

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046498.D
 Acq On : 04 Jun 2025 14:15
 Operator : JC/MD
 Sample : Q2200-01DL 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-02B-66-060325DL

Quant Time: Jun 05 01:54:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

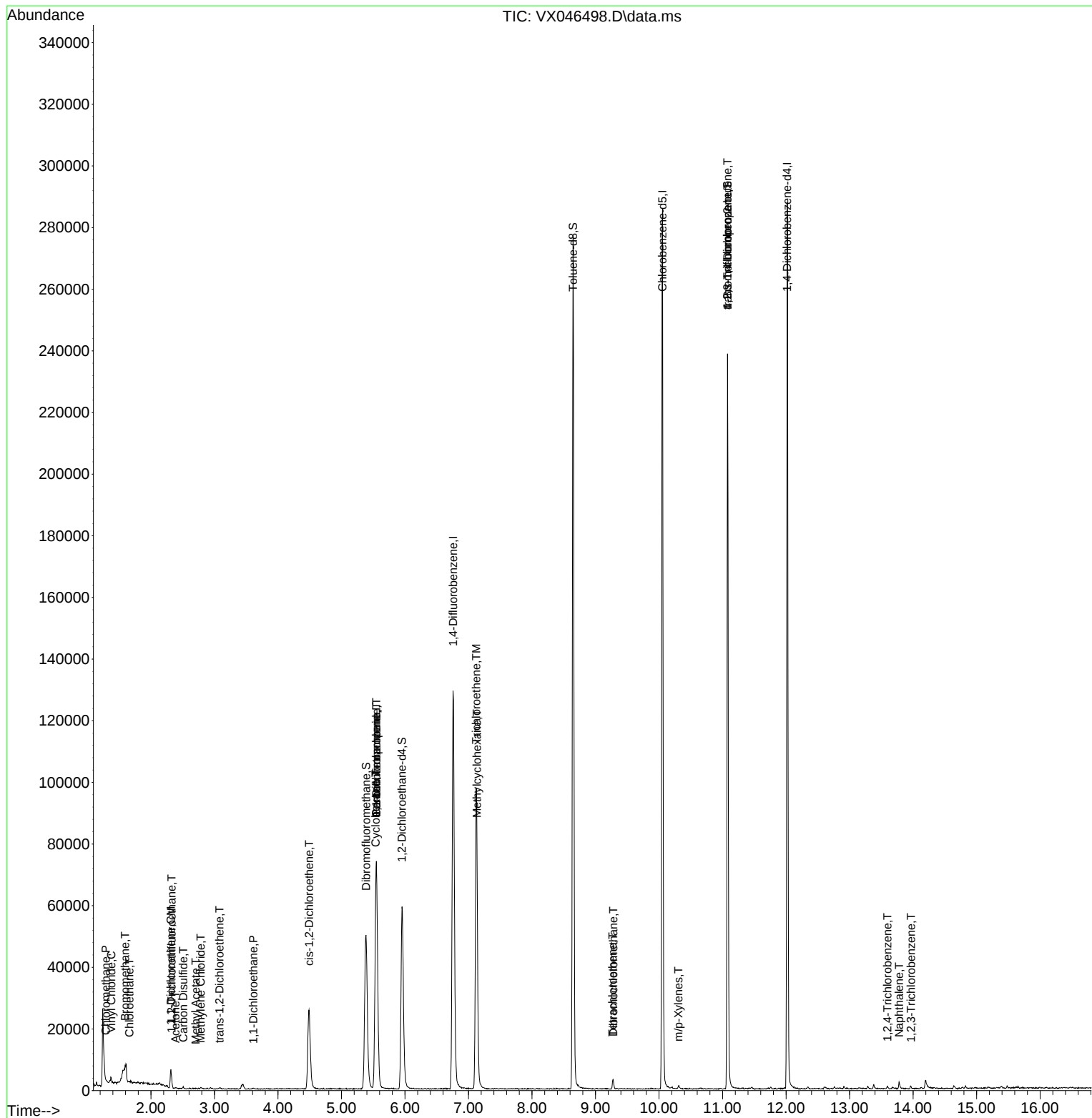
Internal Standards						
1) Pentafluorobenzene	5.550	168	62989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125027	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60283	51.335	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.660%	
35) Dibromofluoromethane	5.385	113	45387	50.412	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.820%	
50) Toluene-d8	8.646	98	155704	49.967	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.940%	
62) 4-Bromofluorobenzene	11.079	95	63770	53.350	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.700%	
Target Compounds						
						Qvalue
3) Chloromethane	1.288	50	257	0.275	ug/l #	43
4) Vinyl Chloride	1.373	62	716	0.823	ug/l	98
5) Bromomethane	1.593	94	122	0.302	ug/l	81
6) Chloroethane	1.660	64	143	0.308	ug/l #	64
9) 1,1,2-Trichlorotrifluo...	2.324	101	438	0.550	ug/l	96
12) 1,1-Dichloroethene	2.312	96	1603	2.146	ug/l #	91
16) Acetone	2.385	43	475	1.009	ug/l #	48
17) Carbon Disulfide	2.507	76	633	0.357	ug/l #	76
18) Methyl Acetate	2.702	43	302	0.276	ug/l #	55
20) Methylene Chloride	2.782	84	245	0.272	ug/l #	78
21) trans-1,2-Dichloroethene	3.080	96	153	0.204	ug/l	82
24) 1,1-Dichloroethane	3.611	63	487	0.317	ug/l #	82
27) cis-1,2-Dichloroethene	4.489	96	15418	17.051	ug/l	88
31) Cyclohexane	5.537	56	1721	1.230	ug/l #	46
36) 1,1-Dichloropropene	5.550	75	6259	5.174	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7412	5.453	ug/l #	17
39) Methylcyclohexane	7.135	83	556	0.357	ug/l #	1
44) Trichloroethene	7.122	130	36397	42.679	ug/l	97
60) Dibromochloromethane	9.281	129	530	0.563	ug/l #	10
64) Tetrachloroethene	9.268	164	517	0.616	ug/l	91
68) m/p-Xylenes	10.305	106	396	0.236	ug/l	86
76) 1,2,3-Trichloropropane	11.079	75	35640	27.604	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35640	89.870	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.597	180	278	0.273	ug/l	92
95) Naphthalene	13.780	128	1812	0.484	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.969	180	339	0.322	ug/l	94

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

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Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

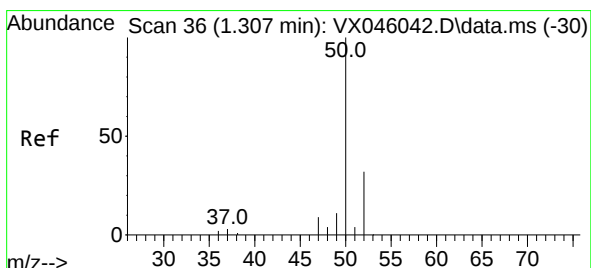
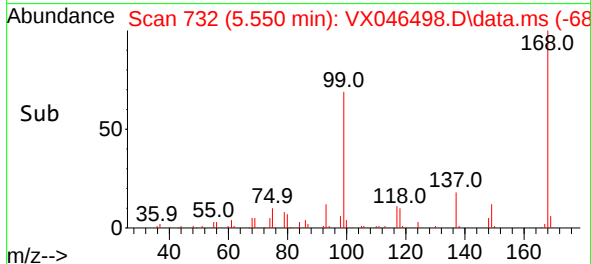
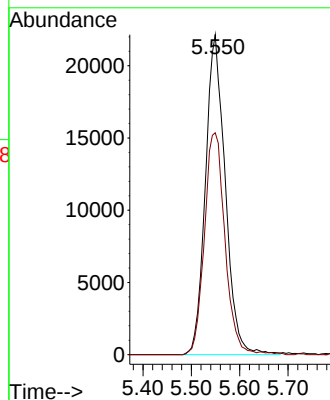
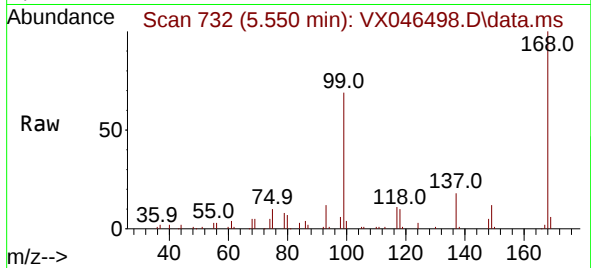




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

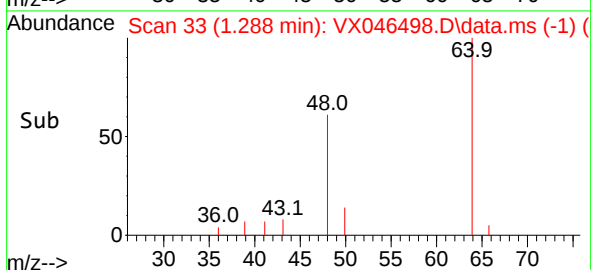
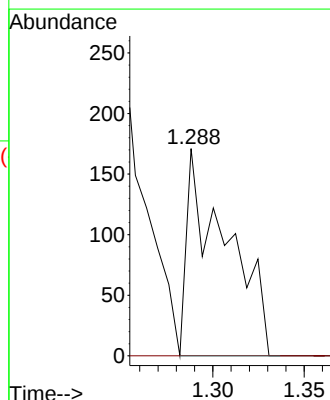
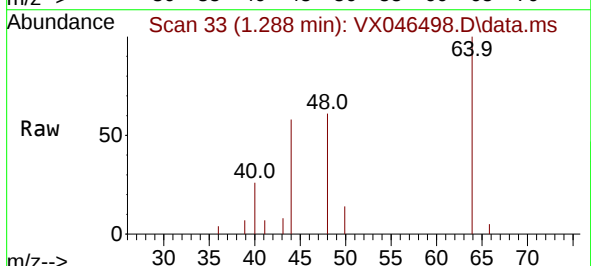
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-060325DL

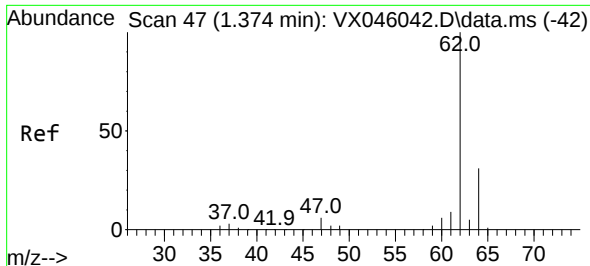
Tgt Ion:168 Resp: 62989
Ion Ratio Lower Upper
168 100
99 69.3 54.9 82.3



#3
Chloromethane
Concen: 0.275 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.019 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

Tgt Ion: 50 Resp: 257
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

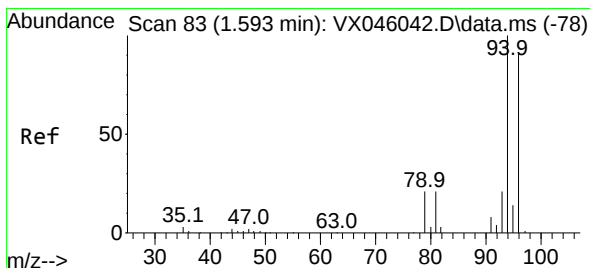
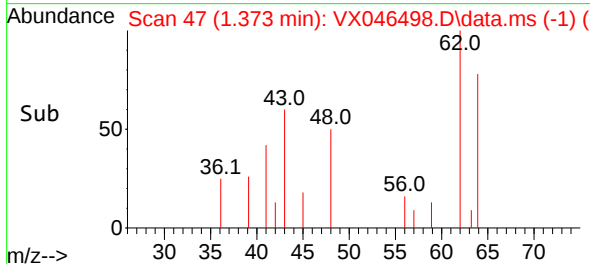
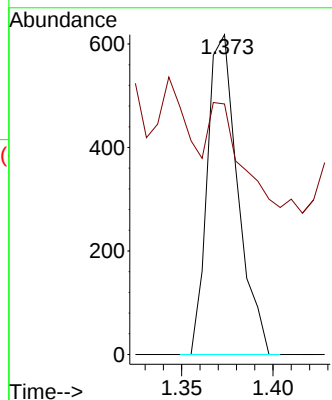
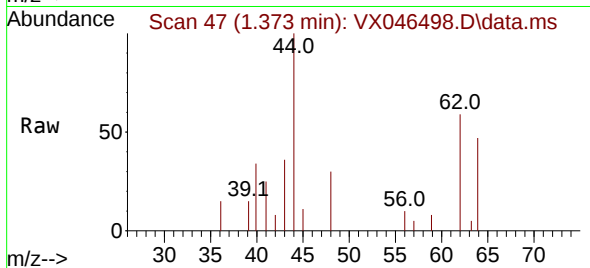




#4
 Vinyl Chloride
 Concen: 0.823 ug/l
 RT: 1.373 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX046498.D
 Acq: 04 Jun 2025 14:15

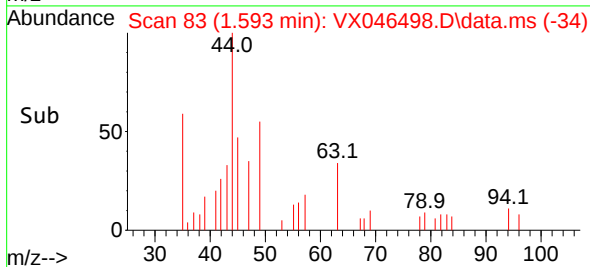
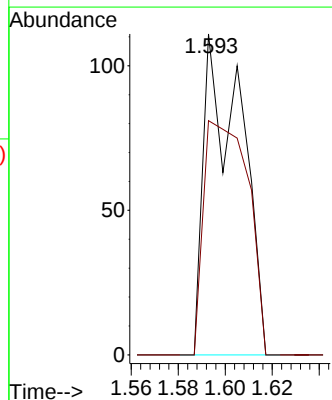
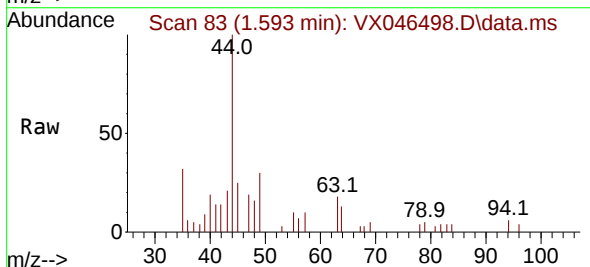
Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-02B-66-060325DL

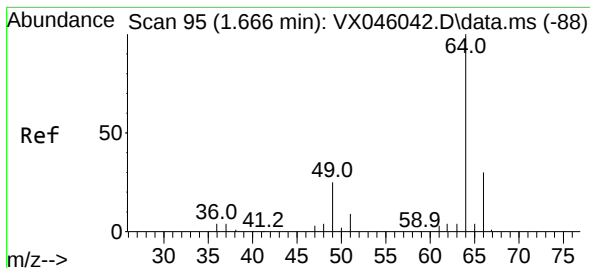
Tgt Ion: 62 Resp: 716
 Ion Ratio Lower Upper
 62 100
 64 32.4 25.2 37.8



#5
 Bromomethane
 Concen: 0.302 ug/l
 RT: 1.593 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VX046498.D
 Acq: 04 Jun 2025 14:15

Tgt Ion: 94 Resp: 122
 Ion Ratio Lower Upper
 94 100
 96 73.0 72.8 109.2

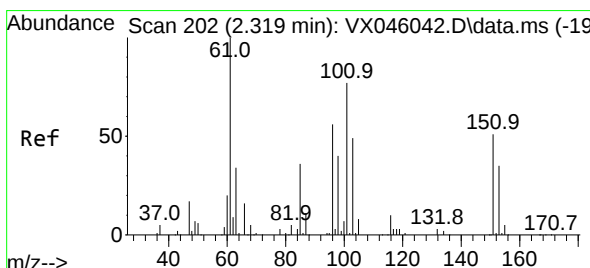
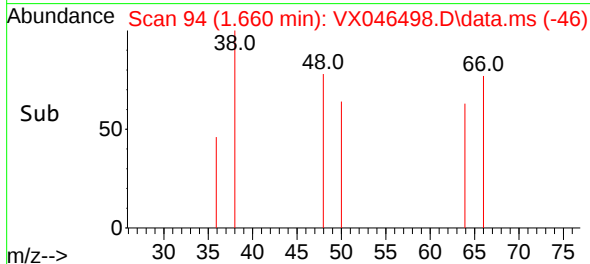
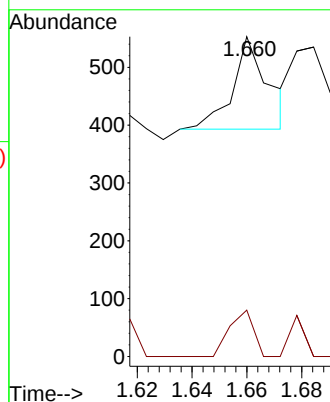
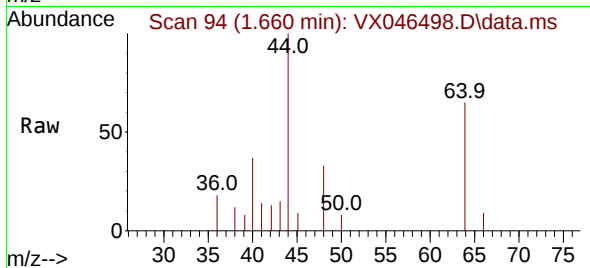




#6
Chloroethane
Concen: 0.308 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

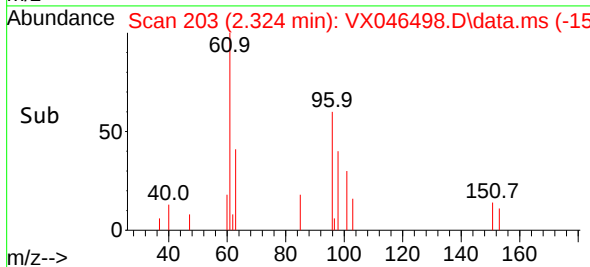
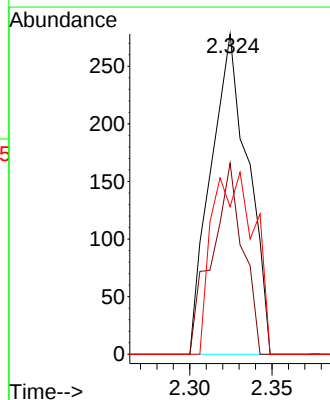
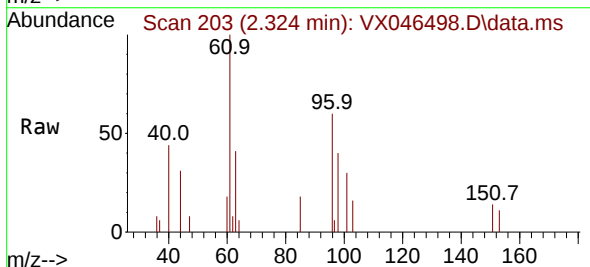
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-060325DL

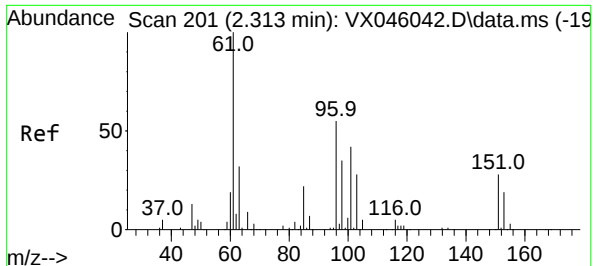
Tgt Ion: 64 Resp: 143
Ion Ratio Lower Upper
64 100
66 50.0 24.3 36.5#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.550 ug/l
RT: 2.324 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

Tgt Ion: 101 Resp: 438
Ion Ratio Lower Upper
101 100
85 49.8 38.6 58.0
151 64.8 55.2 82.8





#12

1,1-Dichloroethene

Concen: 2.146 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX046498.D

Acq: 04 Jun 2025 14:15

Instrument :

MSVOA_X

ClientSampleId :

RMW-02B-66-060325DL

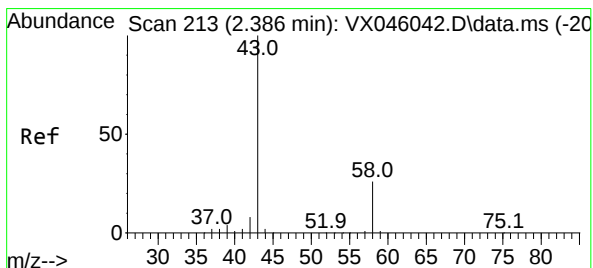
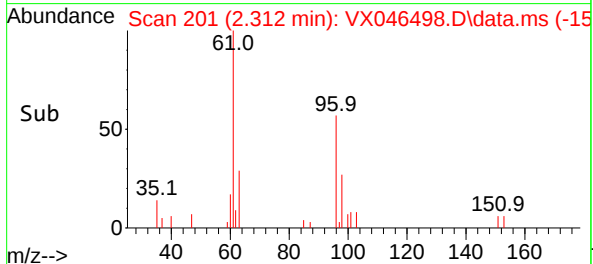
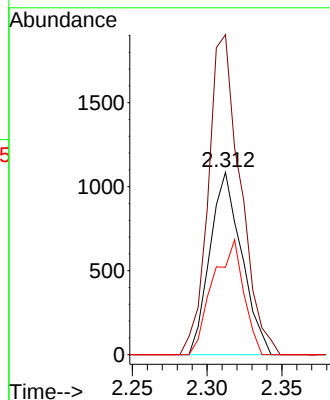
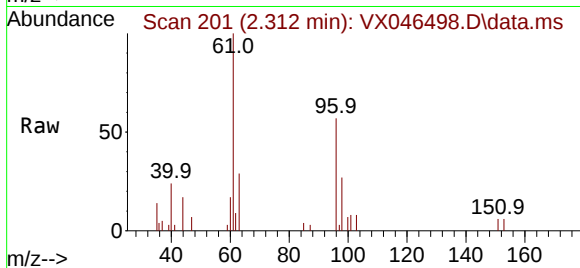
Tgt Ion: 96 Resp: 1603

Ion Ratio Lower Upper

96 100

61 175.4 146.2 219.2

98 47.9 51.0 76.6#



#16

Acetone

Concen: 1.009 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX046498.D

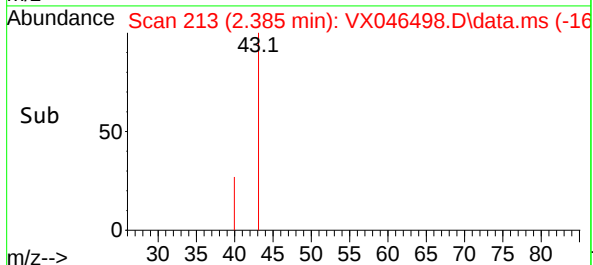
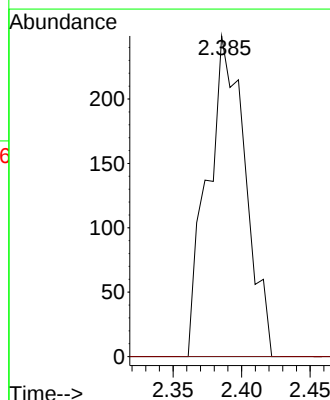
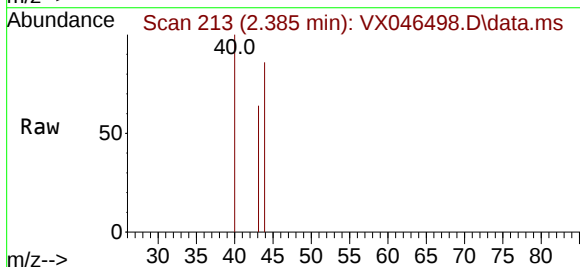
Acq: 04 Jun 2025 14:15

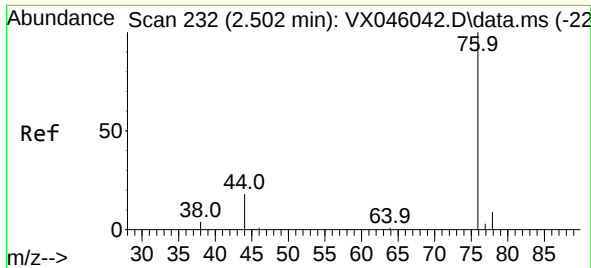
Tgt Ion: 43 Resp: 475

Ion Ratio Lower Upper

43 100

58 0.0 21.2 31.8#

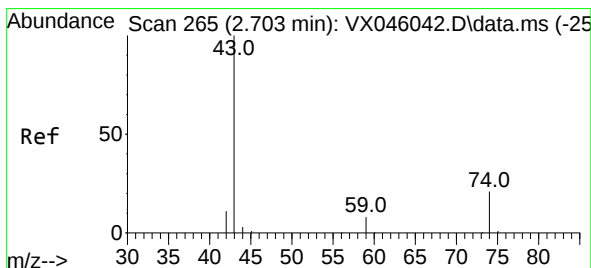
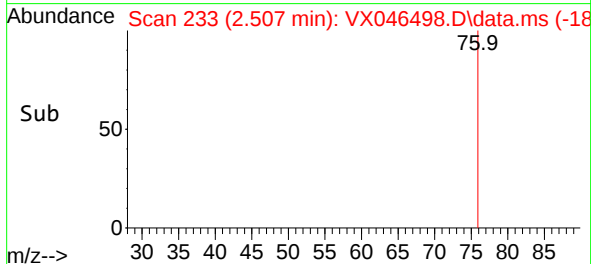
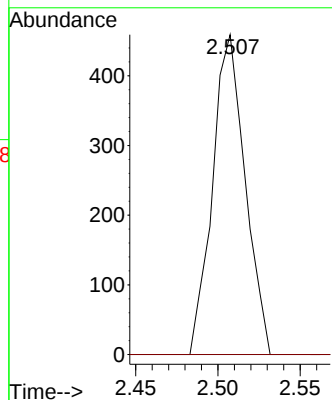
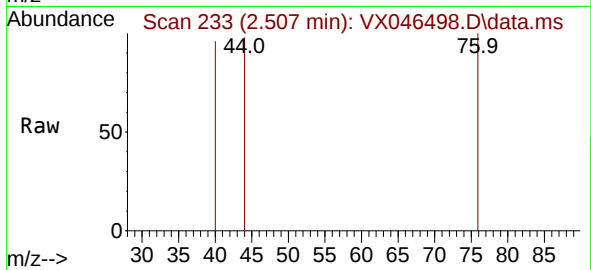




#17
Carbon Disulfide
Concen: 0.357 ug/l
RT: 2.507 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

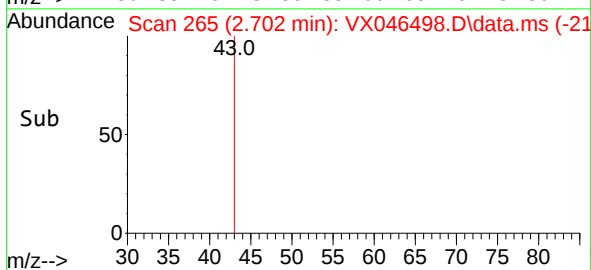
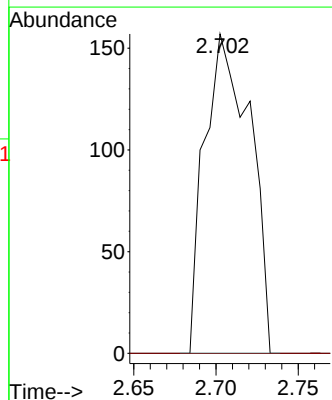
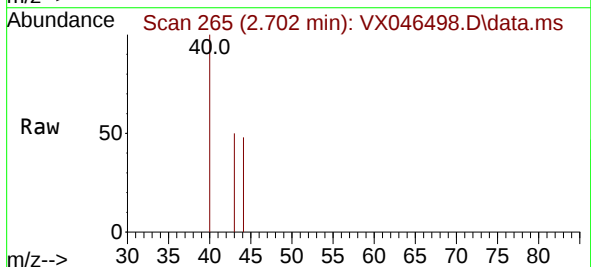
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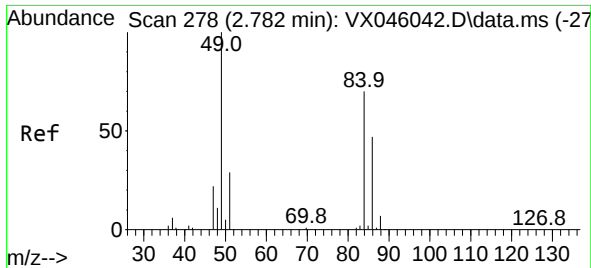
Tgt Ion: 76 Resp: 633
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 0.276 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

Tgt Ion: 43 Resp: 302
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

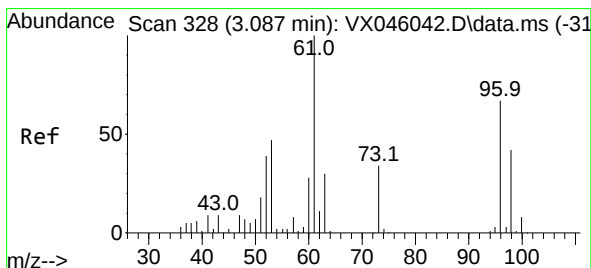
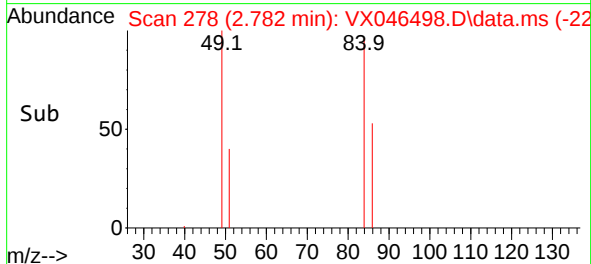
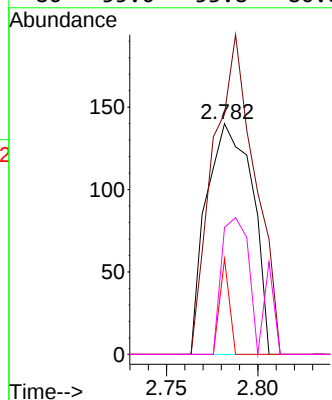
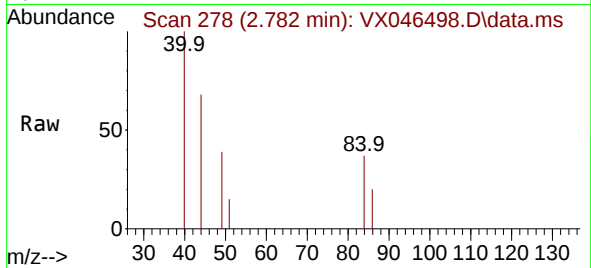




#20
Methylene Chloride
Concen: 0.272 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

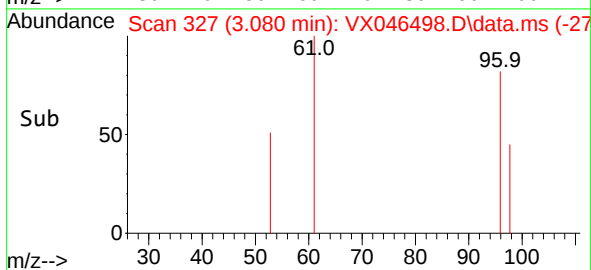
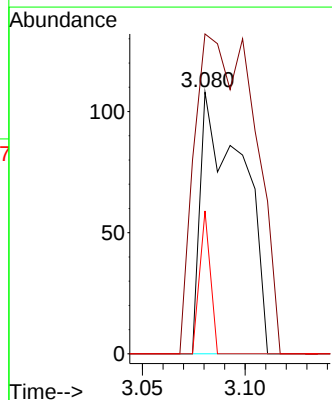
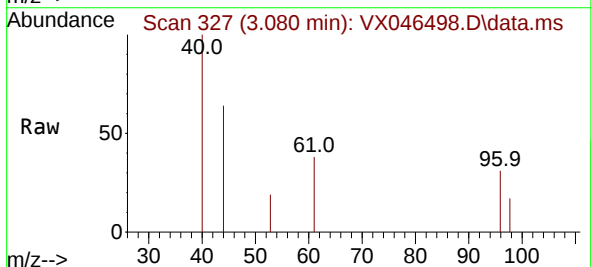
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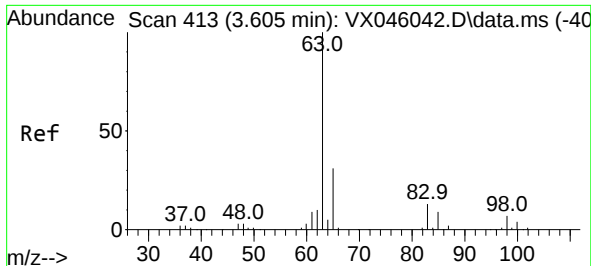
Tgt Ion:	84	Resp:	245
Ion	Ratio	Lower	Upper
84	100		
49	104.3	113.9	170.9#
51	41.4	33.5	50.3
86	55.0	53.8	80.8



#21
trans-1,2-Dichloroethene
Concen: 0.204 ug/l
RT: 3.080 min Scan# 327
Delta R.T. -0.006 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

Tgt Ion:	96	Resp:	153
Ion	Ratio	Lower	Upper
96	100		
61	122.2	119.5	179.3
98	54.6	50.0	75.0

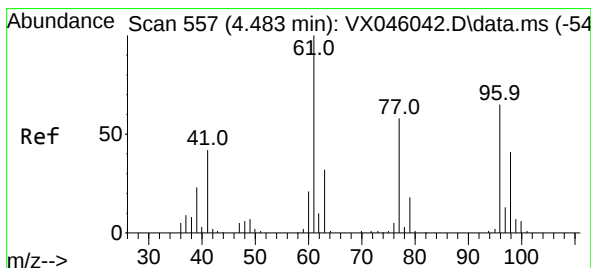
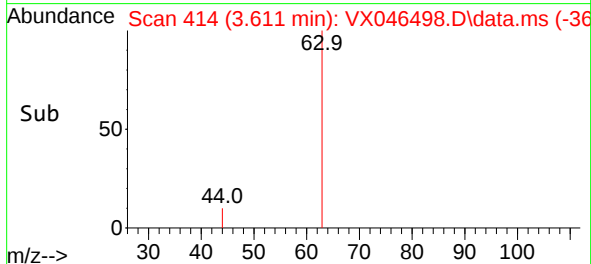
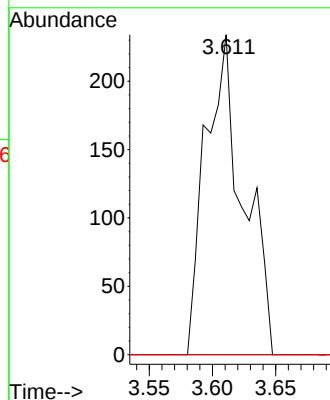
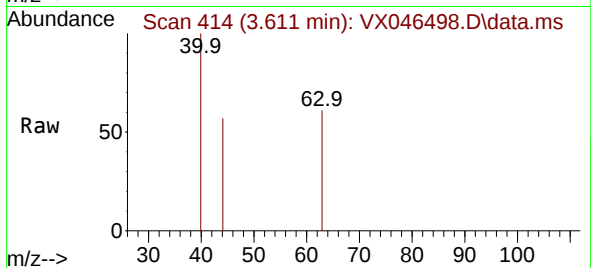




#24
1,1-Dichloroethane
Concen: 0.317 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

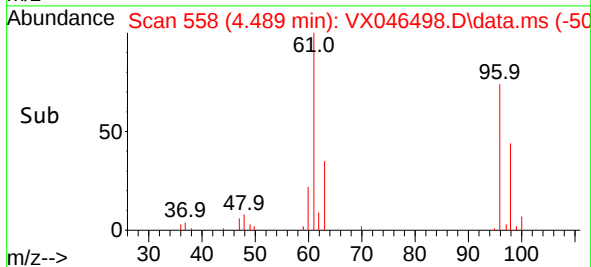
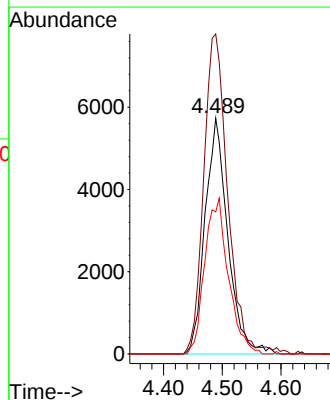
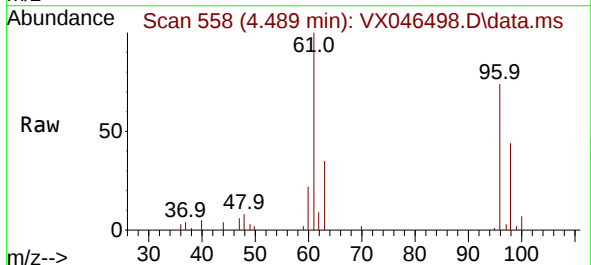
Instrument :
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RMW-02B-66-060325DL

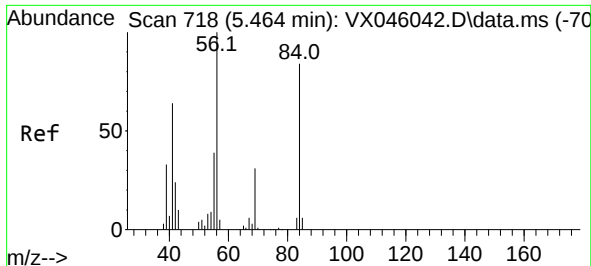
Tgt Ion: 63 Resp: 487
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.8#
100 0.0 2.1 6.3#



#27
cis-1,2-Dichloroethene
Concen: 17.051 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

Tgt Ion: 96 Resp: 15418
Ion Ratio Lower Upper
96 100
61 141.3 0.0 322.8
98 68.6 0.0 129.0

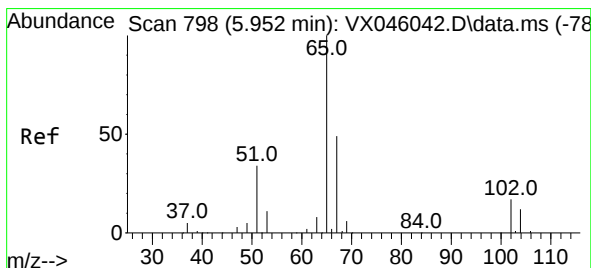
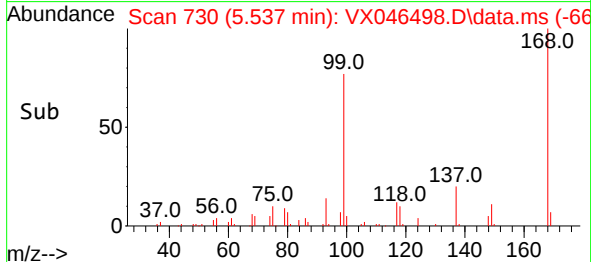
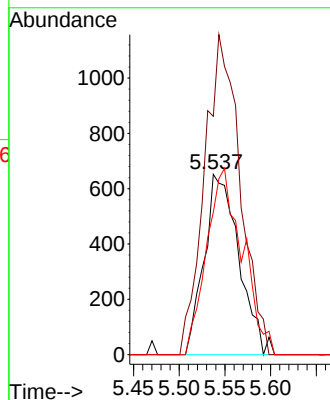
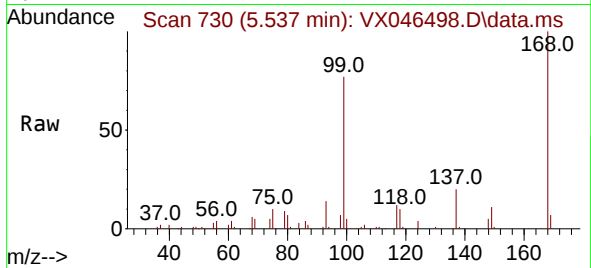




#31
Cyclohexane
Concen: 1.230 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

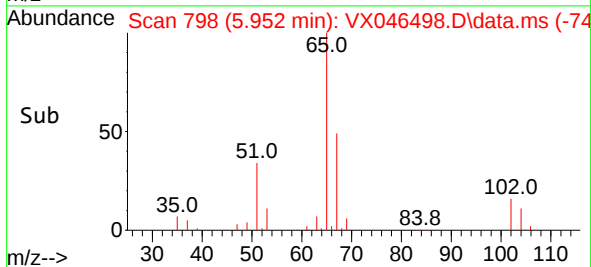
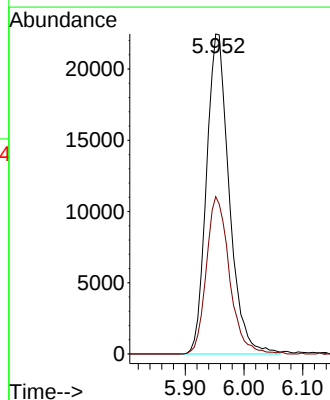
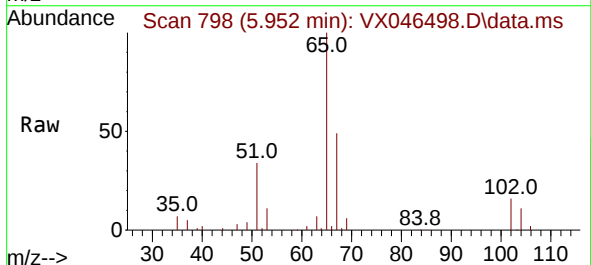
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-060325DL

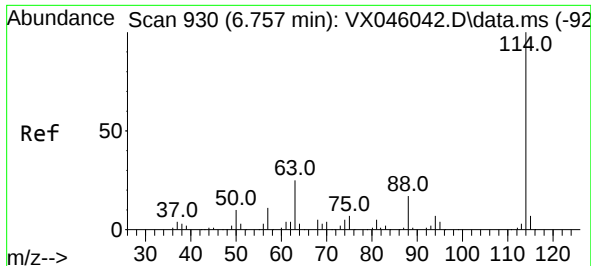
Tgt Ion: 56 Resp: 1721
Ion Ratio Lower Upper
56 100
69 132.2 24.4 36.6#
84 79.0 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 51.335 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

Tgt Ion: 65 Resp: 60283
Ion Ratio Lower Upper
65 100
67 50.0 0.0 99.0

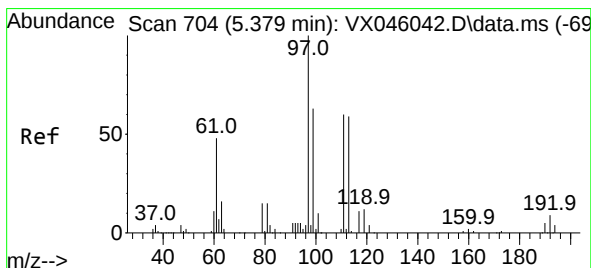
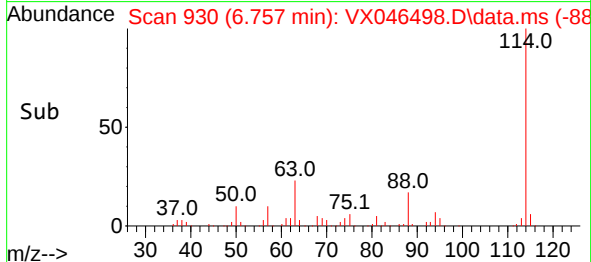
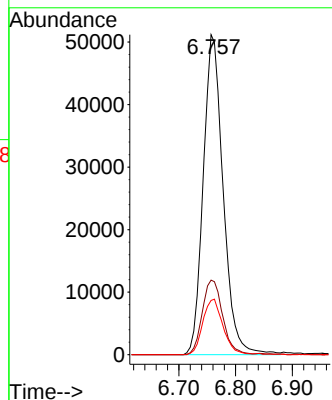
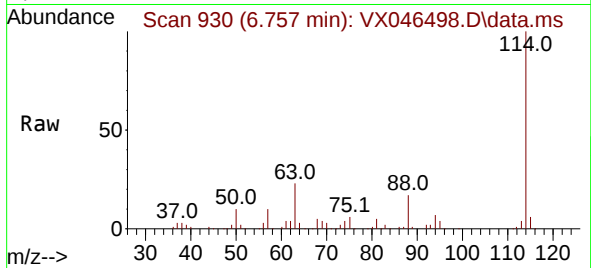




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

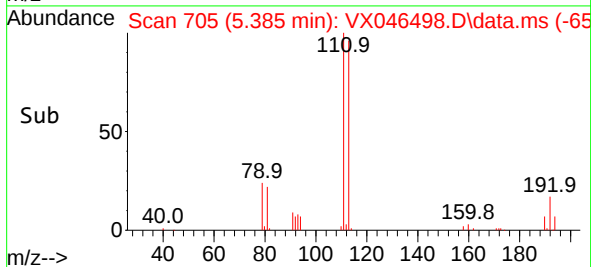
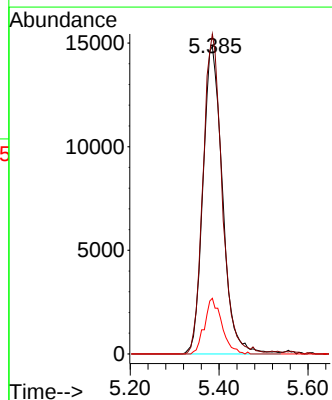
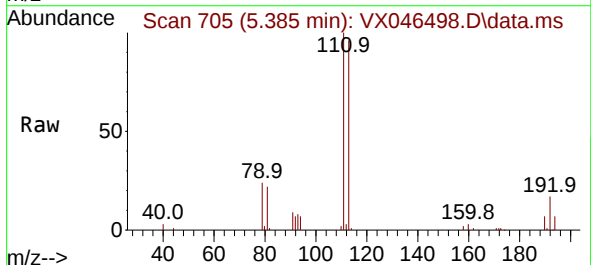
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-060325DL

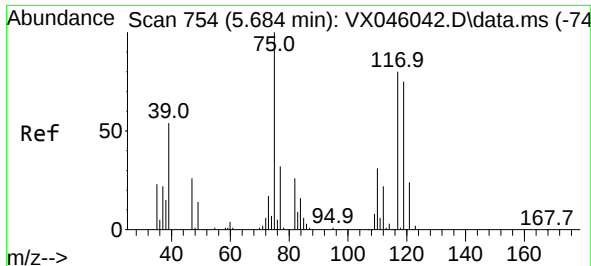
Tgt Ion:114	Resp:	125027
Ion	Ratio	Lower Upper
114	100	
63	23.3	0.0 49.2
88	17.0	0.0 33.6



#35
Dibromofluoromethane
Concen: 50.412 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

Tgt Ion:113	Resp:	45387
Ion	Ratio	Lower Upper
113	100	
111	101.3	83.1 124.7
192	16.1	13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.174 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX046498.D

Acq: 04 Jun 2025 14:15

Instrument :

MSVOA_X

ClientSampleId :

RMW-02B-66-060325DL

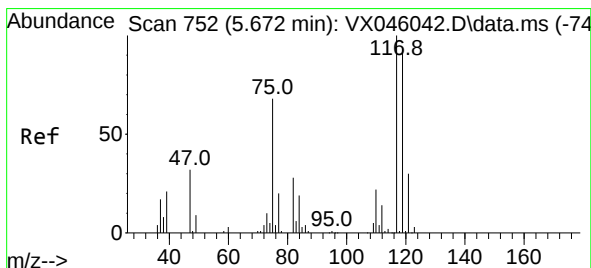
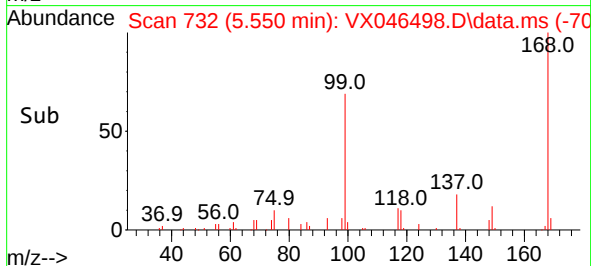
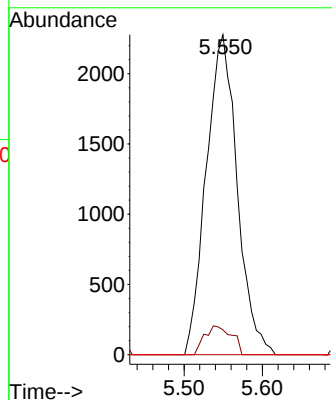
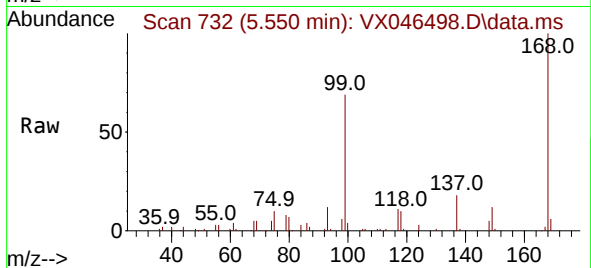
Tgt Ion: 75 Resp: 6259

Ion Ratio Lower Upper

75 100

110 7.9 16.3 48.9#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.453 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX046498.D

Acq: 04 Jun 2025 14:15

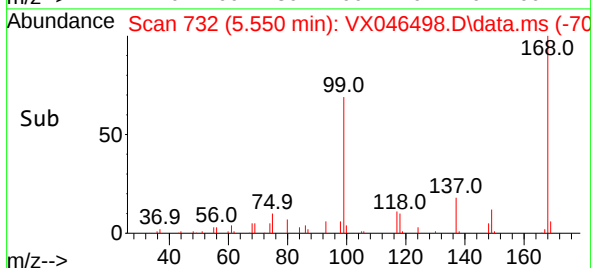
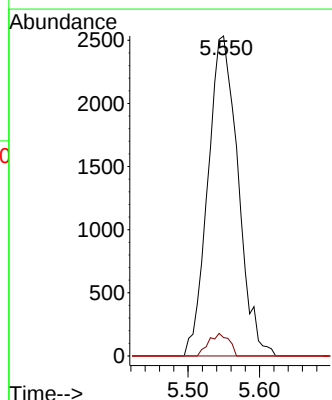
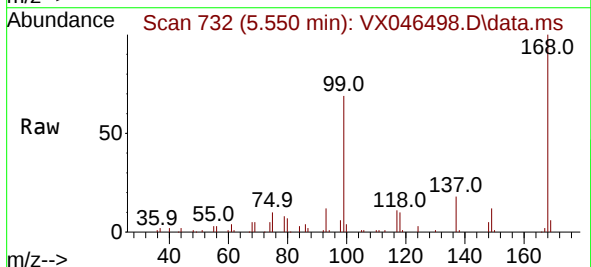
Tgt Ion: 117 Resp: 7412

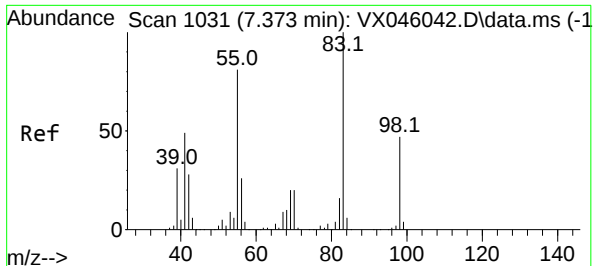
Ion Ratio Lower Upper

117 100

119 5.8 75.2 112.8#

121 0.0 24.2 36.4#





#39

Methylcyclohexane

Concen: 0.357 ug/l

RT: 7.135 min Scan# 991

Delta R.T. -0.238 min

Lab File: VX046498.D

Acq: 04 Jun 2025 14:15

Instrument :

MSVOA_X

ClientSampleId :

RMW-02B-66-060325DL

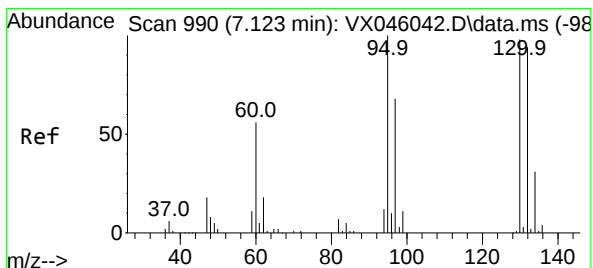
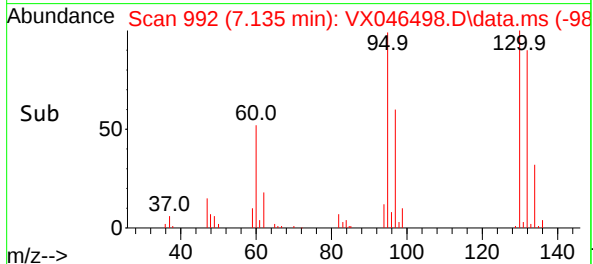
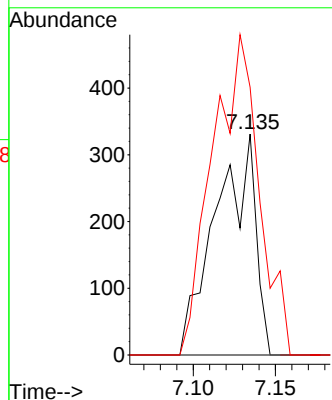
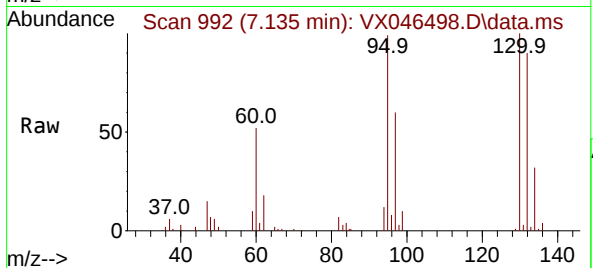
Tgt Ion: 83 Resp: 556

Ion Ratio Lower Upper

83 100

55 0.0 64.7 97.1#

98 121.1 37.4 56.2#



#44

Trichloroethene

Concen: 42.679 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX046498.D

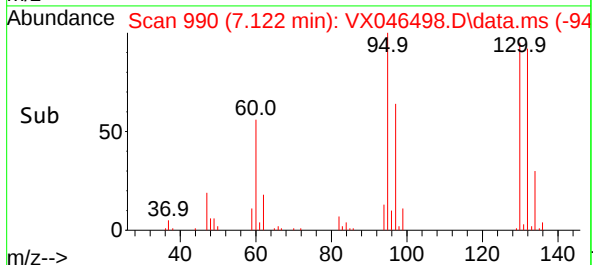
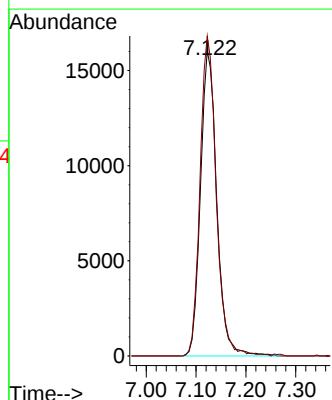
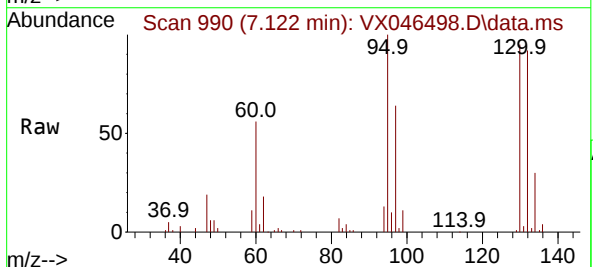
Acq: 04 Jun 2025 14:15

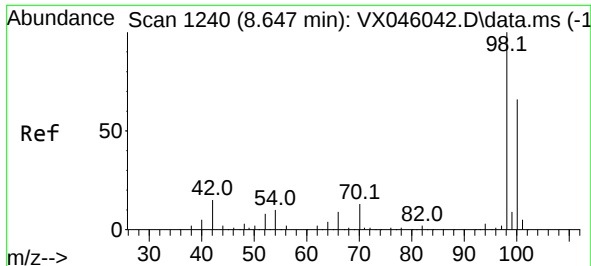
Tgt Ion:130 Resp: 36397

Ion Ratio Lower Upper

130 100

95 104.8 0.0 204.2

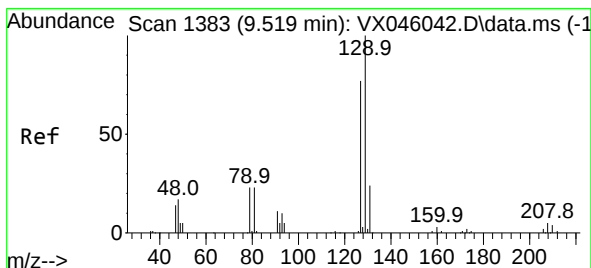
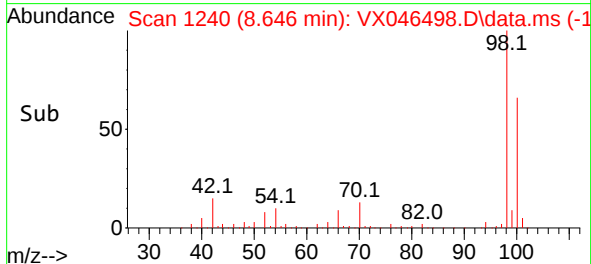
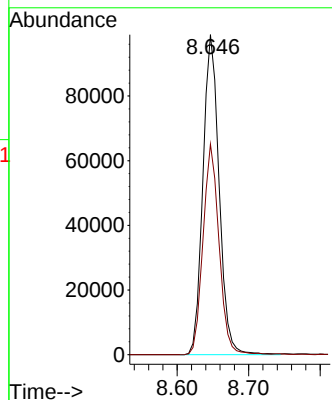
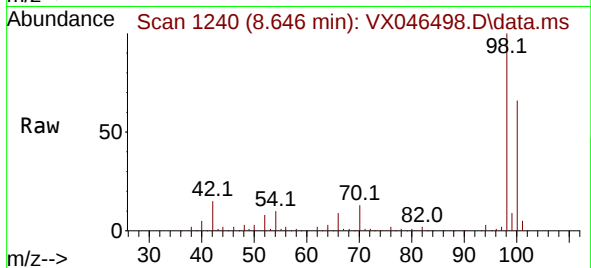




#50
Toluene-d8
Concen: 49.967 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

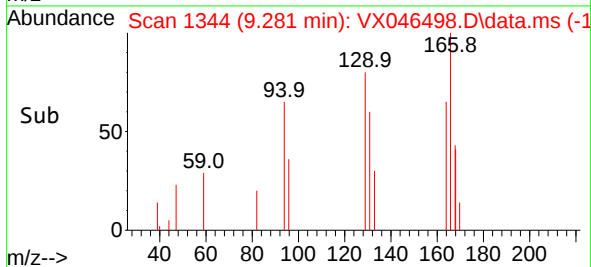
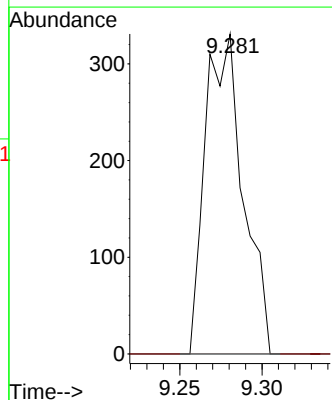
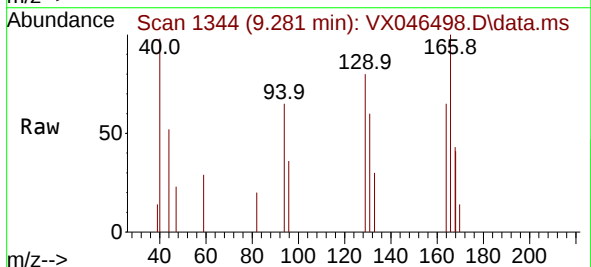
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-060325DL

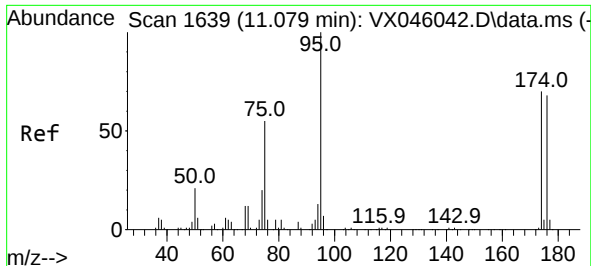
Tgt Ion: 98 Resp: 155704
Ion Ratio Lower Upper
98 100
100 65.0 53.5 80.3



#60
Dibromochloromethane
Concen: 0.563 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.238 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

Tgt Ion:129 Resp: 530
Ion Ratio Lower Upper
129 100
127 0.0 39.3 117.8#

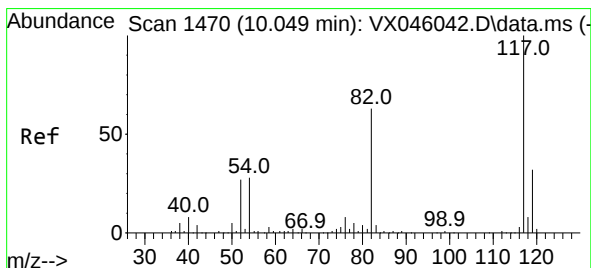
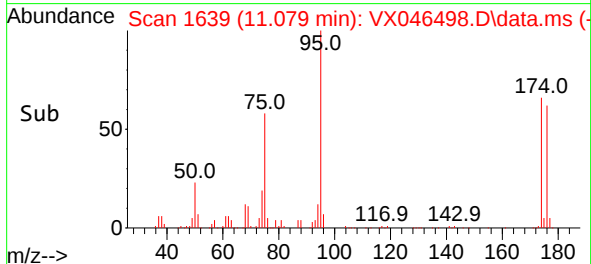
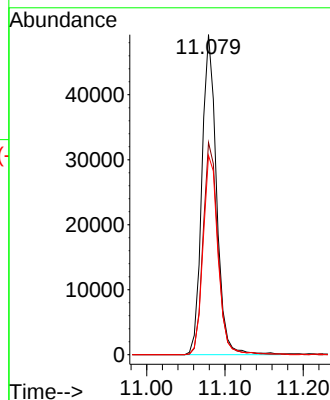
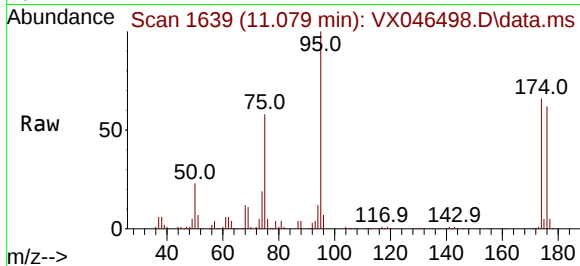




#62
4-Bromofluorobenzene
Concen: 53.350 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

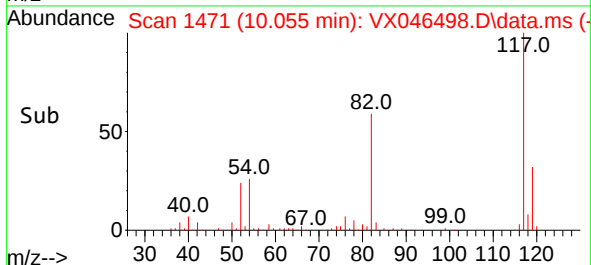
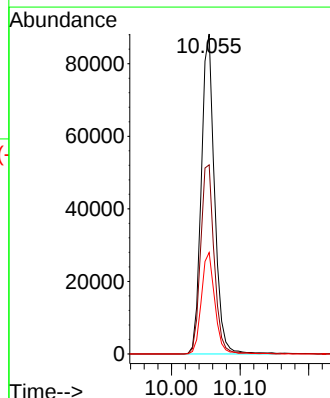
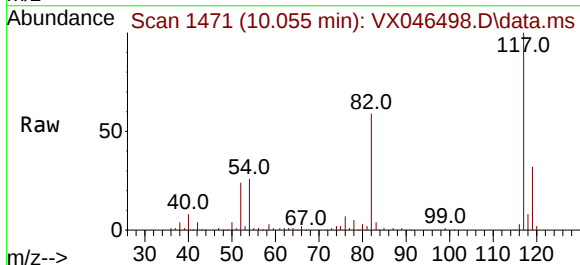
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-060325DL

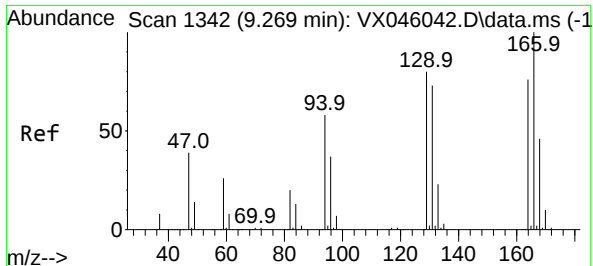
Tgt Ion: 95 Resp: 63770
Ion Ratio Lower Upper
95 100
174 67.4 0.0 135.8
176 64.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

Tgt Ion: 117 Resp: 118665
Ion Ratio Lower Upper
117 100
82 59.1 50.6 76.0
119 31.7 25.8 38.6

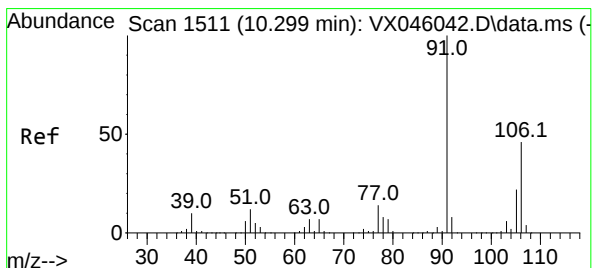
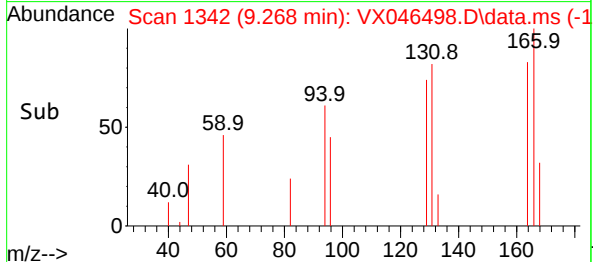
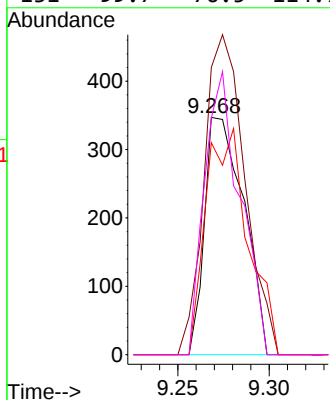
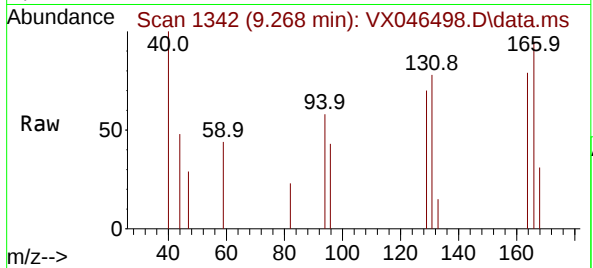




#64
Tetrachloroethene
Concen: 0.616 ug/l
RT: 9.268 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

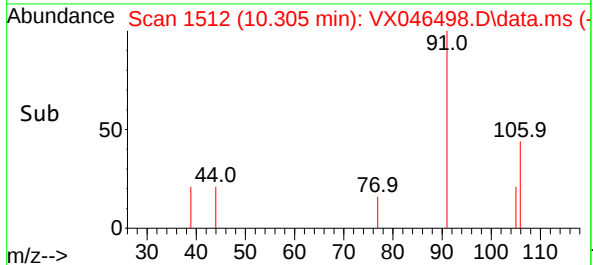
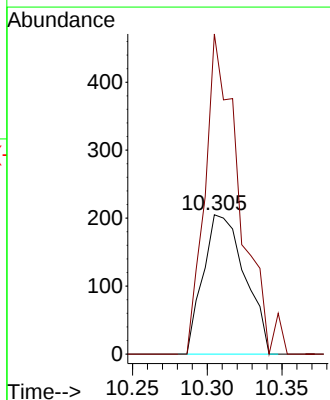
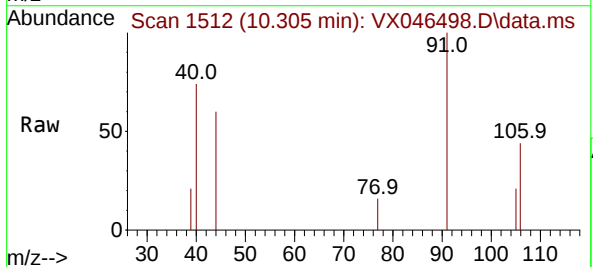
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-060325DL

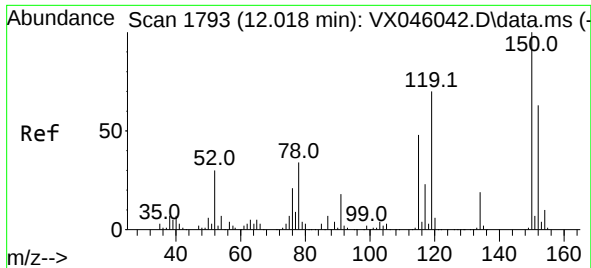
Tgt	Ion:164	Resp:	517
Ion	Ratio	Lower	Upper
164	100		
166	121.0	105.0	157.6
129	89.3	83.5	125.3
131	99.7	76.5	114.7



#68
m/p-Xylenes
Concen: 0.236 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

Tgt Ion:106	Resp:	396	
Ion	Ratio	Lower	Upper
106	100		
91	191.2	171.2	256.8

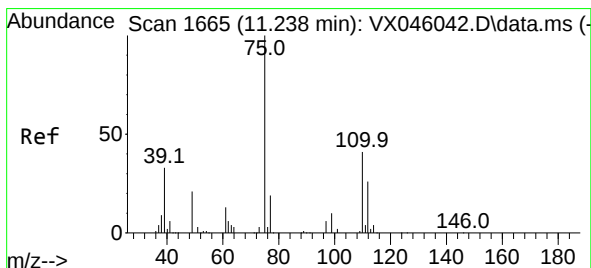
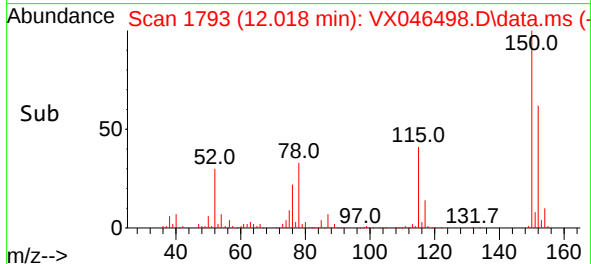
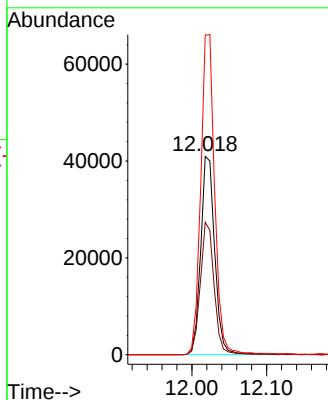
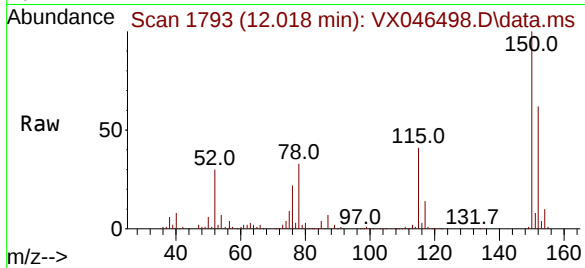




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

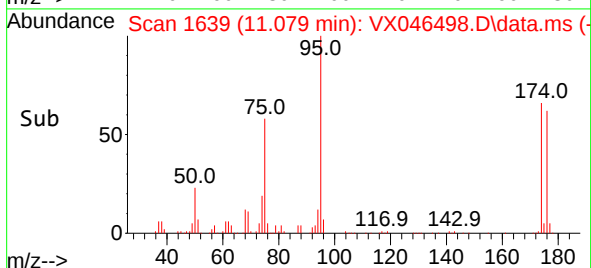
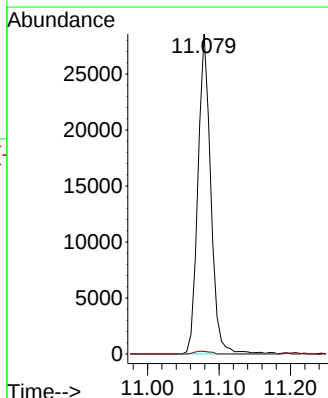
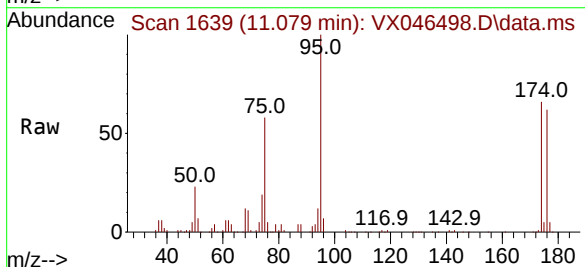
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-060325DL

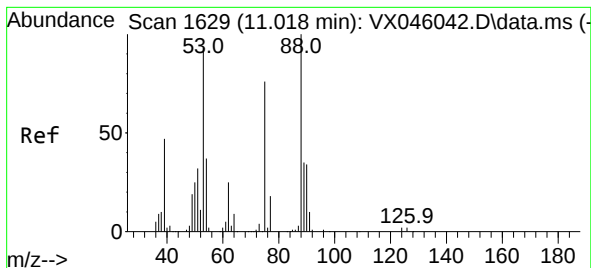
Tgt Ion:152 Resp: 53639
Ion Ratio Lower Upper
152 100
115 65.3 46.9 140.7
150 160.9 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 27.604 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

Tgt Ion: 75 Resp: 35640
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#

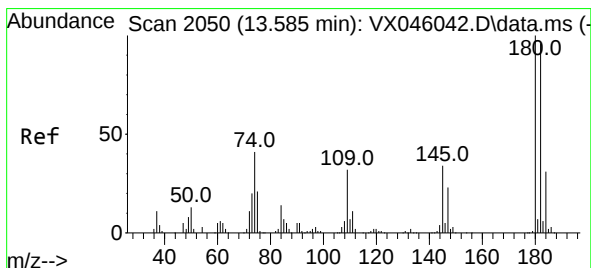
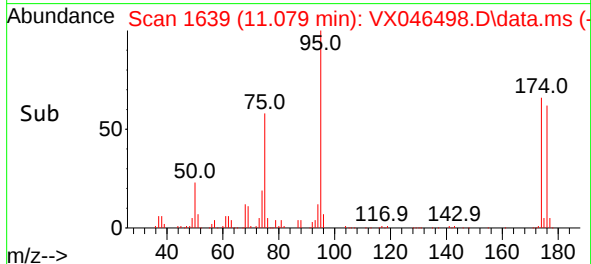
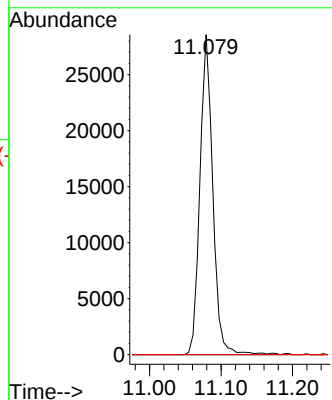
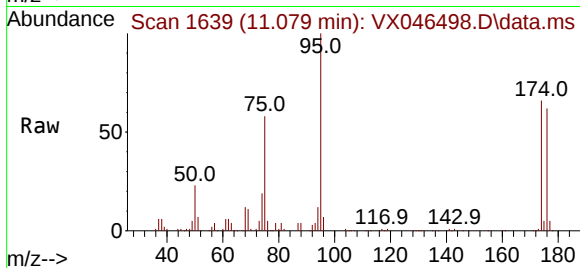




#81
trans-1,4-Dichloro-2-butene
Concen: 89.870 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

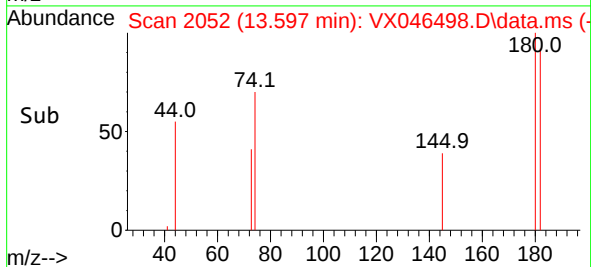
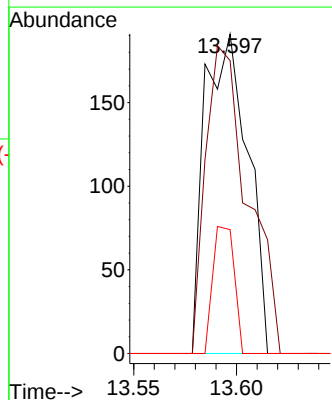
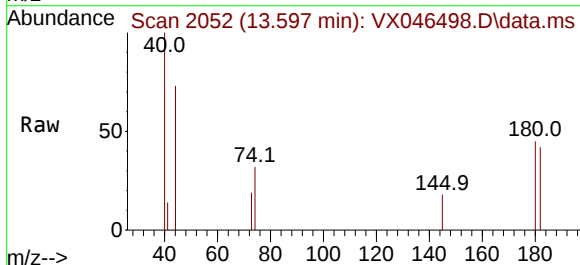
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-060325DL

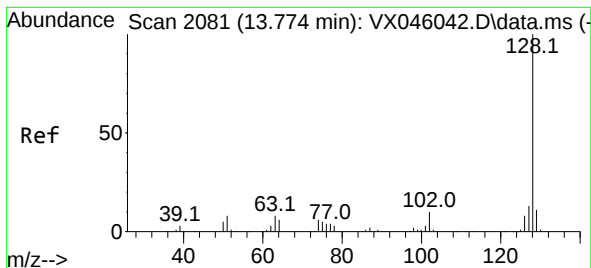
Tgt Ion: 75 Resp: 35640
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.273 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

Tgt Ion: 180 Resp: 278
Ion Ratio Lower Upper
180 100
182 94.6 47.9 143.8
145 19.8 17.1 51.2





#95

Naphthalene

Concen: 0.484 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX046498.D

Acq: 04 Jun 2025 14:15

Instrument :

MSVOA_X

ClientSampleId :

RMW-02B-66-060325DL

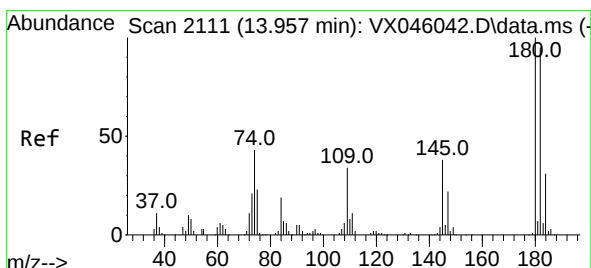
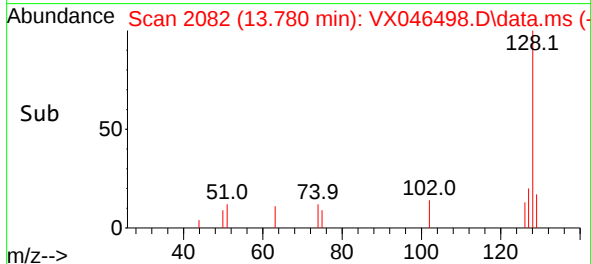
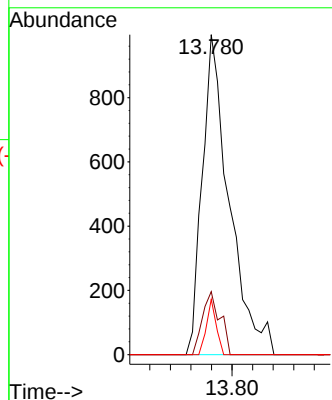
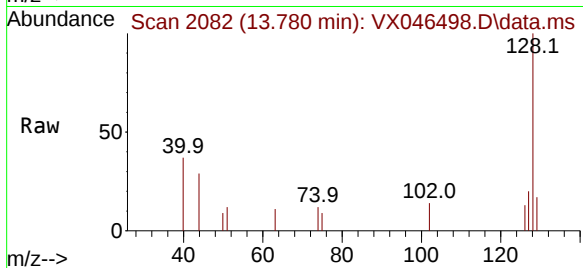
Tgt Ion:128 Resp: 1812

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 6.2 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 0.322 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.012 min

Lab File: VX046498.D

Acq: 04 Jun 2025 14:15

Tgt Ion:180 Resp: 339

Ion Ratio Lower Upper

180 100

182 87.3 47.8 143.3

145 36.0 18.1 54.3

