

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
 Data File : VX045280.D
 Acq On : 13 Mar 2025 19:25
 Operator : JC/MD
 Sample : Q1559-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-RE137-20250311

Quant Time: Mar 14 12:30:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

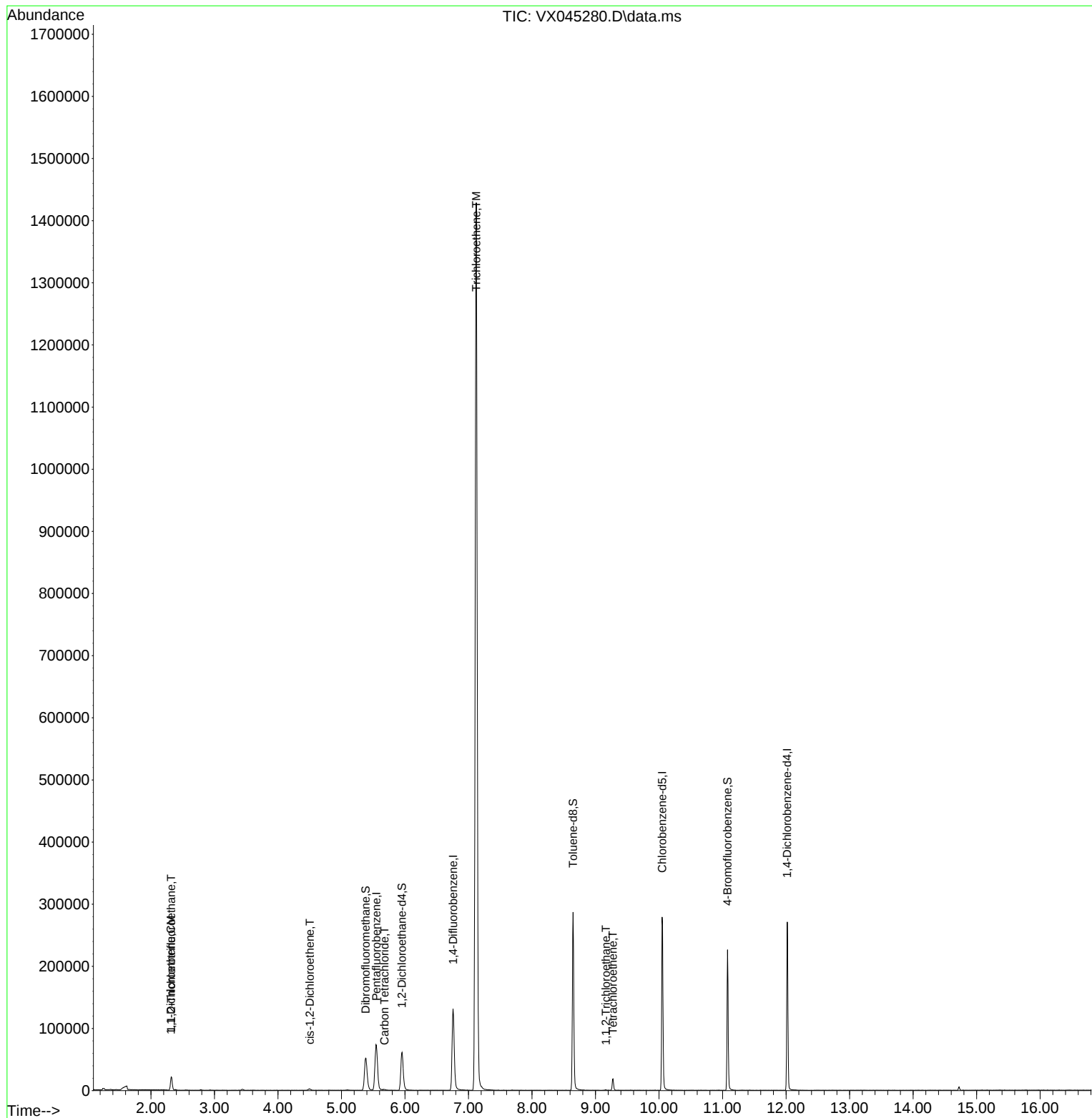
Internal Standards						
1) Pentafluorobenzene	5.550	168	65951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131523	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59358	56.583	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.160%
35) Dibromofluoromethane	5.379	113	46845	53.266	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.540%
50) Toluene-d8	8.647	98	161741	50.729	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.460%
62) 4-Bromofluorobenzene	11.079	95	56377	53.361	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.720%
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	7695	10.039	ug/l	98
12) 1,1-Dichloroethene	2.312	96	1066	1.315	ug/l #	78
27) cis-1,2-Dichloroethene	4.501	96	1213	1.227	ug/l	86
38) Carbon Tetrachloride	5.678	117	1051	0.858	ug/l #	67
44) Trichloroethene	7.123	130	516091	577.100	ug/l	97
55) 1,1,2-Trichloroethane	9.165	97	310	0.337	ug/l #	82
64) Tetrachloroethene	9.275	164	3291	4.289	ug/l	96

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

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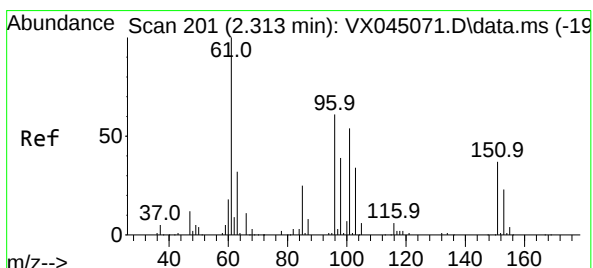
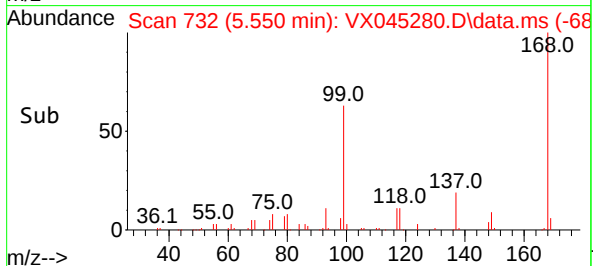
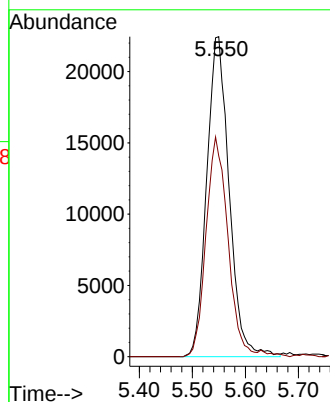
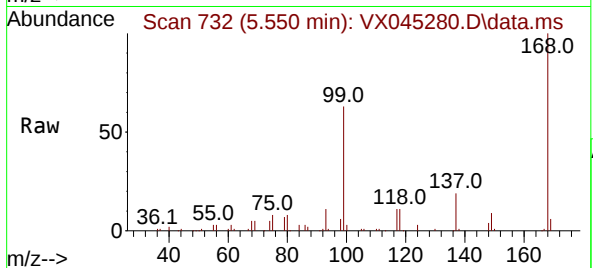




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

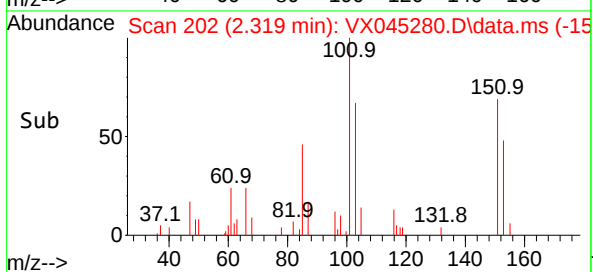
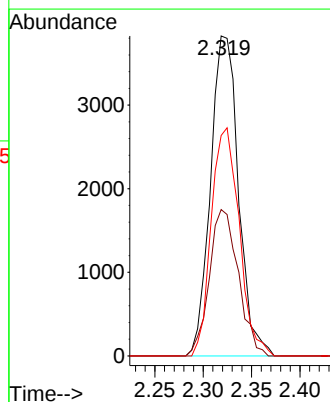
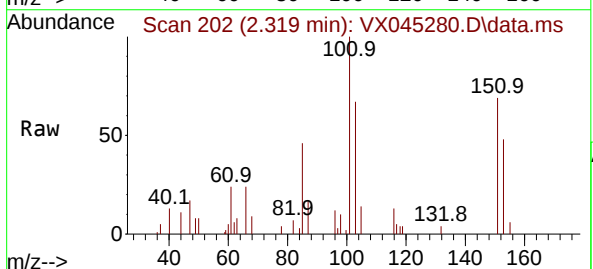
Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

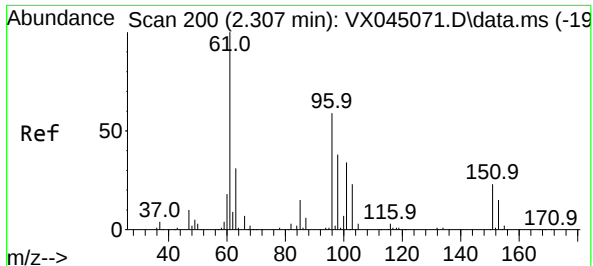
Tgt Ion:168 Resp: 65951
Ion Ratio Lower Upper
168 100
99 62.7 48.2 72.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.039 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Tgt Ion:101 Resp: 7695
Ion Ratio Lower Upper
101 100
85 47.4 36.2 54.4
151 71.4 56.4 84.6





#12

1,1-Dichloroethene

Concen: 1.315 ug/l

RT: 2.312 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX045280.D

Acq: 13 Mar 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

RW4-RE137-20250311

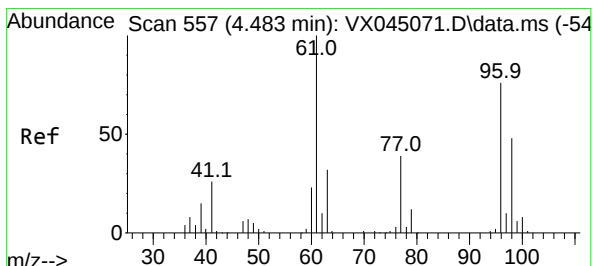
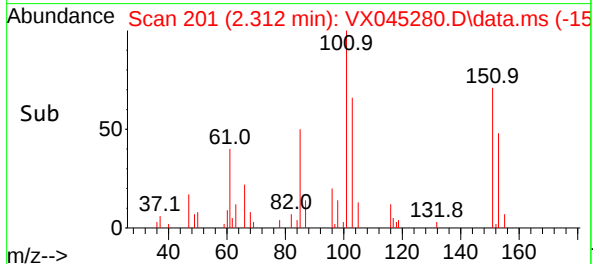
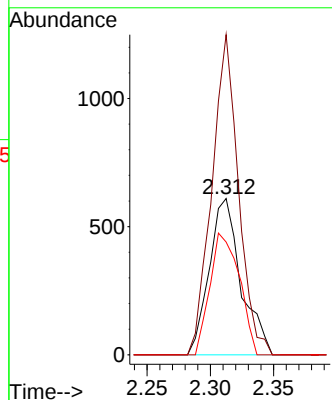
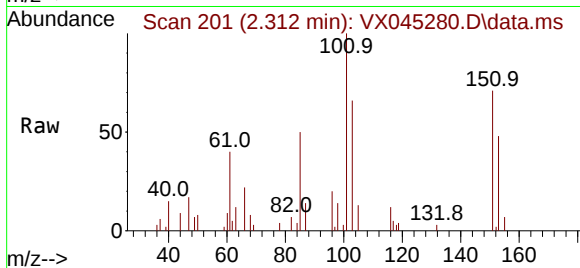
Tgt Ion: 96 Resp: 1066

Ion Ratio Lower Upper

96 100

61 204.8 134.6 202.0#

98 72.1 51.0 76.6



#27

cis-1,2-Dichloroethene

Concen: 1.227 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.018 min

Lab File: VX045280.D

Acq: 13 Mar 2025 19:25

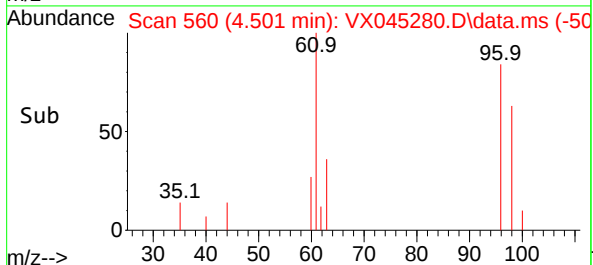
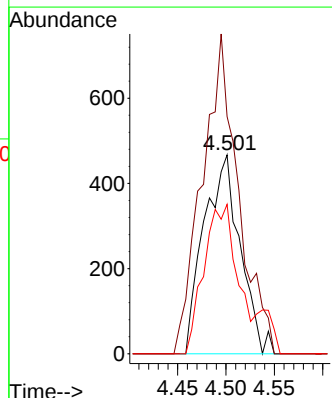
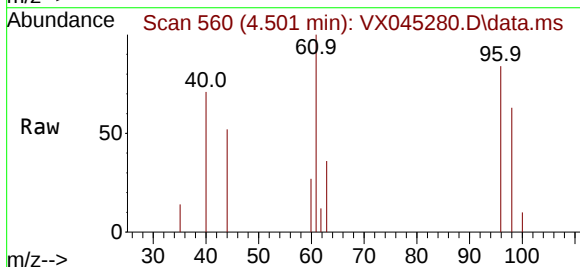
Tgt Ion: 96 Resp: 1213

Ion Ratio Lower Upper

96 100

61 160.6 0.0 283.2

98 71.7 0.0 128.0





#33

1,2-Dichloroethane-d4

Concen: 56.583 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045280.D

Acq: 13 Mar 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

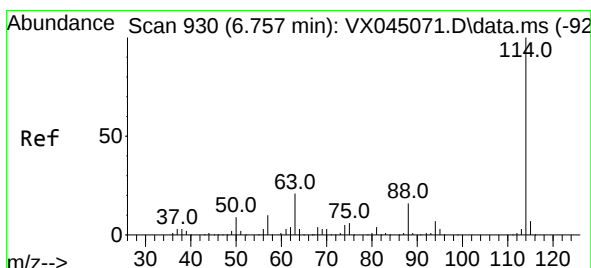
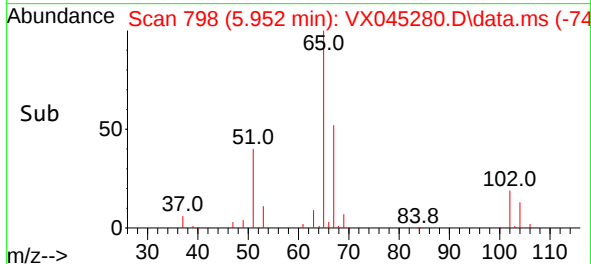
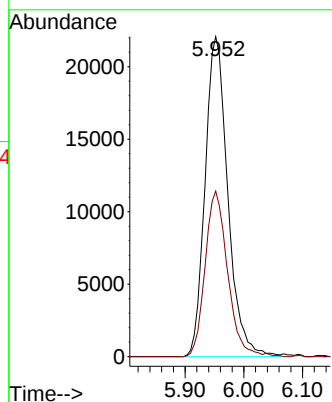
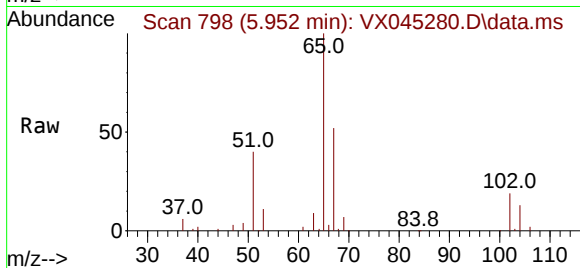
RW4-RE137-20250311

Tgt Ion: 65 Resp: 59358

Ion Ratio Lower Upper

65 100

67 51.2 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045280.D

Acq: 13 Mar 2025 19:25

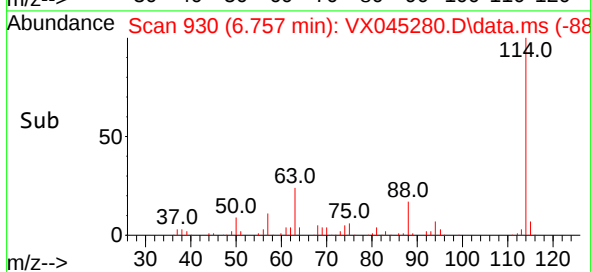
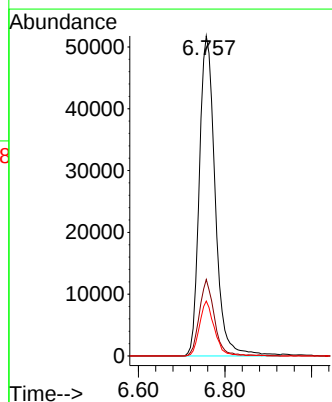
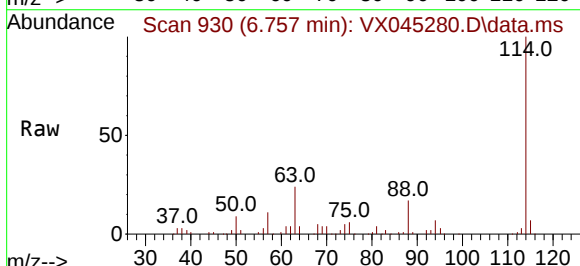
Tgt Ion: 114 Resp: 131523

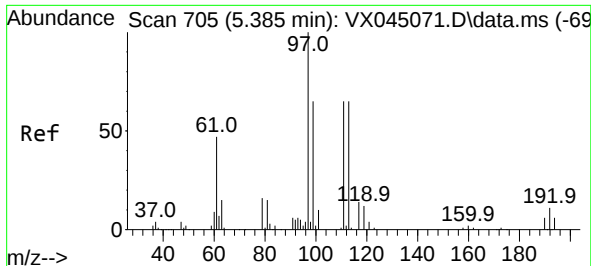
Ion Ratio Lower Upper

114 100

63 23.9 0.0 41.8

88 17.2 0.0 32.8

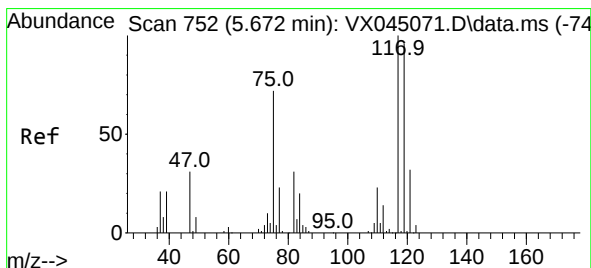
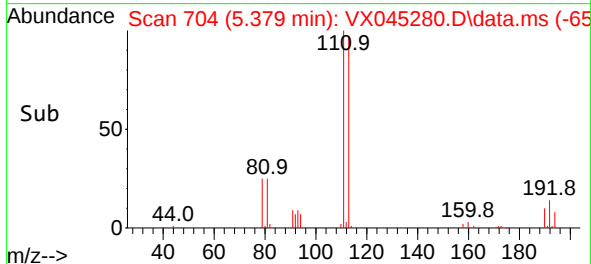
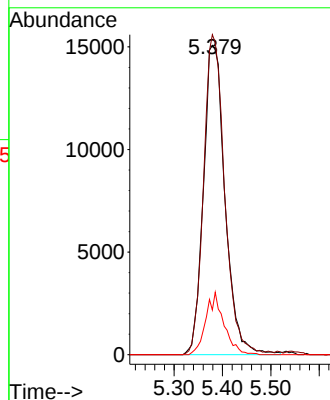
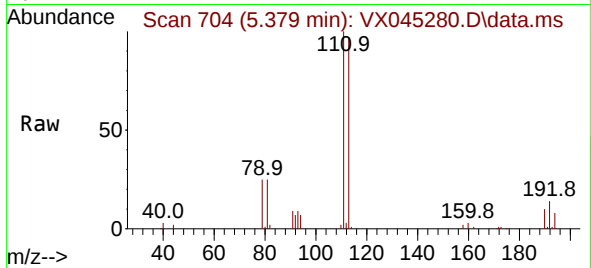




#35
Dibromofluoromethane
Concen: 53.266 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

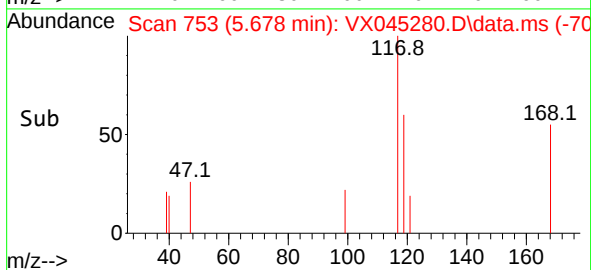
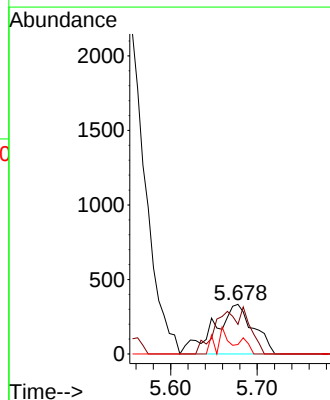
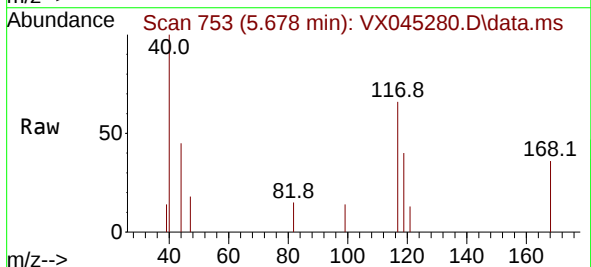
Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

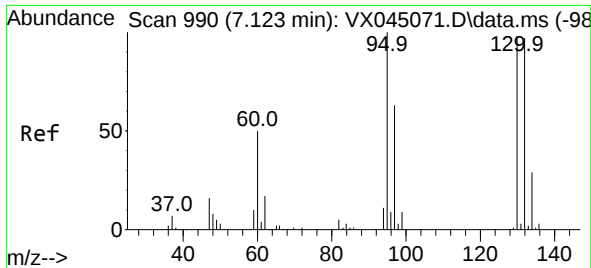
Tgt Ion:113 Resp: 46845
Ion Ratio Lower Upper
113 100
111 100.7 81.8 122.6
192 16.9 14.3 21.5



#38
Carbon Tetrachloride
Concen: 0.858 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Tgt Ion:117 Resp: 1051
Ion Ratio Lower Upper
117 100
119 59.8 76.7 115.1#
121 19.2 25.5 38.3#

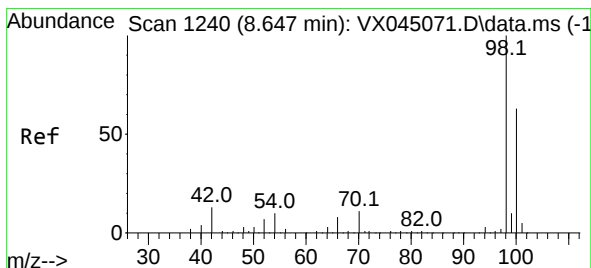
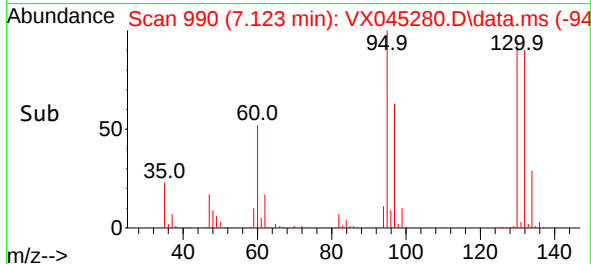
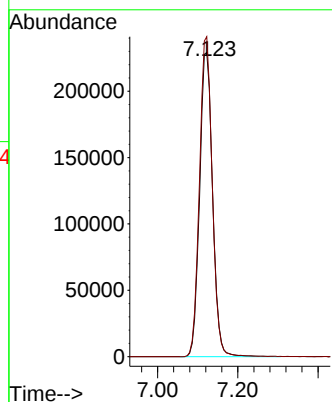
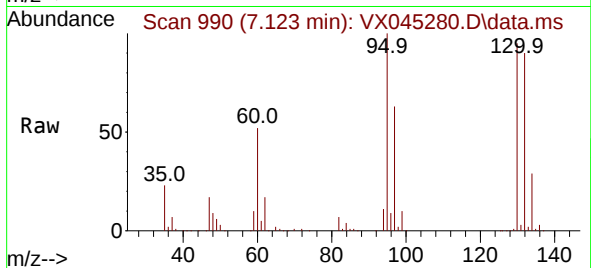




#44
Trichloroethene
Concen: 577.100 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

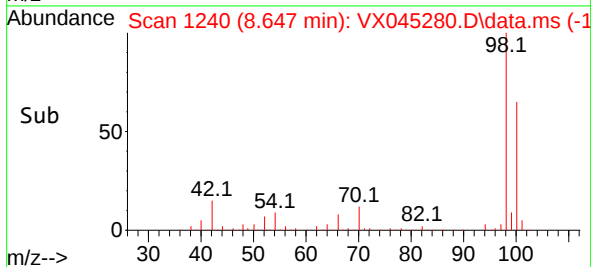
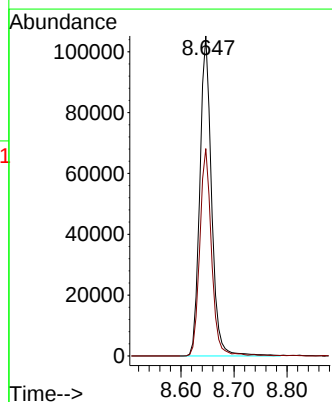
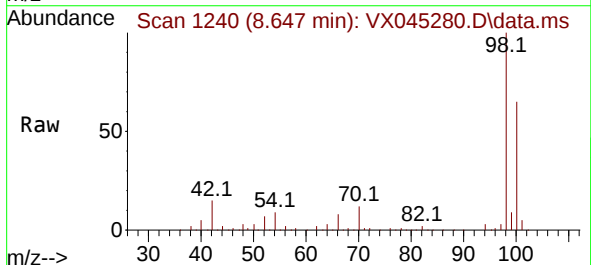
Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

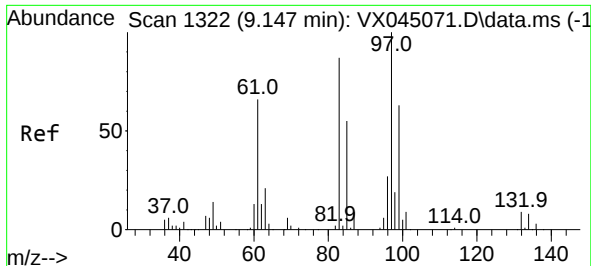
Tgt Ion:130 Resp: 516091
Ion Ratio Lower Upper
130 100
95 105.2 0.0 205.0



#50
Toluene-d8
Concen: 50.729 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Tgt Ion: 98 Resp: 161741
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0





#55

1,1,2-Trichloroethane

Concen: 0.337 ug/l

RT: 9.165 min Scan# 1

Delta R.T. 0.018 min

Lab File: VX045280.D

Acq: 13 Mar 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

RW4-RE137-20250311

Tgt Ion: 97 Resp: 310

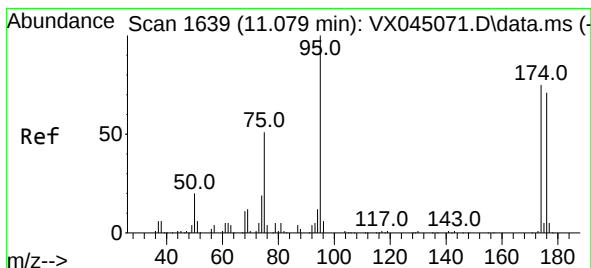
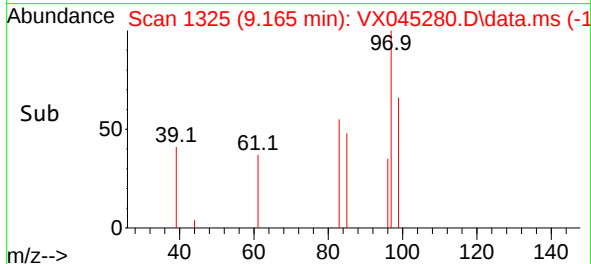
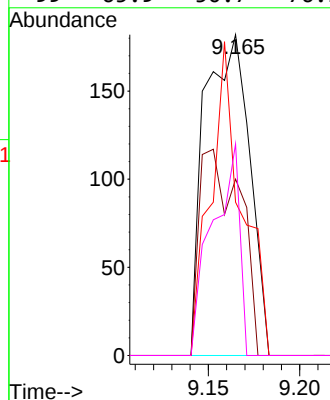
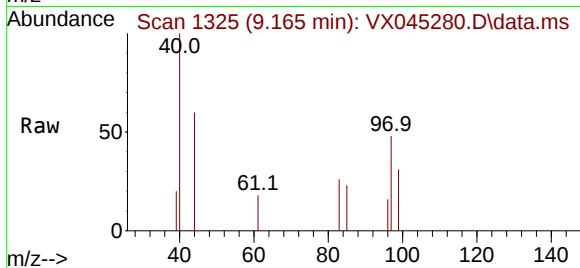
Ion Ratio Lower Upper

97 100

83 54.9 69.4 104.2#

85 47.8 44.1 66.1

99 65.9 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 53.361 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045280.D

Acq: 13 Mar 2025 19:25

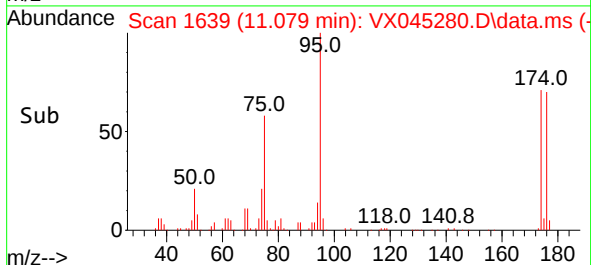
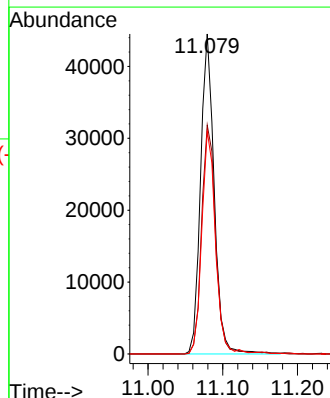
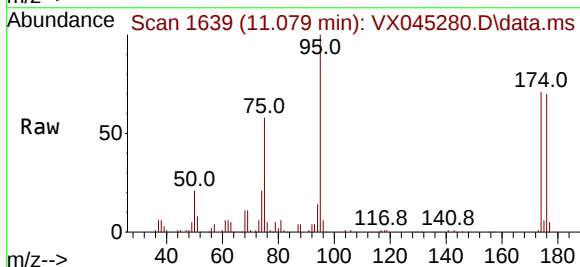
Tgt Ion: 95 Resp: 56377

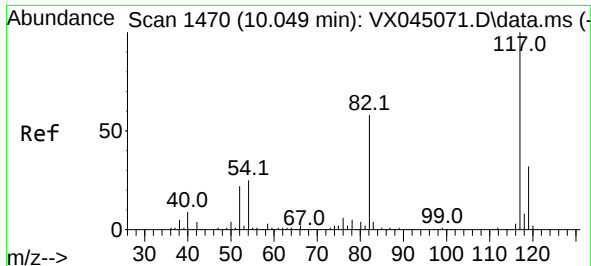
Ion Ratio Lower Upper

95 100

174 73.1 0.0 148.2

176 69.8 0.0 141.4

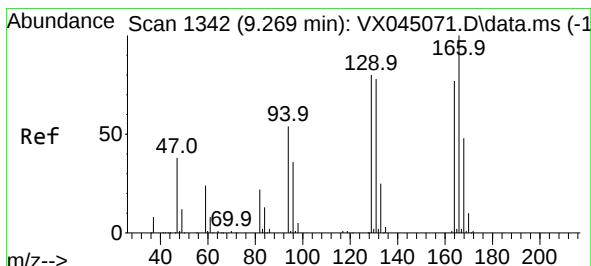
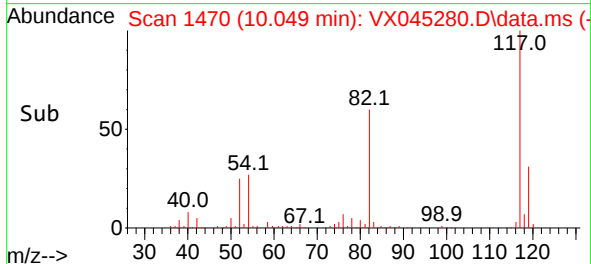
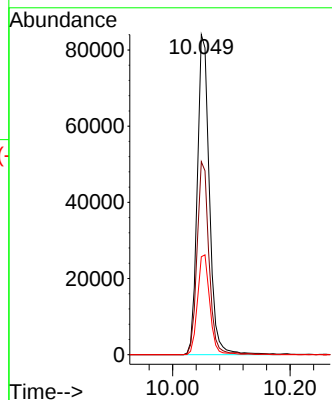
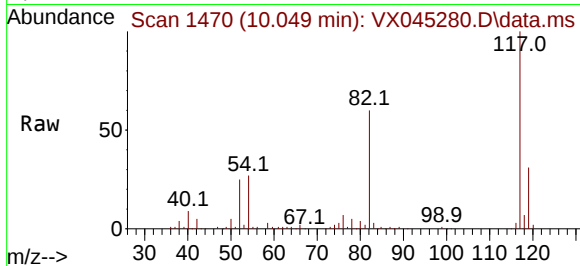




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

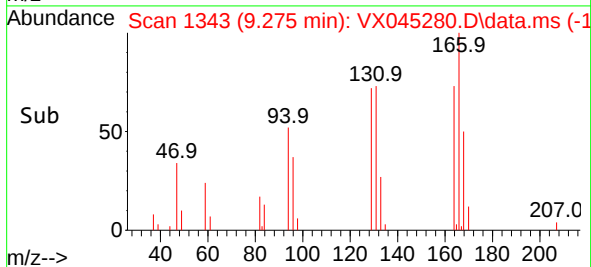
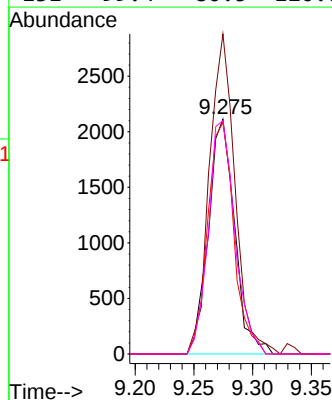
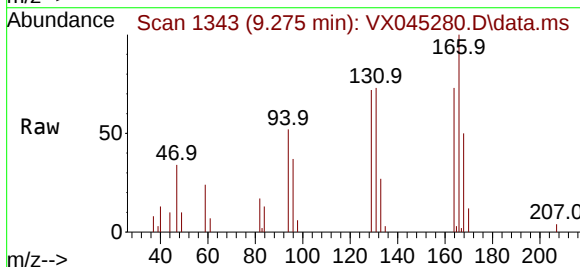
Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

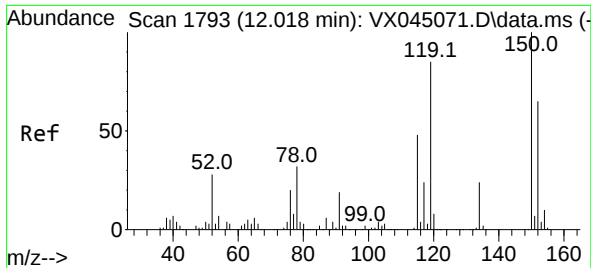
Tgt Ion:117 Resp: 119805
Ion Ratio Lower Upper
117 100
82 60.3 46.3 69.5
119 30.6 25.7 38.5



#64
Tetrachloroethene
Concen: 4.289 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

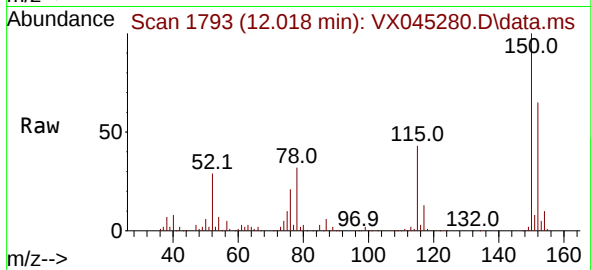
Tgt Ion:164 Resp: 3291
Ion Ratio Lower Upper
164 100
166 136.4 103.6 155.4
129 98.6 82.7 124.1
131 99.4 80.5 120.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045280.D
 Acq: 13 Mar 2025 19:25

Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-RE137-20250311



Tgt Ion:	152	Resp:	51347
Ion	Ratio	Lower	Upper
152	100		
115	63.1	44.2	132.6
150	159.8	0.0	349.0

