

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
 Data File : VX044184.D
 Acq On : 09 Dec 2024 13:43
 Operator : JC/MD
 Sample : P5164-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20241206

Quant Time: Dec 10 01:41:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

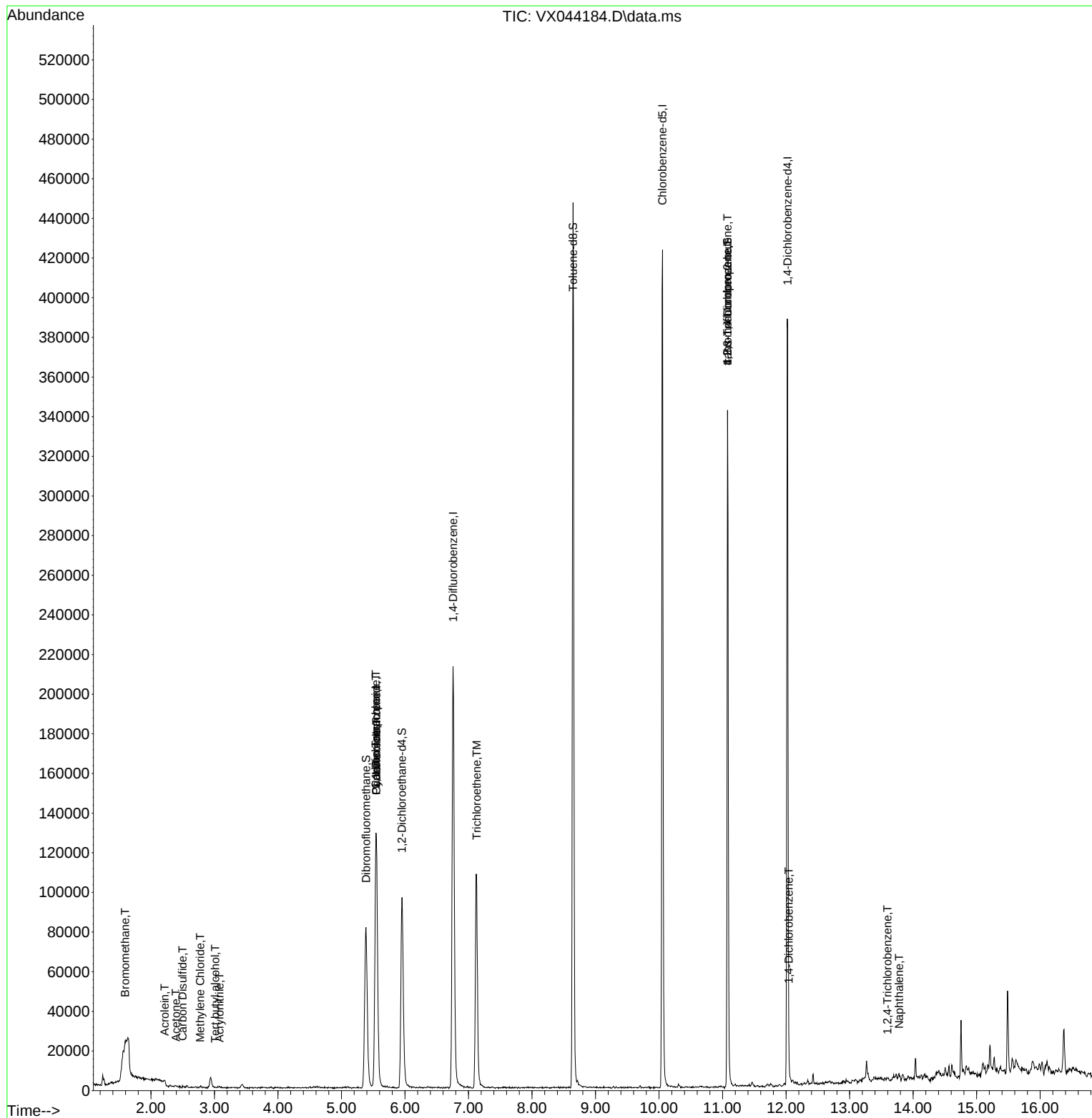
Internal Standards						
1) Pentafluorobenzene	5.550	168	112878	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	210478	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	181858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77195	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95608	49.383	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.760%		
35) Dibromofluoromethane	5.385	113	69486	46.202	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.400%		
50) Toluene-d8	8.647	98	257854	49.737	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.480%		
62) 4-Bromofluorobenzene	11.079	95	87194	49.419	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.840%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	356	0.362	ug/l #	73
11) Tert butyl alcohol	3.014	59	98	0.315	ug/l #	73
13) Acrolein	2.215	56	90	0.275	ug/l #	1
15) Acrylonitrile	3.081	53	185	0.244	ug/l	91
16) Acetone	2.392	43	803	0.903	ug/l	94
17) Carbon Disulfide	2.495	76	602	0.224	ug/l #	76
20) Methylene Chloride	2.776	84	307	0.203	ug/l #	64
31) Cyclohexane	5.550	56	3405	1.578	ug/l #	50
36) 1,1-Dichloropropene	5.544	75	11262	6.009	ug/l #	50
38) Carbon Tetrachloride	5.544	117	13389	6.358	ug/l #	18
44) Trichloroethene	7.129	130	40214	24.334	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	50429	29.789	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	50429	81.287	ug/l #	7
88) 1,4-Dichlorobenzene	12.042	146	696	0.265	ug/l #	26
93) 1,2,4-Trichlorobenzene	13.597	180	314	0.205	ug/l #	65
95) Naphthalene	13.780	128	2887	0.523	ug/l #	78

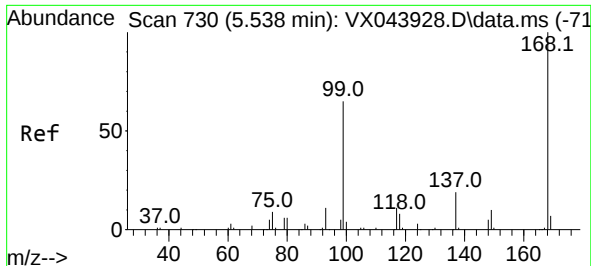
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
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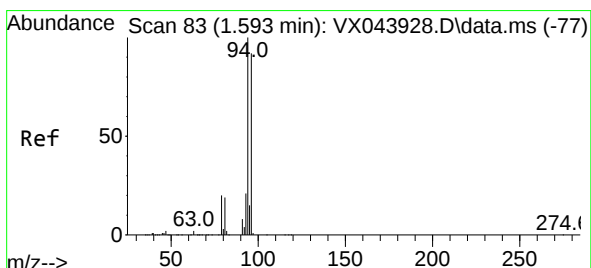
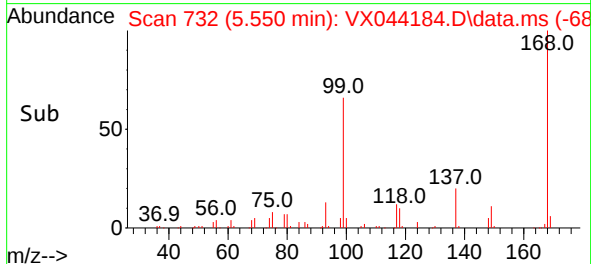
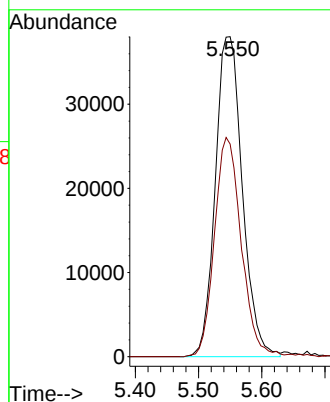
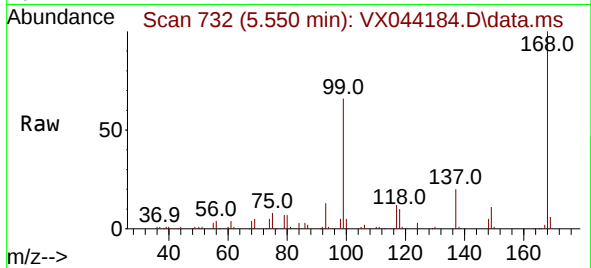




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX044184.D
Acq: 09 Dec 2024 13:43

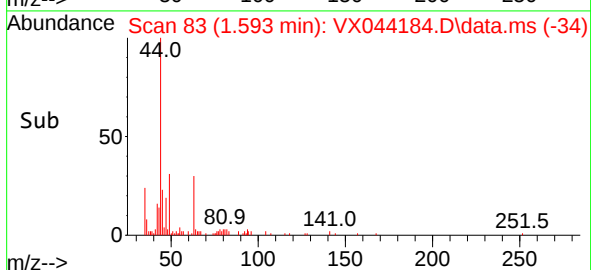
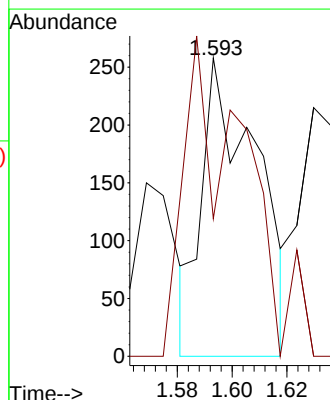
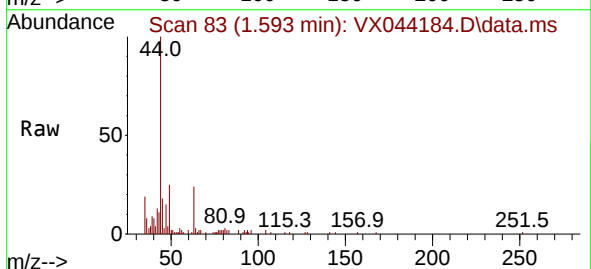
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

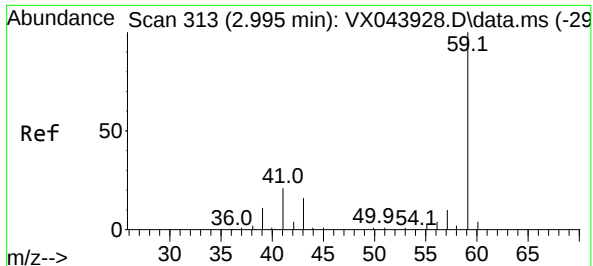
Tgt Ion:168 Resp: 112878
Ion Ratio Lower Upper
168 100
99 66.4 51.8 77.8



#5
Bromomethane
Concen: 0.362 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044184.D
Acq: 09 Dec 2024 13:43

Tgt Ion: 94 Resp: 356
Ion Ratio Lower Upper
94 100
96 66.1 73.9 110.9#





#11

Tert butyl alcohol

Concen: 0.315 ug/l

RT: 3.014 min Scan# 31

Delta R.T. 0.018 min

Lab File: VX044184.D

Acq: 09 Dec 2024 13:43

Instrument :

MSVOA_X

ClientSampleId :

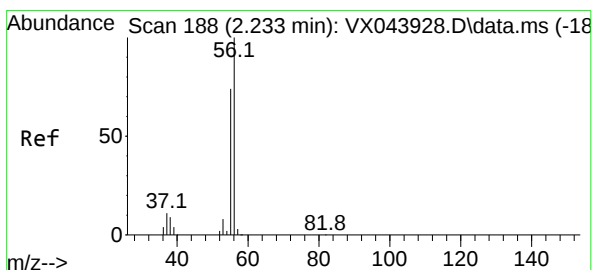
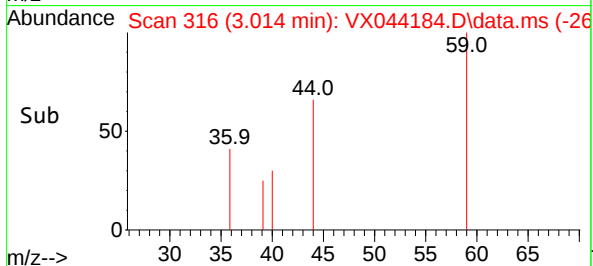
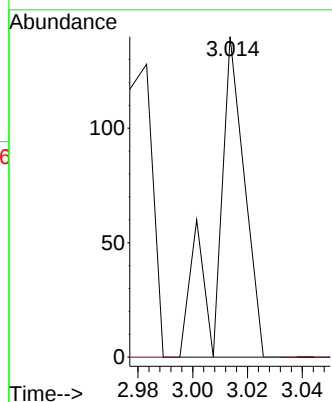
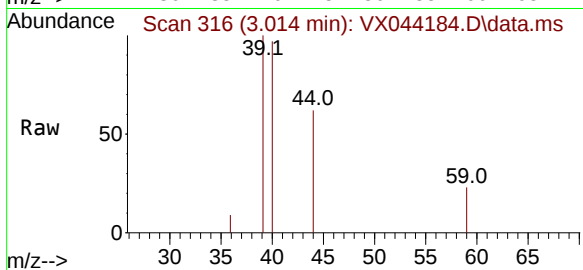
RE108D2-20241206

Tgt Ion: 59 Resp: 98

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



#13

Acrolein

Concen: 0.275 ug/l

RT: 2.215 min Scan# 185

Delta R.T. -0.018 min

Lab File: VX044184.D

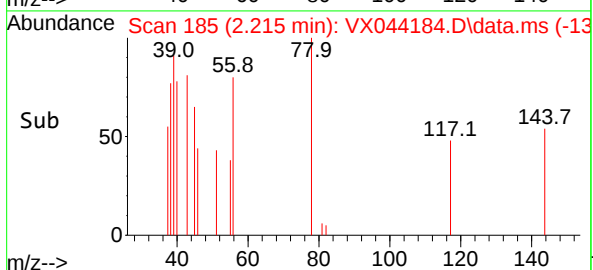
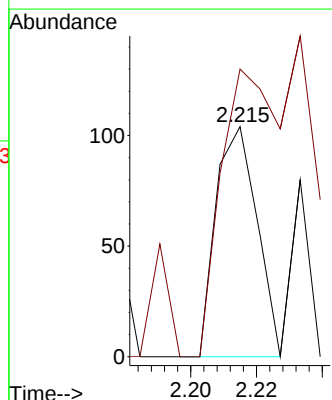
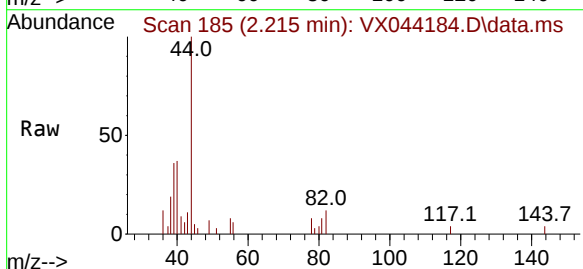
Acq: 09 Dec 2024 13:43

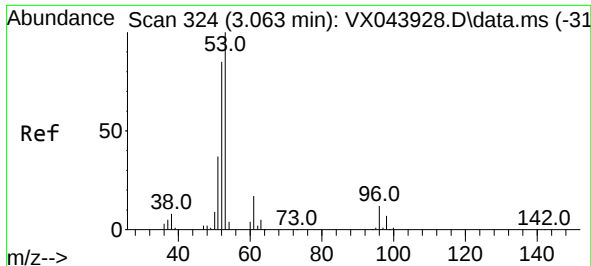
Tgt Ion: 56 Resp: 90

Ion Ratio Lower Upper

56 100

55 318.9 58.2 87.2#





#15

Acrylonitrile

Concen: 0.244 ug/l

RT: 3.081 min Scan# 31

Delta R.T. 0.018 min

Lab File: VX044184.D

Acq: 09 Dec 2024 13:43

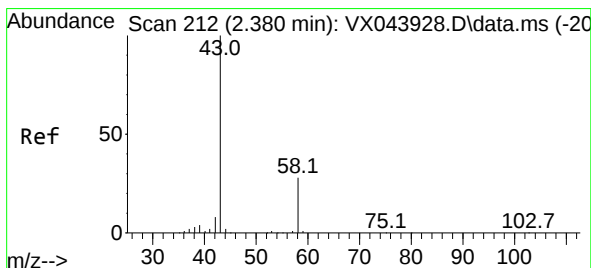
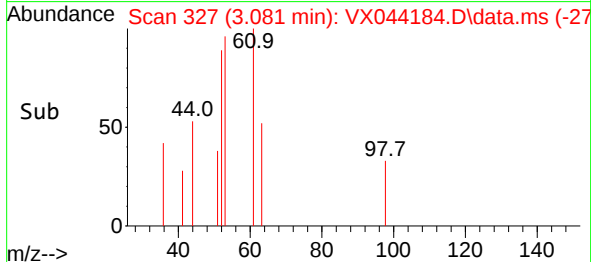
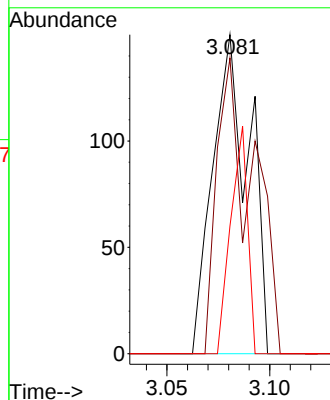
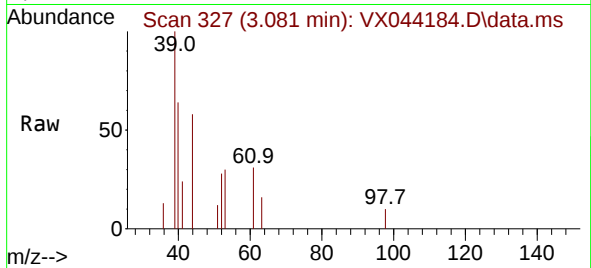
Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20241206

Tgt Ion: 53	Resp:	185
Ion	Ratio	Lower Upper
53	100	
52	91.4	66.5 99.7
51	33.0	30.2 45.4



#16

Acetone

Concen: 0.903 ug/l

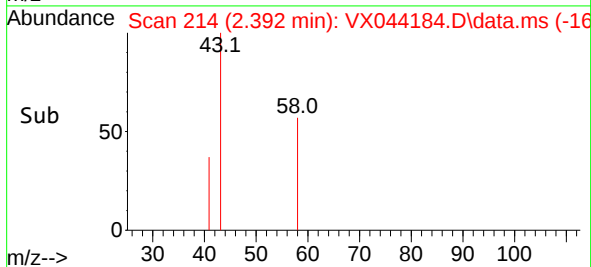
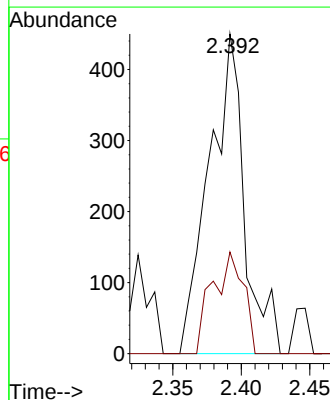
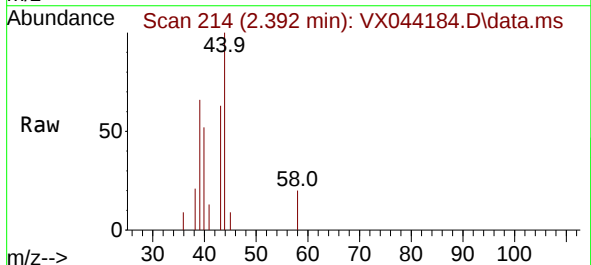
RT: 2.392 min Scan# 214

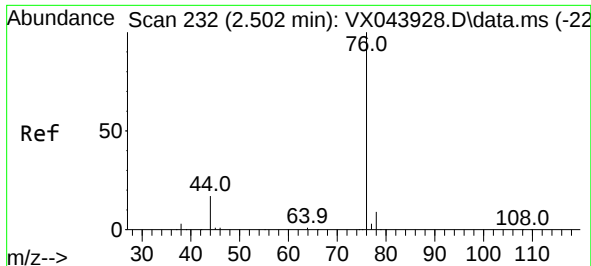
Delta R.T. 0.012 min

Lab File: VX044184.D

Acq: 09 Dec 2024 13:43

Tgt Ion: 43	Resp:	803
Ion	Ratio	Lower Upper
43	100	
58	31.8	22.7 34.1





#17

Carbon Disulfide

Concen: 0.224 ug/l

RT: 2.495 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX044184.D

Acq: 09 Dec 2024 13:43

Instrument :

MSVOA_X

ClientSampleId :

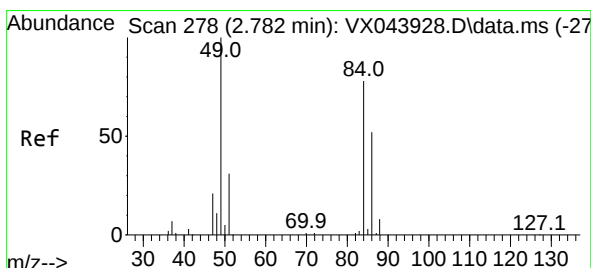
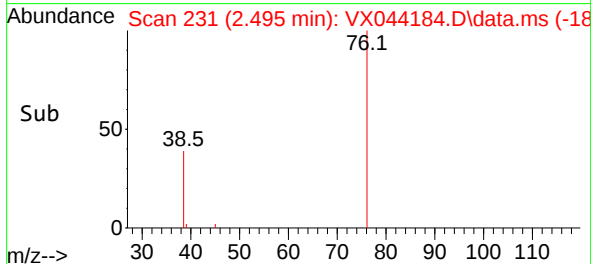
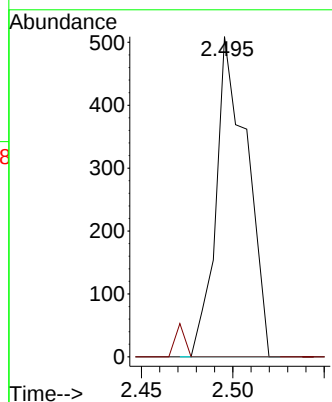
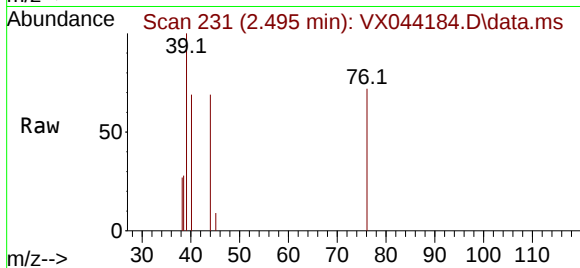
RE108D2-20241206

Tgt Ion: 76 Resp: 602

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: 0.203 ug/l

RT: 2.776 min Scan# 277

Delta R.T. -0.006 min

Lab File: VX044184.D

Acq: 09 Dec 2024 13:43

Tgt Ion: 84 Resp: 307

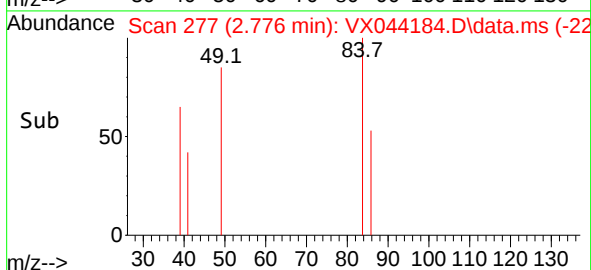
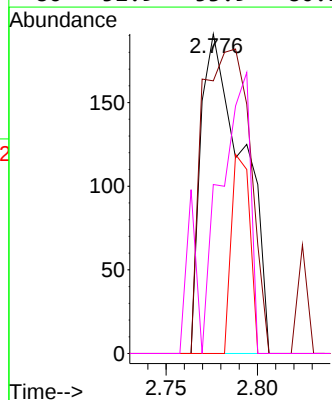
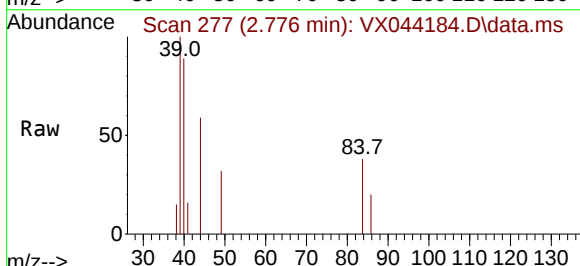
Ion Ratio Lower Upper

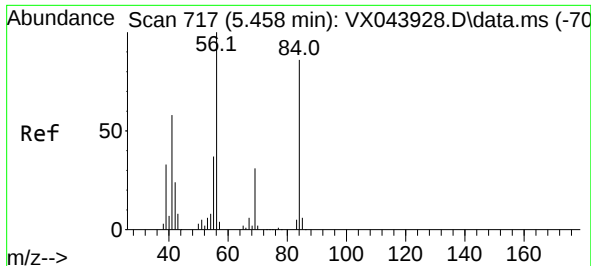
84 100

49 85.3 102.7 154.1#

51 0.0 31.7 47.5#

86 52.9 53.9 80.9#

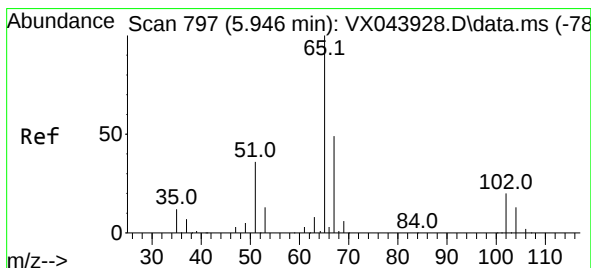
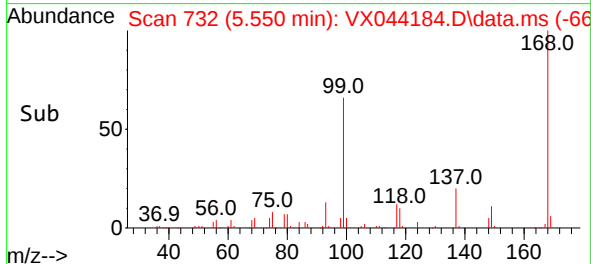
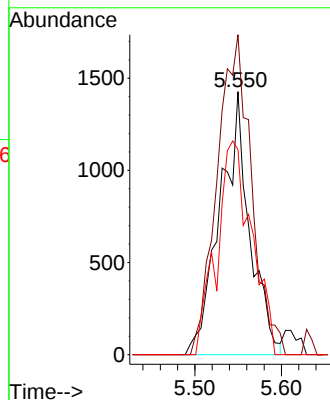
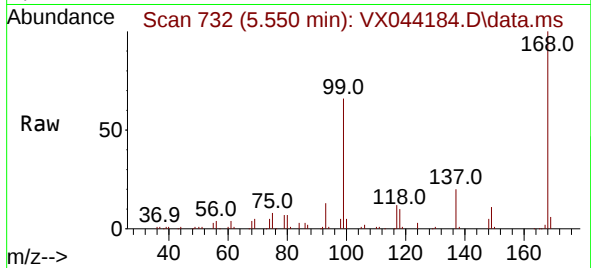




#31
Cyclohexane
Concen: 1.578 ug/l
RT: 5.550 min Scan# 717
Delta R.T. 0.091 min
Lab File: VX044184.D
Acq: 09 Dec 2024 13:43

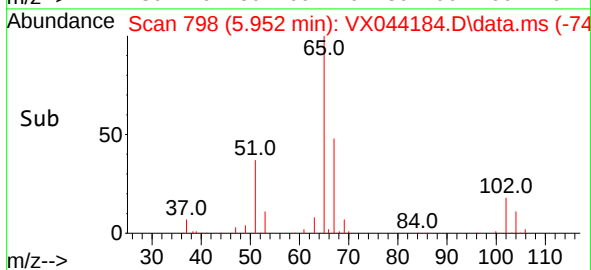
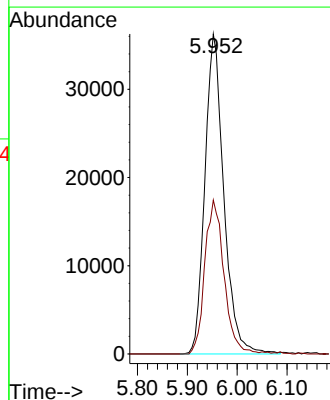
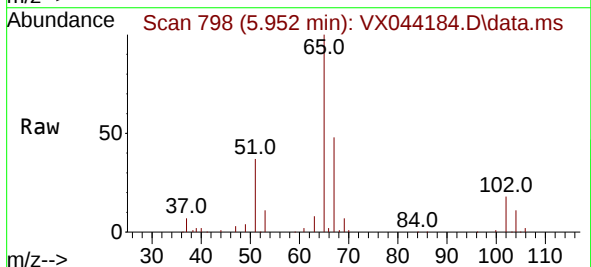
Instrument :
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RE108D2-20241206

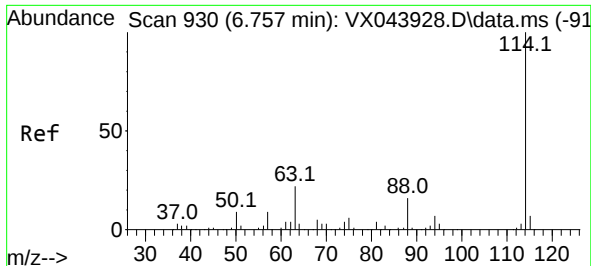
Tgt Ion: 56 Resp: 3405
Ion Ratio Lower Upper
56 100
69 121.7 24.7 37.1#
84 78.1 68.7 103.1



#33
1,2-Dichloroethane-d4
Concen: 49.383 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044184.D
Acq: 09 Dec 2024 13:43

Tgt Ion: 65 Resp: 95608
Ion Ratio Lower Upper
65 100
67 48.6 0.0 100.8

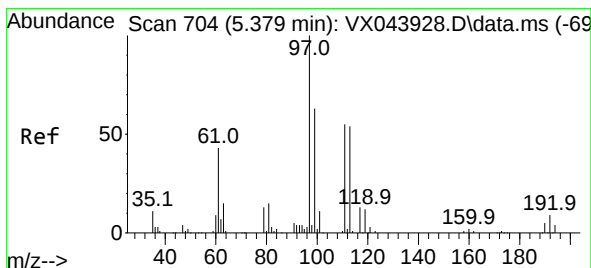
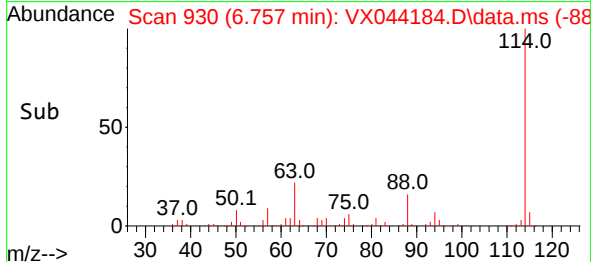
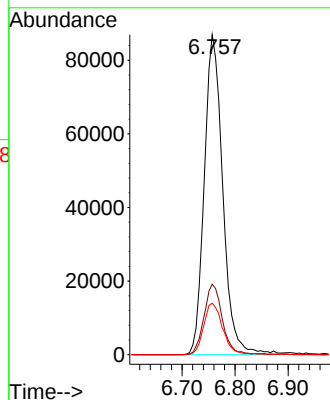
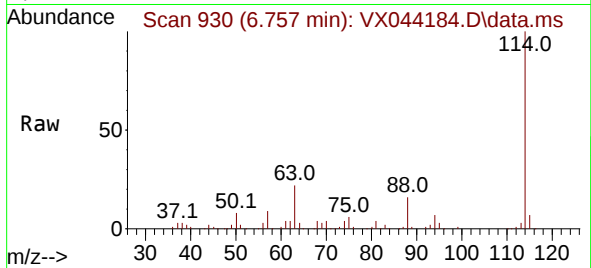




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044184.D
Acq: 09 Dec 2024 13:43

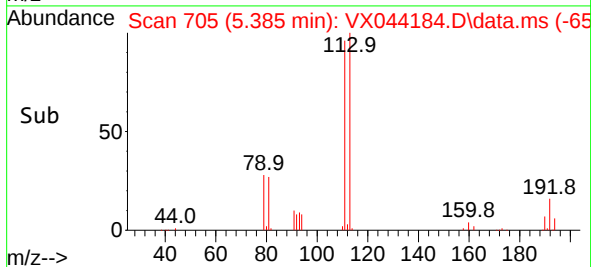
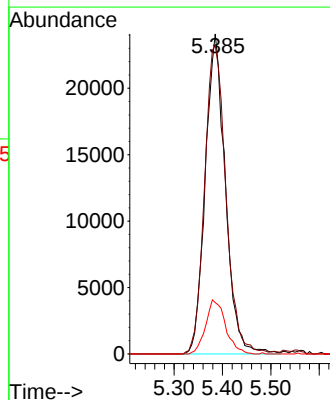
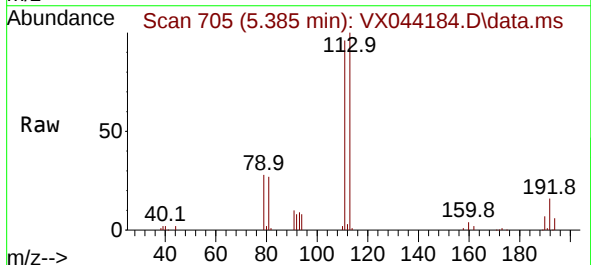
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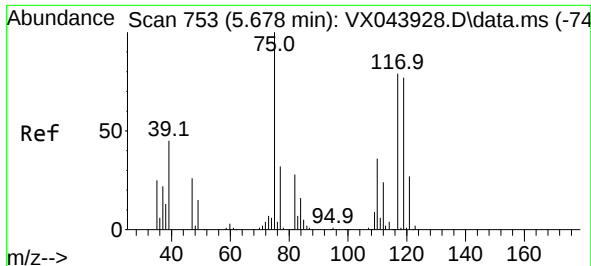
Tgt Ion:114 Resp: 210478
Ion Ratio Lower Upper
114 100
63 22.0 0.0 44.0
88 16.1 0.0 32.4



#35
Dibromofluoromethane
Concen: 46.202 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX044184.D
Acq: 09 Dec 2024 13:43

Tgt Ion:113 Resp: 69486
Ion Ratio Lower Upper
113 100
111 102.3 81.0 121.4
192 16.8 13.0 19.6

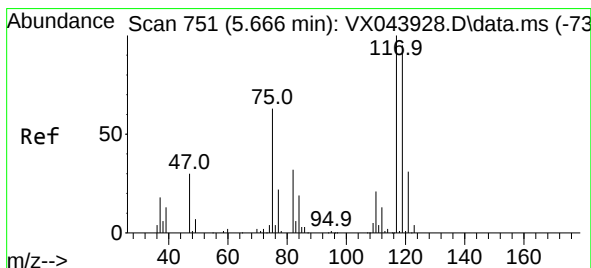
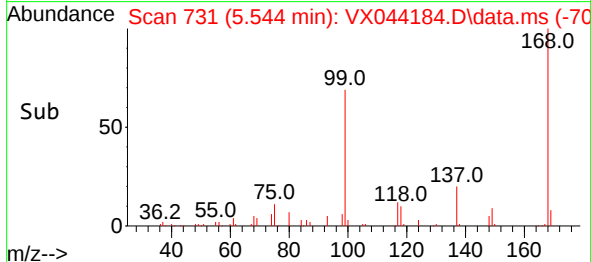
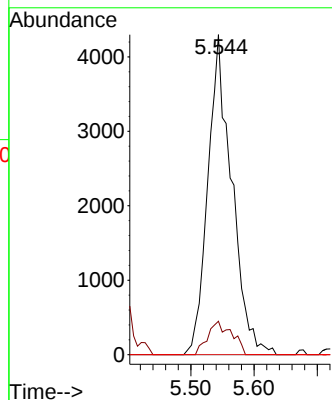
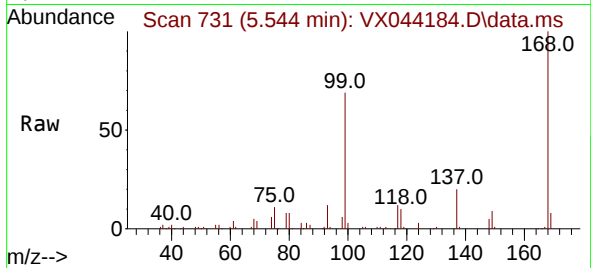




#36
1,1-Dichloropropene
Concen: 6.009 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX044184.D
Acq: 09 Dec 2024 13:43

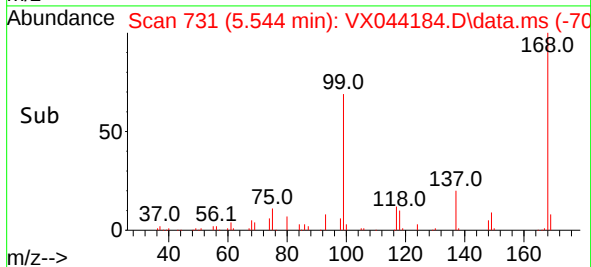
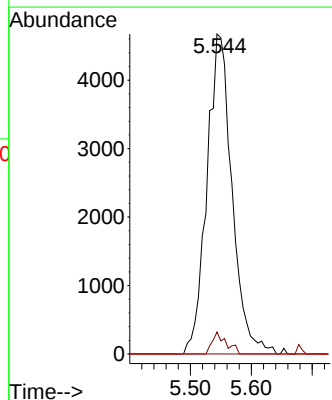
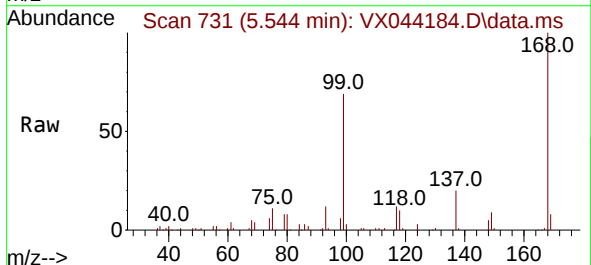
Instrument :
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RE108D2-20241206

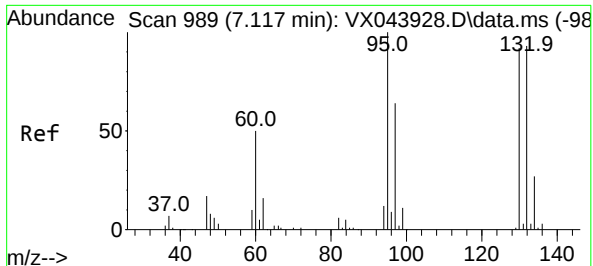
Tgt Ion: 75 Resp: 11262
Ion Ratio Lower Upper
75 100
110 10.5 17.4 52.2#
77 0.0 25.8 38.8#



#38
Carbon Tetrachloride
Concen: 6.358 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.122 min
Lab File: VX044184.D
Acq: 09 Dec 2024 13:43

Tgt Ion: 117 Resp: 13389
Ion Ratio Lower Upper
117 100
119 6.8 75.2 112.8#
121 0.0 24.5 36.7#

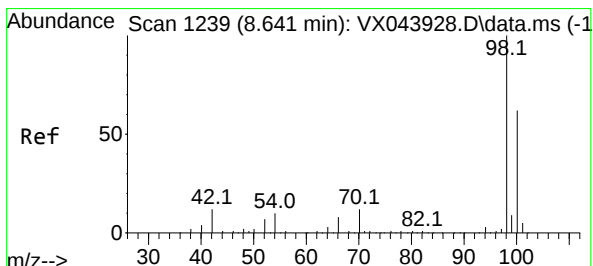
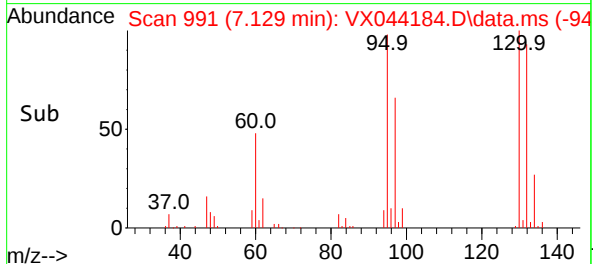
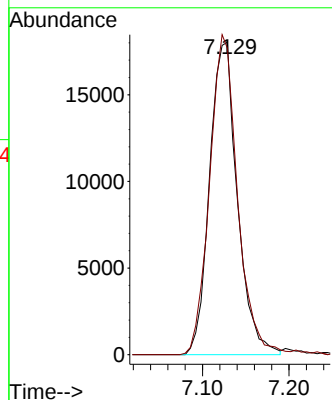
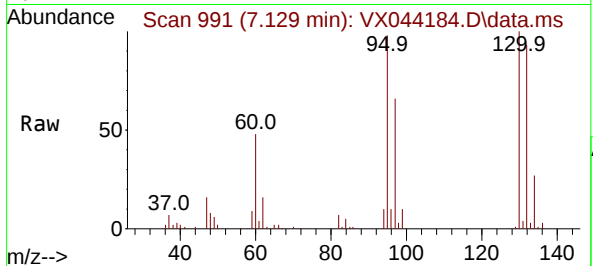




#44
Trichloroethene
Concen: 24.334 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX044184.D
Acq: 09 Dec 2024 13:43

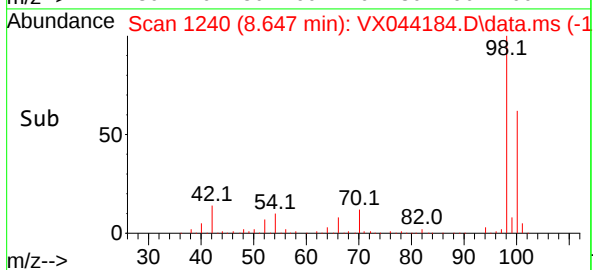
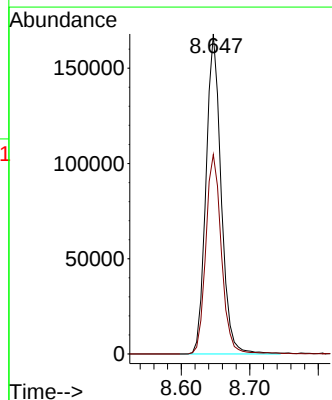
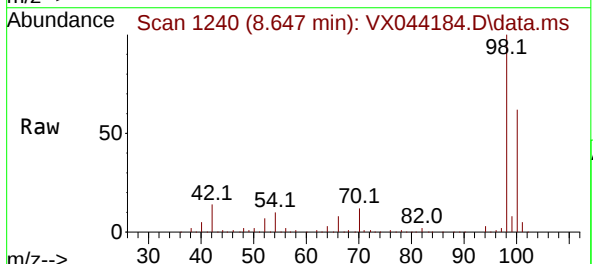
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

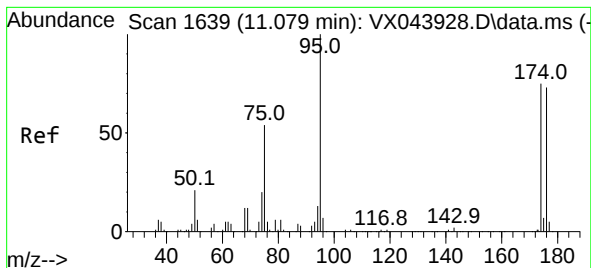
Tgt Ion:130 Resp: 40214
Ion Ratio Lower Upper
130 100
95 98.0 0.0 217.8



#50
Toluene-d8
Concen: 49.737 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044184.D
Acq: 09 Dec 2024 13:43

Tgt Ion: 98 Resp: 257854
Ion Ratio Lower Upper
98 100
100 64.4 52.6 79.0

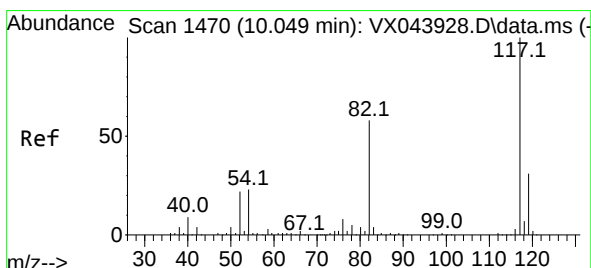
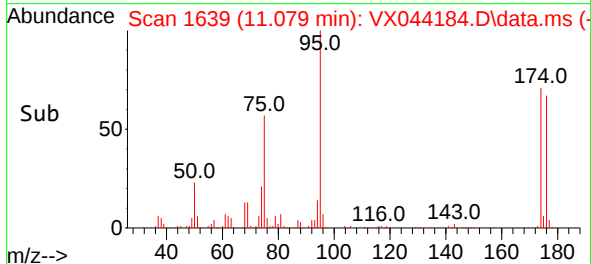
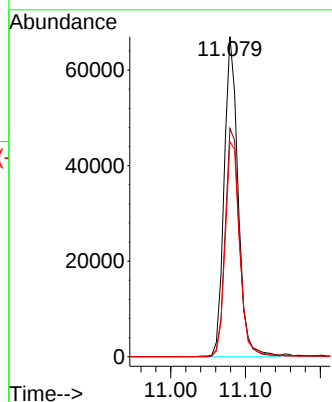
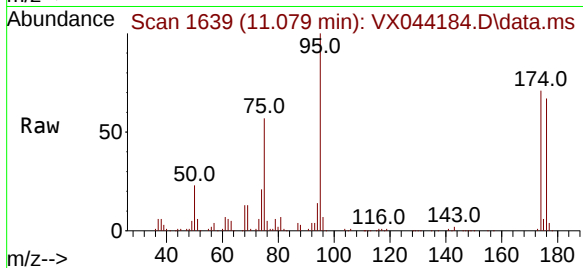




#62
4-Bromofluorobenzene
Concen: 49.419 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044184.D
Acq: 09 Dec 2024 13:43

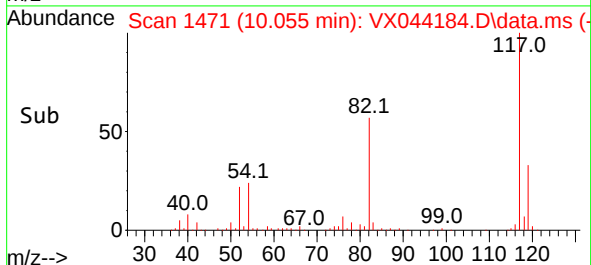
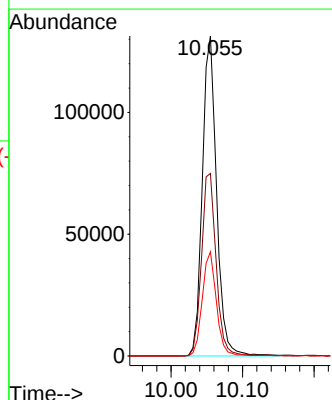
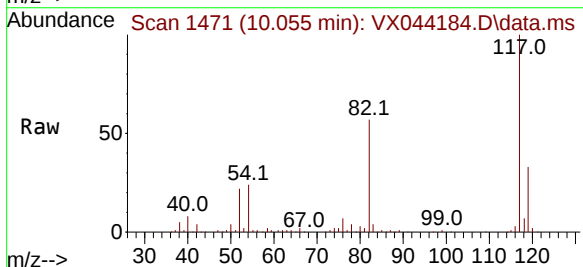
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

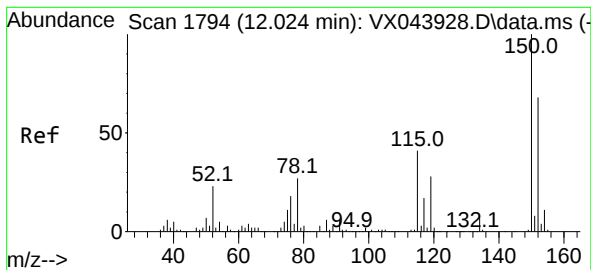
Tgt Ion: 95 Resp: 87194
Ion Ratio Lower Upper
95 100
174 73.3 0.0 150.4
176 70.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044184.D
Acq: 09 Dec 2024 13:43

Tgt Ion: 117 Resp: 181858
Ion Ratio Lower Upper
117 100
82 57.0 46.4 69.6
119 32.6 24.6 37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044184.D

Acq: 09 Dec 2024 13:43

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20241206

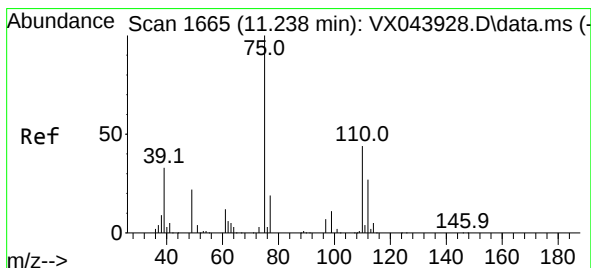
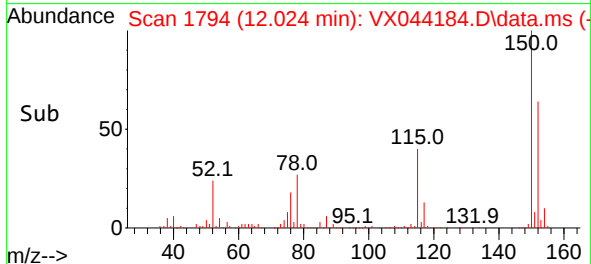
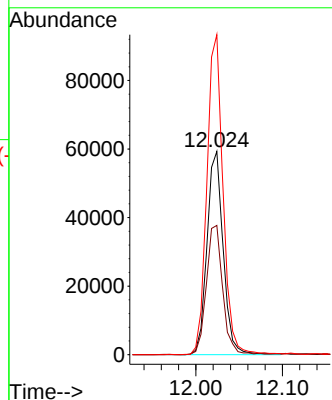
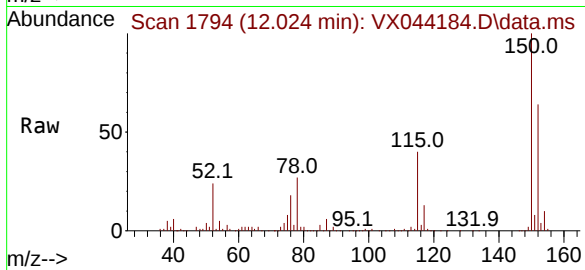
Tgt Ion:152 Resp: 77195

Ion Ratio Lower Upper

152 100

115 64.1 45.4 136.2

150 156.6 0.0 353.0



#76

1,2,3-Trichloropropane

Concen: 29.789 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044184.D

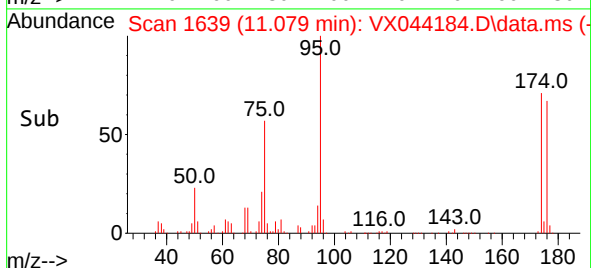
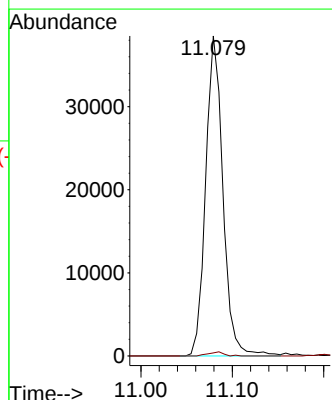
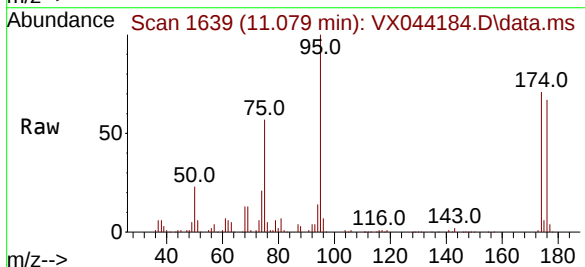
Acq: 09 Dec 2024 13:43

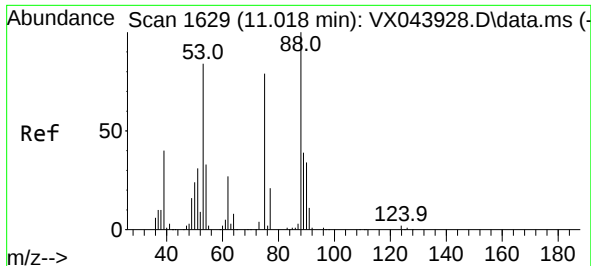
Tgt Ion: 75 Resp: 50429

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.3#

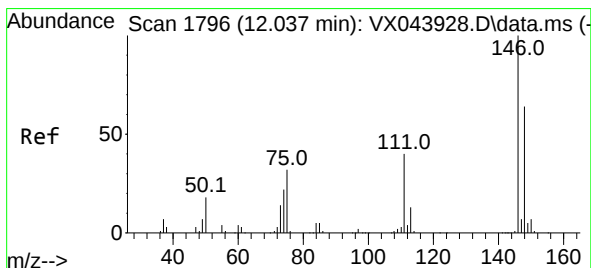
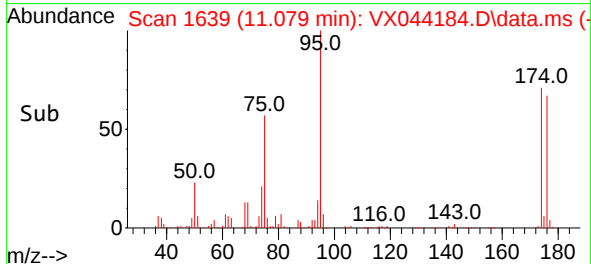
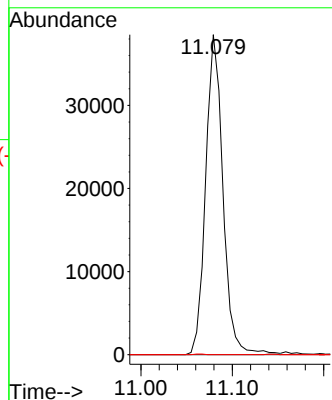
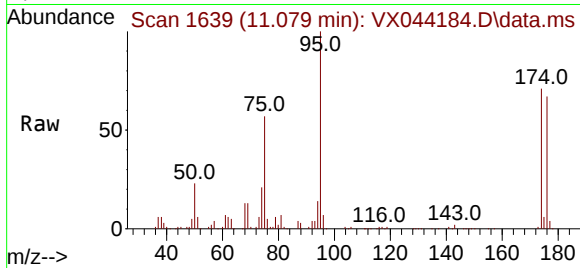




#81
trans-1,4-Dichloro-2-butene
Concen: 81.287 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX044184.D
Acq: 09 Dec 2024 13:43

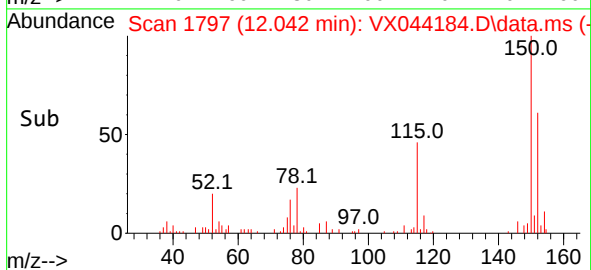
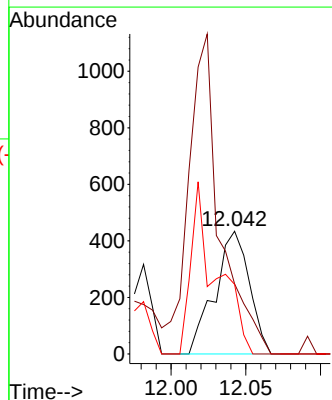
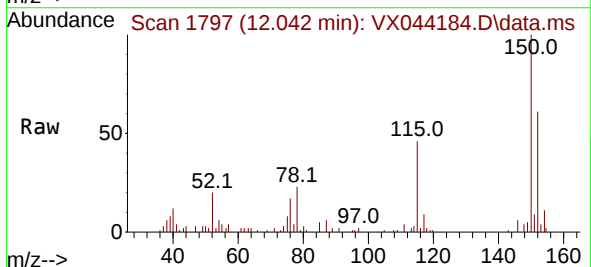
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

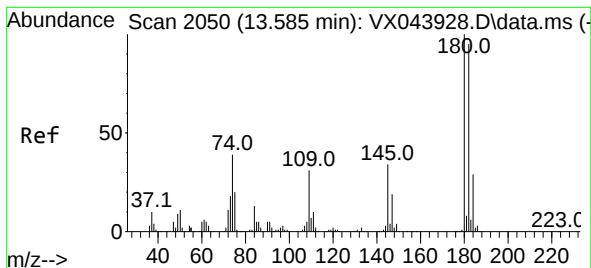
Tgt Ion: 75 Resp: 50429
Ion Ratio Lower Upper
75 100
53 0.0 86.7 130.1#
89 0.1 38.2 57.2#



#88
1,4-Dichlorobenzene
Concen: 0.265 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX044184.D
Acq: 09 Dec 2024 13:43

Tgt Ion:146 Resp: 696
Ion Ratio Lower Upper
146 100
111 0.0 20.1 60.3#
148 0.0 30.9 92.8#

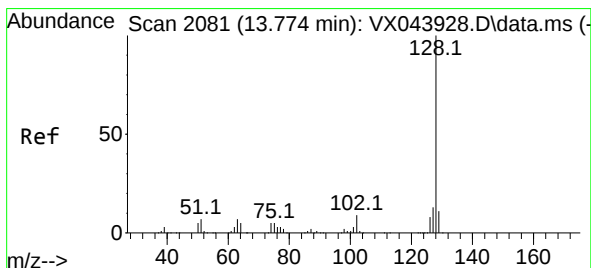
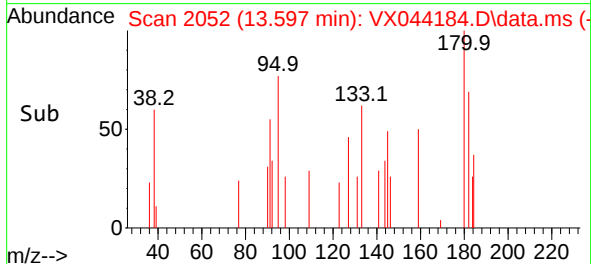
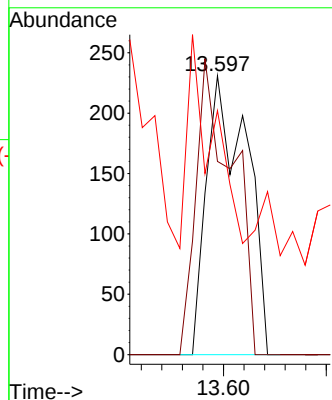
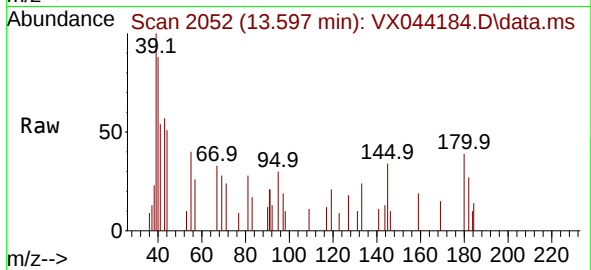




#93
1,2,4-Trichlorobenzene
Concen: 0.205 ug/l
RT: 13.597 min Scan# 2050
Delta R.T. 0.012 min
Lab File: VX044184.D
Acq: 09 Dec 2024 13:43

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

Tgt Ion:180 Resp: 314
Ion Ratio Lower Upper
180 100
182 95.9 48.0 144.2
145 111.1 16.8 50.4#



#95
Naphthalene
Concen: 0.523 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX044184.D
Acq: 09 Dec 2024 13:43

Tgt Ion:128 Resp: 2887
Ion Ratio Lower Upper
128 100
127 8.3 10.2 15.2#
129 23.5 8.6 12.8#

