

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046508.D
 Acq On : 04 Jun 2025 18:12
 Operator : JC/MD
 Sample : Q2200-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

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

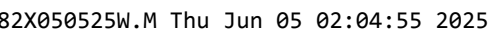
Quant Time: Jun 05 02:04:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

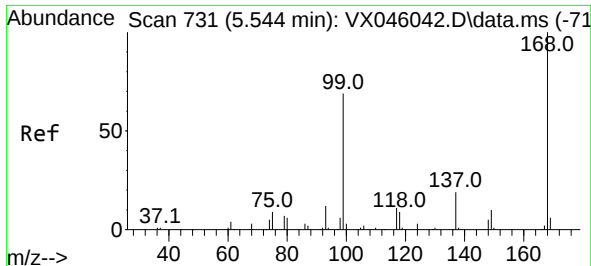
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	59475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	118649	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	107657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	43595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57267	51.648	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.300%			
35) Dibromofluoromethane	5.385	113	41659	48.758	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.520%			
50) Toluene-d8	8.647	98	147066	49.732	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.460%			
62) 4-Bromofluorobenzene	11.079	95	55309	48.759	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.520%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.142	85	952	1.046	ug/l	76
3) Chloromethane	1.239	50	411	0.466	ug/l #	43
4) Vinyl Chloride	1.374	62	7697	9.368	ug/l	96
6) Chloroethane	1.684	64	176	0.401	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.312	101	1394	1.855	ug/l	93
11) Tert butyl alcohol	2.940	59	207	1.330	ug/l #	72
12) 1,1-Dichloroethene	2.312	96	12979	18.404	ug/l	99
16) Acetone	2.392	43	637	1.433	ug/l #	48
20) Methylene Chloride	2.782	84	320	0.376	ug/l #	85
21) trans-1,2-Dichloroethene	3.093	96	775	1.093	ug/l #	78
24) 1,1-Dichloroethane	3.611	63	3655	2.521	ug/l #	93
27) cis-1,2-Dichloroethene	4.483	96	156809	183.666	ug/l	89
31) Cyclohexane	5.544	56	1707	1.292	ug/l #	39
36) 1,1-Dichloropropene	5.556	75	5910	5.148	ug/l #	52
38) Carbon Tetrachloride	5.544	117	6715	5.206	ug/l #	17
39) Methylcyclohexane	7.123	83	4972	3.364	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	1954	1.346	ug/l #	78
44) Trichloroethene	7.123	130	357950	442.298	ug/l	95
49) 1,4-Dioxane	7.683	88	197	9.389	ug/l #	43
51) 4-Methyl-2-Pentanone	8.647	43	794	0.553	ug/l #	1
60) Dibromochloromethane	9.268	129	5063	5.671	ug/l #	10
64) Tetrachloroethene	9.275	164	4825	6.334	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	31400	29.923	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31400	97.421	ug/l #	1

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

Quant Time: Jun 05 02:04:31 2025
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Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

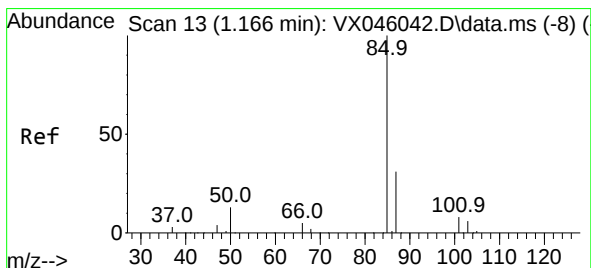
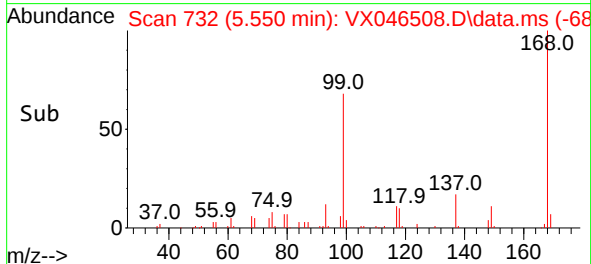
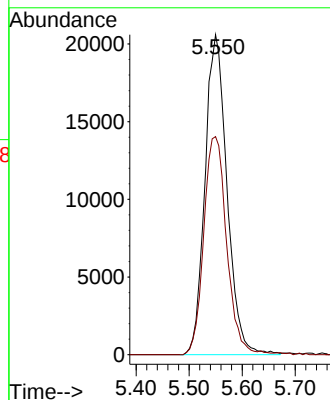
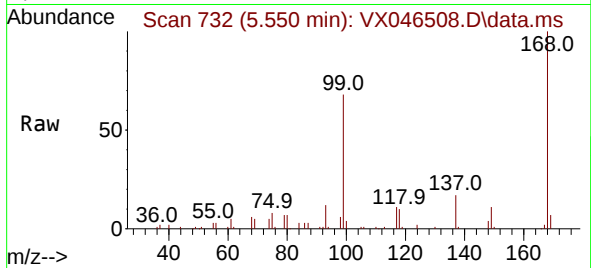




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

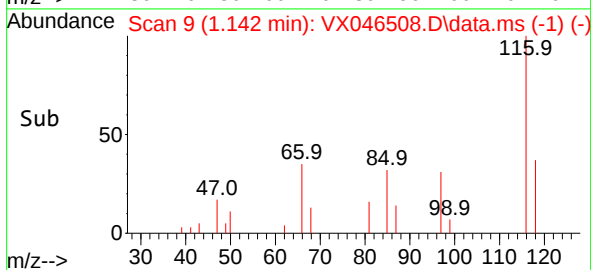
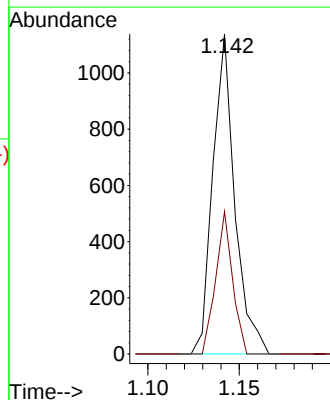
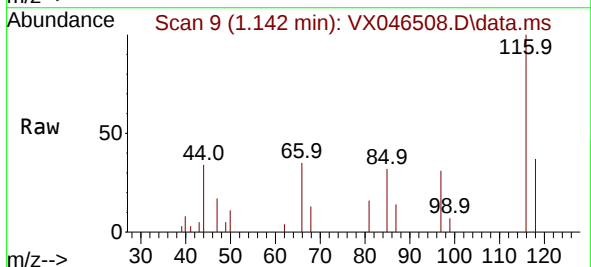
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-060325

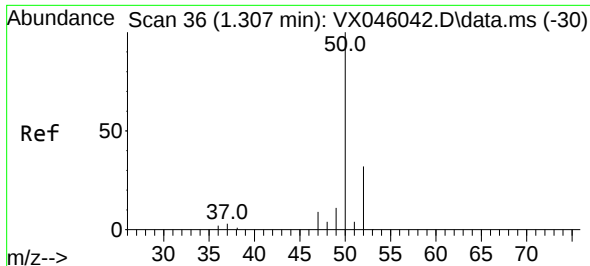
Tgt Ion:168 Resp: 59475
Ion Ratio Lower Upper
168 100
99 68.1 54.9 82.3



#2
Dichlorodifluoromethane
Concen: 1.046 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.025 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

Tgt Ion: 85 Resp: 952
Ion Ratio Lower Upper
85 100
87 44.5 15.7 47.1

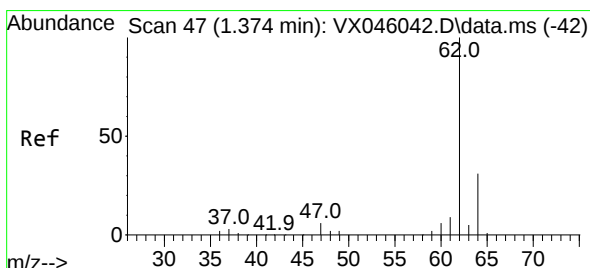
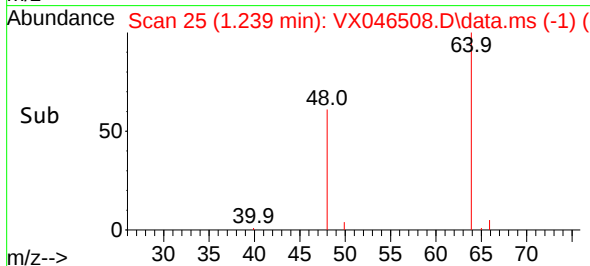
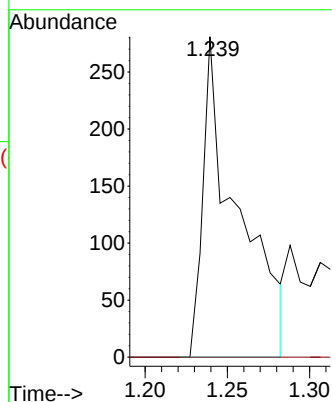
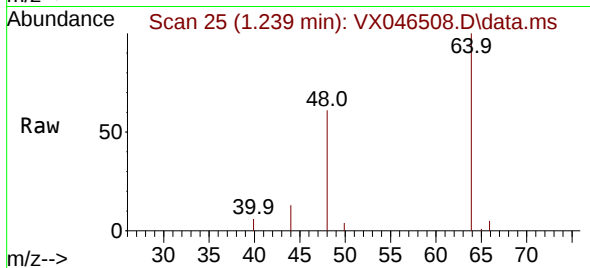




#3
Chloromethane
Concen: 0.466 ug/l
RT: 1.239 min Scan# 21
Delta R.T. -0.067 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

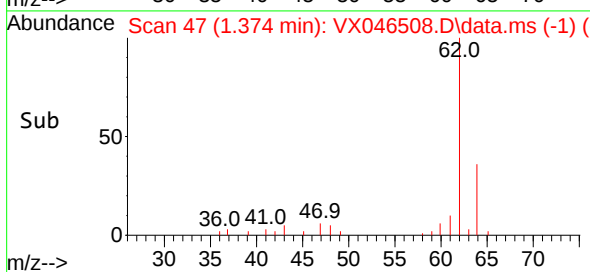
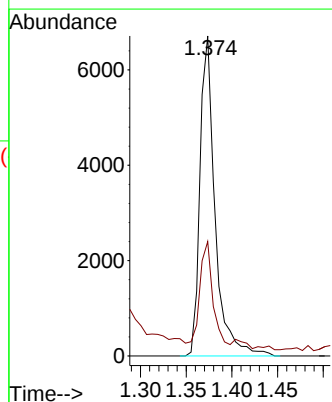
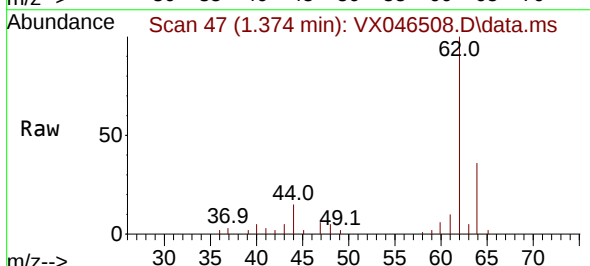
Instrument :
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ClientSampleId :
RMW-02B-66-060325

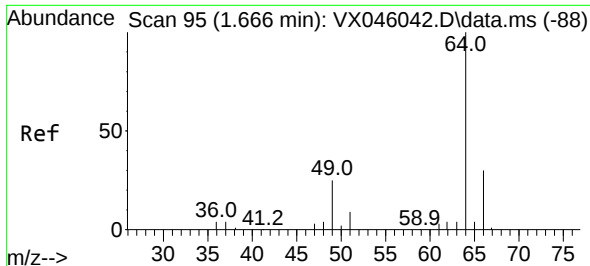
Tgt Ion: 50 Resp: 411
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



#4
Vinyl Chloride
Concen: 9.368 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

Tgt Ion: 62 Resp: 7697
Ion Ratio Lower Upper
62 100
64 33.8 25.2 37.8

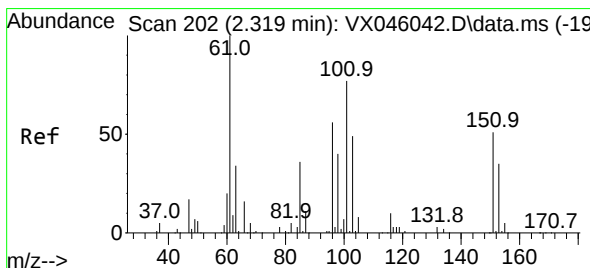
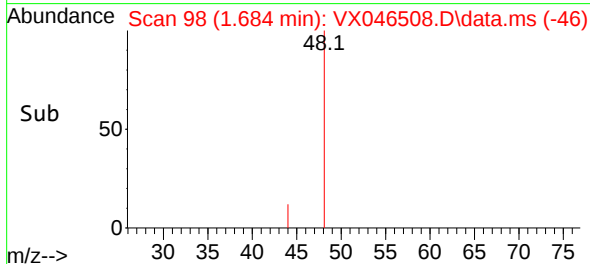
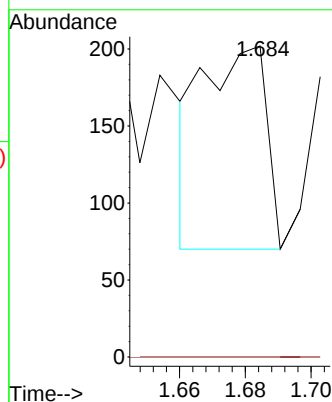
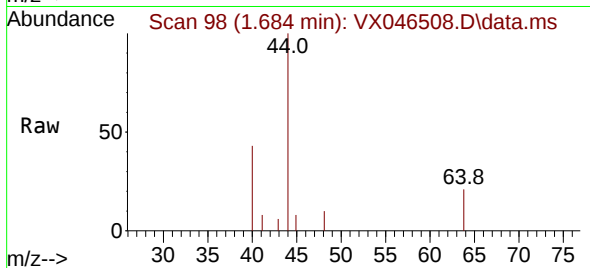




#6
Chloroethane
Concen: 0.401 ug/l
RT: 1.684 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

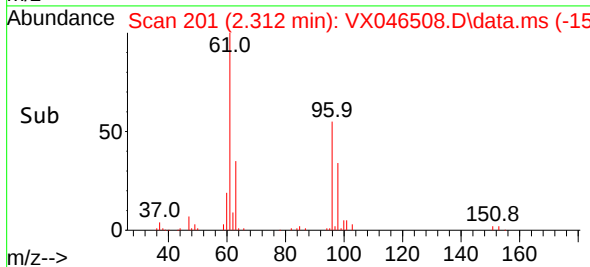
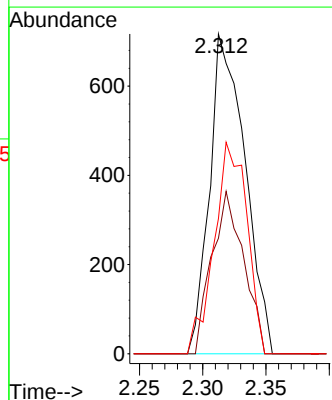
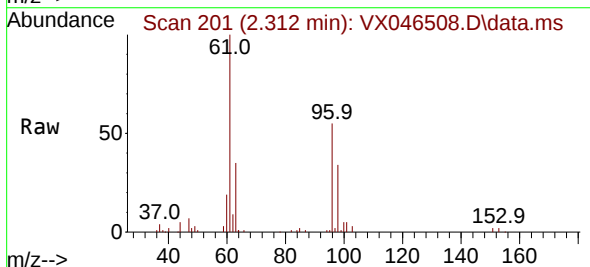
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-060325

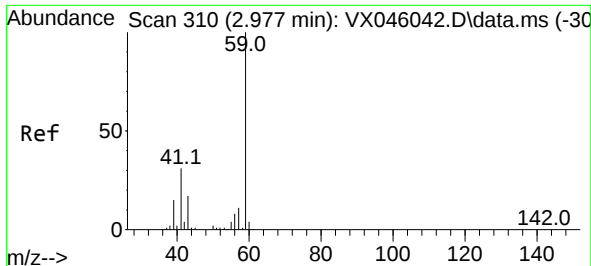
Tgt Ion: 64 Resp: 176
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.855 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

Tgt Ion: 101 Resp: 1394
Ion Ratio Lower Upper
101 100
85 45.7 38.6 58.0
151 61.3 55.2 82.8

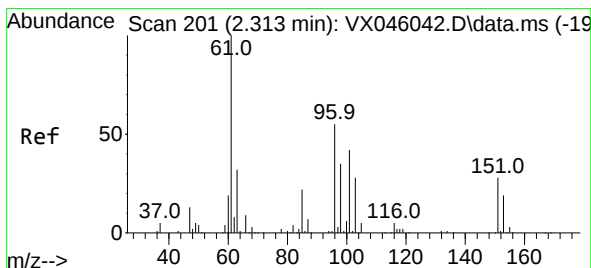
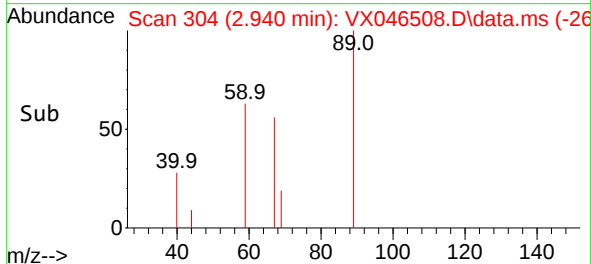
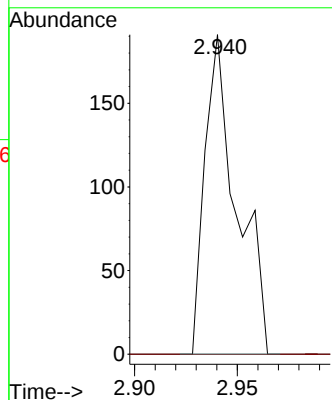
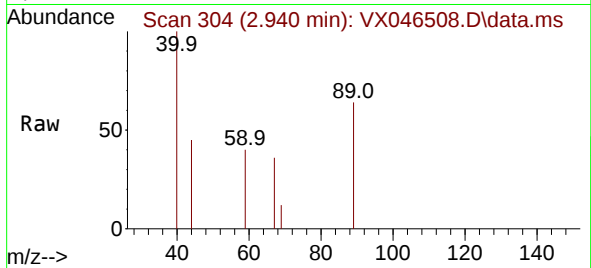




#11
Tert butyl alcohol
Concen: 1.330 ug/l
RT: 2.940 min Scan# 30
Delta R.T. -0.037 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

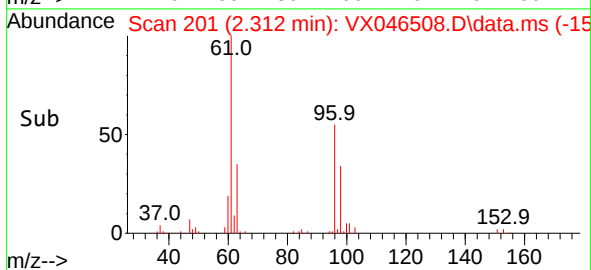
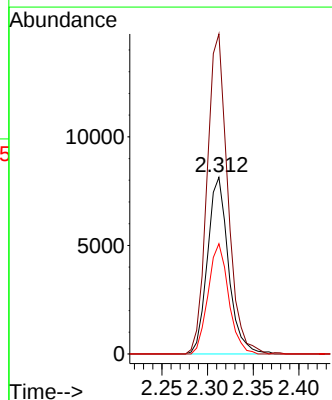
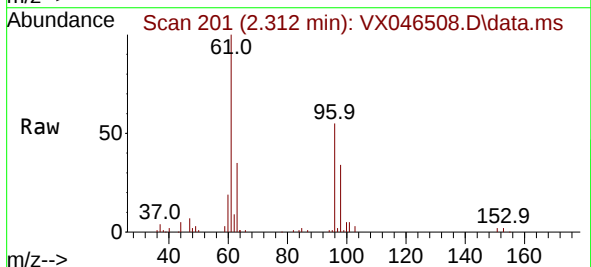
Instrument :
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ClientSampleId :
RMW-02B-66-060325

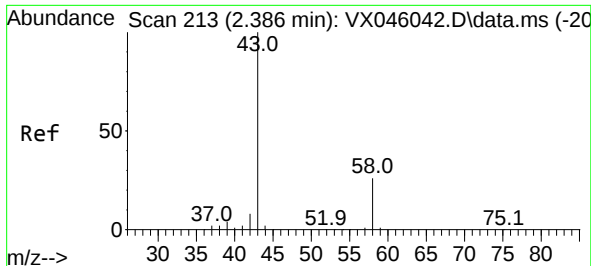
Tgt Ion: 59 Resp: 207
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 18.404 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

Tgt Ion: 96 Resp: 12979
Ion Ratio Lower Upper
96 100
61 181.1 146.2 219.2
98 62.4 51.0 76.6

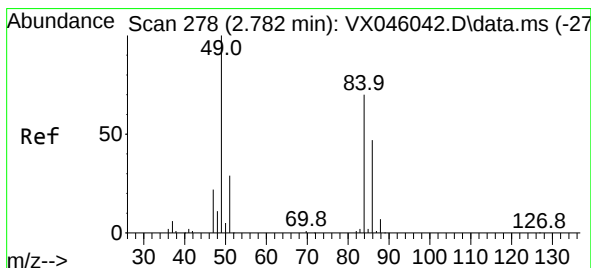
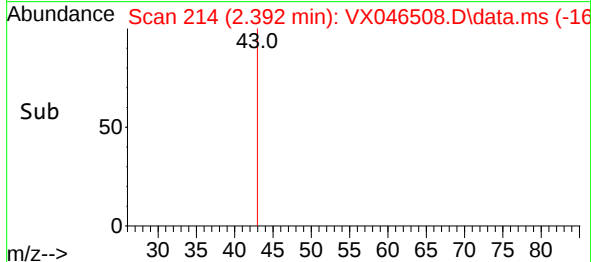
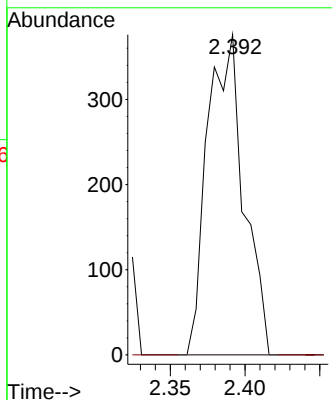
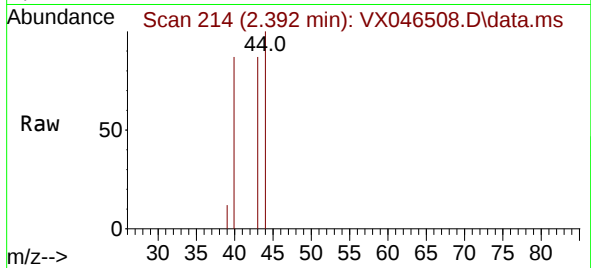




#16
 Acetone
 Concen: 1.433 ug/l
 RT: 2.392 min Scan# 213
 Delta R.T. 0.006 min
 Lab File: VX046508.D
 Acq: 04 Jun 2025 18:12

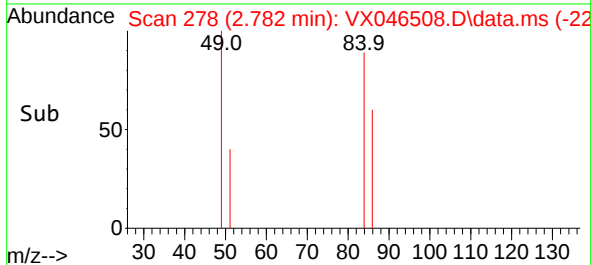
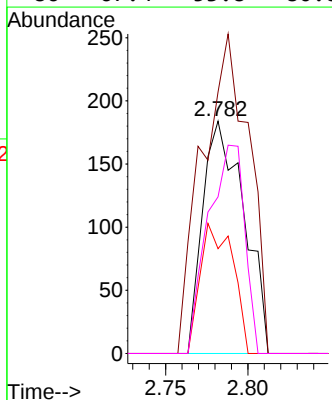
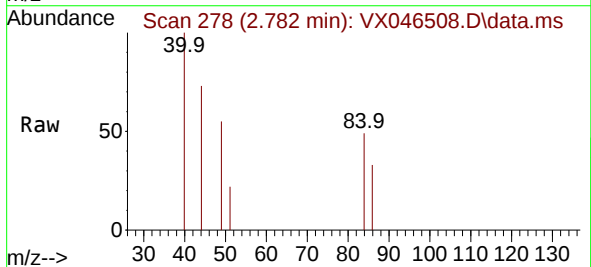
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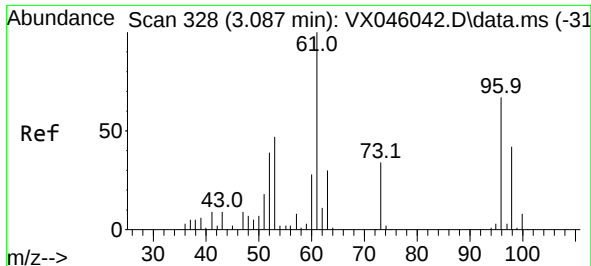
Tgt Ion: 43 Resp: 637
 Ion Ratio Lower Upper
 43 100
 58 0.0 21.2 31.8#



#20
 Methylene Chloride
 Concen: 0.376 ug/l
 RT: 2.782 min Scan# 278
 Delta R.T. -0.000 min
 Lab File: VX046508.D
 Acq: 04 Jun 2025 18:12

Tgt Ion: 84 Resp: 320
 Ion Ratio Lower Upper
 84 100
 49 112.5 113.9 170.9#
 51 45.1 33.5 50.3
 86 67.4 53.8 80.8

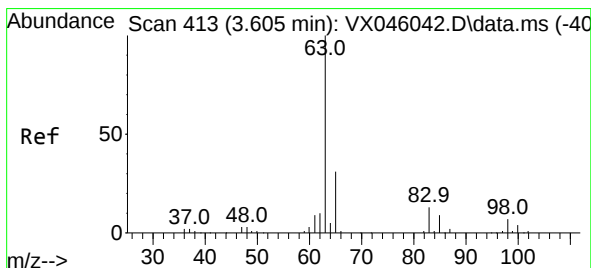
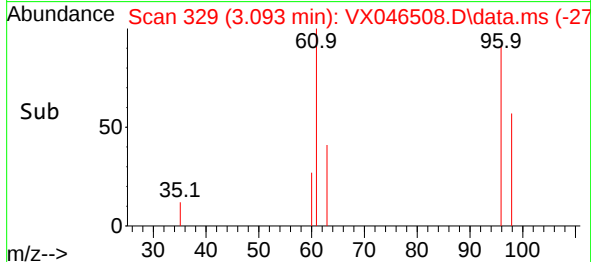
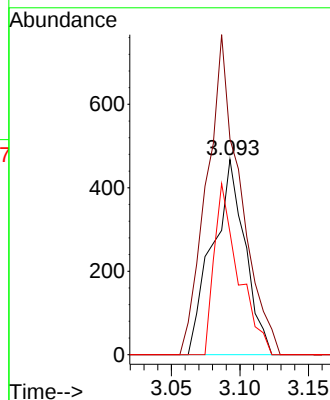
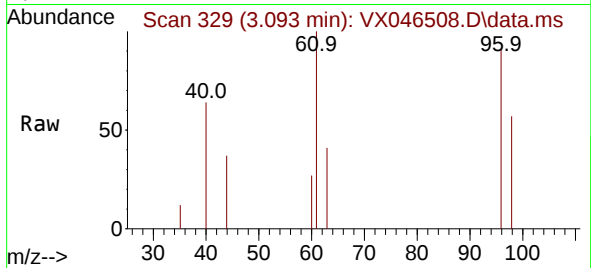




#21
trans-1,2-Dichloroethene
Concen: 1.093 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

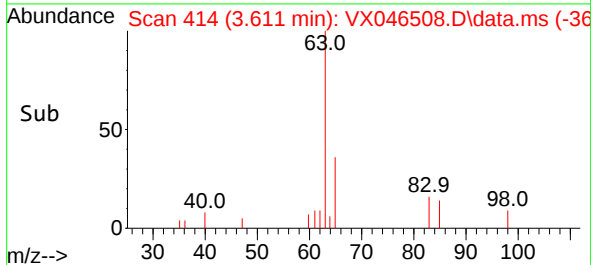
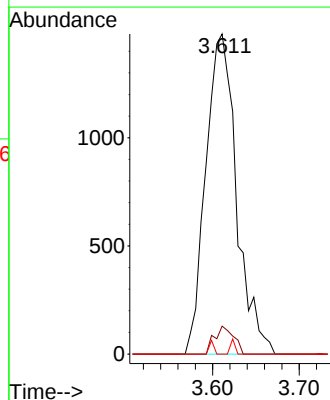
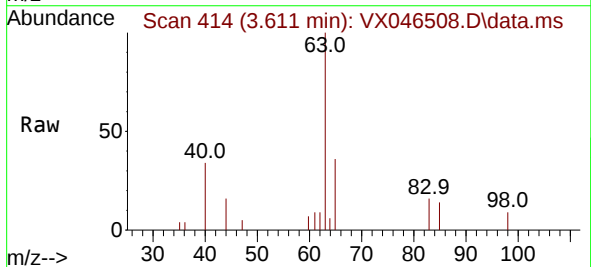
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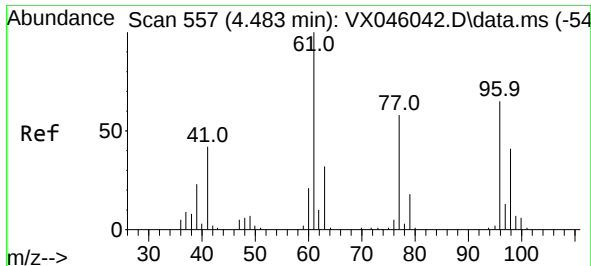
Tgt Ion: 96 Resp: 775
Ion Ratio Lower Upper
96 100
61 110.5 119.5 179.3#
98 62.6 50.0 75.0



#24
1,1-Dichloroethane
Concen: 2.521 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

Tgt Ion: 63 Resp: 3655
Ion Ratio Lower Upper
63 100
98 8.7 3.6 10.8
100 0.0 2.1 6.3#





#27

cis-1,2-Dichloroethene

Concen: 183.666 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX046508.D

Acq: 04 Jun 2025 18:12

Instrument :

MSVOA_X

ClientSampleId :

RMW-02B-66-060325

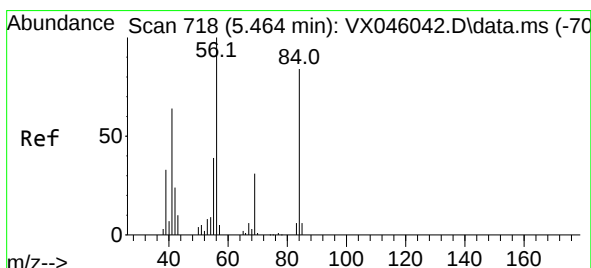
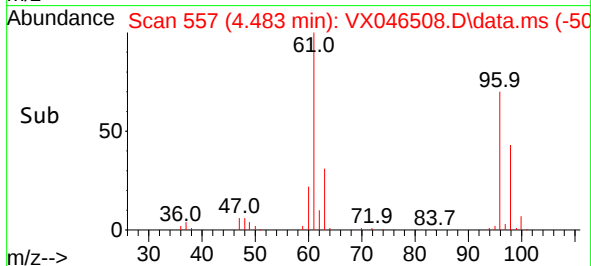
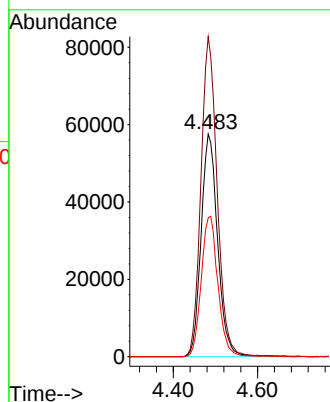
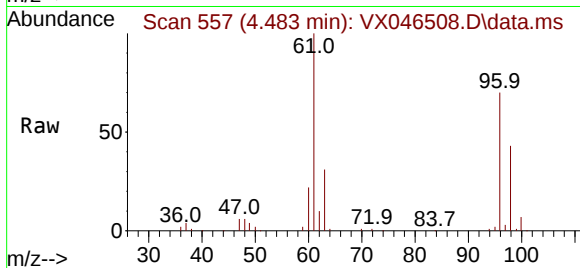
Tgt Ion: 96 Resp: 156809

Ion Ratio Lower Upper

96 100

61 141.7 0.0 322.8

98 63.5 0.0 129.0



#31

Cyclohexane

Concen: 1.292 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX046508.D

Acq: 04 Jun 2025 18:12

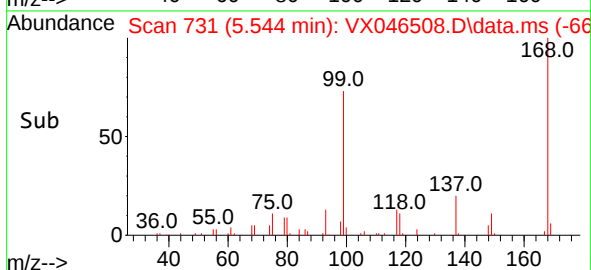
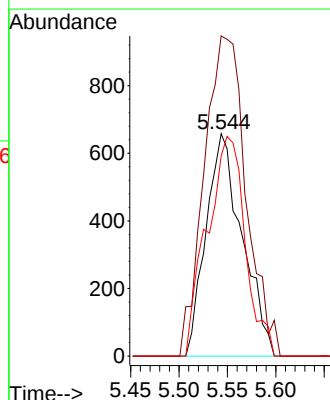
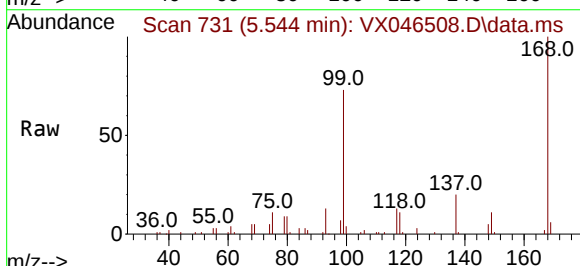
Tgt Ion: 56 Resp: 1707

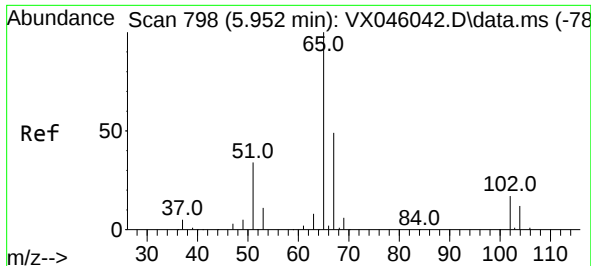
Ion Ratio Lower Upper

56 100

69 143.9 24.4 36.6#

84 90.0 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 51.648 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046508.D

Acq: 04 Jun 2025 18:12

Instrument :

MSVOA_X

ClientSampleId :

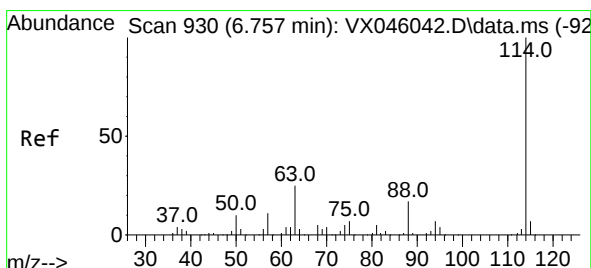
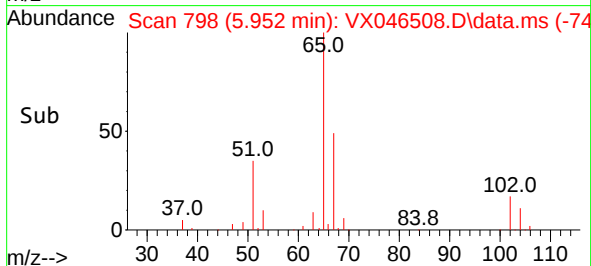
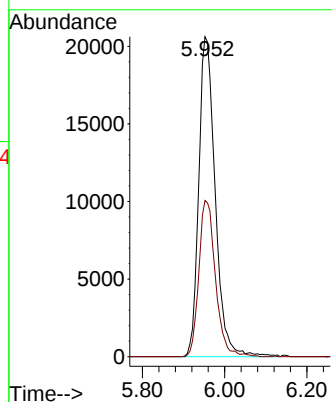
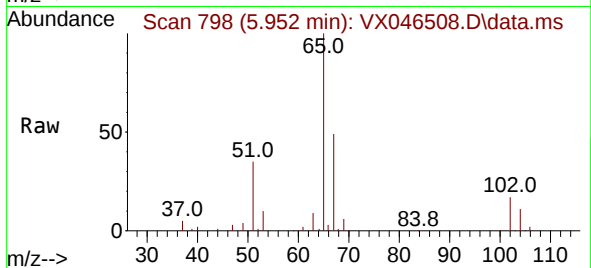
RMW-02B-66-060325

Tgt Ion: 65 Resp: 57267

Ion Ratio Lower Upper

65 100

67 49.3 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX046508.D

Acq: 04 Jun 2025 18:12

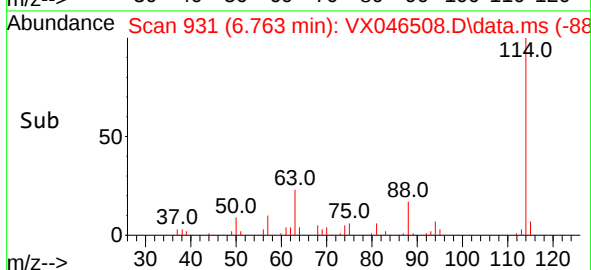
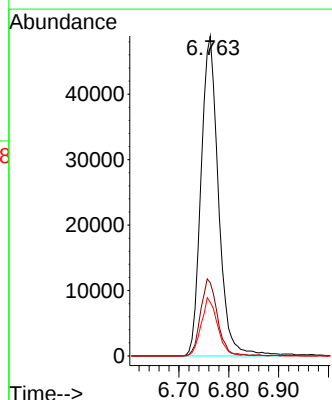
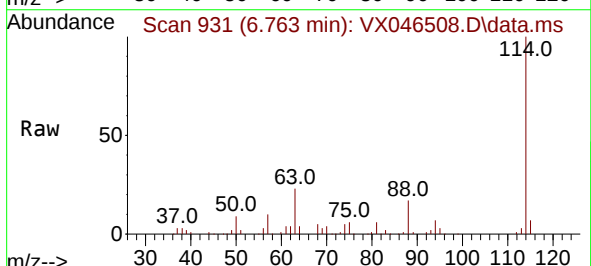
Tgt Ion: 114 Resp: 118649

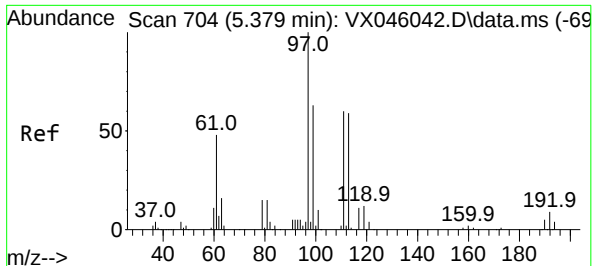
Ion Ratio Lower Upper

114 100

63 22.9 0.0 49.2

88 16.8 0.0 33.6

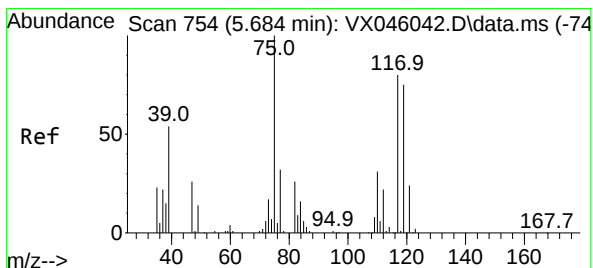
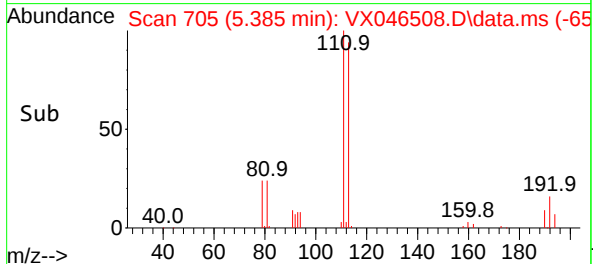
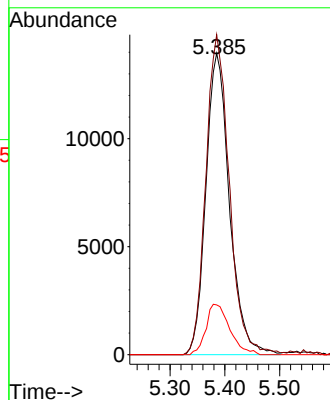
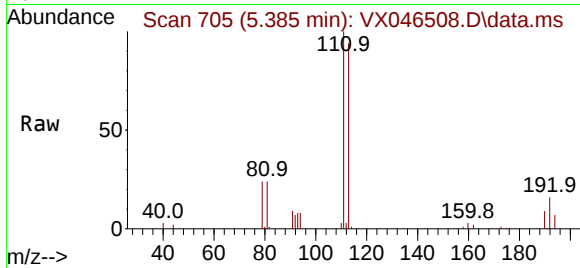




#35
Dibromofluoromethane
Concen: 48.758 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

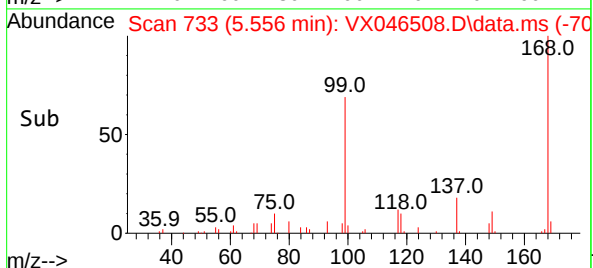
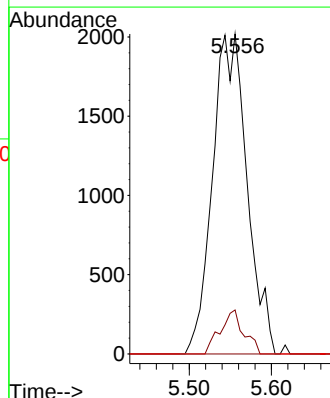
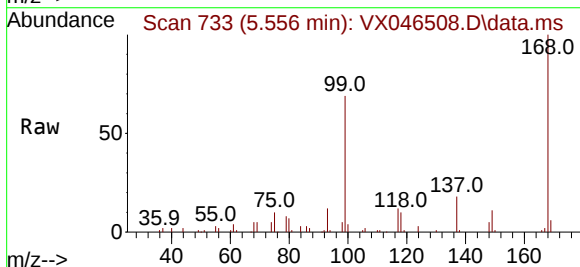
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-060325

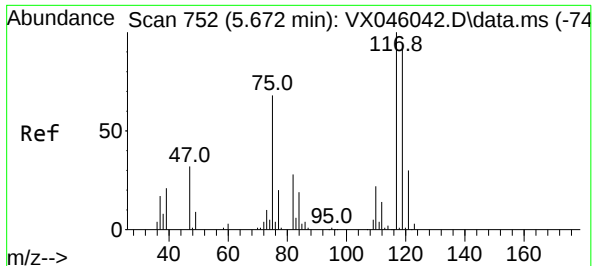
Tgt Ion:	113	Resp:	41659
Ion	Ratio	Lower	Upper
113	100		
111	106.0	83.1	124.7
192	16.9	13.3	19.9



#36
1,1-Dichloropropene
Concen: 5.148 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

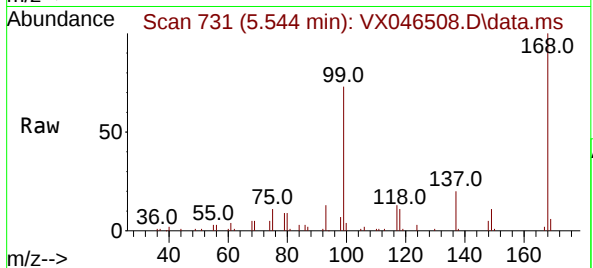
Tgt Ion:	75	Resp:	5910
Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.3	48.9#
77	0.0	24.3	36.5#



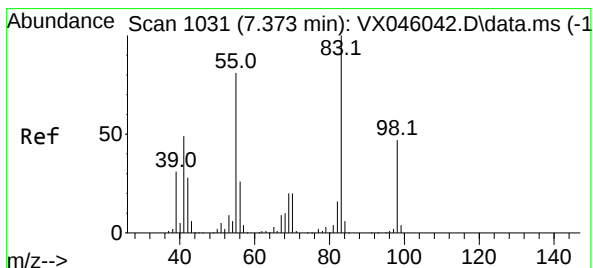
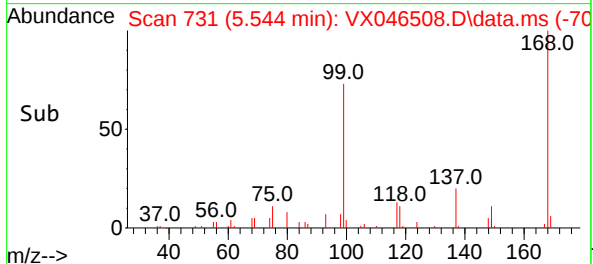
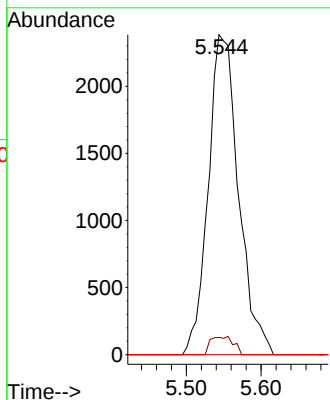


#38
Carbon Tetrachloride
Concen: 5.206 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

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

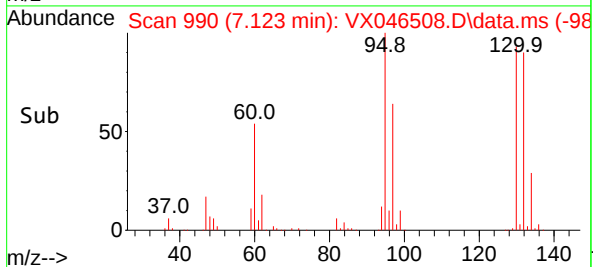
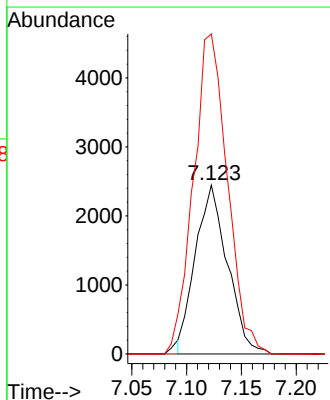
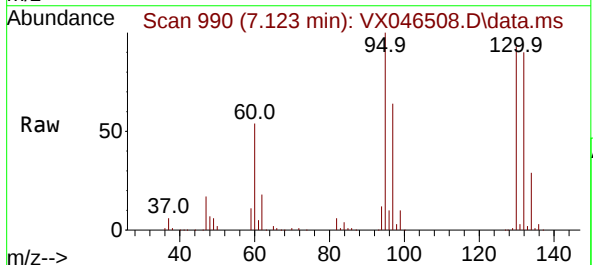


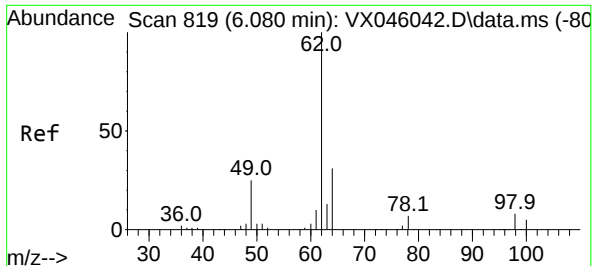
Tgt Ion:117 Resp: 6715
Ion Ratio Lower Upper
117 100
119 5.4 75.2 112.8#
121 0.0 24.2 36.4#



#39
Methylcyclohexane
Concen: 3.364 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

Tgt Ion: 83 Resp: 4972
Ion Ratio Lower Upper
83 100
55 0.0 64.7 97.1#
98 189.7 37.4 56.2#





#42

1,2-Dichloroethane

Concen: 1.346 ug/l

RT: 6.098 min Scan# 819

Delta R.T. 0.018 min

Lab File: VX046508.D

Acq: 04 Jun 2025 18:12

Instrument :

MSVOA_X

ClientSampleId :

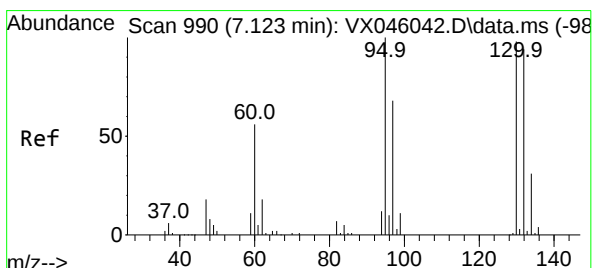
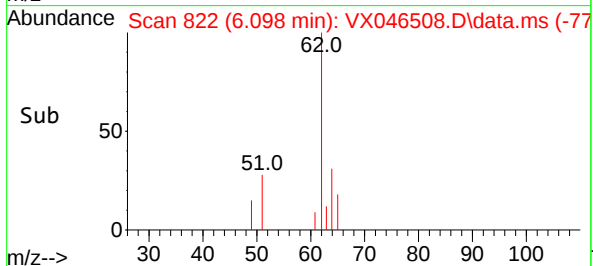
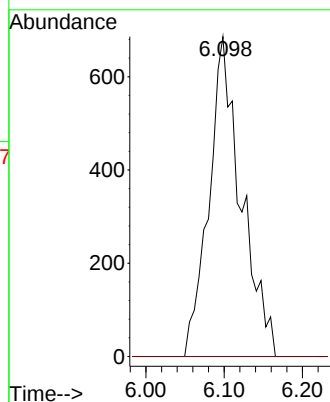
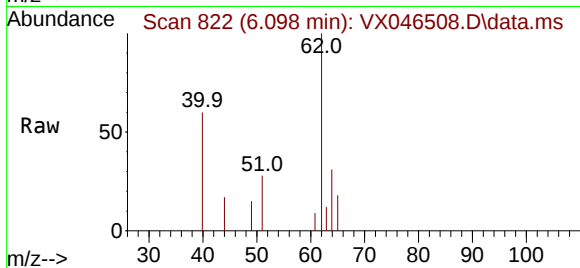
RMW-02B-66-060325

Tgt Ion: 62 Resp: 1954

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.2



#44

Trichloroethene

Concen: 442.298 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX046508.D

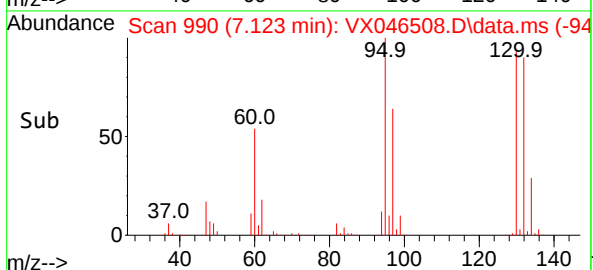
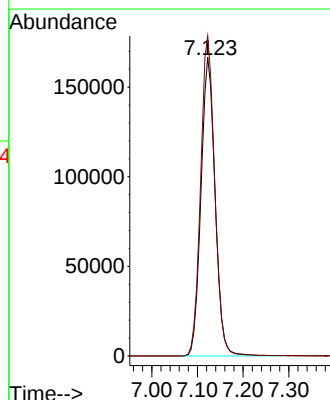
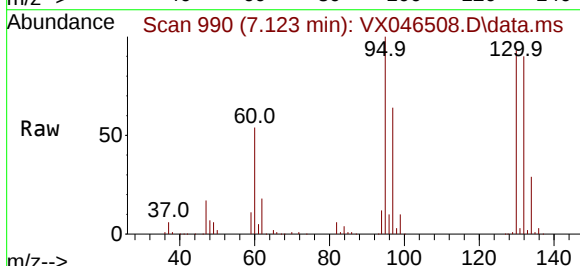
Acq: 04 Jun 2025 18:12

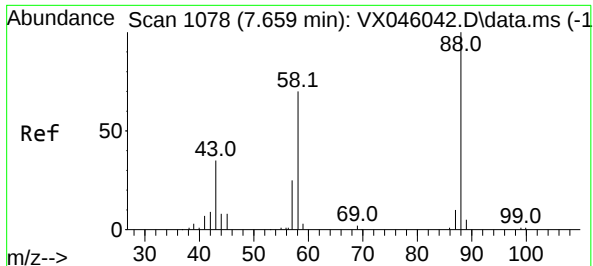
Tgt Ion:130 Resp: 357950

Ion Ratio Lower Upper

130 100

95 107.1 0.0 204.2





#49

1,4-Dioxane

Concen: 9.389 ug/l

RT: 7.683 min Scan# 1082

Delta R.T. 0.024 min

Lab File: VX046508.D

Acq: 04 Jun 2025 18:12

Instrument :

MSVOA_X

ClientSampleId :

RMW-02B-66-060325

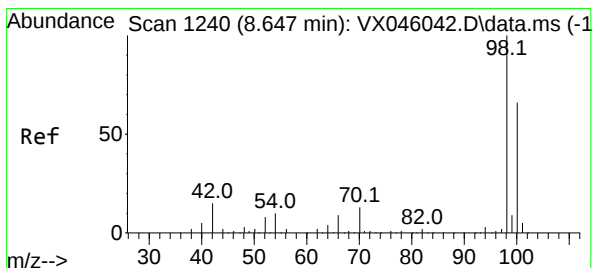
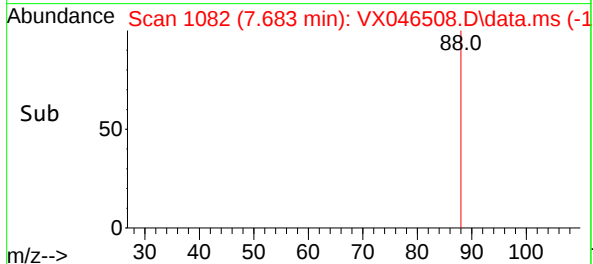
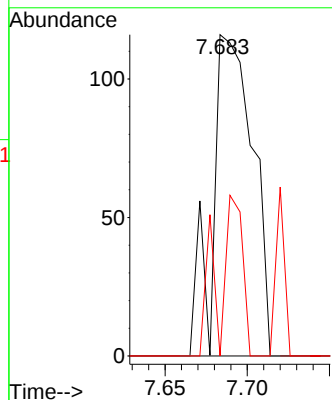
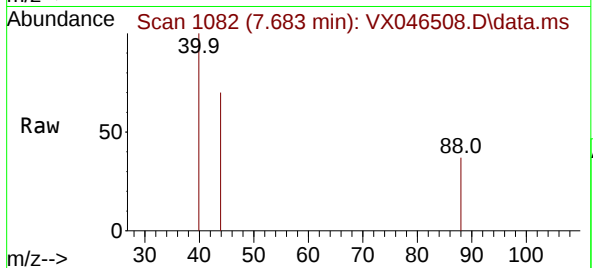
Tgt Ion: 88 Resp: 197

Ion Ratio Lower Upper

88 100

43 0.0 33.4 50.2#

58 29.9 58.6 88.0#



#50

Toluene-d8

Concen: 49.732 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046508.D

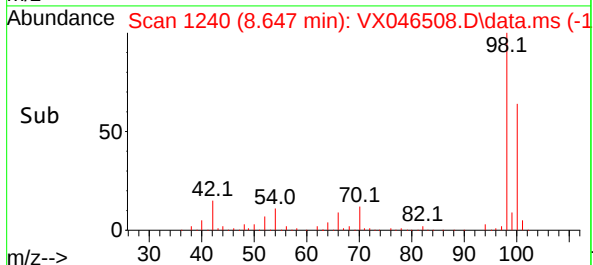
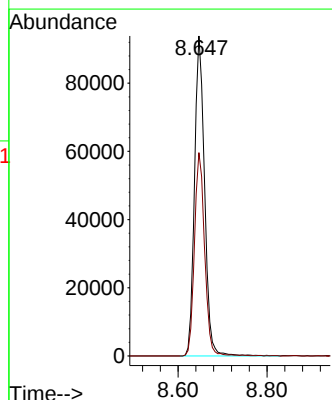
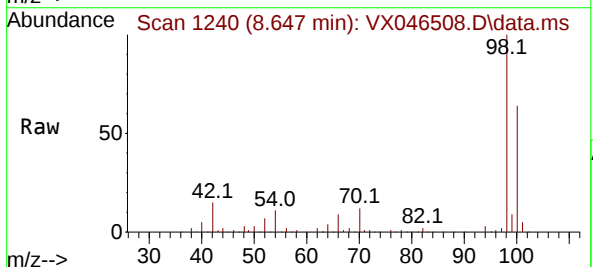
Acq: 04 Jun 2025 18:12

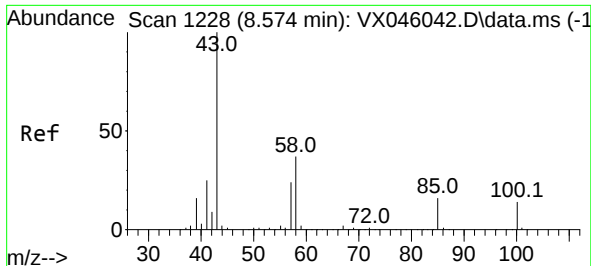
Tgt Ion: 98 Resp: 147066

Ion Ratio Lower Upper

98 100

100 64.0 53.5 80.3

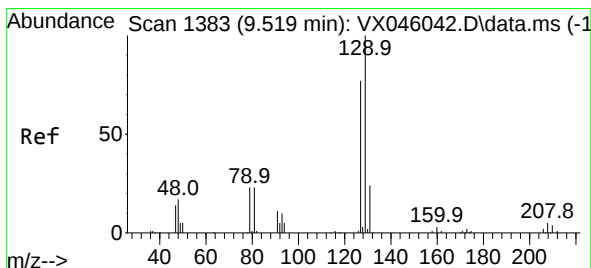
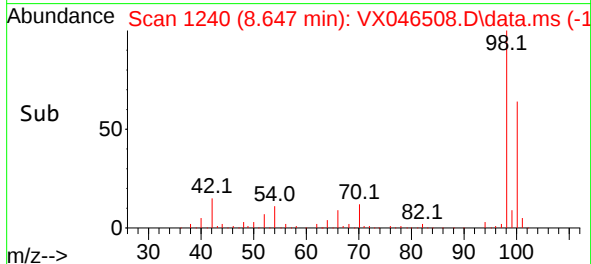
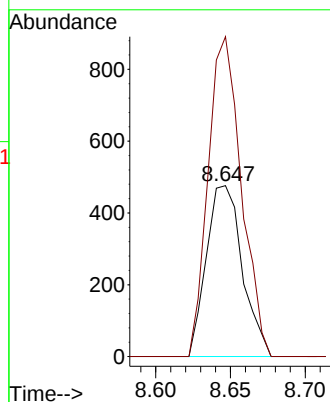
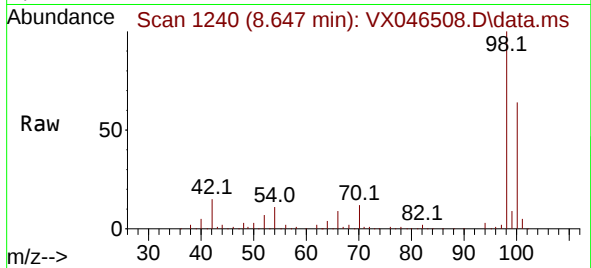




#51
4-Methyl-2-Pentanone
Concen: 0.553 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

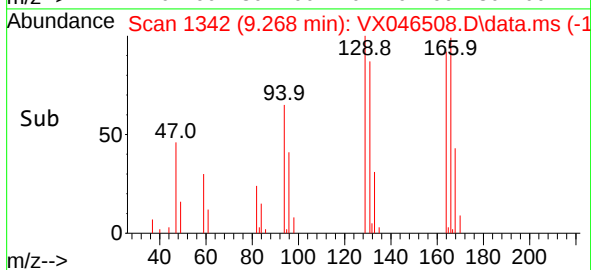
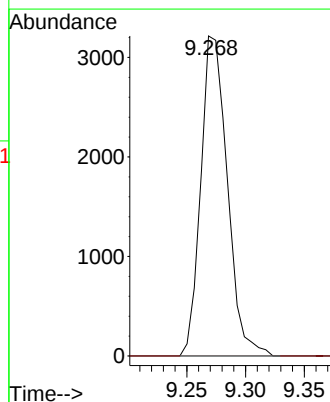
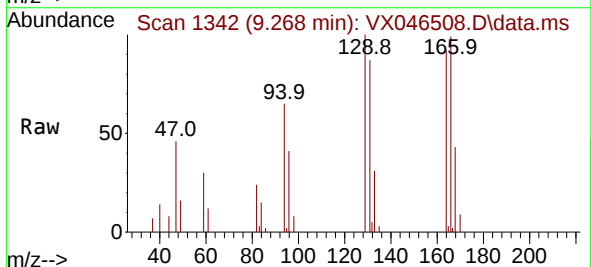
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-060325

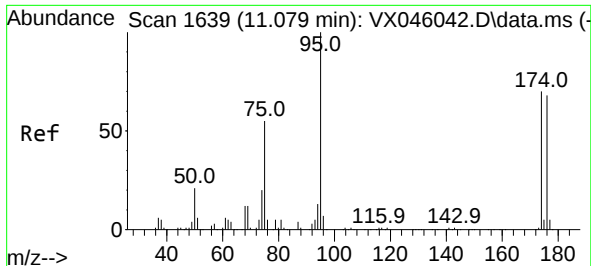
Tgt Ion: 43 Resp: 794
Ion Ratio Lower Upper
43 100
58 173.7 28.9 43.3#



#60
Dibromochloromethane
Concen: 5.671 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

Tgt Ion: 129 Resp: 5063
Ion Ratio Lower Upper
129 100
127 0.0 39.3 117.8#

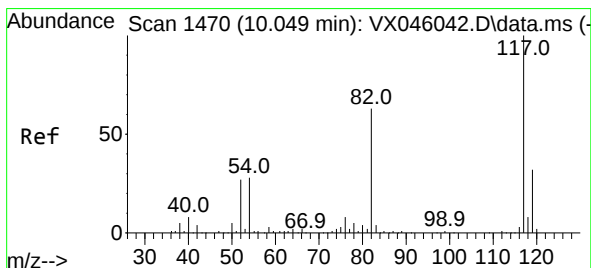
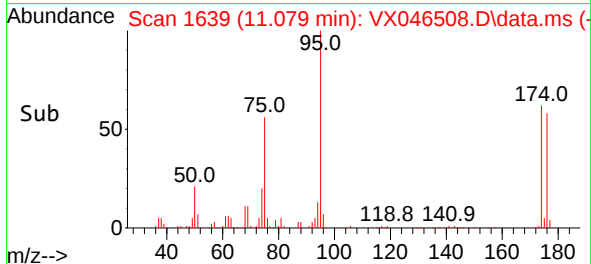
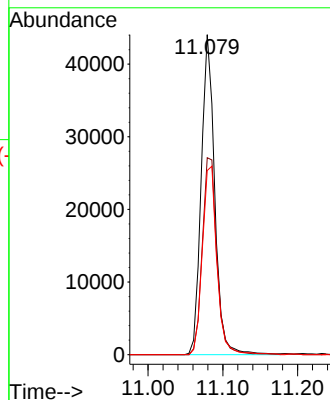
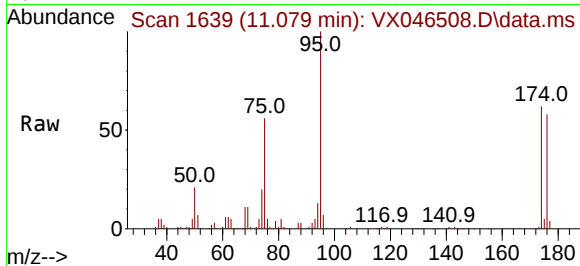




#62
4-Bromofluorobenzene
Concen: 48.759 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

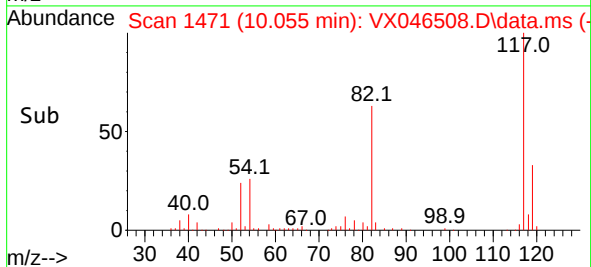
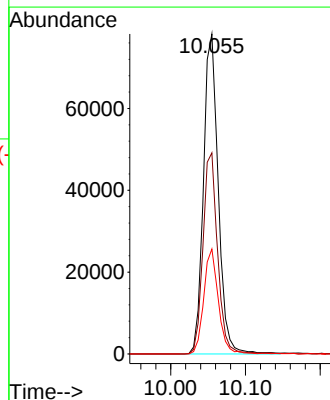
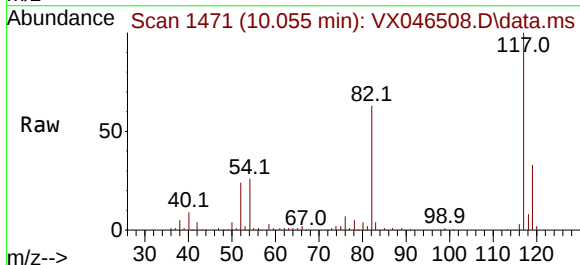
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-060325

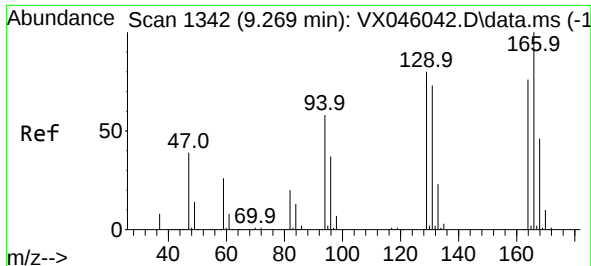
Tgt Ion: 95 Resp: 55309
Ion Ratio Lower Upper
95 100
174 66.7 0.0 135.8
176 63.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

Tgt Ion: 117 Resp: 107657
Ion Ratio Lower Upper
117 100
82 62.9 50.6 76.0
119 32.8 25.8 38.6



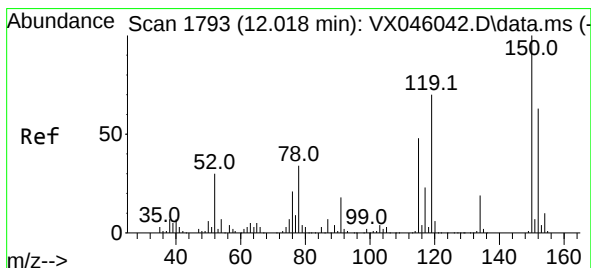
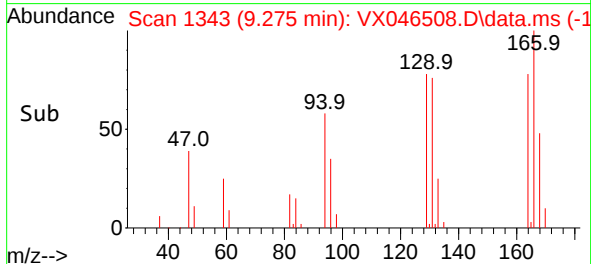
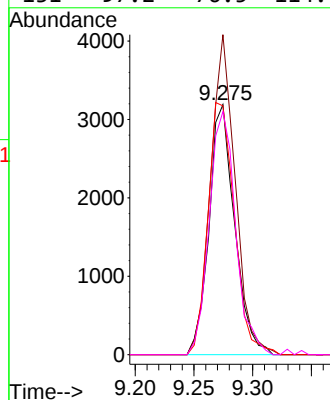
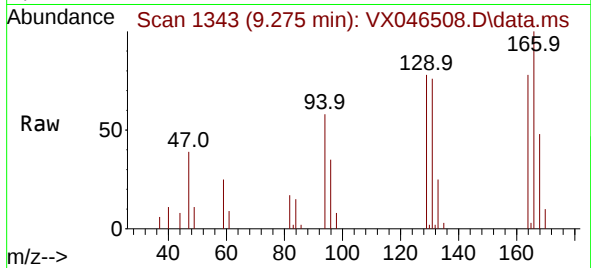


#64
Tetrachloroethene
Concen: 6.334 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

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

Tgt Ion:164 Resp: 4825

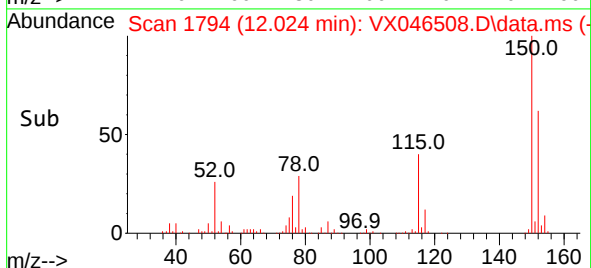
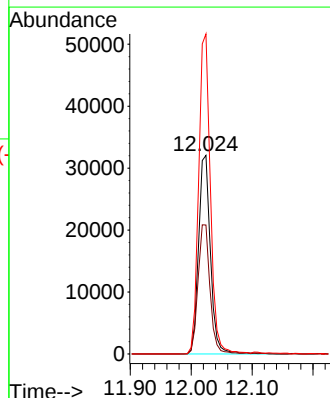
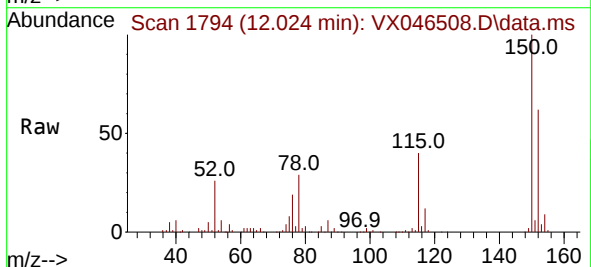
Ion	Ratio	Lower	Upper
164	100		
166	127.9	105.0	157.6
129	99.4	83.5	125.3
131	97.2	76.5	114.7

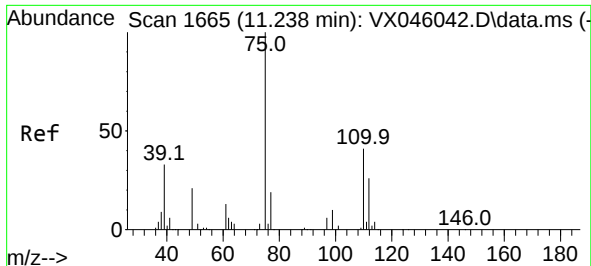


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

Tgt Ion:152 Resp: 43595

Ion	Ratio	Lower	Upper
152	100		
115	65.7	46.9	140.7
150	157.9	0.0	351.0

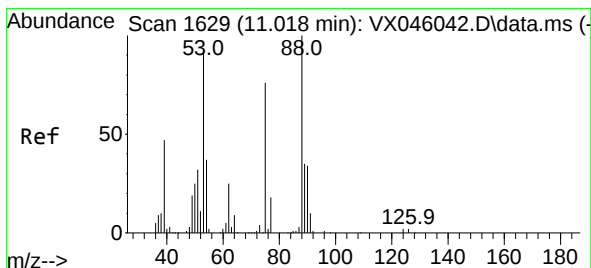
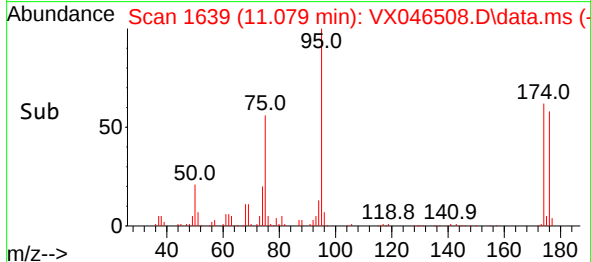
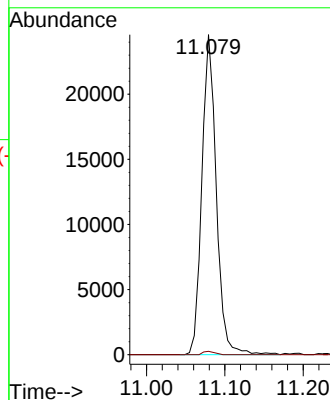
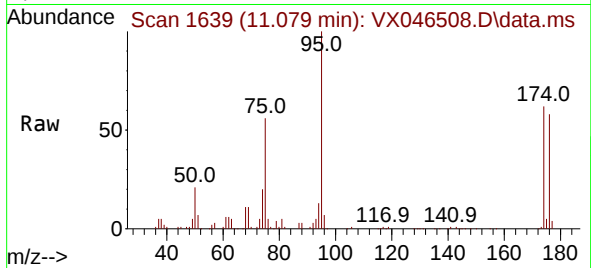




#76
1,2,3-Trichloropropane
Concen: 29.923 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

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

Tgt Ion: 75 Resp: 31400
Ion Ratio Lower Upper
75 100
77 0.9 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.421 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

Tgt Ion: 75 Resp: 31400
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

