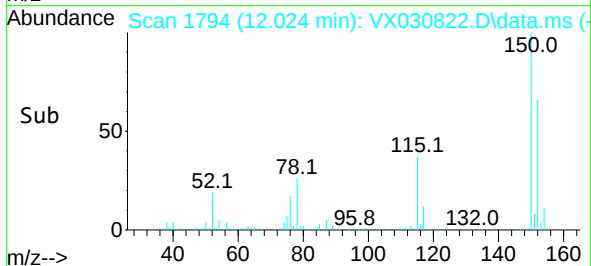
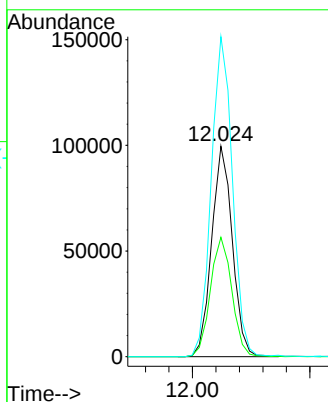
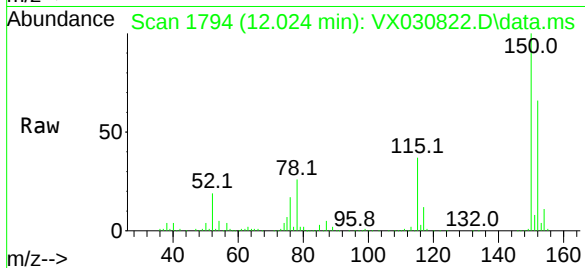




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

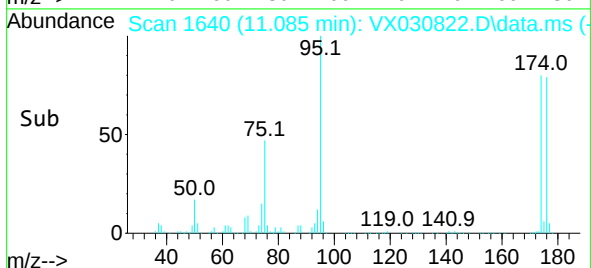
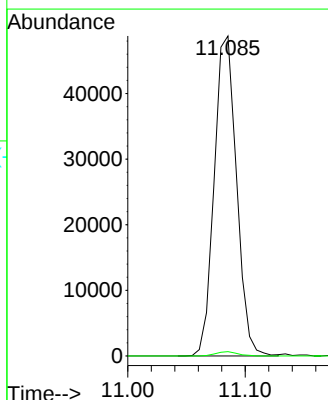
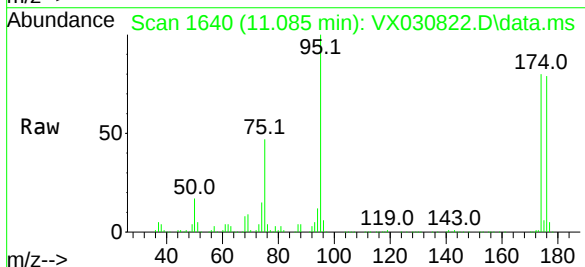
Instrument :
MSVOA_X
ClientSampleId :
RE109D1-20220817

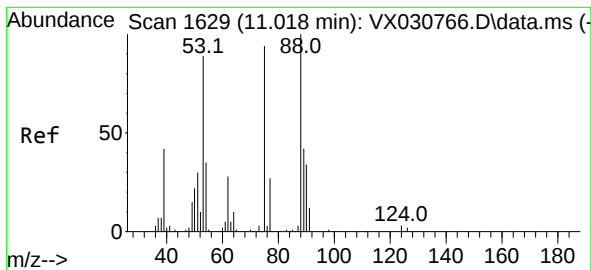
Tgt Ion:152 Resp: 122077
Ion Ratio Lower Upper
152 100
115 58.9 40.5 121.5
150 155.6 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 24.164 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030822.D
Acq: 26 Aug 2022 14:16

Tgt Ion: 75 Resp: 64627
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.963 ug/l
 RT: 11.085 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX030822.D
 Acq: 26 Aug 2022 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D1-20220817

Tgt Ion: 75 Resp: 64627
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

