

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)

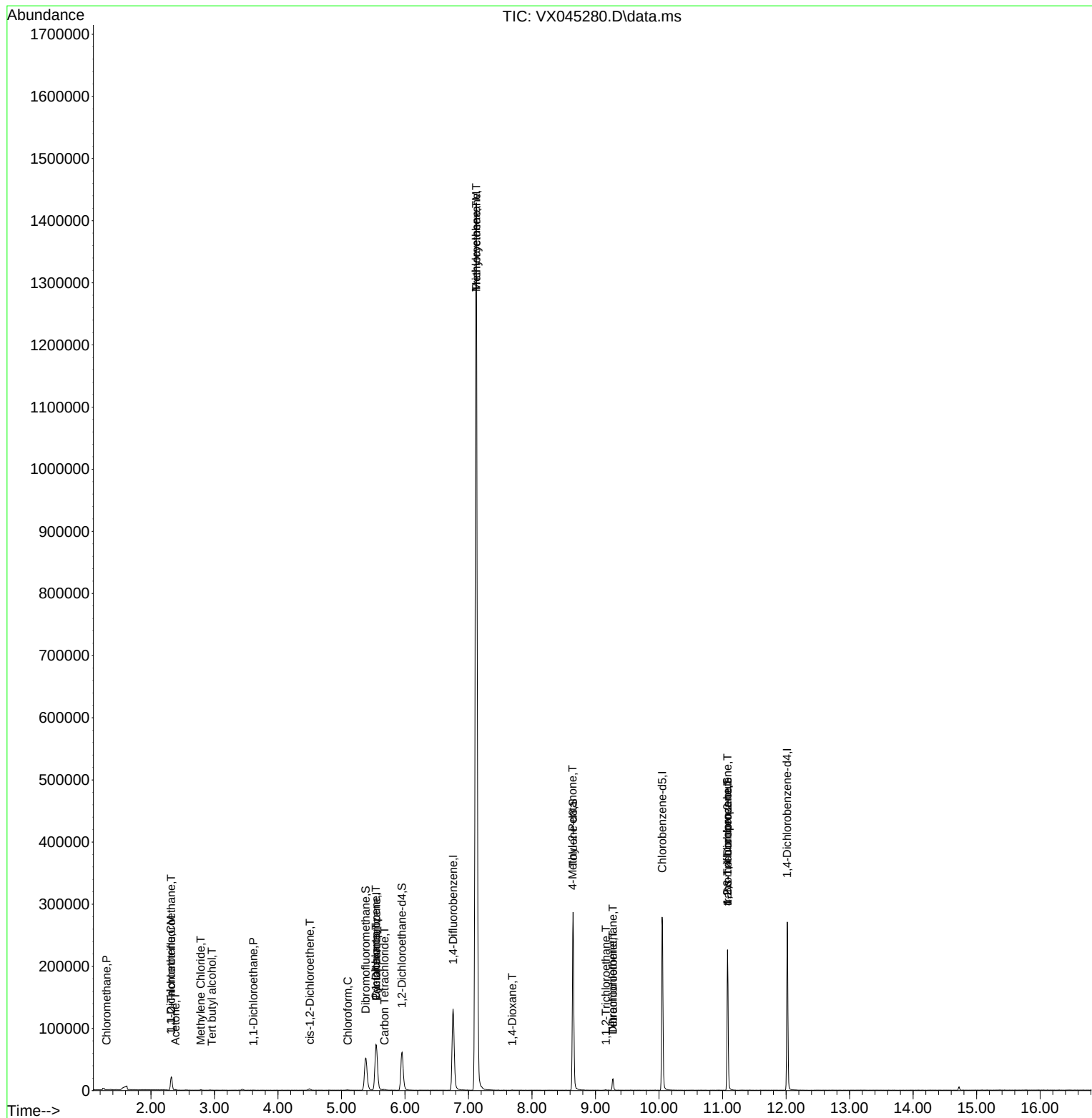
Internal Standards						
1) Pentafluorobenzene	5.550	168	65951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131523	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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
3) Chloromethane	1.300	50	285	0.281	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.319	101	7695	10.039	ug/l	98
11) Tert butyl alcohol	2.959	59	43	0.216	ug/l #	73
12) 1,1-Dichloroethene	2.312	96	1066	1.315	ug/l #	78
16) Acetone	2.386	43	881	1.810	ug/l	89
20) Methylene Chloride	2.782	84	408	0.423	ug/l #	62
24) 1,1-Dichloroethane	3.611	63	478	0.291	ug/l #	83
27) cis-1,2-Dichloroethene	4.501	96	1213	1.227	ug/l	86
30) Chloroform	5.099	83	833	0.510	ug/l #	68
31) Cyclohexane	5.544	56	1868	1.309	ug/l #	24
36) 1,1-Dichloropropene	5.544	75	6277	5.204	ug/l #	50
38) Carbon Tetrachloride	5.678	117	1051	0.858	ug/l #	67
39) Methylcyclohexane	7.123	83	7027	4.862	ug/l #	1
44) Trichloroethene	7.123	130	516091	577.100	ug/l	97
49) 1,4-Dioxane	7.690	88	323	13.281	ug/l #	67
51) 4-Methyl-2-Pentanone	8.641	43	816	0.529	ug/l #	1
55) 1,1,2-Trichloroethane	9.165	97	310	0.337	ug/l #	82
60) Dibromochloromethane	9.275	129	3229	3.357	ug/l #	11
64) Tetrachloroethene	9.275	164	3291	4.289	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	31796	26.605	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31796	91.048	ug/l #	6

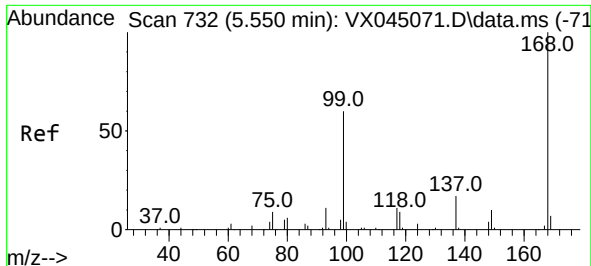
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

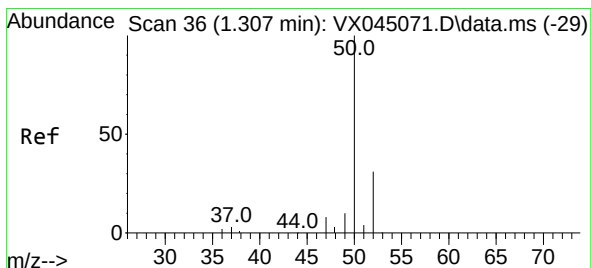
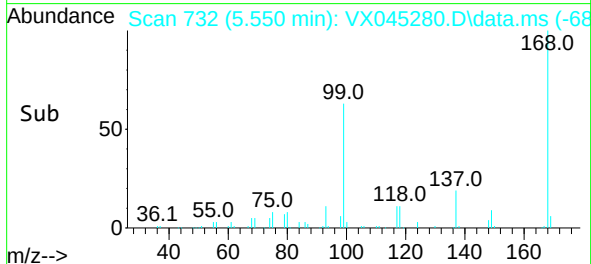
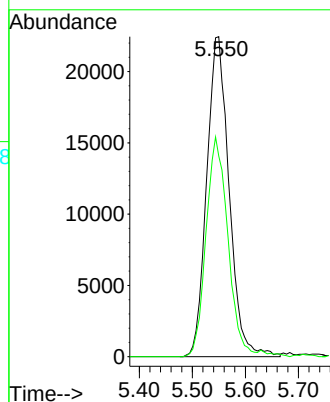
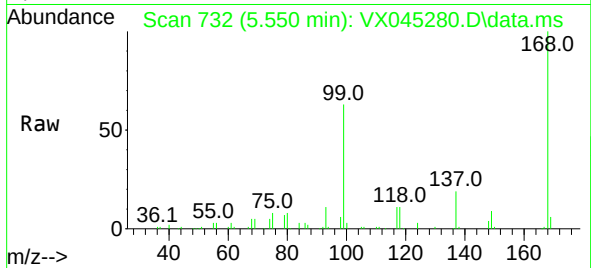




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

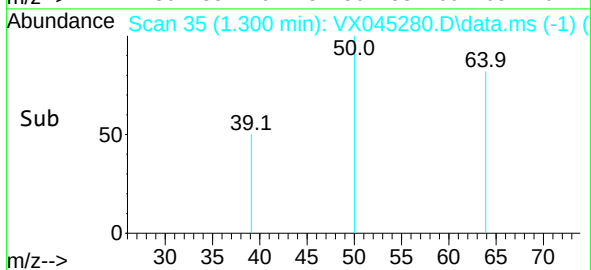
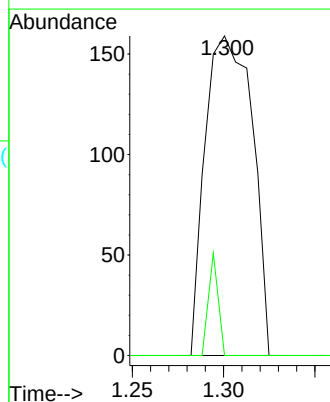
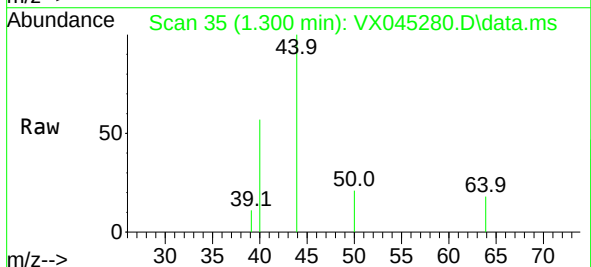
Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

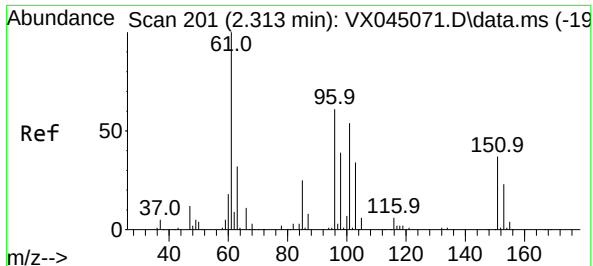
Tgt Ion:168 Resp: 65951
Ion Ratio Lower Upper
168 100
99 62.7 48.2 72.4



#3
Chloromethane
Concen: 0.281 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Tgt Ion: 50 Resp: 285
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

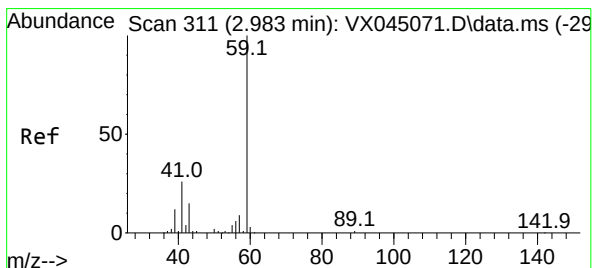
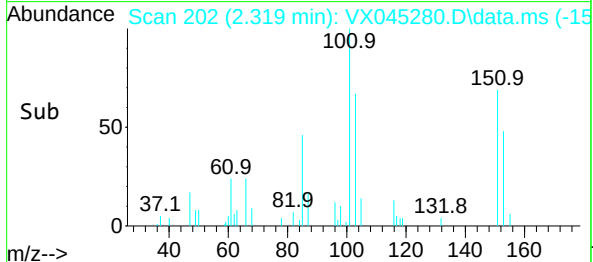
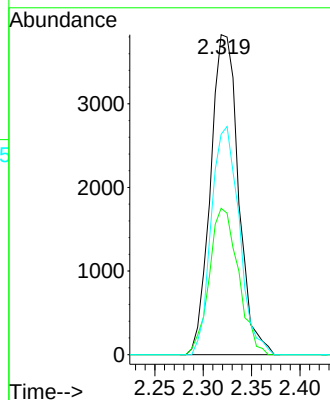
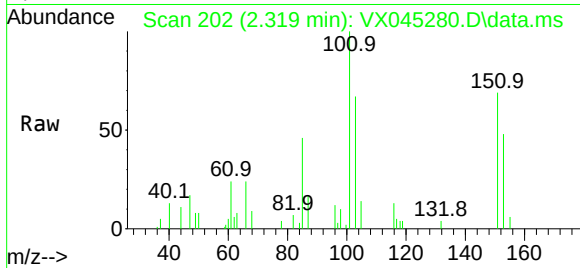




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.039 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

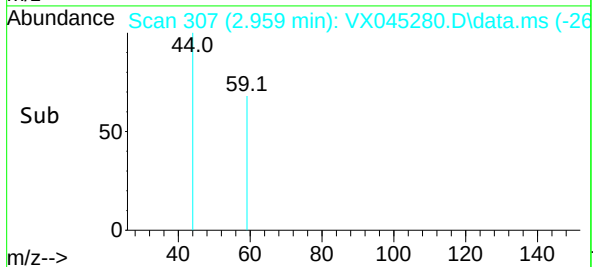
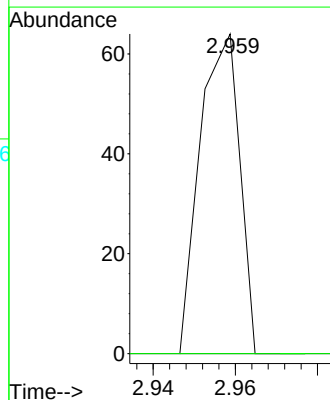
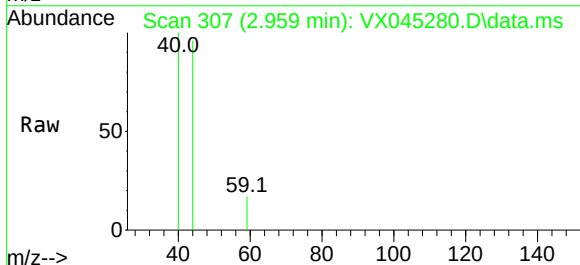
Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

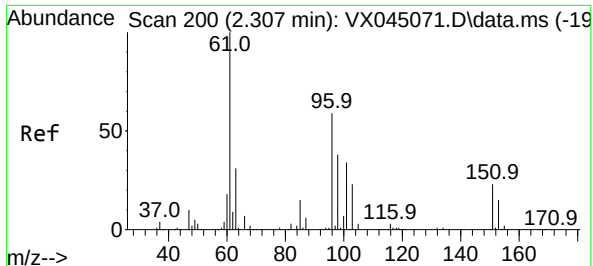
Tgt Ion:101 Resp: 7695
Ion Ratio Lower Upper
101 100
85 47.4 36.2 54.4
151 71.4 56.4 84.6



#11
Tert butyl alcohol
Concen: 0.216 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.025 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Tgt Ion: 59 Resp: 43
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

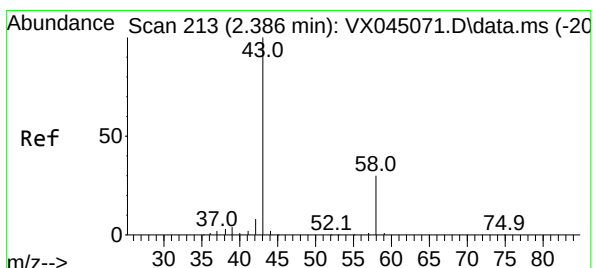
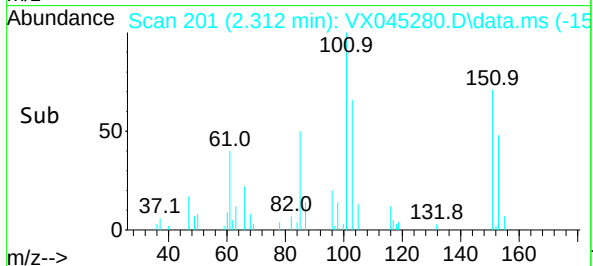
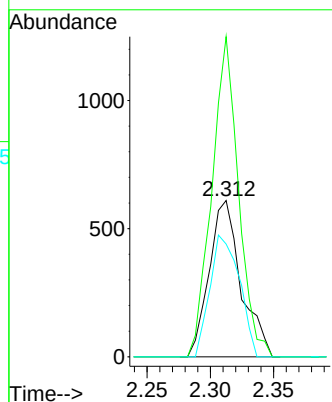
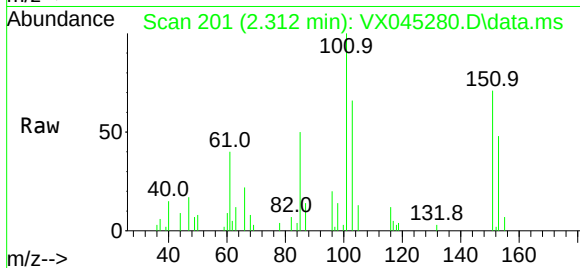




#12
1,1-Dichloroethene
Concen: 1.315 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

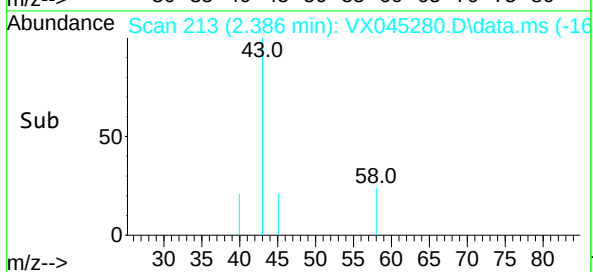
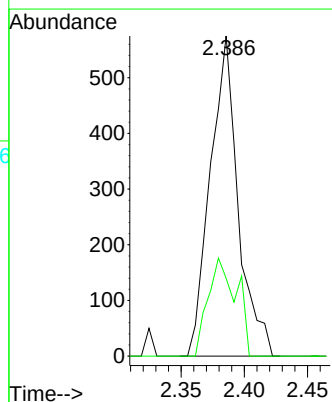
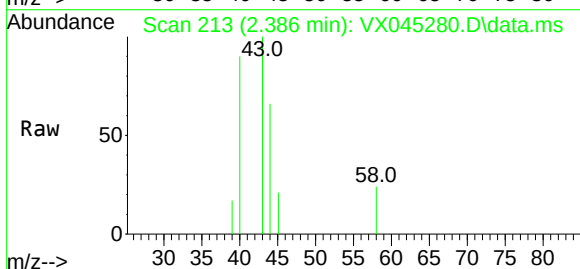
Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

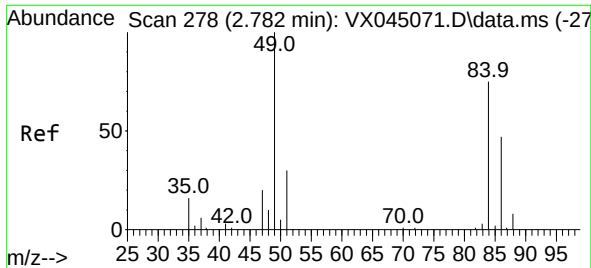
Tgt Ion: 96 Resp: 1066
Ion Ratio Lower Upper
96 100
61 204.8 134.6 202.0#
98 72.1 51.0 76.6



#16
Acetone
Concen: 1.810 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Tgt Ion: 43 Resp: 881
Ion Ratio Lower Upper
43 100
58 24.3 24.2 36.4

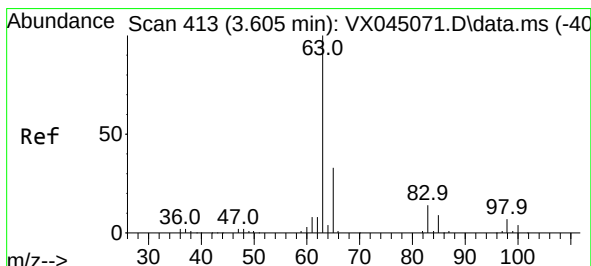
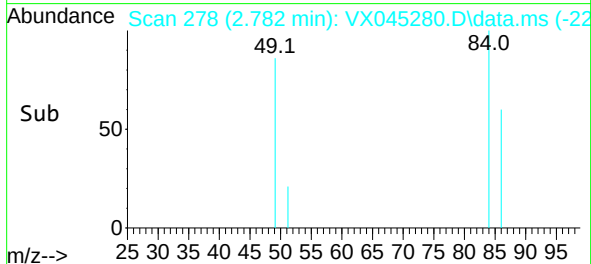
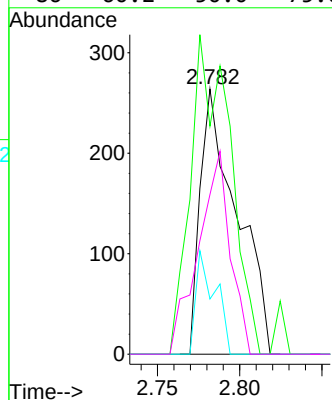
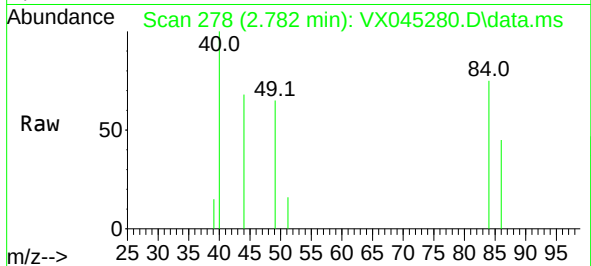




#20
Methylene Chloride
Concen: 0.423 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

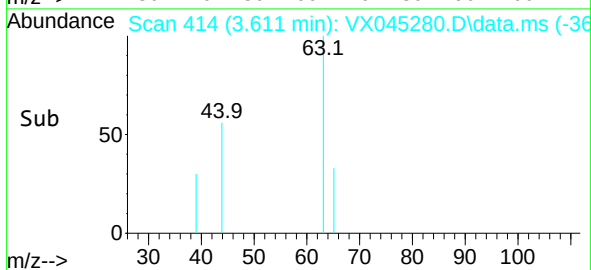
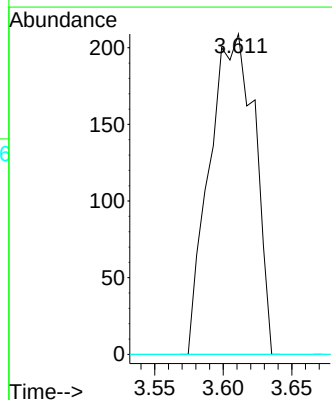
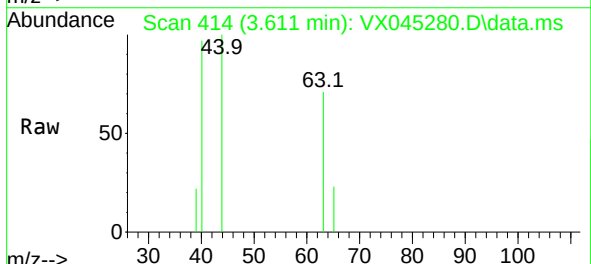
Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

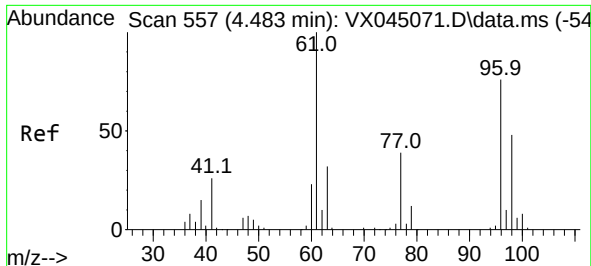
Tgt Ion:	84	Resp:	408
Ion	Ratio	Lower	Upper
84	100		
49	65.9	106.5	159.7#
51	20.8	32.1	48.1#
86	60.2	50.0	75.0



#24
1,1-Dichloroethane
Concen: 0.291 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Tgt Ion:	63	Resp:	478
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.1	6.5#





#27

cis-1,2-Dichloroethene

Concen: 1.227 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.018 min

Lab File: VX045280.D

Acq: 13 Mar 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

RW4-RE137-20250311

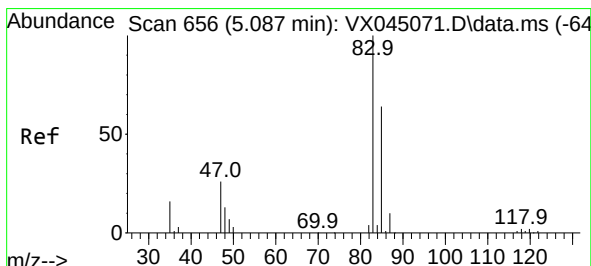
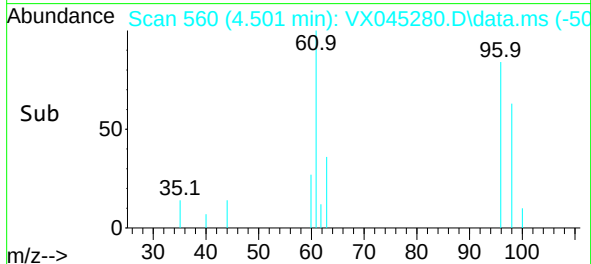
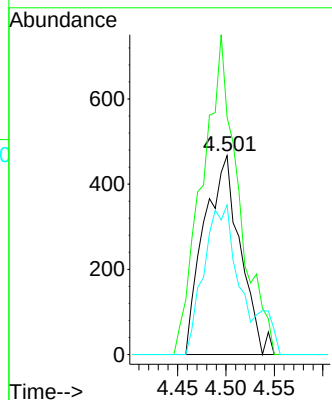
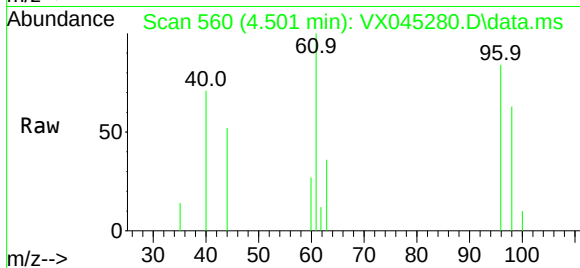
Tgt Ion: 96 Resp: 1213

Ion Ratio Lower Upper

96 100

61 160.6 0.0 283.2

98 71.7 0.0 128.0



#30

Chloroform

Concen: 0.510 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.012 min

Lab File: VX045280.D

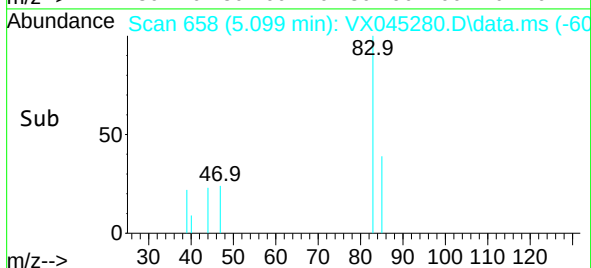
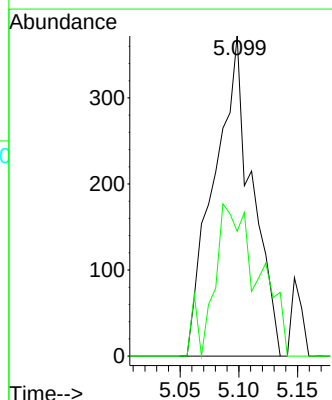
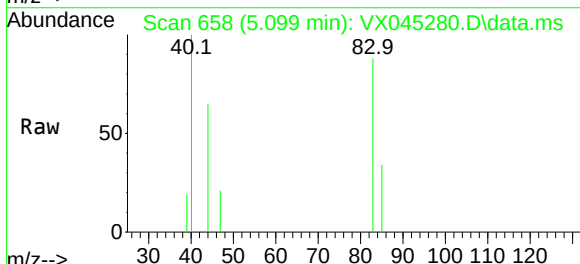
Acq: 13 Mar 2025 19:25

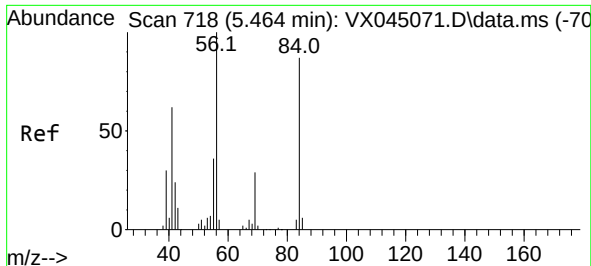
Tgt Ion: 83 Resp: 833

Ion Ratio Lower Upper

83 100

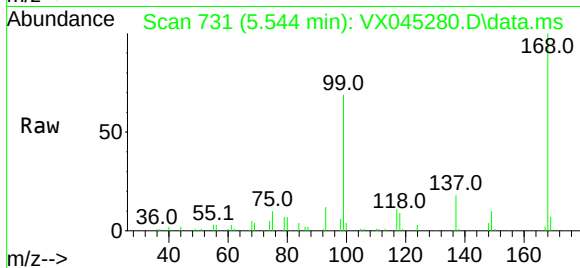
85 39.0 51.4 77.2#



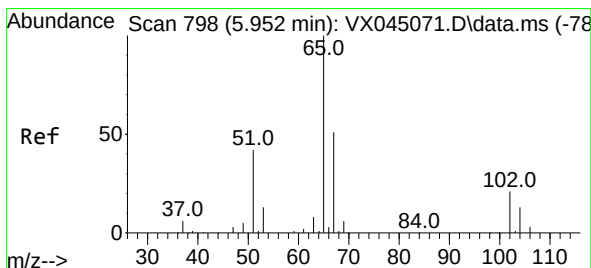
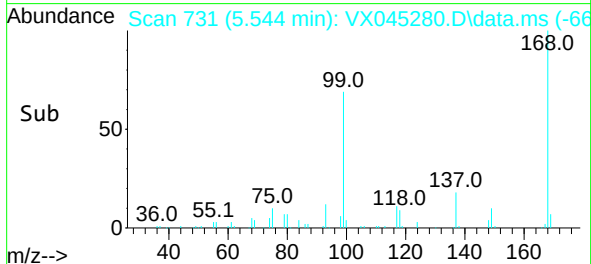
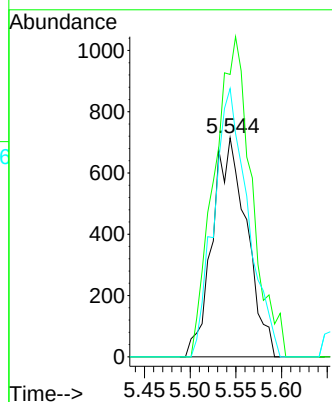


#31
Cyclohexane
Concen: 1.309 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

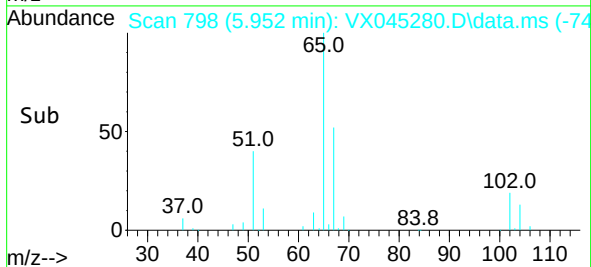
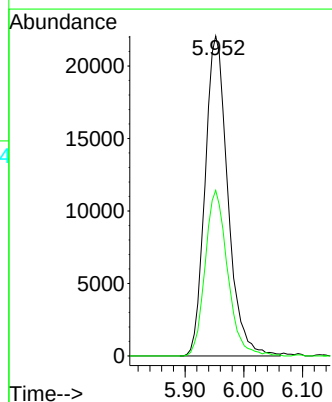
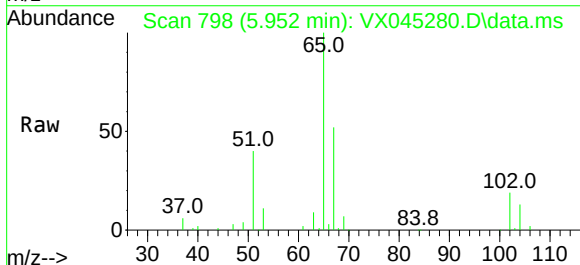


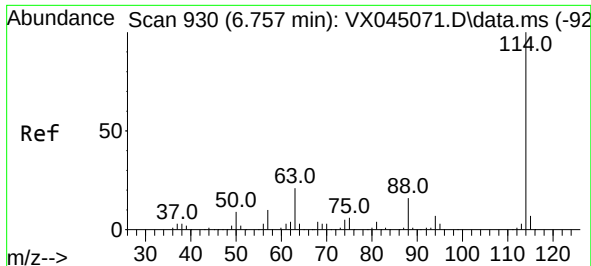
Tgt Ion: 56 Resp: 1868
Ion Ratio Lower Upper
56 100
69 129.0 23.4 35.2#
84 122.5 69.4 104.2#



#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

Tgt Ion: 65 Resp: 59358
Ion Ratio Lower Upper
65 100
67 51.2 0.0 106.2

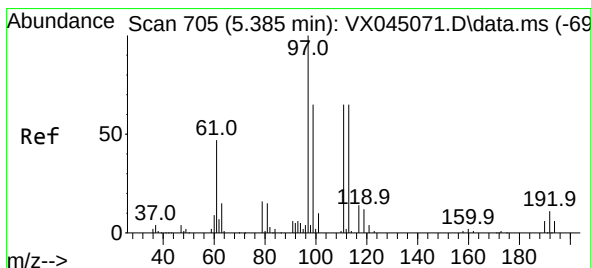
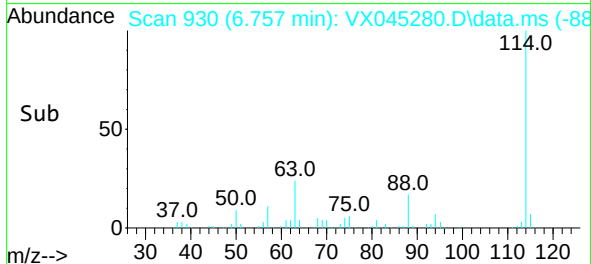
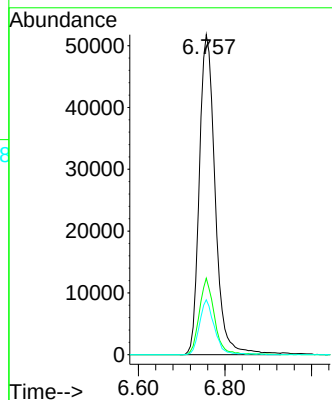
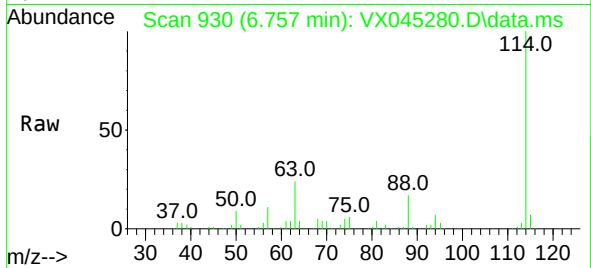




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

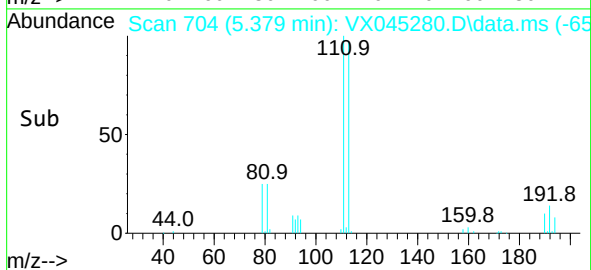
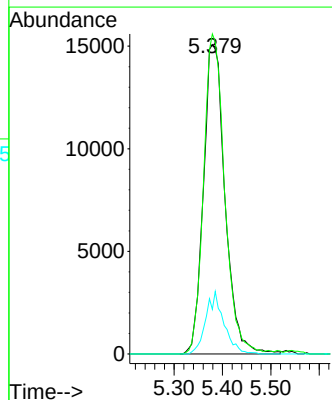
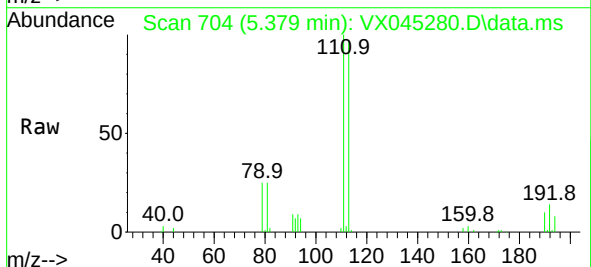
Instrument :
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RW4-RE137-20250311

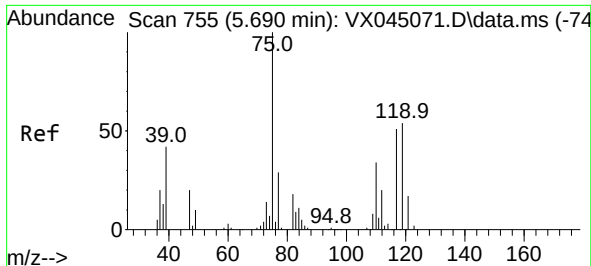
Tgt Ion:114 Resp: 131523
Ion Ratio Lower Upper
114 100
63 23.9 0.0 41.8
88 17.2 0.0 32.8



#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

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





#36

1,1-Dichloropropene

Concen: 5.204 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX045280.D

Acq: 13 Mar 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

RW4-RE137-20250311

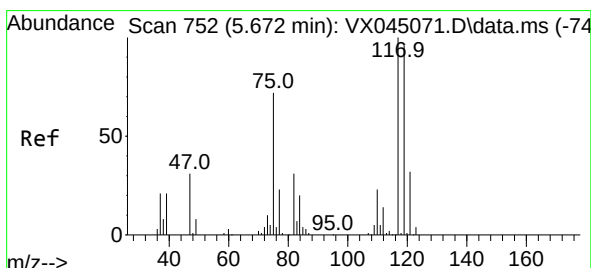
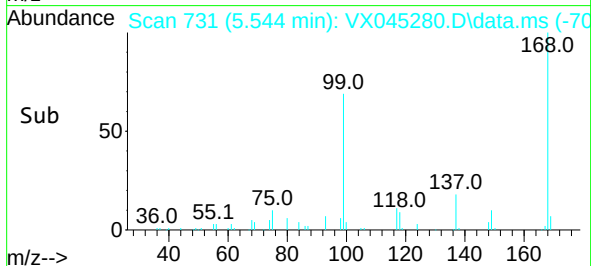
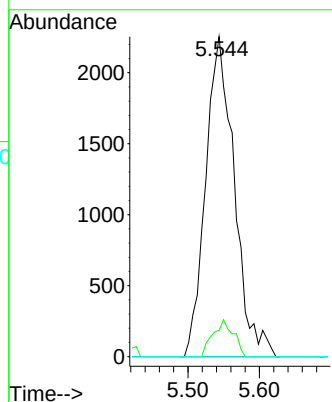
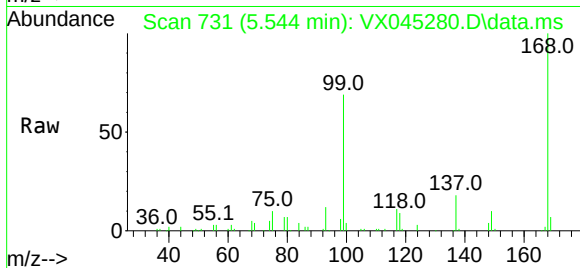
Tgt Ion: 75 Resp: 6277

Ion Ratio Lower Upper

75 100

110 8.3 16.9 50.6#

77 0.0 24.5 36.7#



#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

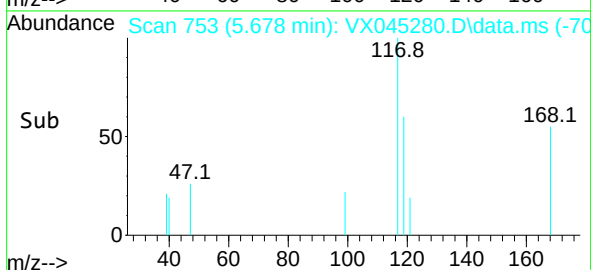
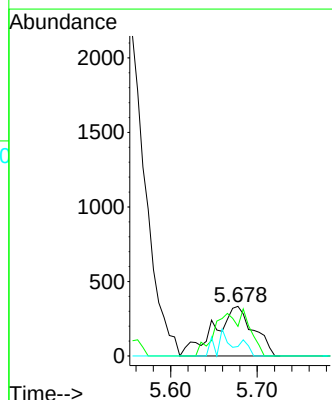
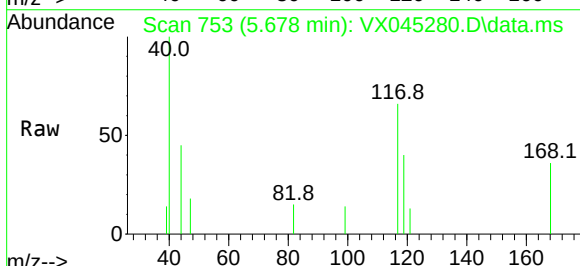
Tgt Ion: 117 Resp: 1051

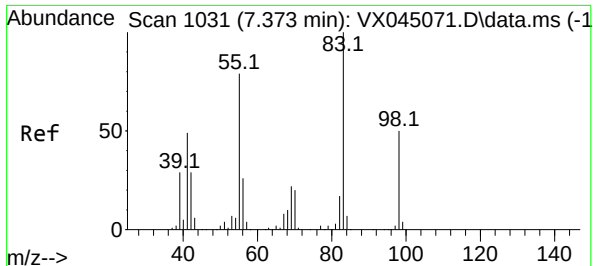
Ion Ratio Lower Upper

117 100

119 59.8 76.7 115.1#

121 19.2 25.5 38.3#

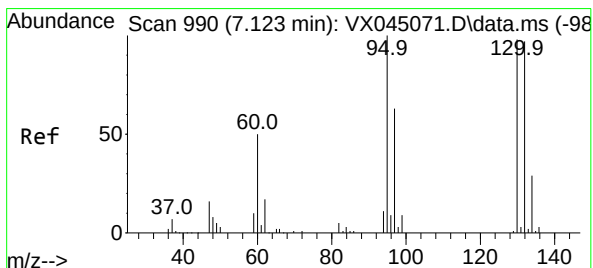
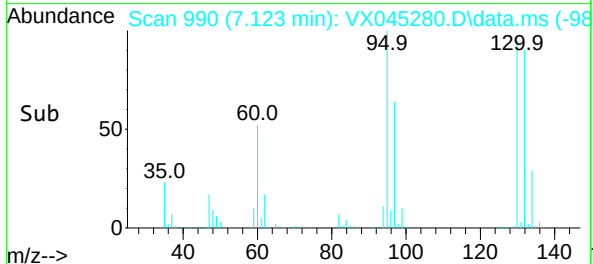
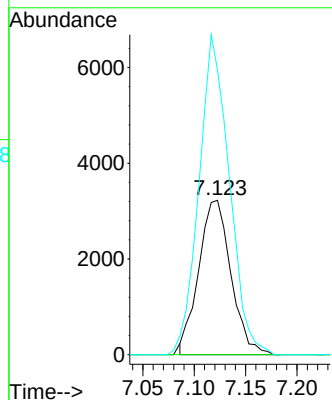
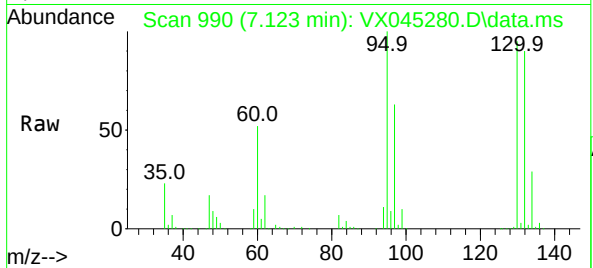




#39
Methylcyclohexane
Concen: 4.862 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

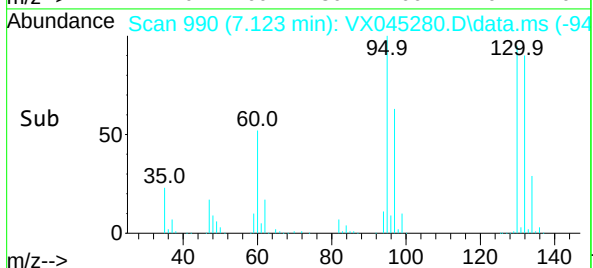
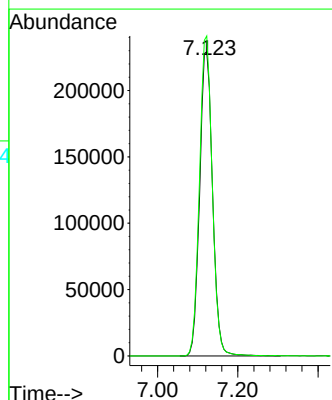
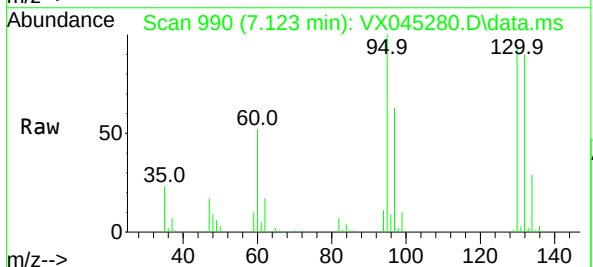
Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

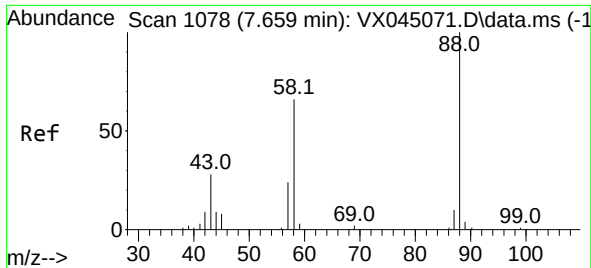
Tgt Ion: 83 Resp: 7027
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 184.4 39.7 59.5#



#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

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

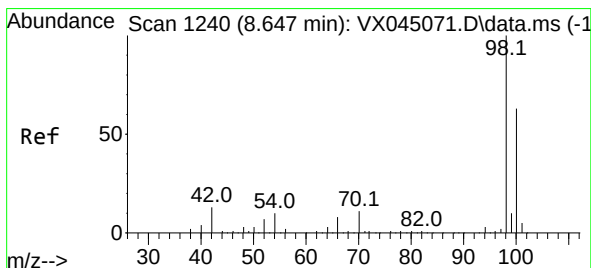
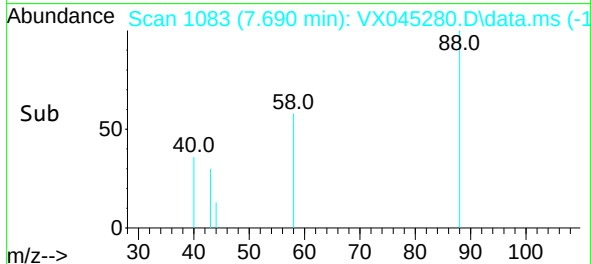
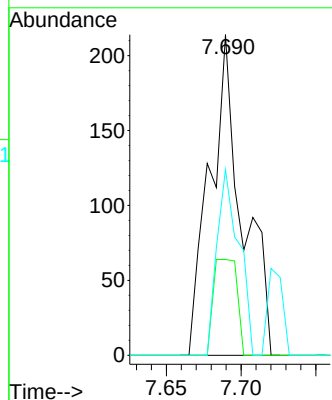
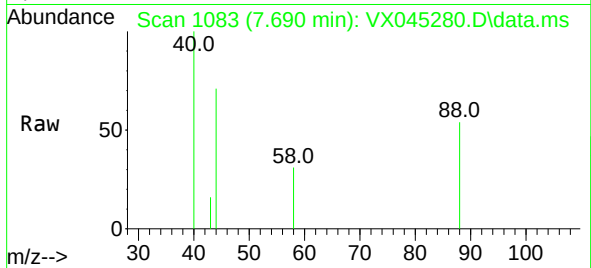




#49
1,4-Dioxane
Concen: 13.281 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.030 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

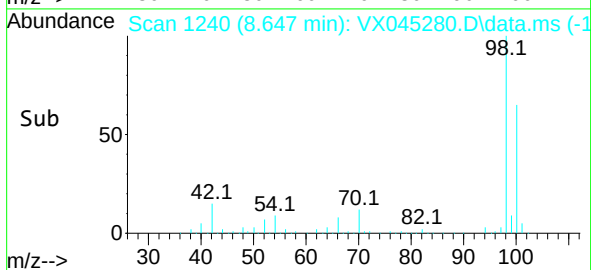
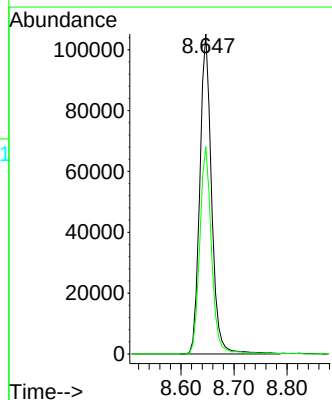
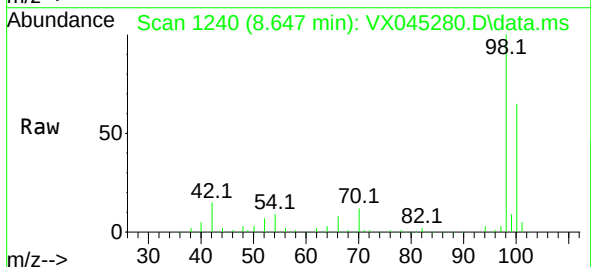
Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

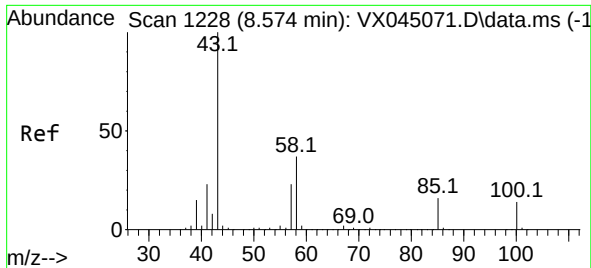
Tgt Ion: 88 Resp: 323
Ion Ratio Lower Upper
88 100
43 21.7 28.7 43.1#
58 39.0 55.8 83.8#



#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

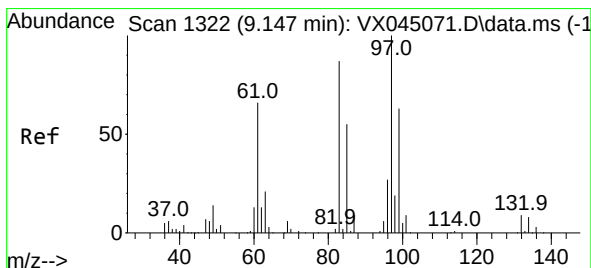
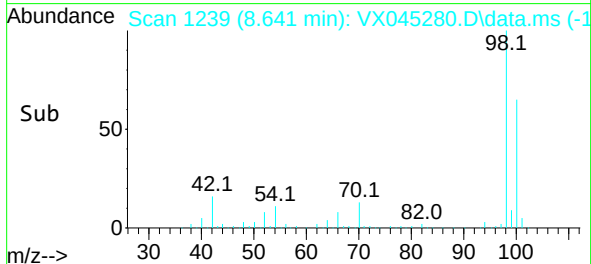
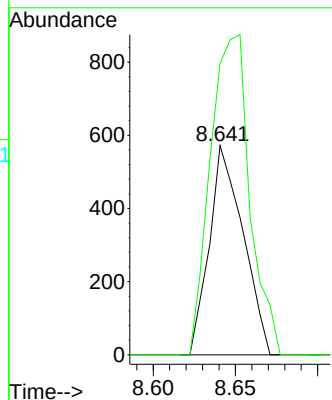
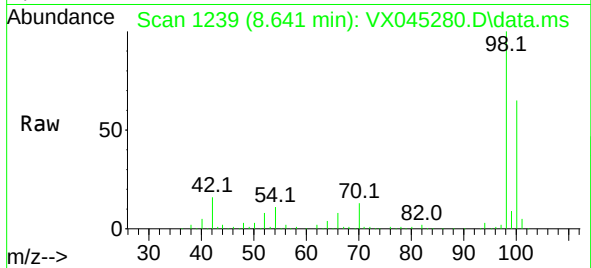




#51
4-Methyl-2-Pentanone
Concen: 0.529 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

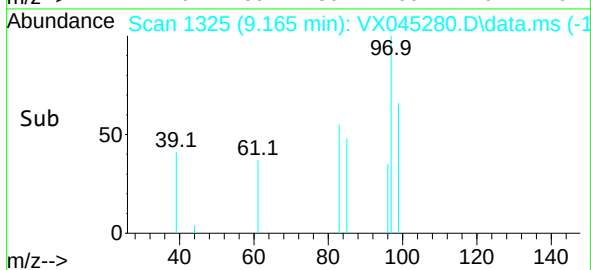
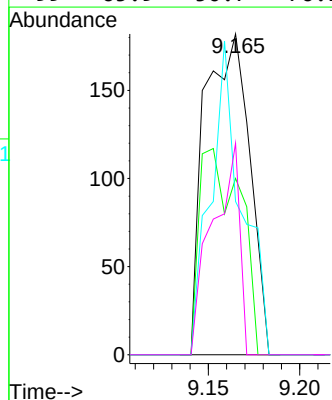
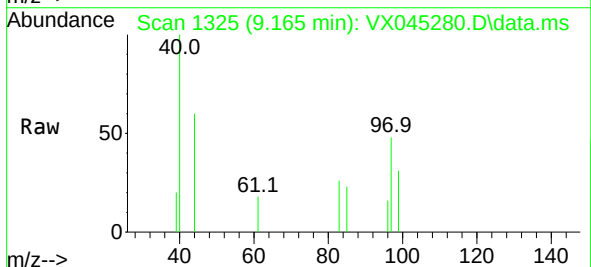
Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

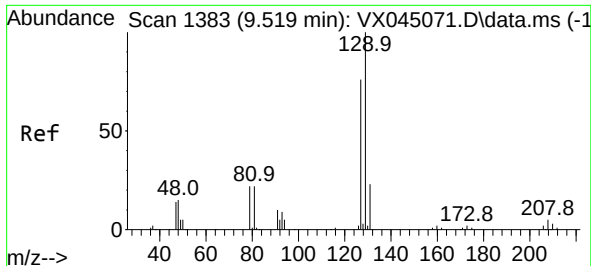
Tgt Ion: 43 Resp: 816
Ion Ratio Lower Upper
43 100
58 179.2 29.2 43.8#



#55
1,1,2-Trichloroethane
Concen: 0.337 ug/l
RT: 9.165 min Scan# 1325
Delta R.T. 0.018 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

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

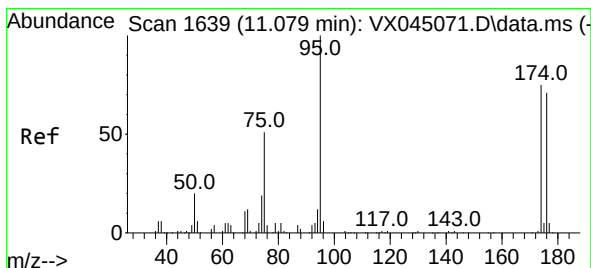
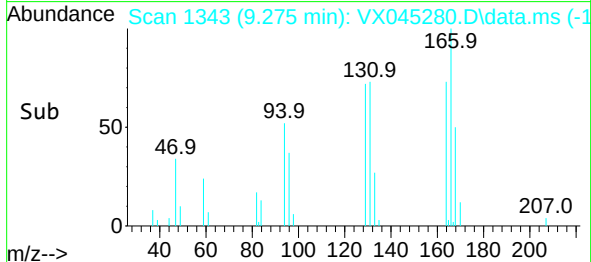
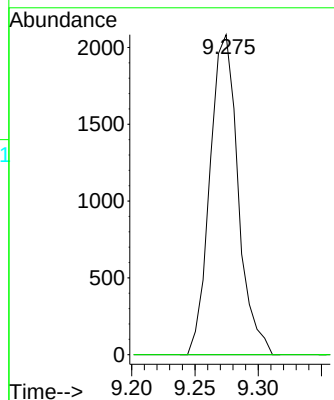
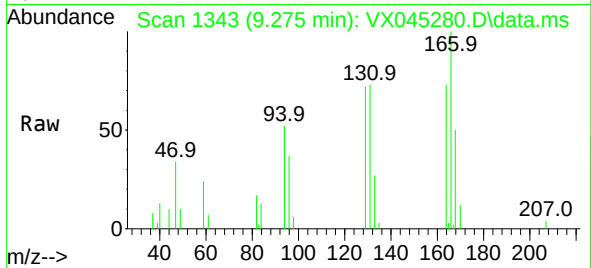




#60
 Dibromochloromethane
 Concen: 3.357 ug/l
 RT: 9.275 min Scan# 11
 Delta R.T. -0.244 min
 Lab File: VX045280.D
 Acq: 13 Mar 2025 19:25

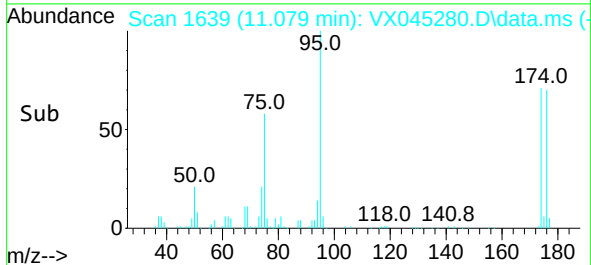
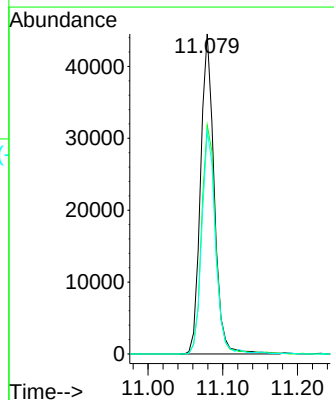
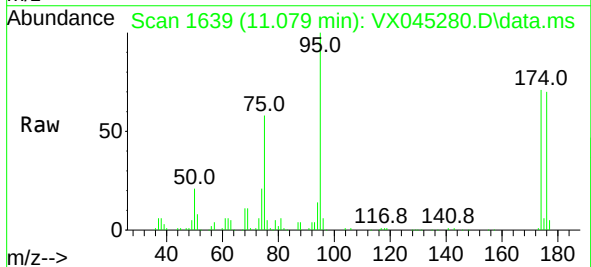
Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-RE137-20250311

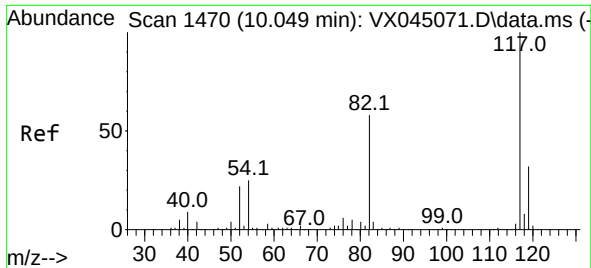
Tgt Ion:129 Resp: 3229
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.5#



#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

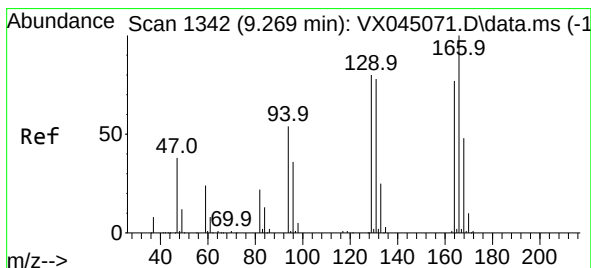
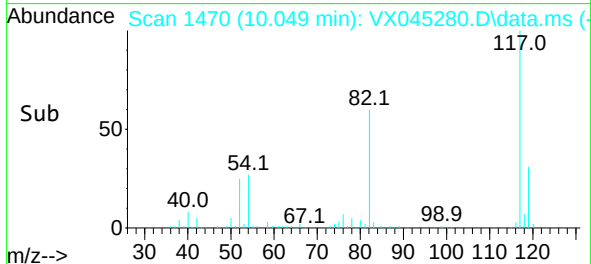
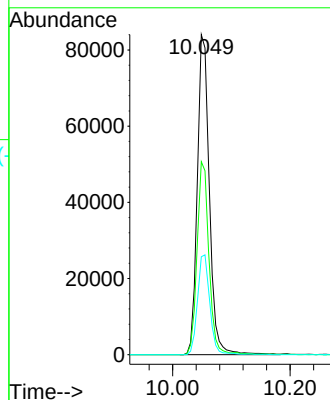
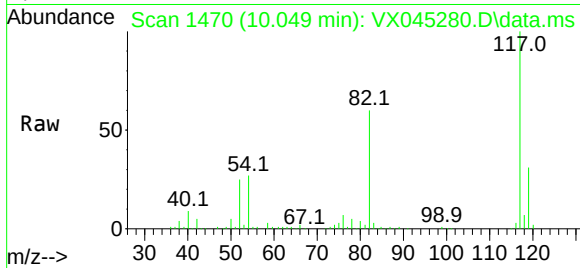




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045280.D
Acq: 13 Mar 2025 19:25

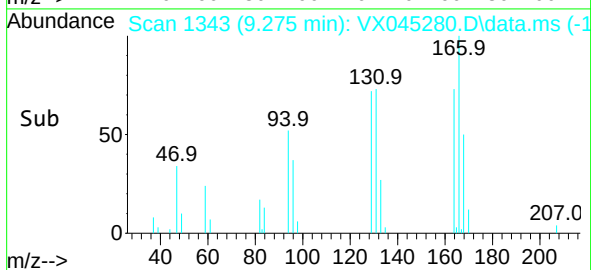
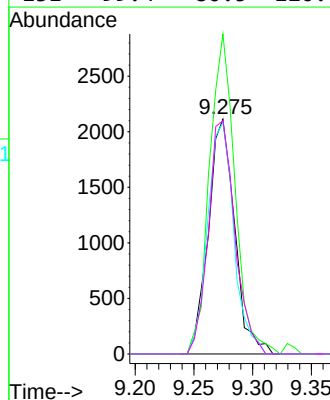
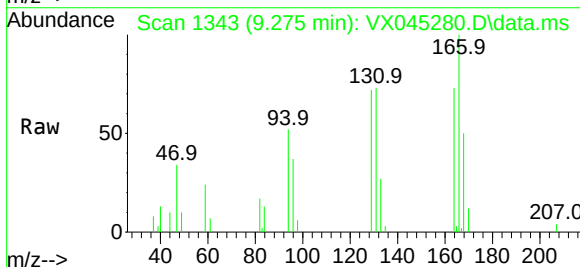
Instrument :
MSVOA_X
ClientSampleId :
RW4-RE137-20250311

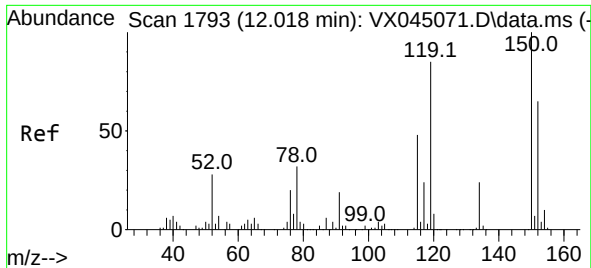
Tgt Ion:117	Resp:	119805
Ion	Ratio	Lower Upper
117	100	
82	60.3	46.3 69.5
119	30.6	25.7 38.5



#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

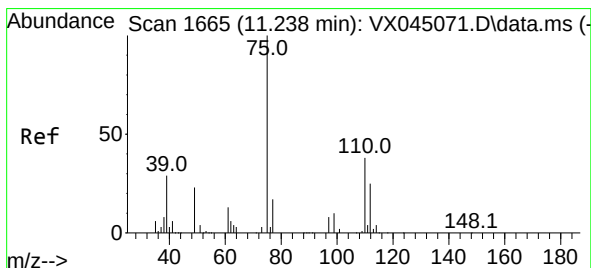
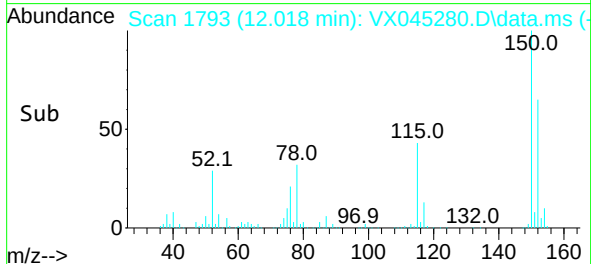
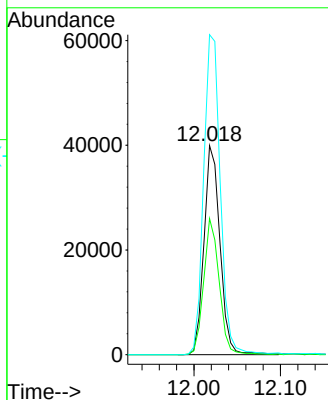
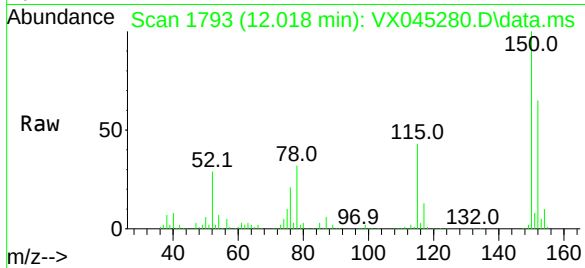




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045280.D
 Acq: 13 Mar 2025 19:25

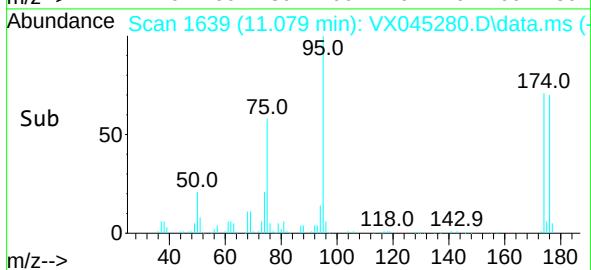
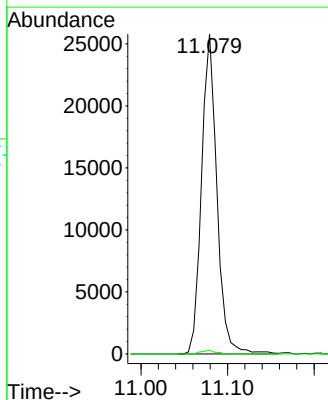
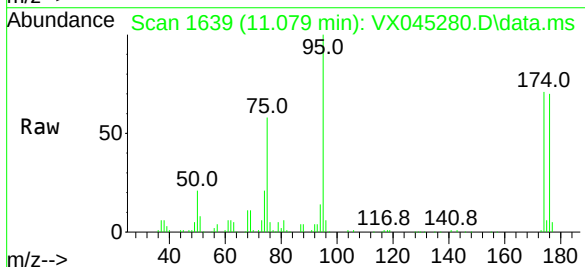
Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-RE137-20250311

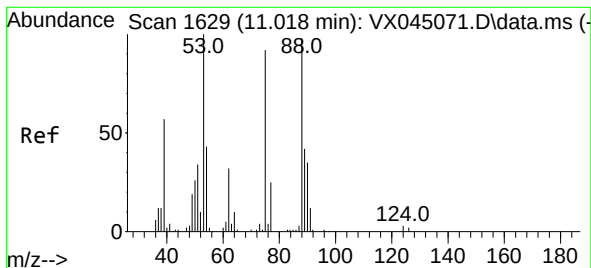
Tgt Ion:152 Resp: 51347
 Ion Ratio Lower Upper
 152 100
 115 63.1 44.2 132.6
 150 159.8 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.605 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045280.D
 Acq: 13 Mar 2025 19:25

Tgt Ion: 75 Resp: 31796
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.7 62.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 91.048 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX045280.D

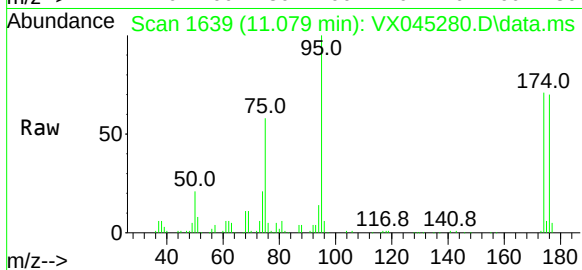
Acq: 13 Mar 2025 19:25

Instrument :

MSVOA_X

ClientSampleId :

RW4-RE137-20250311



Tgt Ion: 75 Resp: 31796

Ion Ratio Lower Upper

75 100

53 0.0 88.5 132.7#

89 0.0 36.2 54.4#

