

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040825\
 Data File : VX045640.D
 Acq On : 08 Apr 2025 10:32
 Operator : JC/MD
 Sample : Q1741-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-02B-66-040425

Quant Time: Apr 09 01:34:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

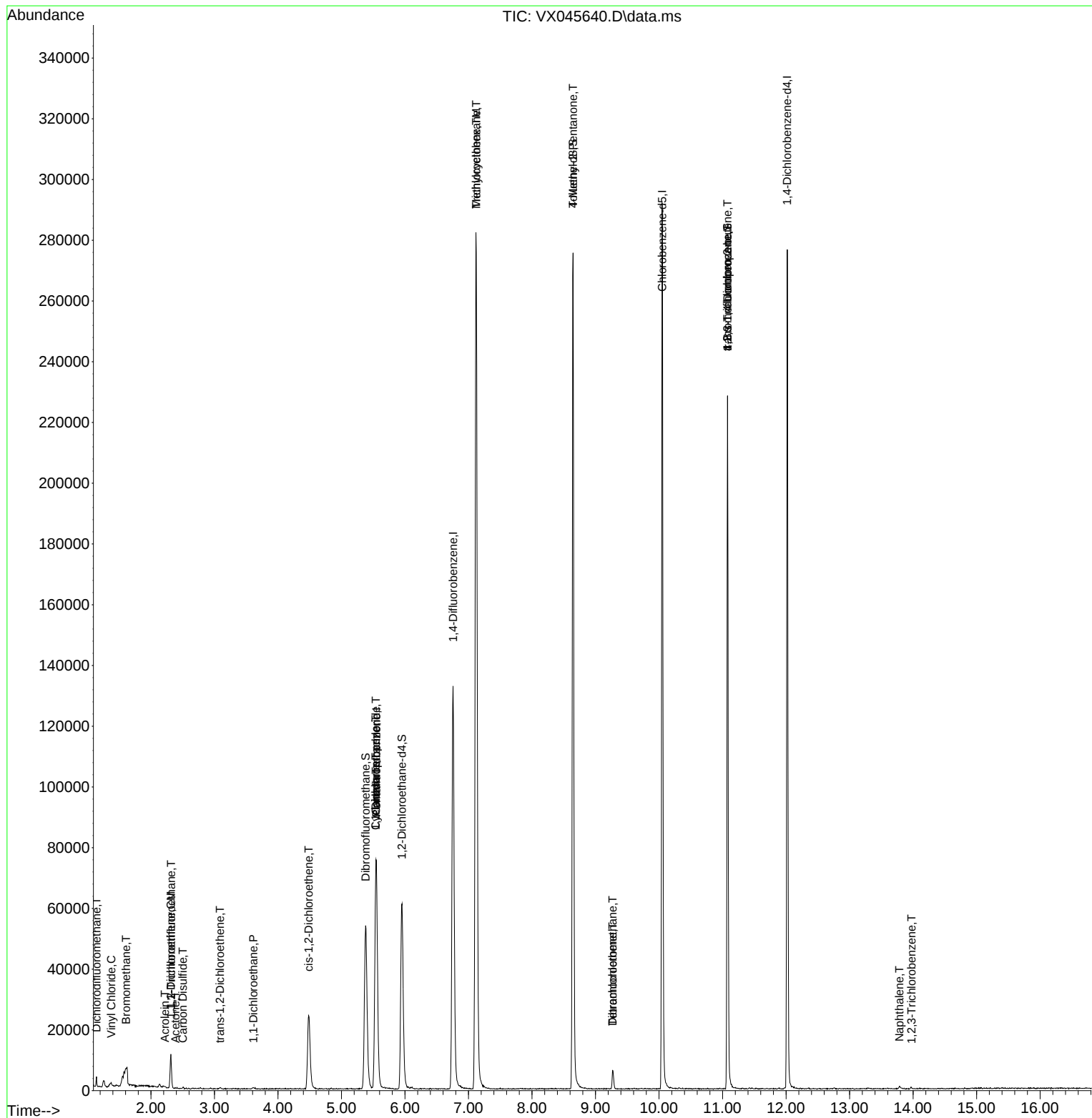
Internal Standards						
1) Pentafluorobenzene	5.550	168	64814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126812	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62616	52.828	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.660%			
35) Dibromofluoromethane	5.379	113	46074	51.209	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.420%			
50) Toluene-d8	8.647	98	159892	50.914	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.820%			
62) 4-Bromofluorobenzene	11.079	95	59561	52.068	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.142	85	241	0.249	ug/l	82
4) Vinyl Chloride	1.374	62	203	0.223	ug/l #	36
5) Bromomethane	1.605	94	273	0.632	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.319	101	360	0.452	ug/l #	89
12) 1,1-Dichloroethene	2.313	96	3145	4.042	ug/l	90
13) Acrolein	2.221	56	116	0.529	ug/l #	63
16) Acetone	2.386	43	284	0.584	ug/l #	47
17) Carbon Disulfide	2.502	76	522	0.272	ug/l #	76
21) trans-1,2-Dichloroethene	3.087	96	182	0.229	ug/l	83
24) 1,1-Dichloroethane	3.611	63	665	0.404	ug/l #	83
27) cis-1,2-Dichloroethene	4.483	96	15322	15.821	ug/l	89
31) Cyclohexane	5.538	56	2054	1.413	ug/l #	38
36) 1,1-Dichloropropene	5.538	75	6798	5.596	ug/l #	50
38) Carbon Tetrachloride	5.544	117	8056	6.136	ug/l #	16
39) Methylcyclohexane	7.123	83	1500	1.007	ug/l #	1
44) Trichloroethene	7.123	130	103334	117.179	ug/l	96
51) 4-Methyl-2-Pentanone	8.647	43	1074	0.698	ug/l #	1
60) Dibromochloromethane	9.269	129	1187	1.217	ug/l #	10
64) Tetrachloroethene	9.269	164	1107	1.316	ug/l	86
76) 1,2,3-Trichloropropane	11.079	75	34032	27.848	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34032	94.511	ug/l #	1
95) Naphthalene	13.786	128	1097	0.316	ug/l #	82
96) 1,2,3-Trichlorobenzene	13.975	180	236	0.241	ug/l	89

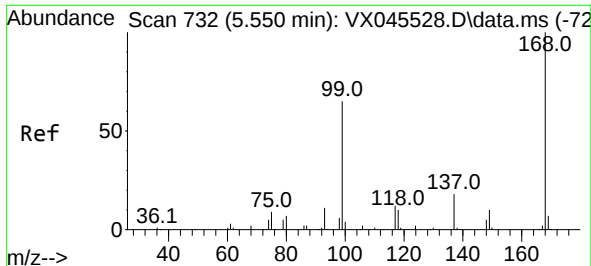
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : Q1741-01 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-040425

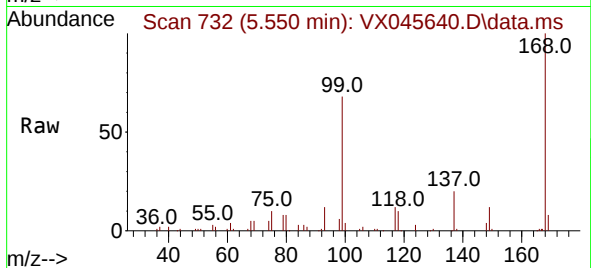
Quant Time: Apr 09 01:34:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



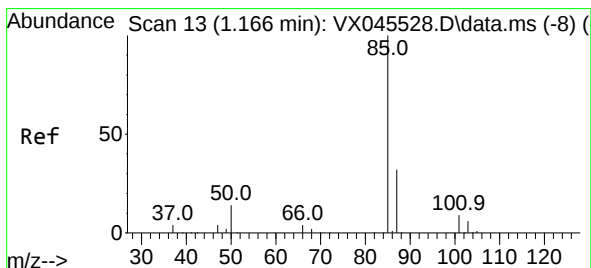
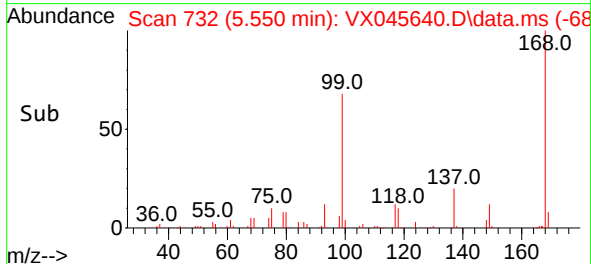
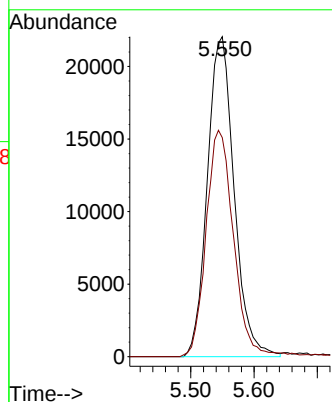


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
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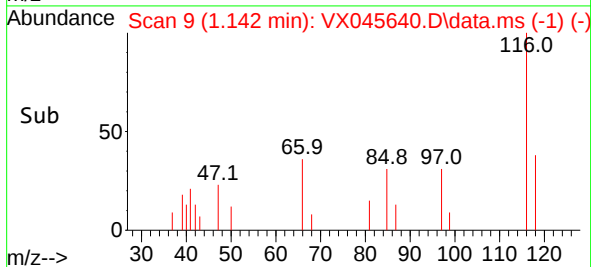
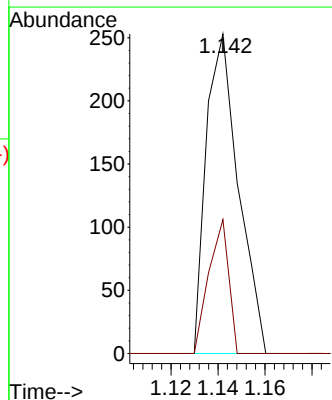
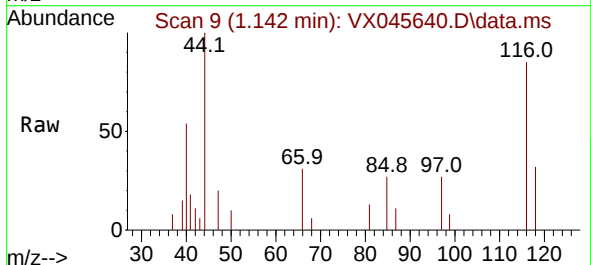


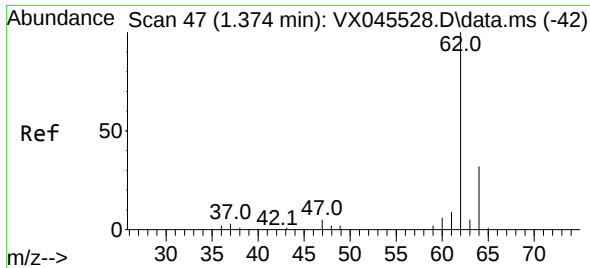
Tgt Ion:168 Resp: 64814
Ion Ratio Lower Upper
168 100
99 68.5 52.3 78.5



#2
Dichlorodifluoromethane
Concen: 0.249 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.024 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

Tgt Ion: 85 Resp: 241
Ion Ratio Lower Upper
85 100
87 41.9 16.1 48.2

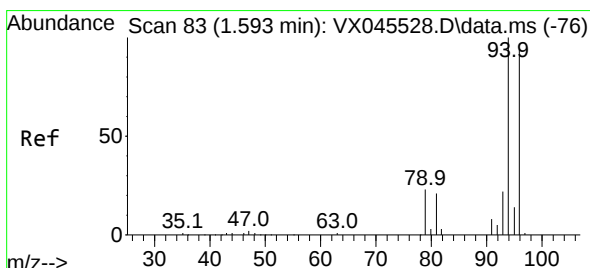
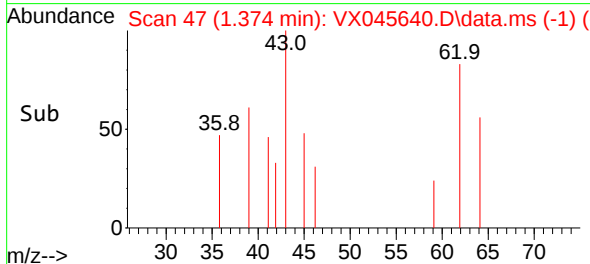
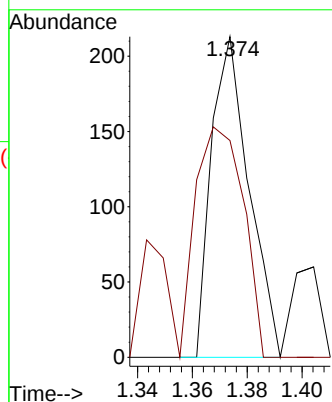
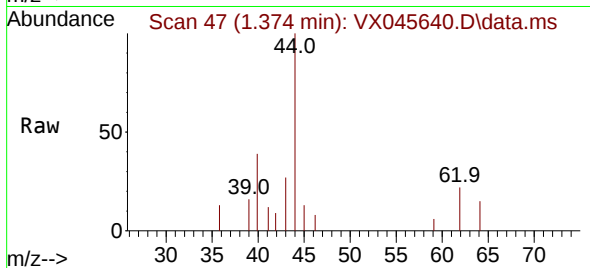




#4
 Vinyl Chloride
 Concen: 0.223 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX045640.D
 Acq: 08 Apr 2025 10:32

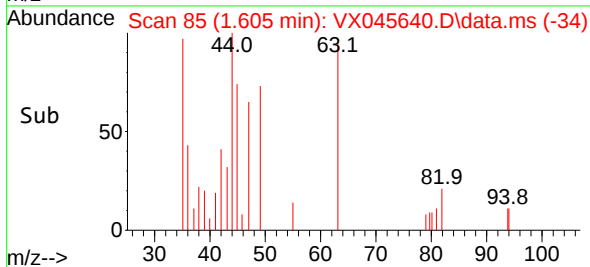
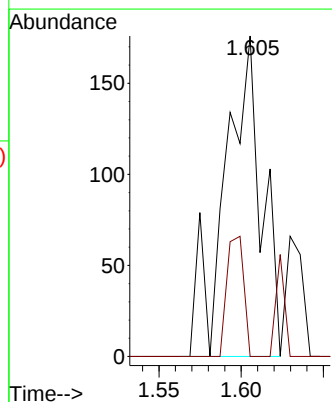
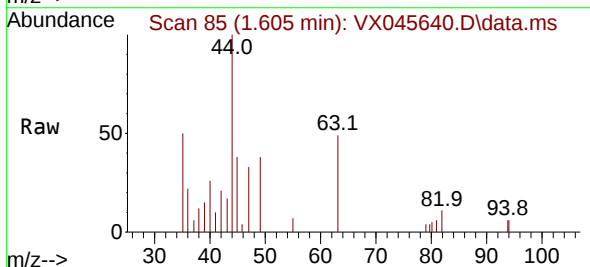
Instrument :
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 ClientSampleId :
 RMW-02B-66-040425

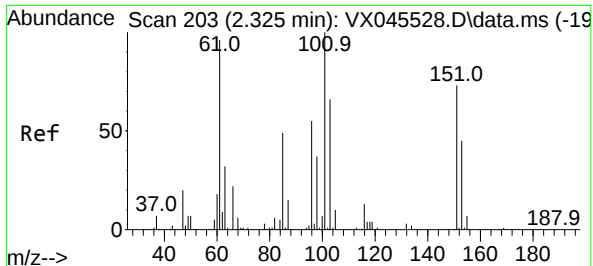
Tgt Ion: 62 Resp: 203
 Ion Ratio Lower Upper
 62 100
 64 67.6 25.5 38.3#



#5
 Bromomethane
 Concen: 0.632 ug/l
 RT: 1.605 min Scan# 85
 Delta R.T. 0.012 min
 Lab File: VX045640.D
 Acq: 08 Apr 2025 10:32

Tgt Ion: 94 Resp: 273
 Ion Ratio Lower Upper
 94 100
 96 0.0 74.8 112.2#

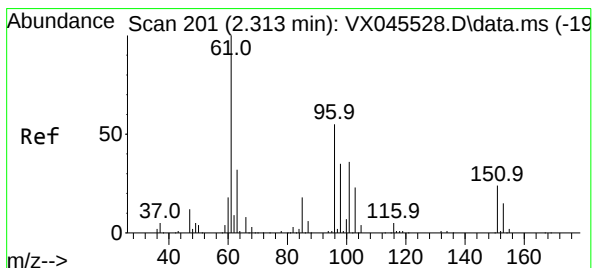
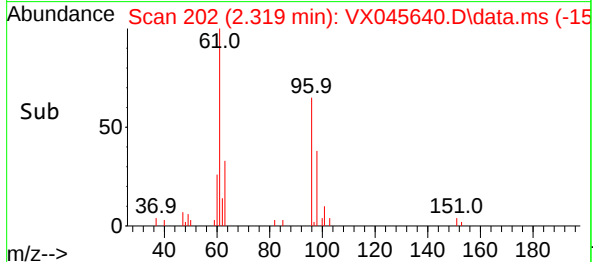
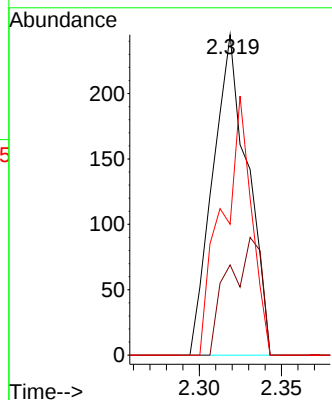
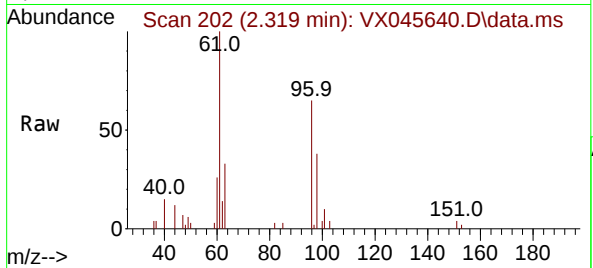




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.452 ug/l
RT: 2.319 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

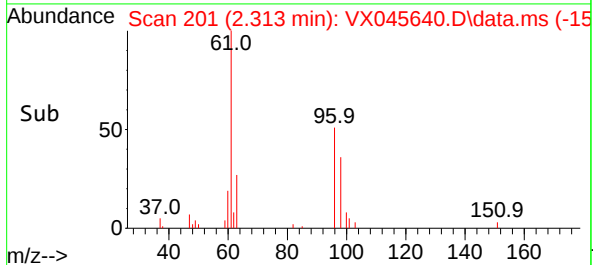
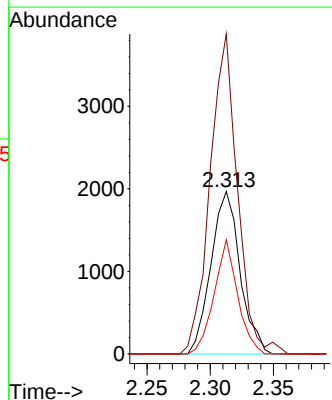
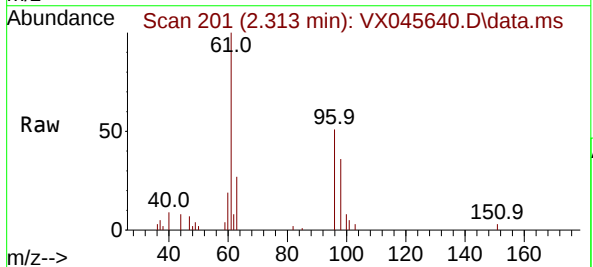
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-040425

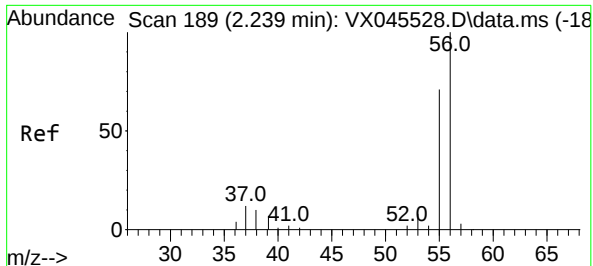
Tgt Ion:101 Resp: 360
Ion Ratio Lower Upper
101 100
85 35.3 38.9 58.3#
151 67.8 57.5 86.3



#12
1,1-Dichloroethene
Concen: 4.042 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

Tgt Ion: 96 Resp: 3145
Ion Ratio Lower Upper
96 100
61 197.0 145.7 218.5
98 70.3 51.6 77.4

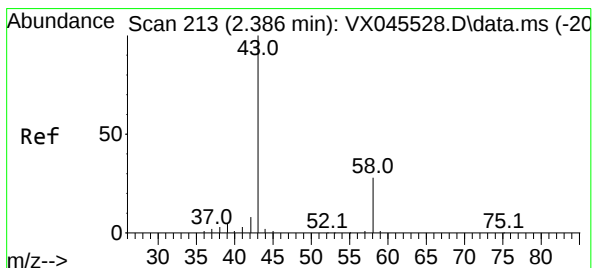
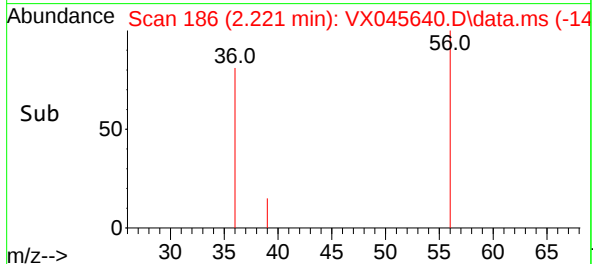
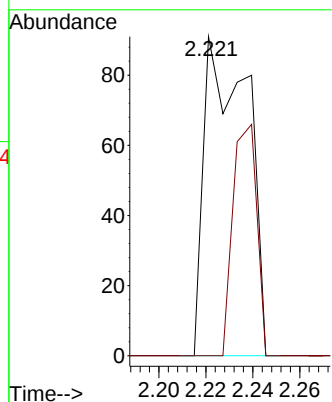
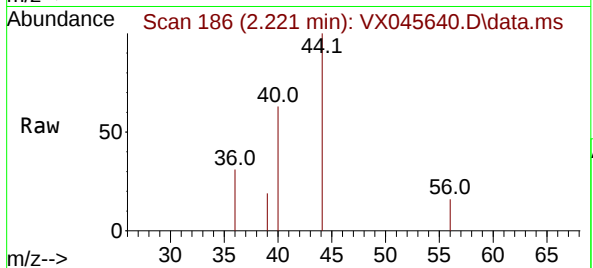




#13
Acrolein
Concen: 0.529 ug/l
RT: 2.221 min Scan# 116
Delta R.T. -0.018 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

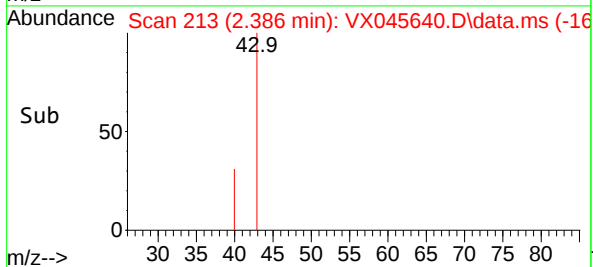
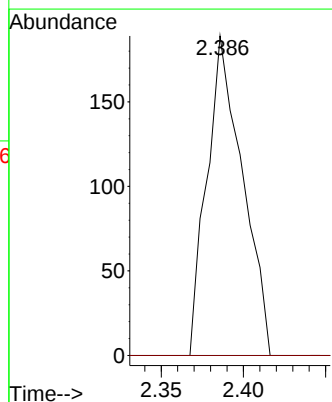
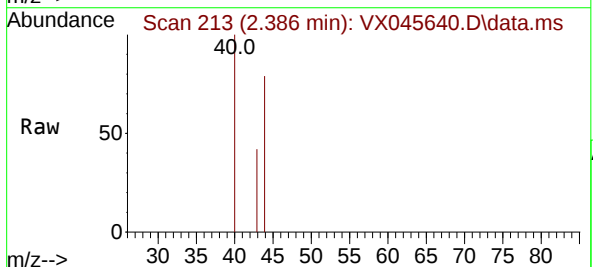
Instrument :
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ClientSampleId :
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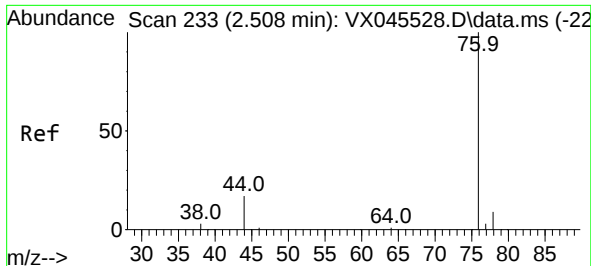
Tgt Ion: 56 Resp: 116
Ion Ratio Lower Upper
56 100
55 39.7 56.2 84.2#



#16
Acetone
Concen: 0.584 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

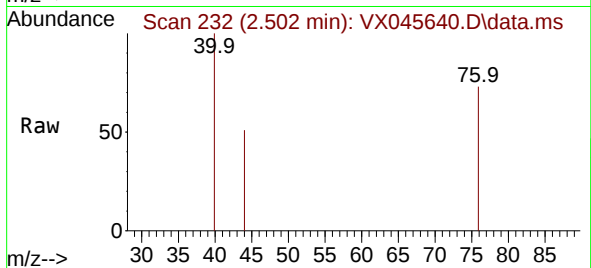
Tgt Ion: 43 Resp: 284
Ion Ratio Lower Upper
43 100
58 0.0 22.3 33.5#



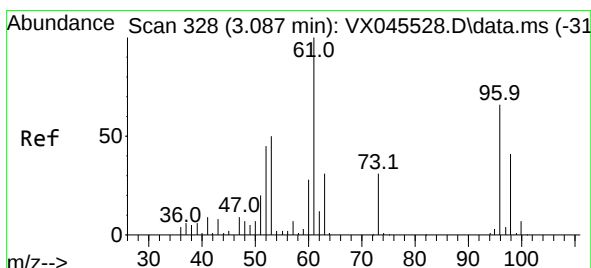
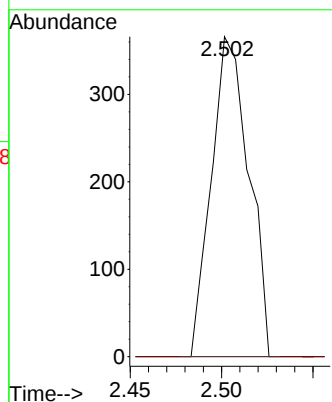
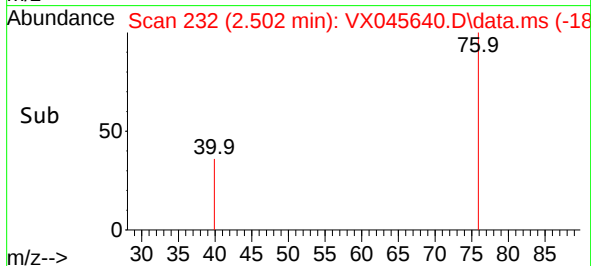


#17
Carbon Disulfide
Concen: 0.272 ug/l
RT: 2.502 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

Instrument :
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ClientSampleId :
RMW-02B-66-040425

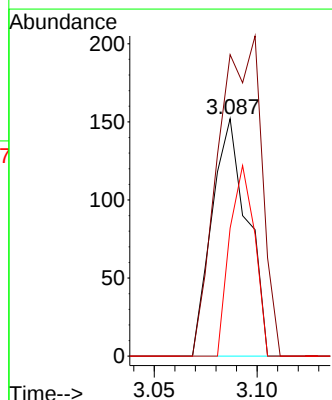
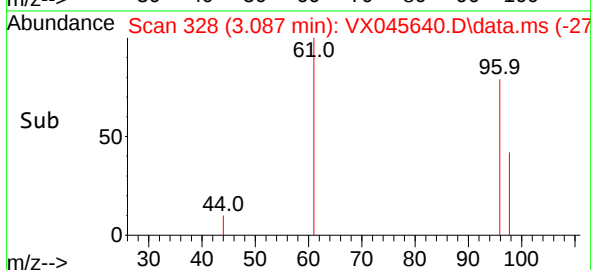
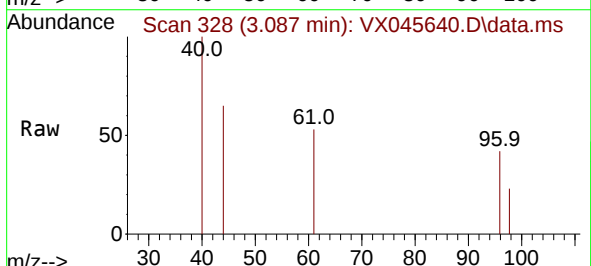


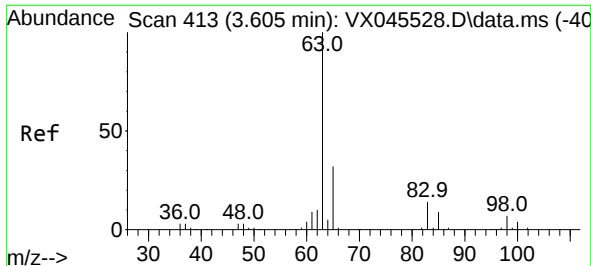
Tgt Ion: 76 Resp: 522
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#21
trans-1,2-Dichloroethene
Concen: 0.229 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.000 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

Tgt Ion: 96 Resp: 182
Ion Ratio Lower Upper
96 100
61 127.0 121.0 181.6
98 53.9 49.7 74.5

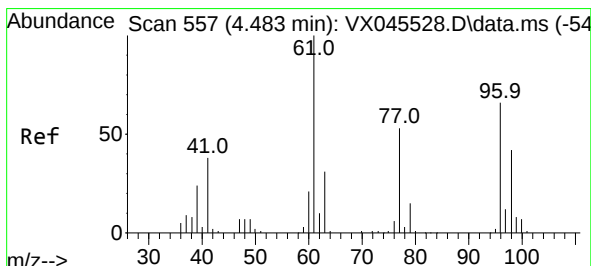
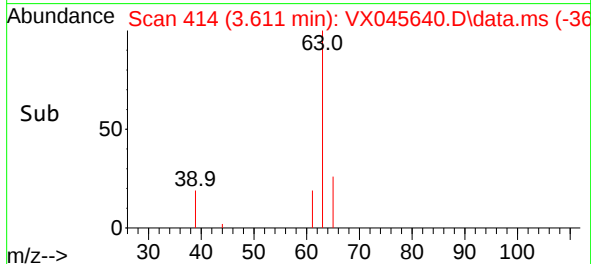
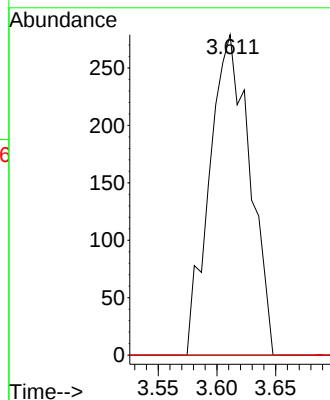
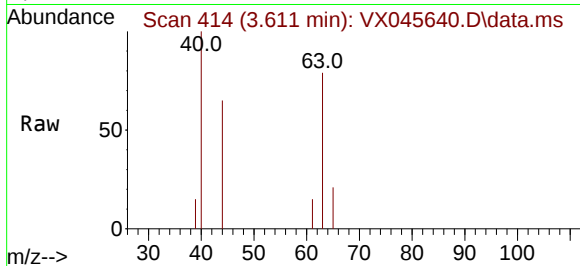




#24
 1,1-Dichloroethane
 Concen: 0.404 ug/l
 RT: 3.611 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX045640.D
 Acq: 08 Apr 2025 10:32

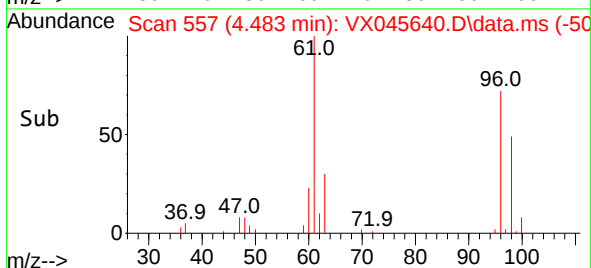
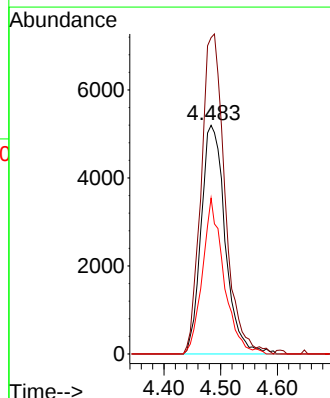
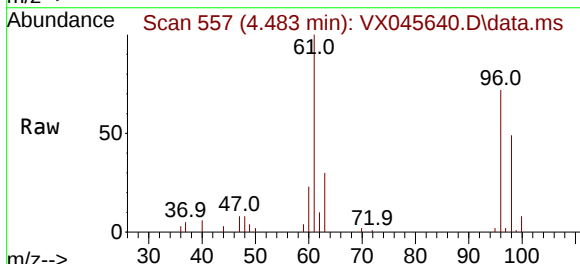
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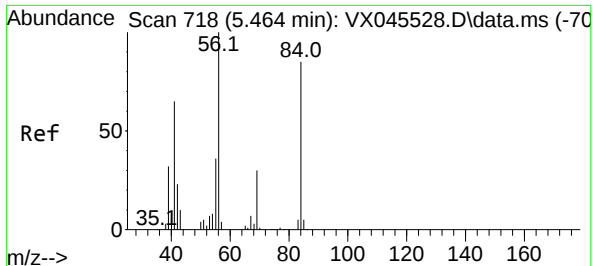
Tgt Ion: 63 Resp: 665
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.4 10.1#
 100 0.0 2.2 6.6#



#27
 cis-1,2-Dichloroethene
 Concen: 15.821 ug/l
 RT: 4.483 min Scan# 557
 Delta R.T. 0.000 min
 Lab File: VX045640.D
 Acq: 08 Apr 2025 10:32

Tgt Ion: 96 Resp: 15322
 Ion Ratio Lower Upper
 96 100
 61 138.6 0.0 313.2
 98 60.9 0.0 126.4

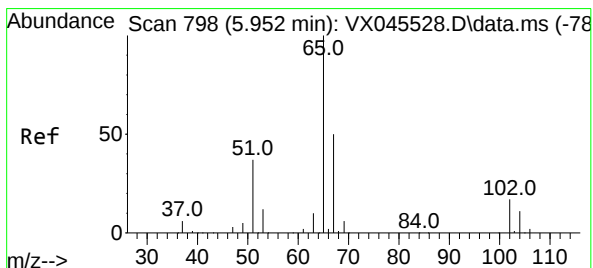
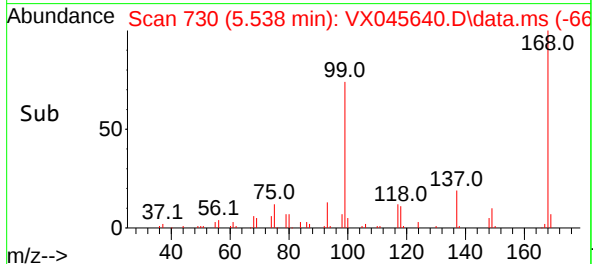
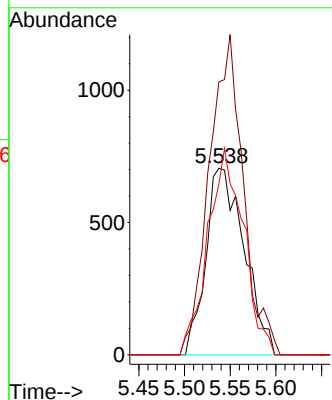
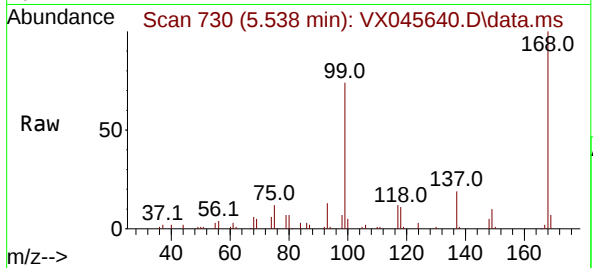




#31
Cyclohexane
Concen: 1.413 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

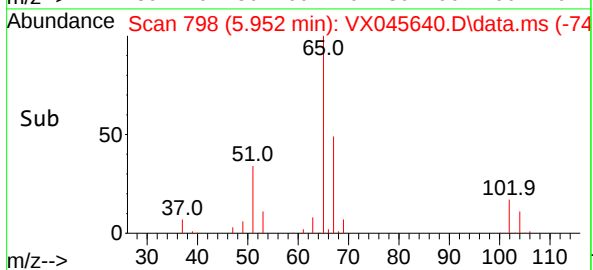
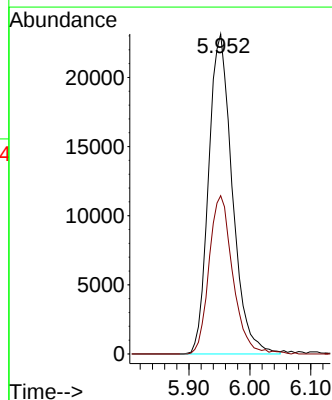
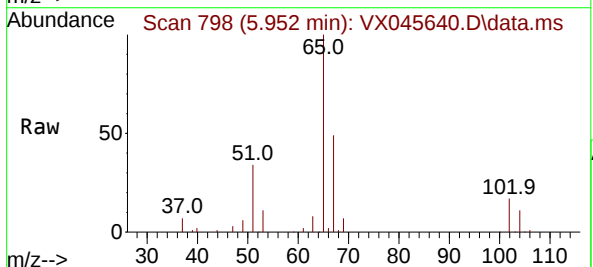
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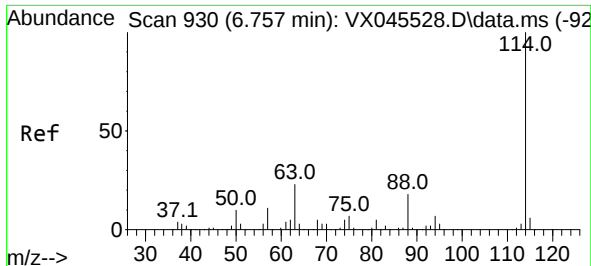
Tgt Ion: 56 Resp: 2054
Ion Ratio Lower Upper
56 100
69 146.4 23.6 35.4#
84 91.6 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 52.828 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

Tgt Ion: 65 Resp: 62616
Ion Ratio Lower Upper
65 100
67 49.5 0.0 99.0

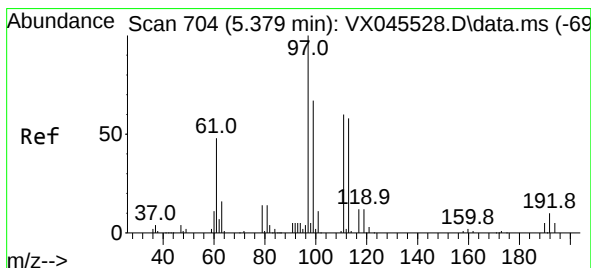
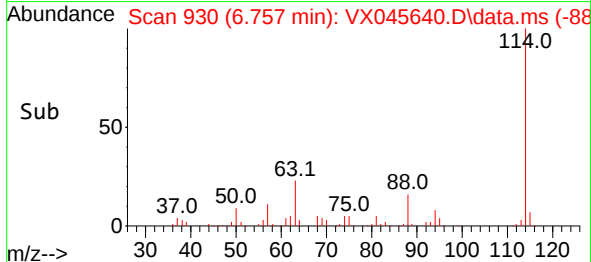
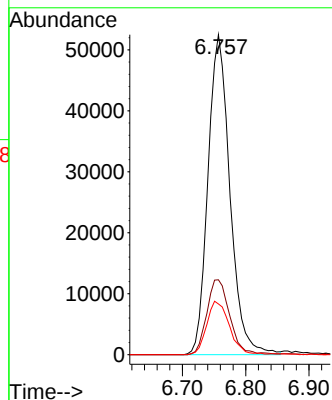
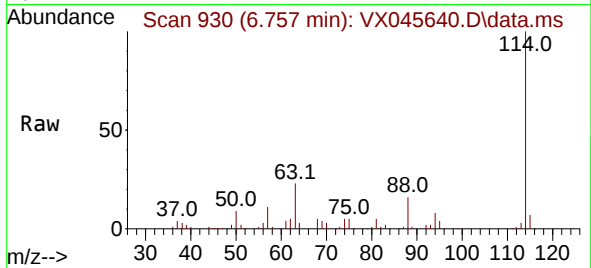




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

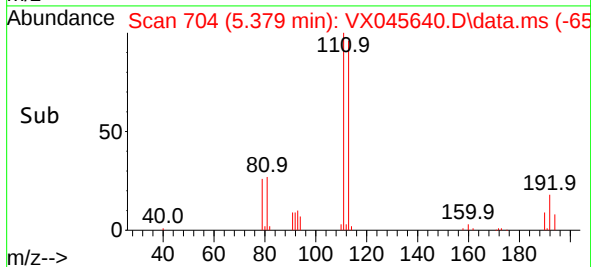
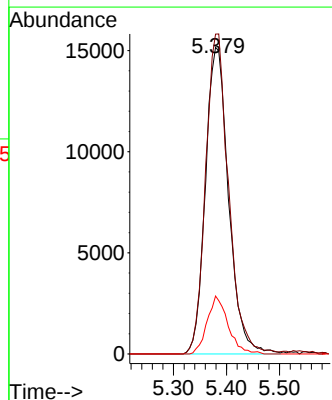
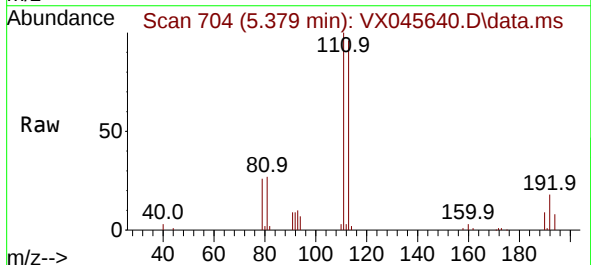
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-040425

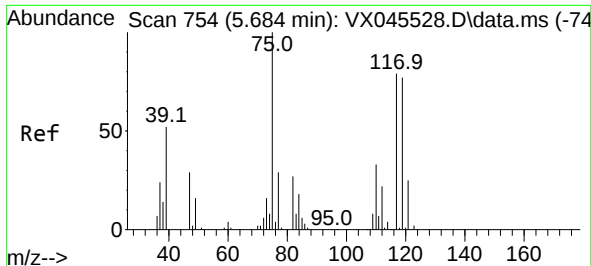
Tgt Ion:114 Resp: 126812
Ion Ratio Lower Upper
114 100
63 23.4 0.0 46.8
88 15.9 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.209 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

Tgt Ion:113 Resp: 46074
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.6
192 17.0 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.596 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX045640.D

Acq: 08 Apr 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

RMW-02B-66-040425

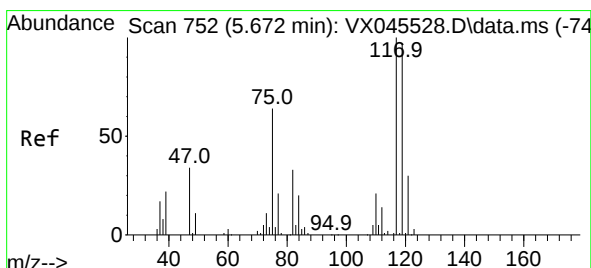
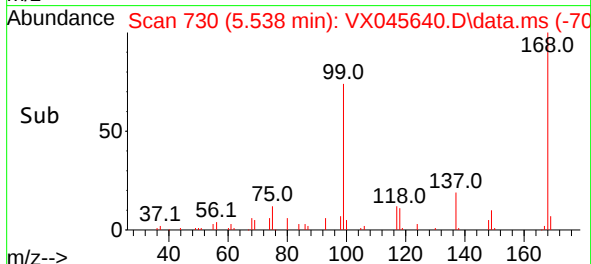
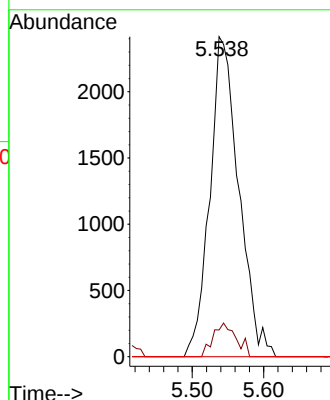
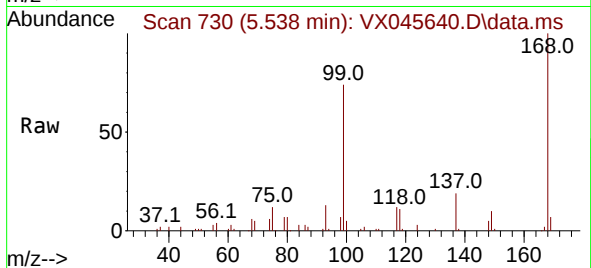
Tgt Ion: 75 Resp: 6798

Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.136 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045640.D

Acq: 08 Apr 2025 10:32

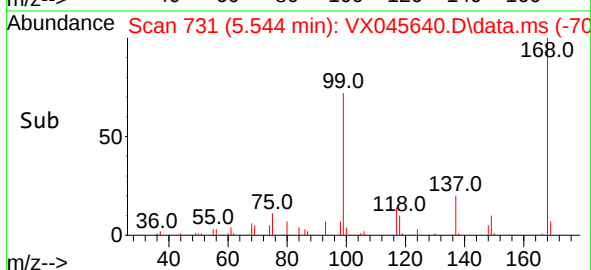
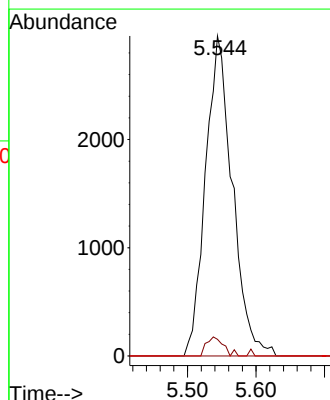
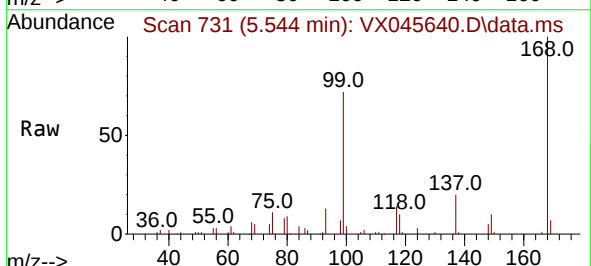
Tgt Ion: 117 Resp: 8056

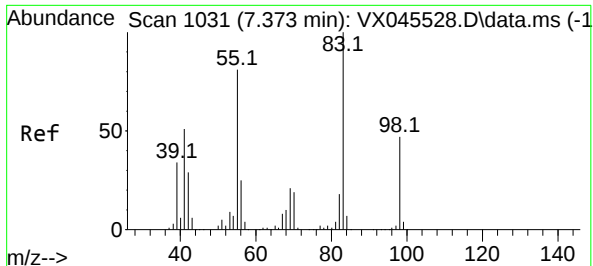
Ion Ratio Lower Upper

117 100

119 5.2 76.9 115.3#

121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 1.007 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.250 min

Lab File: VX045640.D

Acq: 08 Apr 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

RMW-02B-66-040425

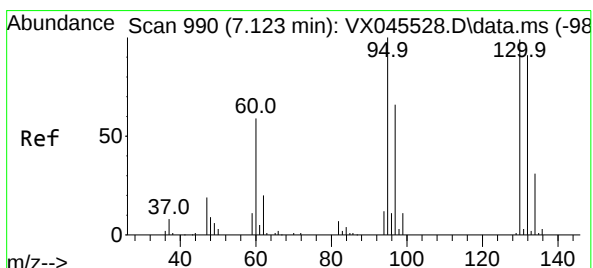
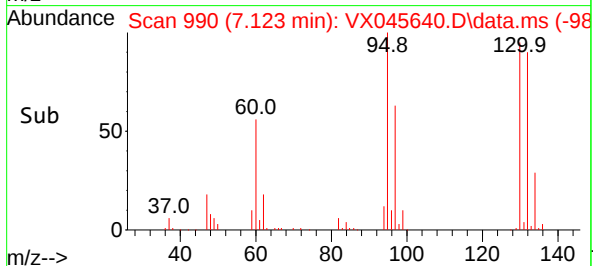
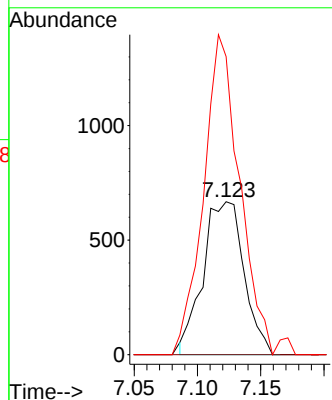
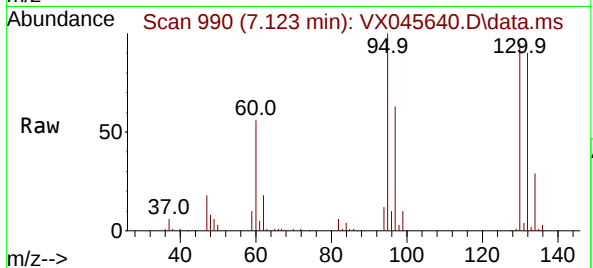
Tgt Ion: 83 Resp: 1500

Ion Ratio Lower Upper

83 100

55 0.0 64.9 97.3#

98 185.2 37.4 56.0#



#44

Trichloroethene

Concen: 117.179 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX045640.D

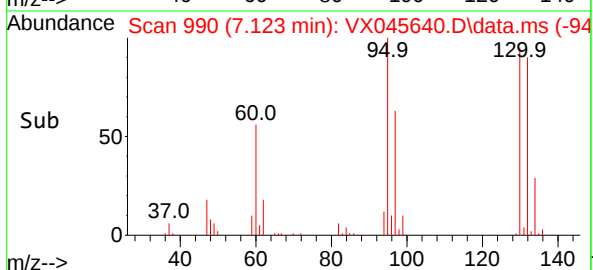
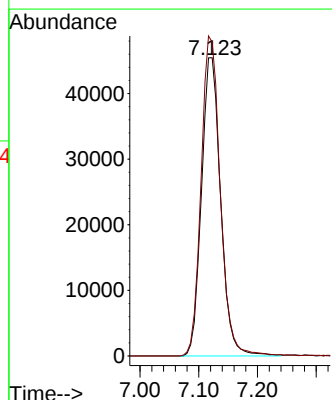
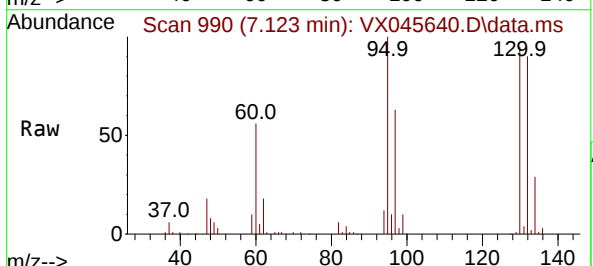
Acq: 08 Apr 2025 10:32

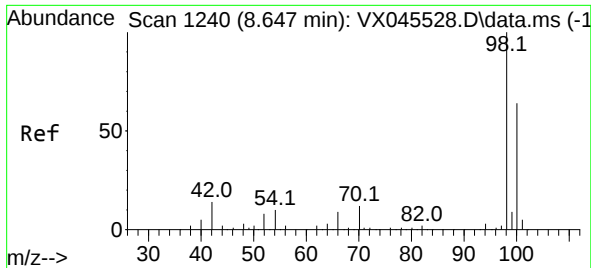
Tgt Ion:130 Resp: 103334

Ion Ratio Lower Upper

130 100

95 105.2 0.0 202.0

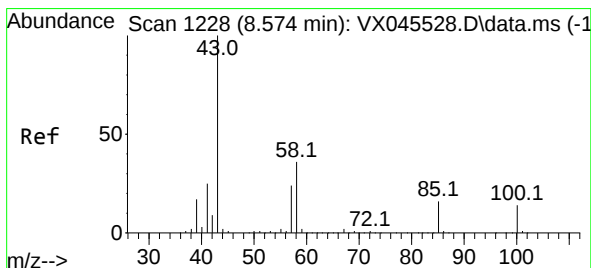
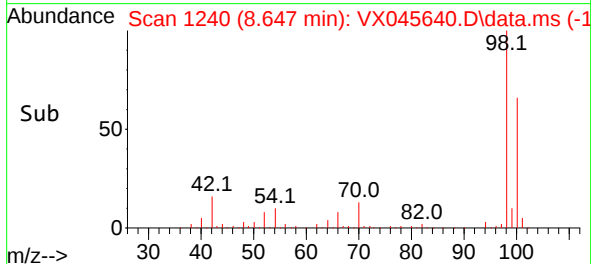
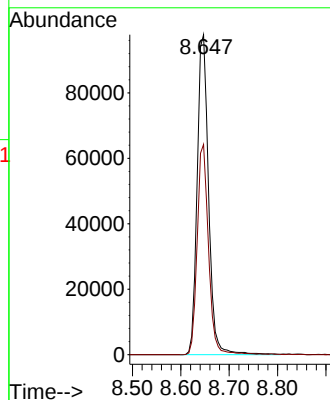
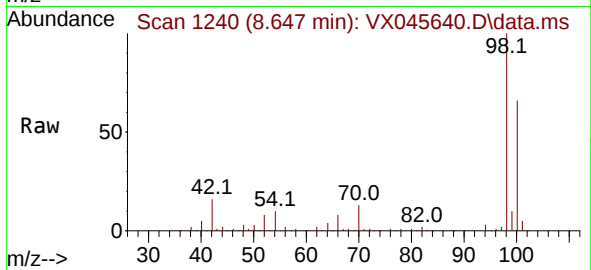




#50
Toluene-d8
Concen: 50.914 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

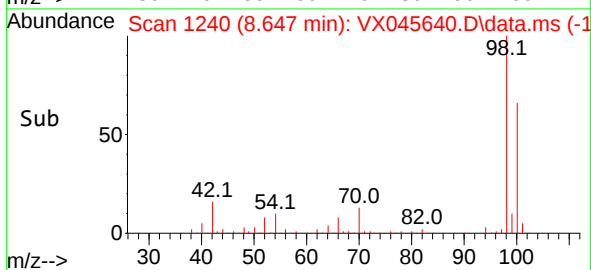
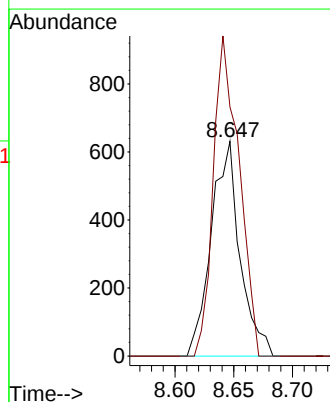
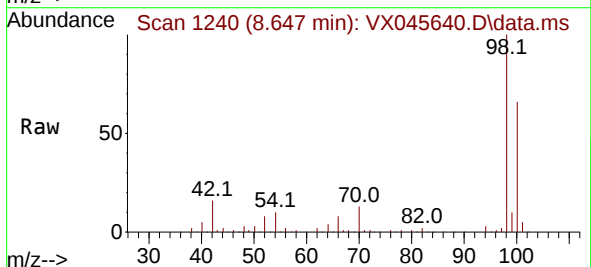
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-040425

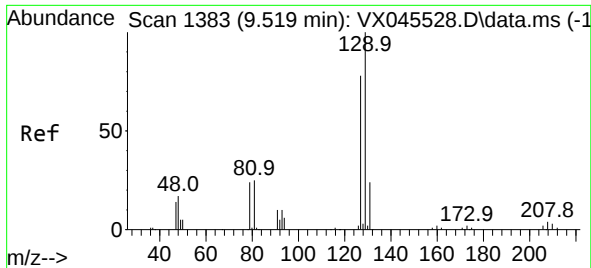
Tgt Ion: 98 Resp: 159892
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.698 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

Tgt Ion: 43 Resp: 1074
Ion Ratio Lower Upper
43 100
58 133.2 28.5 42.7#

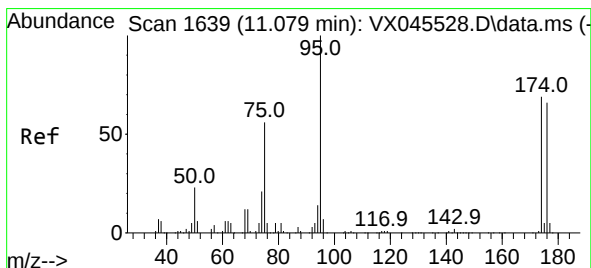
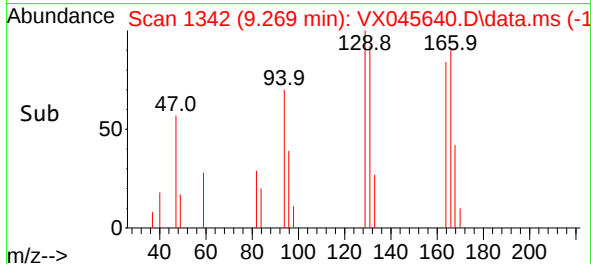
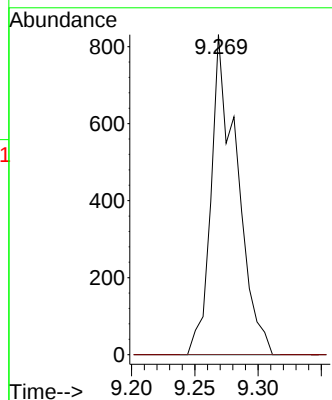
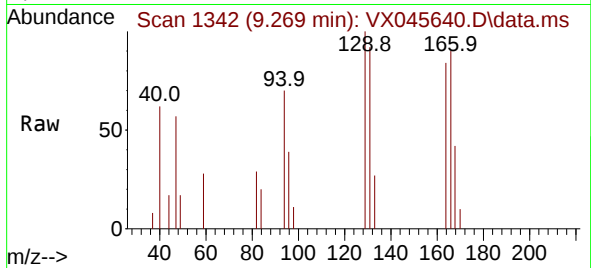




#60
Dibromochloromethane
Concen: 1.217 ug/l
RT: 9.269 min Scan# 1187
Delta R.T. -0.250 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

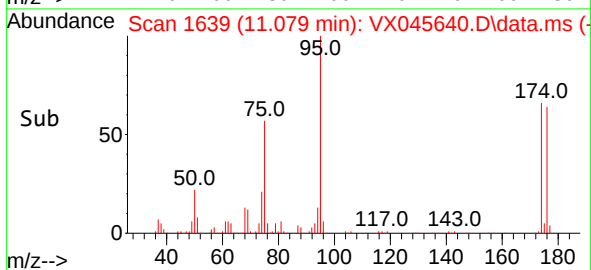
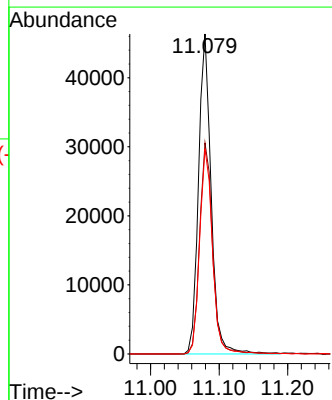
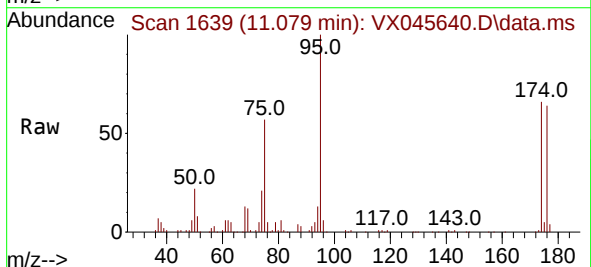
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-040425

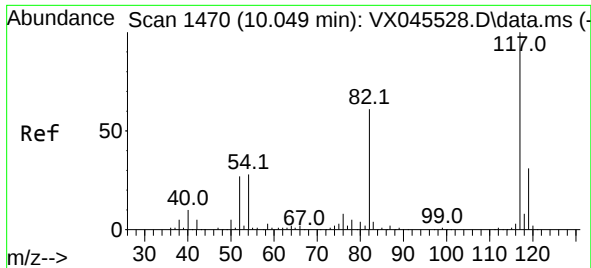
Tgt Ion:129 Resp: 1187
Ion Ratio Lower Upper
129 100
127 0.0 39.4 118.2#



#62
4-Bromofluorobenzene
Concen: 52.068 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

Tgt Ion: 95 Resp: 59561
Ion Ratio Lower Upper
95 100
174 67.5 0.0 135.8
176 65.4 0.0 131.4

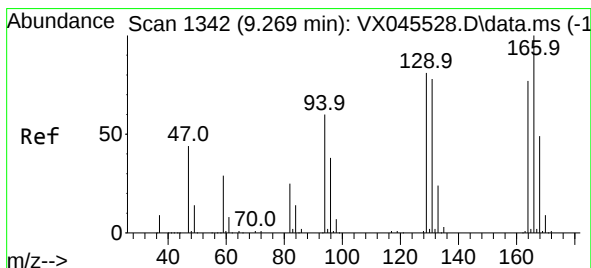
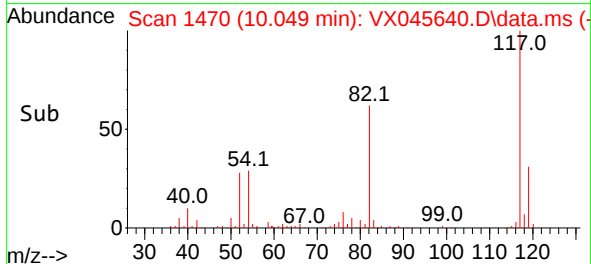
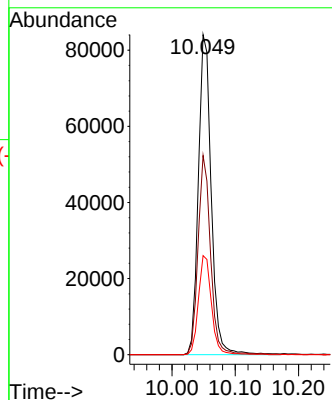
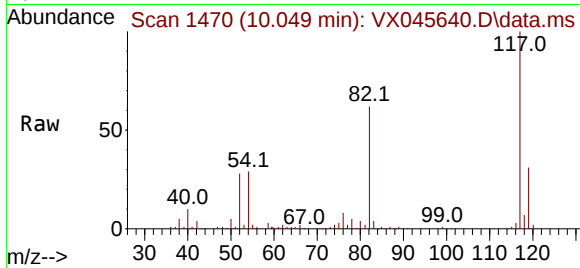




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

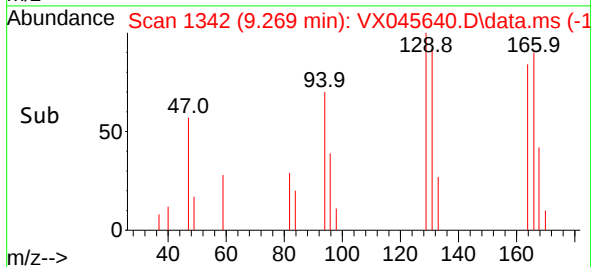
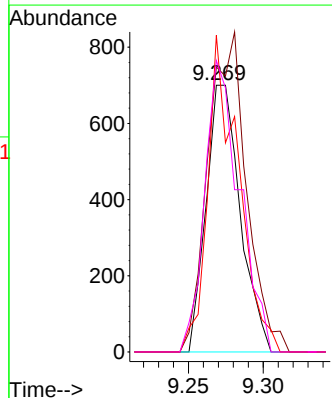
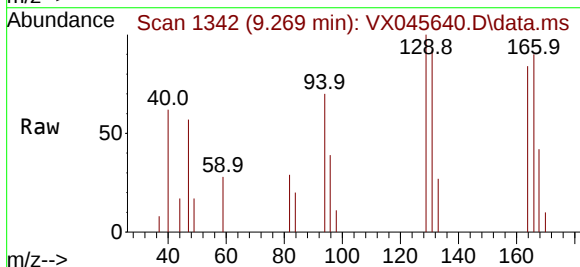
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-040425

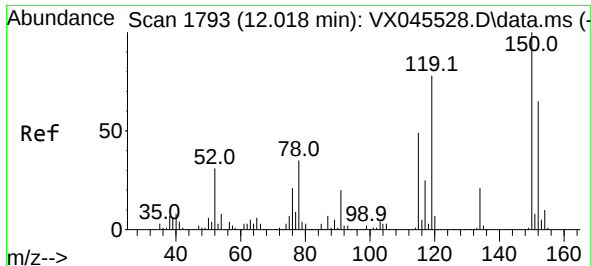
Tgt Ion:117 Resp: 119119
Ion Ratio Lower Upper
117 100
82 62.2 49.2 73.8
119 30.9 25.1 37.7



#64
Tetrachloroethene
Concen: 1.316 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

Tgt Ion:164 Resp: 1107
Ion Ratio Lower Upper
164 100
166 106.9 103.8 155.8
129 118.7 84.3 126.5
131 109.3 80.9 121.3

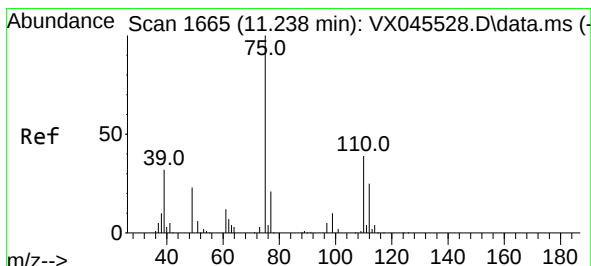
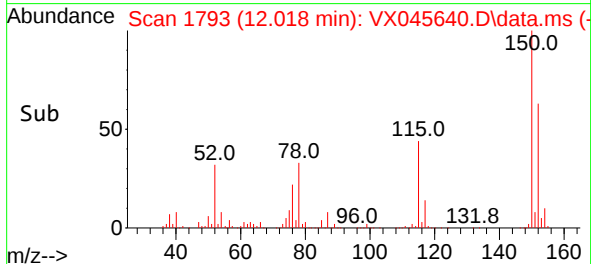
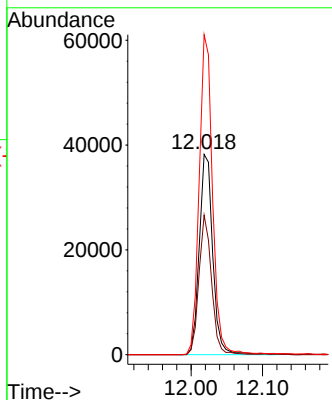
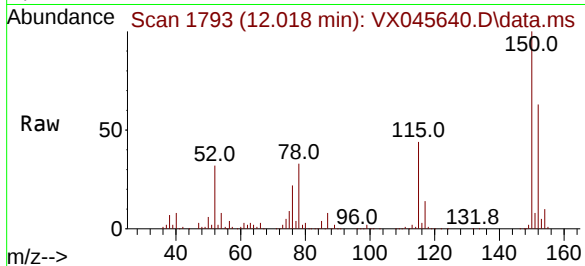




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX045640.D
 Acq: 08 Apr 2025 10:32

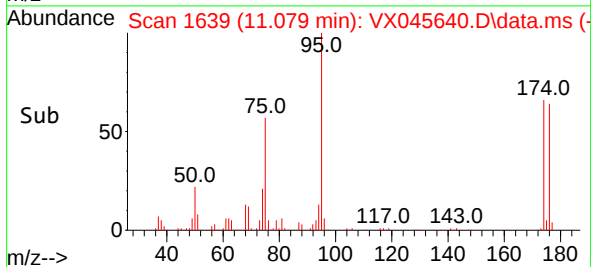
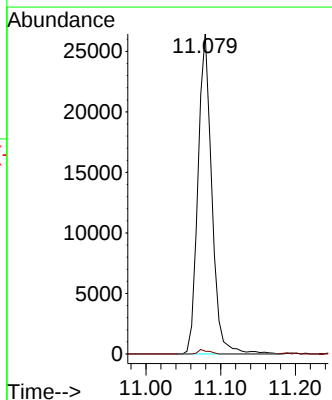
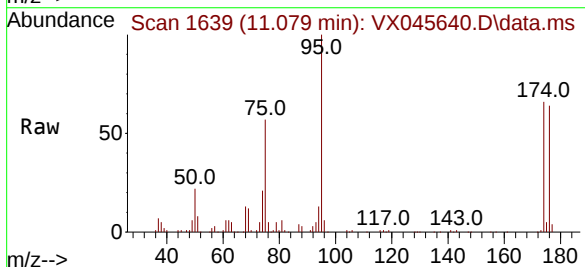
Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-02B-66-040425

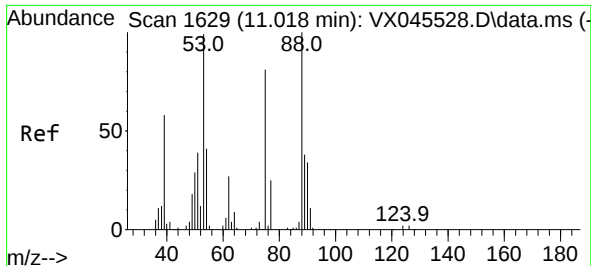
Tgt Ion:152 Resp: 50101
 Ion Ratio Lower Upper
 152 100
 115 65.2 46.9 140.7
 150 157.0 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 27.848 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX045640.D
 Acq: 08 Apr 2025 10:32

Tgt Ion: 75 Resp: 34032
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.0 59.9#

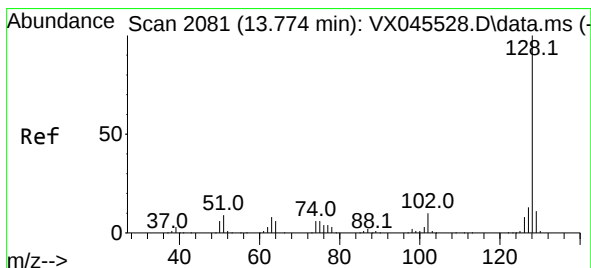
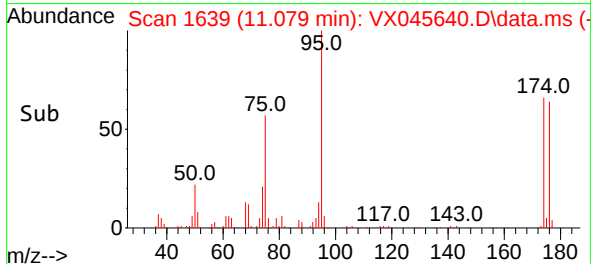
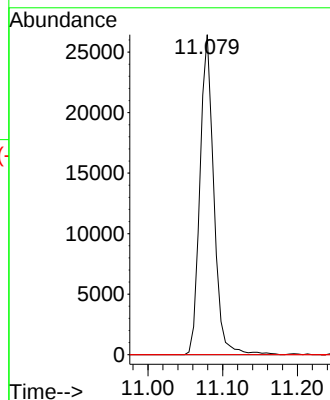
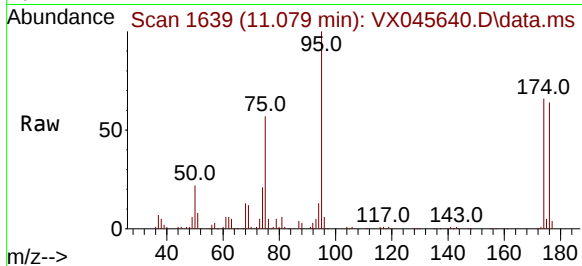




#81
trans-1,4-Dichloro-2-butene
Concen: 94.511 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

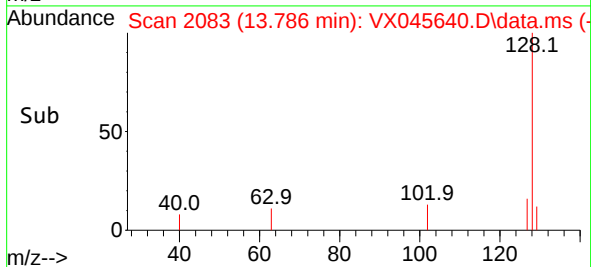
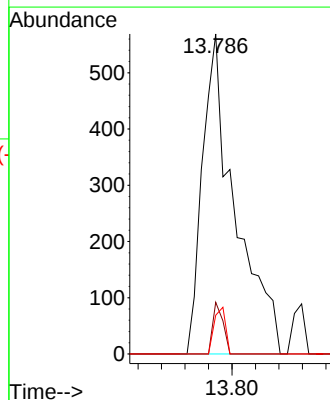
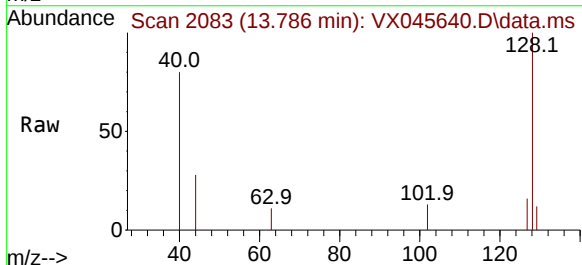
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-040425

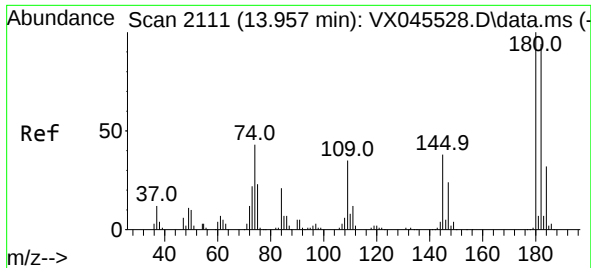
Tgt Ion: 75 Resp: 34032
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.316 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX045640.D
Acq: 08 Apr 2025 10:32

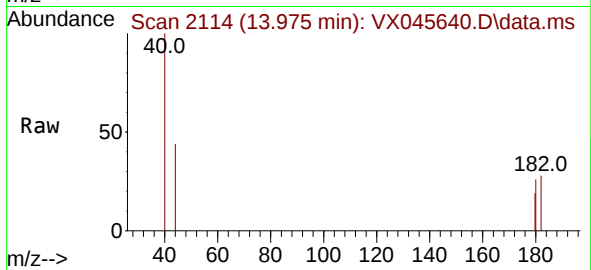
Tgt Ion: 128 Resp: 1097
Ion Ratio Lower Upper
128 100
127 5.0 10.3 15.5#
129 5.1 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.241 ug/l
 RT: 13.975 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VX045640.D
 Acq: 08 Apr 2025 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-02B-66-040425



Tgt Ion:	180	Resp:	236
Ion	Ratio	Lower	Upper
180	100		
182	108.5	47.3	141.8
145	36.9	18.2	54.6

