

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046500.D
 Acq On : 04 Jun 2025 15:02
 Operator : JC/MD
 Sample : Q2200-05 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11B-37.5-060325

Quant Time: Jun 05 01:56:36 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)

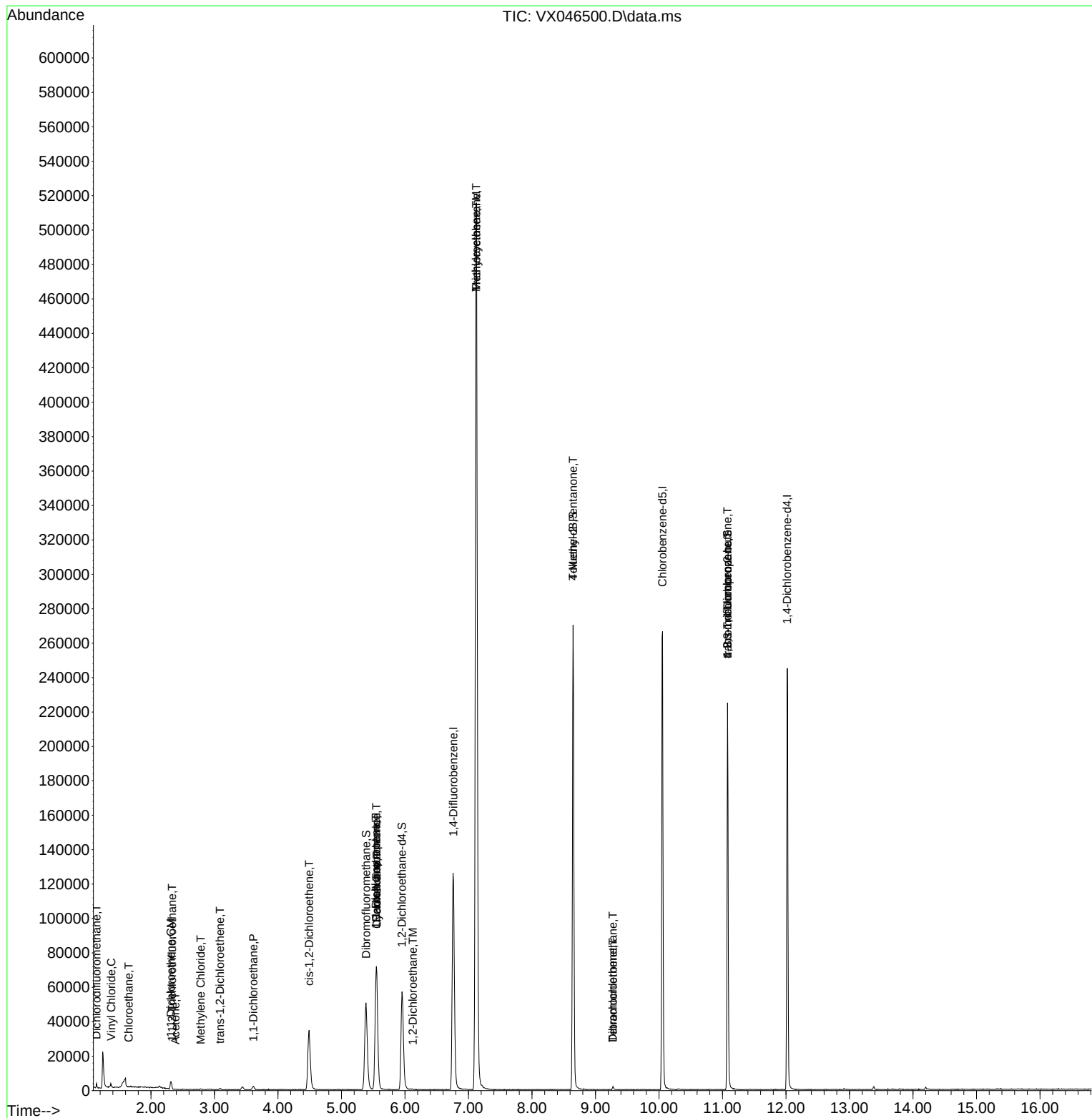
Internal Standards						
1) Pentafluorobenzene	5.550	168	61191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	121976	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59444	52.107	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.220%			
35) Dibromofluoromethane	5.385	113	43765	49.826	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.660%			
50) Toluene-d8	8.647	98	151455	49.819	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.640%			
62) 4-Bromofluorobenzene	11.079	95	59009	50.602	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.142	85	235	0.251	ug/l	73
4) Vinyl Chloride	1.374	62	499	0.590	ug/l	94
6) Chloroethane	1.648	64	191	0.423	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.331	101	443	0.573	ug/l #	68
12) 1,1-Dichloroethene	2.313	96	1260	1.737	ug/l #	95
16) Acetone	2.386	43	256	0.560	ug/l #	48
20) Methylene Chloride	2.782	84	242	0.276	ug/l #	50
21) trans-1,2-Dichloroethene	3.087	96	297	0.407	ug/l #	72
24) 1,1-Dichloroethane	3.611	63	2487	1.667	ug/l #	85
27) cis-1,2-Dichloroethene	4.489	96	20620	23.474	ug/l	89
31) Cyclohexane	5.556	56	1669	1.228	ug/l #	44
36) 1,1-Dichloropropene	5.544	75	6156	5.216	ug/l #	51
38) Carbon Tetrachloride	5.550	117	6927	5.224	ug/l #	16
39) Methylcyclohexane	7.123	83	2748	1.809	ug/l #	1
42) 1,2-Dichloroethane	6.123	62	477	0.320	ug/l #	78
44) Trichloroethene	7.123	130	188738	226.852	ug/l	96
51) 4-Methyl-2-Pentanone	8.647	43	855	0.579	ug/l #	1
60) Dibromochloromethane	9.275	129	366	0.399	ug/l #	10
64) Tetrachloroethene	9.275	164	331	0.414	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	32774	28.891	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32774	94.061	ug/l #	1

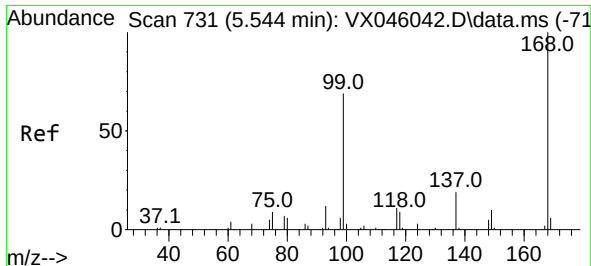
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046500.D
Acq On : 04 Jun 2025 15:02
Operator : JC/MD
Sample : Q2200-05 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-060325

Quant Time: Jun 05 01:56:36 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

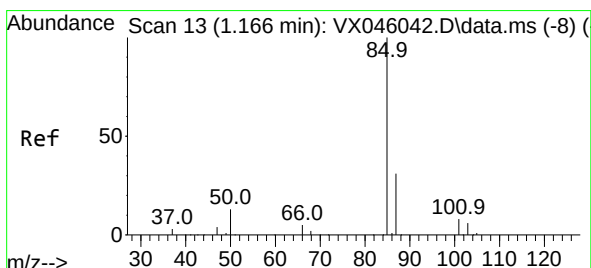
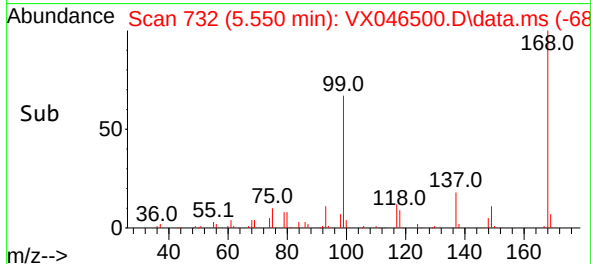
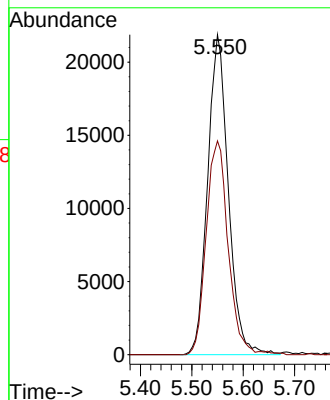
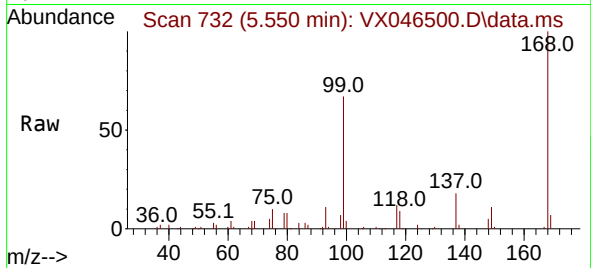




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

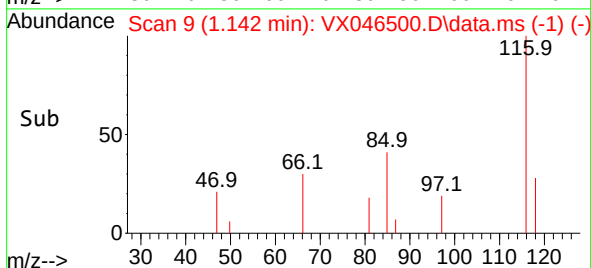
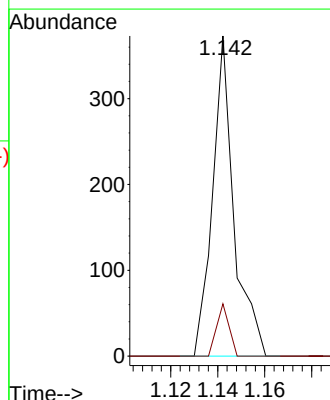
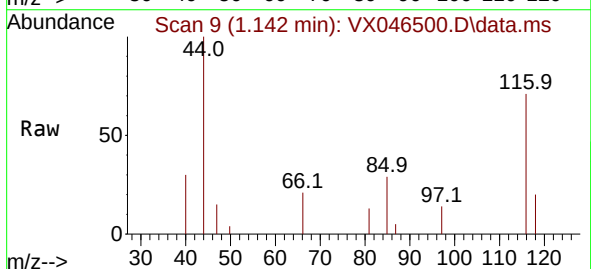
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-060325

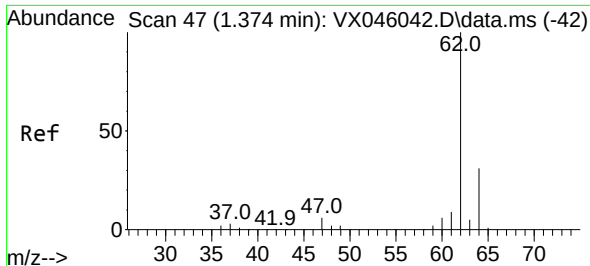
Tgt Ion:168 Resp: 61191
Ion Ratio Lower Upper
168 100
99 66.8 54.9 82.3



#2
Dichlorodifluoromethane
Concen: 0.251 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.024 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

Tgt Ion: 85 Resp: 235
Ion Ratio Lower Upper
85 100
87 16.4 15.7 47.1

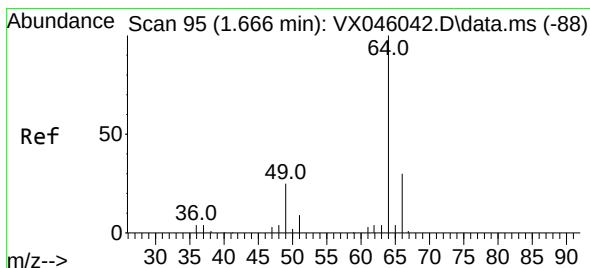
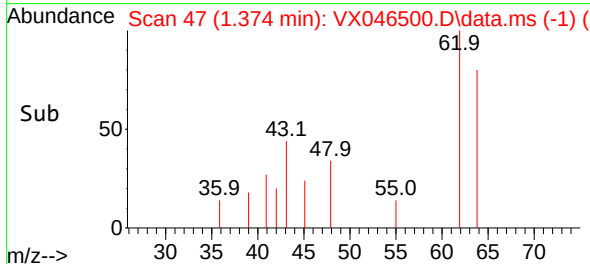
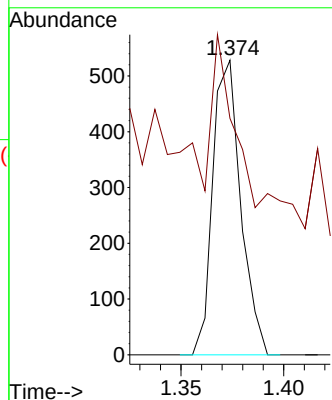
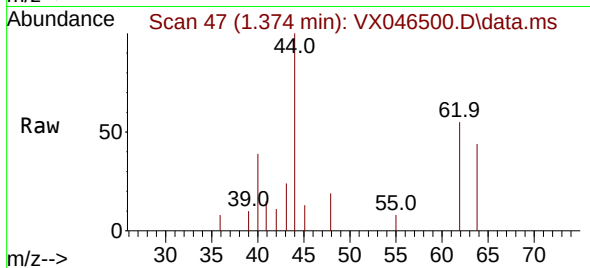




#4
Vinyl Chloride
Concen: 0.590 ug/l
RT: 1.374 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

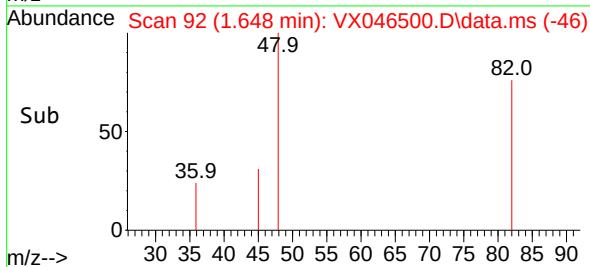
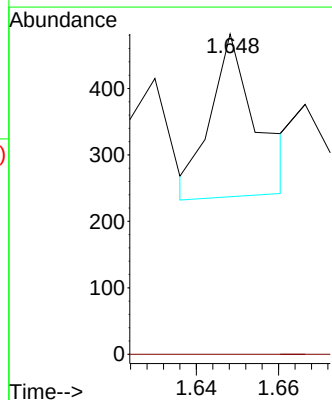
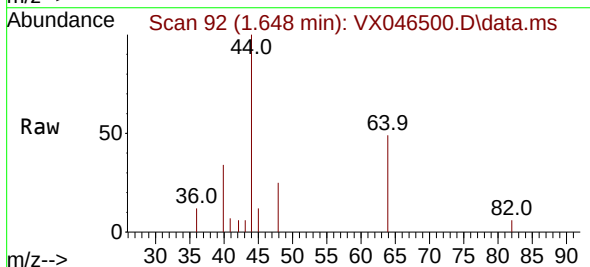
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-060325

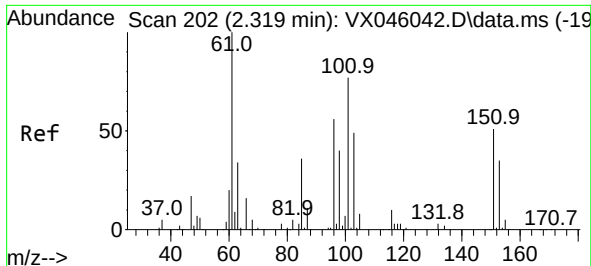
Tgt Ion: 62 Resp: 499
Ion Ratio Lower Upper
62 100
64 28.0 25.2 37.8



#6
Chloroethane
Concen: 0.423 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.018 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

Tgt Ion: 64 Resp: 191
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

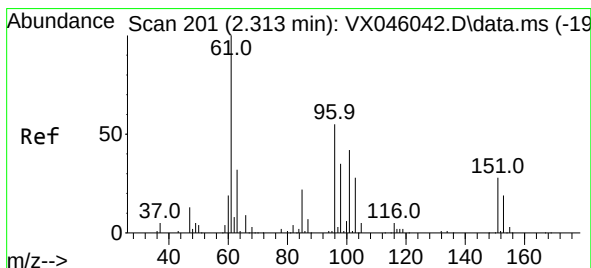
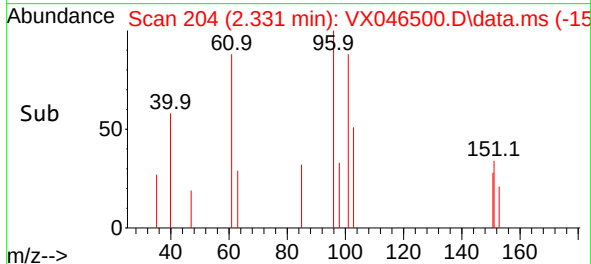
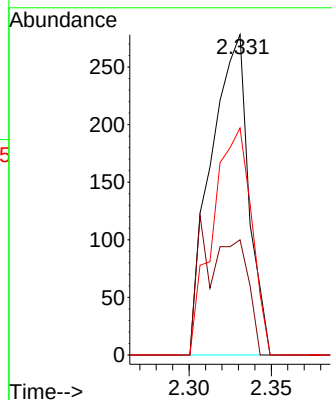
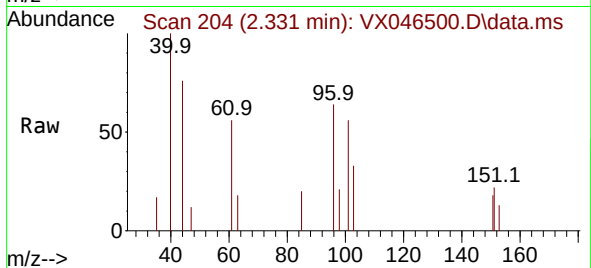




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.573 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.012 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

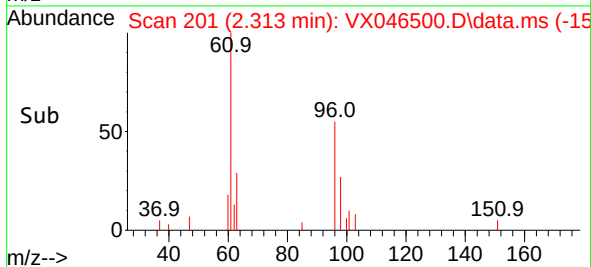
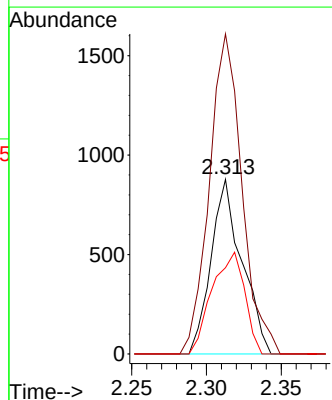
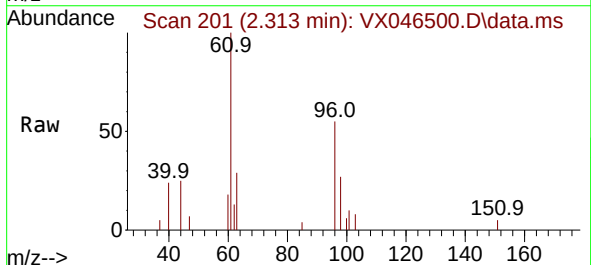
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-060325

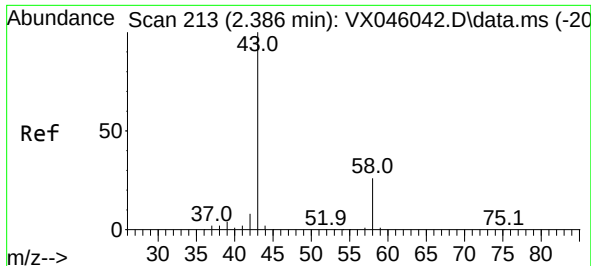
Tgt Ion:101 Resp: 443
Ion Ratio Lower Upper
101 100
85 0.0 38.6 58.0#
151 73.1 55.2 82.8



#12
1,1-Dichloroethene
Concen: 1.737 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

Tgt Ion: 96 Resp: 1260
Ion Ratio Lower Upper
96 100
61 183.3 146.2 219.2
98 49.4 51.0 76.6#

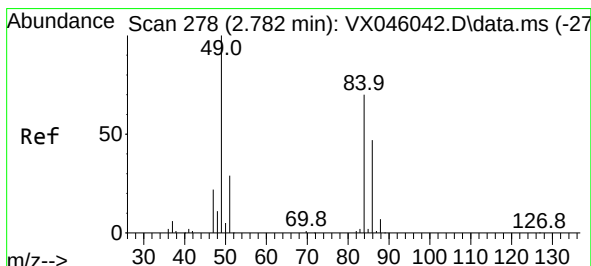
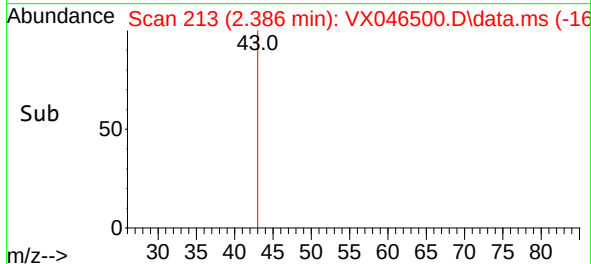
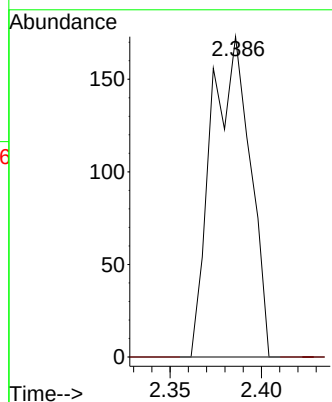
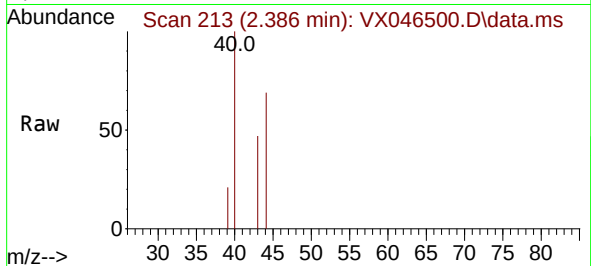




#16
Acetone
Concen: 0.560 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

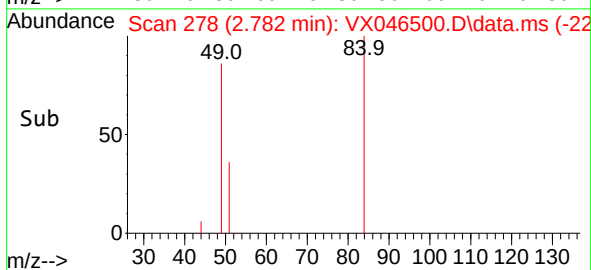
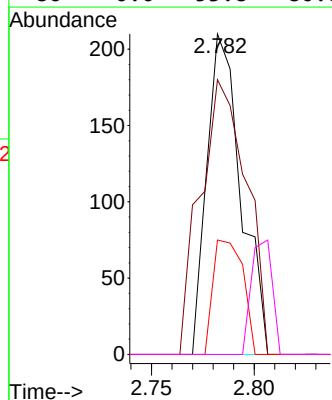
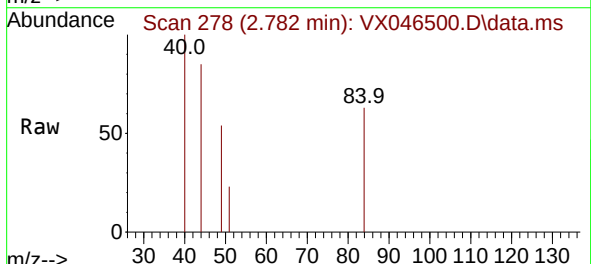
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-060325

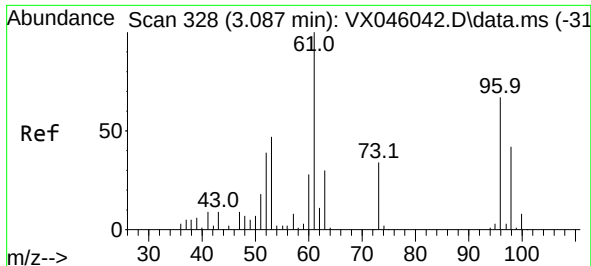
Tgt Ion: 43 Resp: 256
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#



#20
Methylene Chloride
Concen: 0.276 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

Tgt Ion: 84 Resp: 242
Ion Ratio Lower Upper
84 100
49 85.7 113.9 170.9#
51 35.7 33.5 50.3
86 0.0 53.8 80.8#

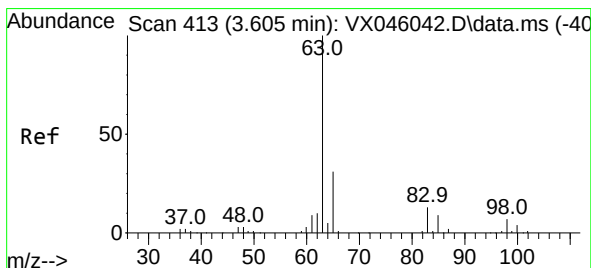
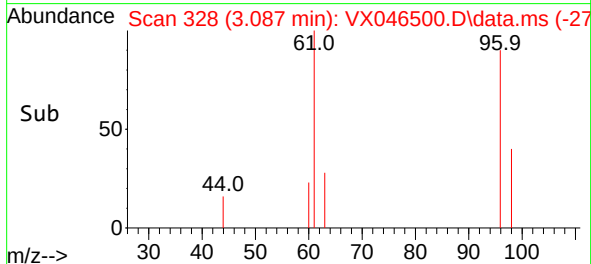
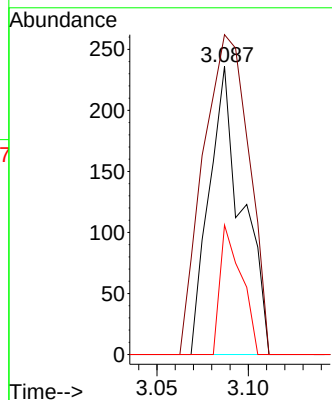
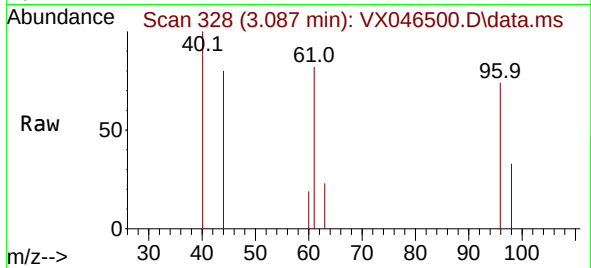




#21
trans-1,2-Dichloroethene
Concen: 0.407 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

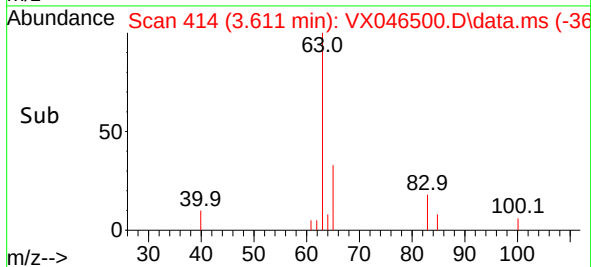
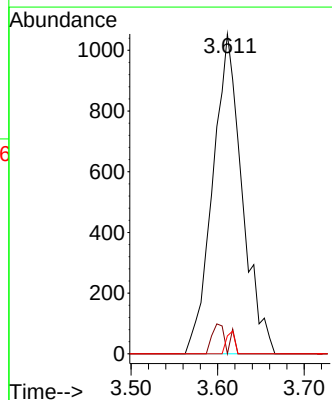
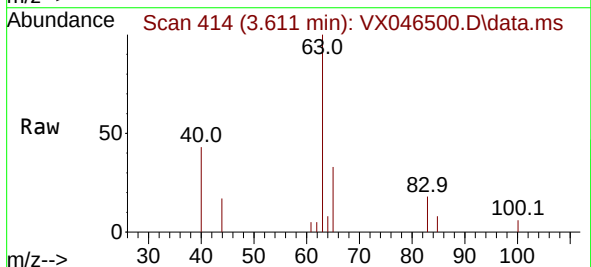
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-060325

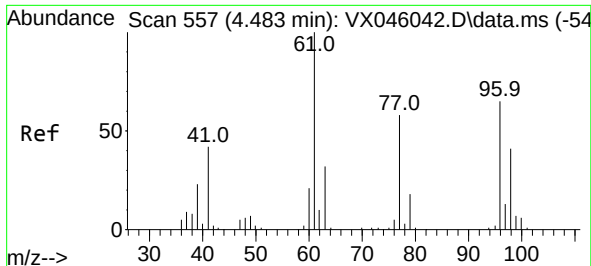
Tgt Ion: 96 Resp: 297
Ion Ratio Lower Upper
96 100
61 111.0 119.5 179.3#
98 44.9 50.0 75.0#



#24
1,1-Dichloroethane
Concen: 1.667 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

Tgt Ion: 63 Resp: 2487
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.8#
100 5.6 2.1 6.3





#27

cis-1,2-Dichloroethene

Concen: 23.474 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX046500.D

Acq: 04 Jun 2025 15:02

Instrument :

MSVOA_X

ClientSampleId :

MW-11B-37.5-060325

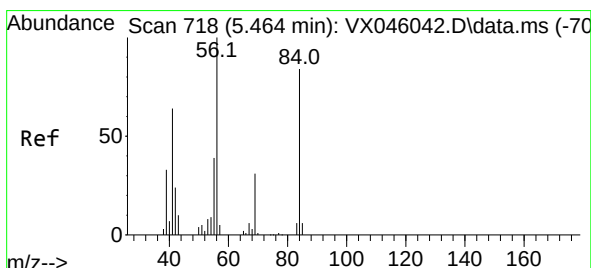
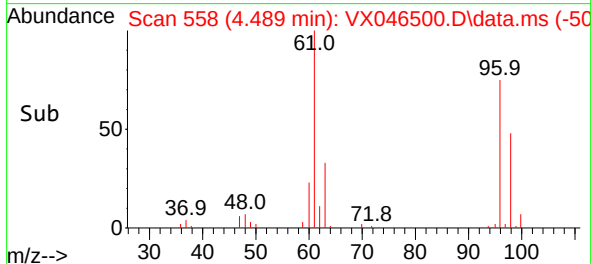
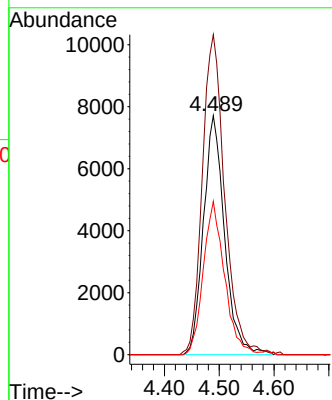
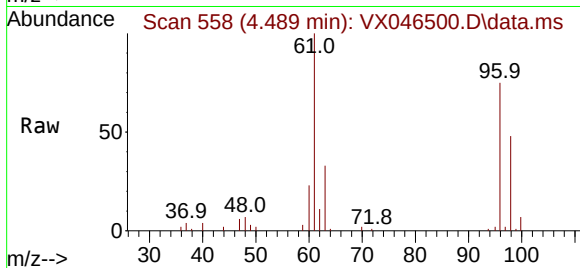
Tgt Ion: 96 Resp: 20620

Ion Ratio Lower Upper

96 100

61 141.8 0.0 322.8

98 64.3 0.0 129.0



#31

Cyclohexane

Concen: 1.228 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.092 min

Lab File: VX046500.D

Acq: 04 Jun 2025 15:02

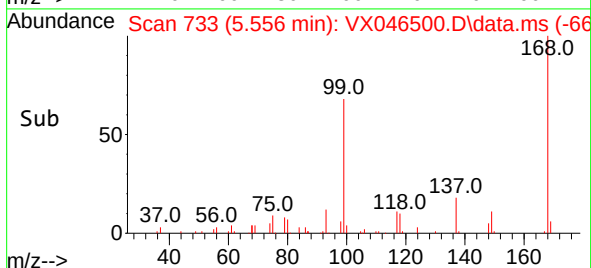
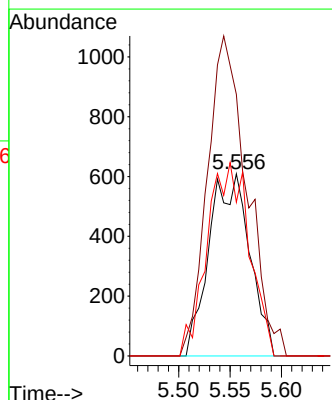
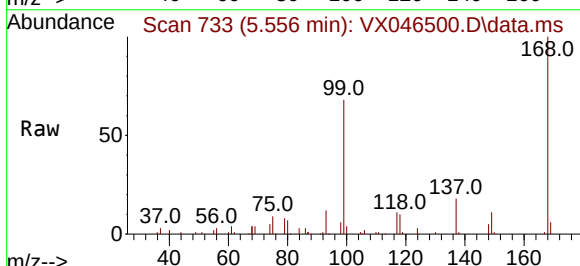
Tgt Ion: 56 Resp: 1669

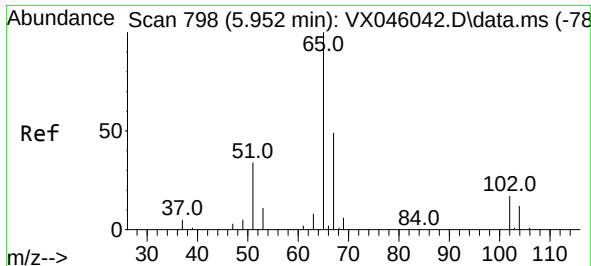
Ion Ratio Lower Upper

56 100

69 143.7 24.4 36.6#

84 84.4 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 52.107 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046500.D

Acq: 04 Jun 2025 15:02

Instrument :

MSVOA_X

ClientSampleId :

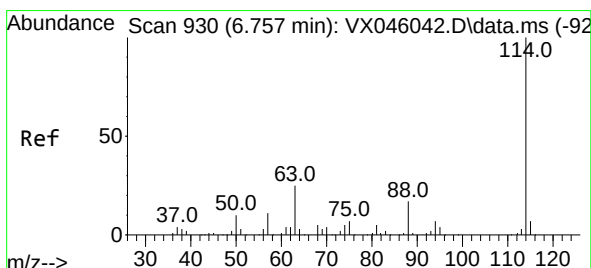
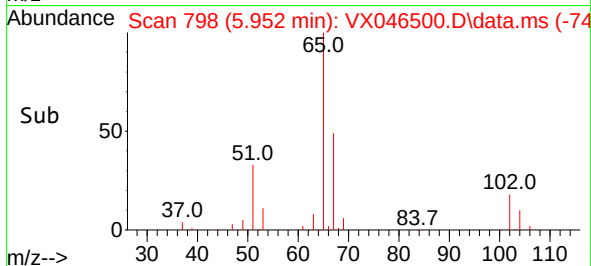
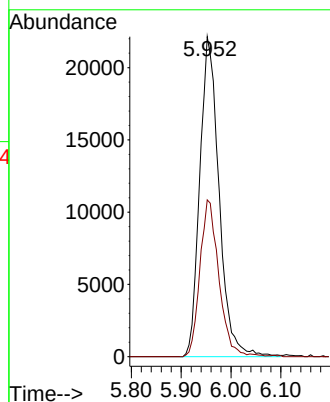
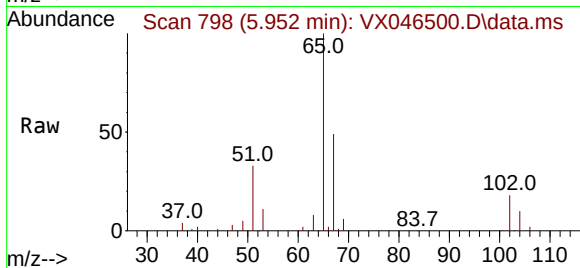
MW-11B-37.5-060325

Tgt Ion: 65 Resp: 59444

Ion Ratio Lower Upper

65 100

67 48.2 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: VX046500.D

Acq: 04 Jun 2025 15:02

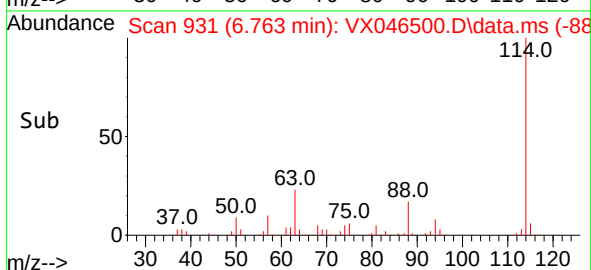
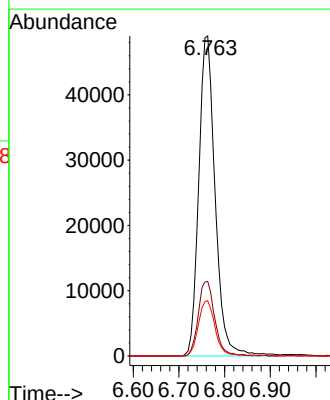
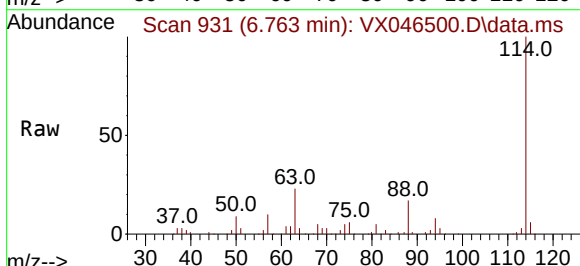
Tgt Ion: 114 Resp: 121976

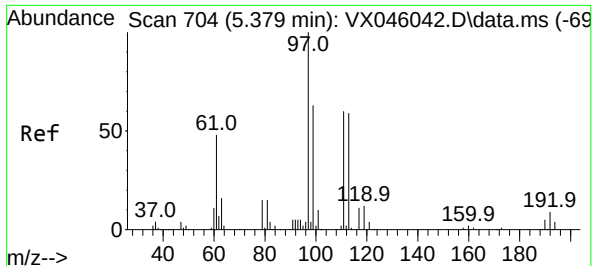
Ion Ratio Lower Upper

114 100

63 23.3 0.0 49.2

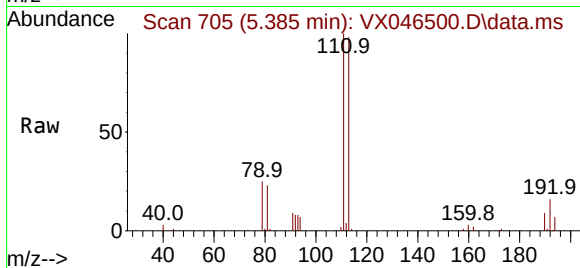
88 17.3 0.0 33.6



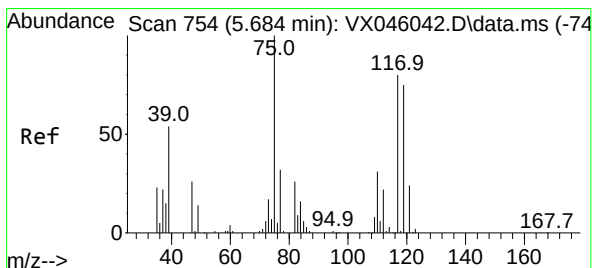
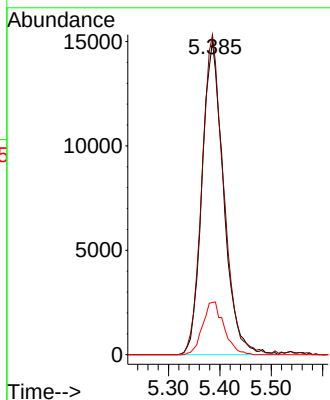
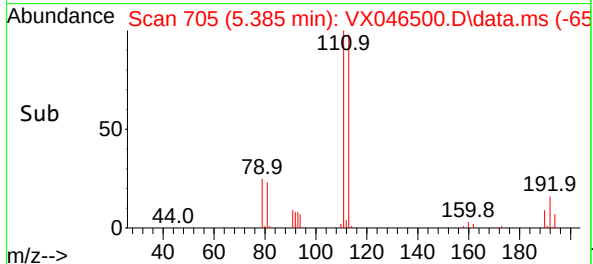


#35
Dibromofluoromethane
Concen: 49.826 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

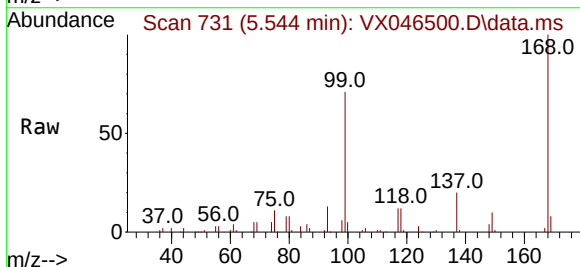
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-060325



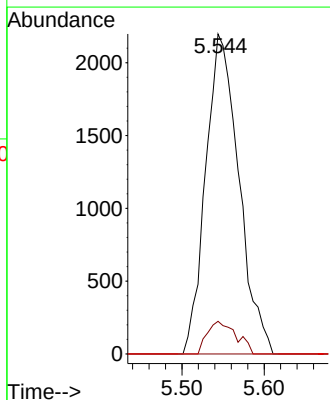
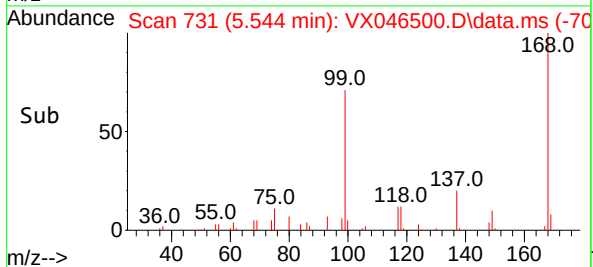
Tgt Ion:113 Resp: 43765
Ion Ratio Lower Upper
113 100
111 102.4 83.1 124.7
192 16.6 13.3 19.9

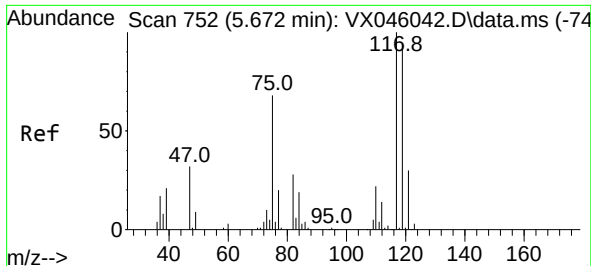


#36
1,1-Dichloropropene
Concen: 5.216 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02



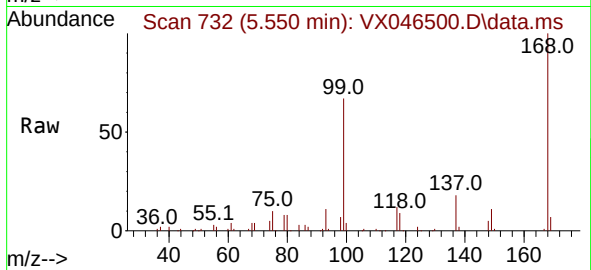
Tgt Ion: 75 Resp: 6156
Ion Ratio Lower Upper
75 100
110 8.9 16.3 48.9#
77 0.0 24.3 36.5#



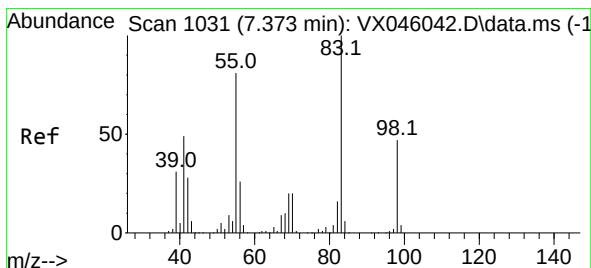
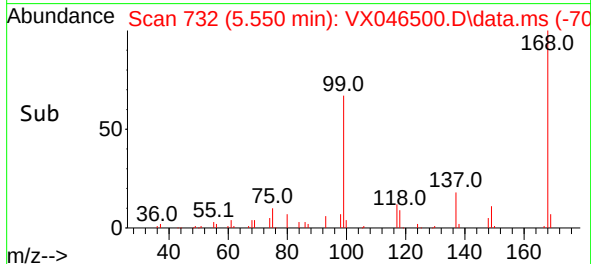
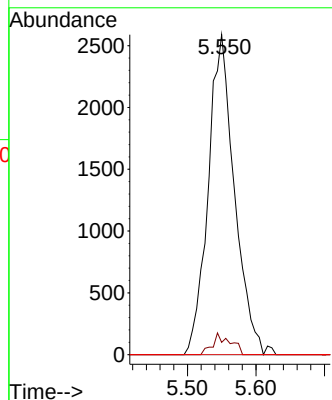


#38
Carbon Tetrachloride
Concen: 5.224 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-060325

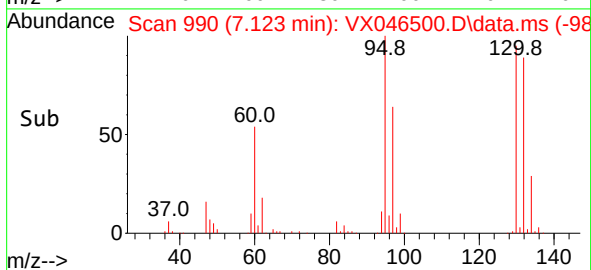
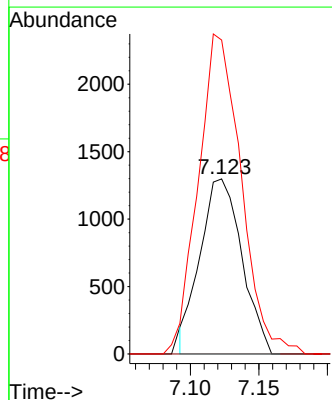
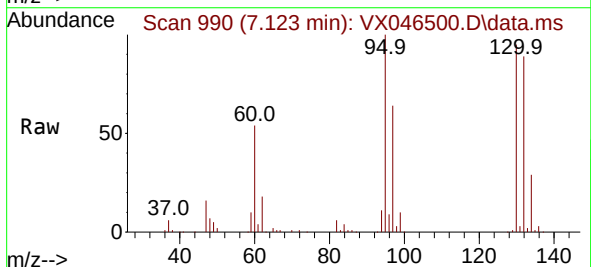


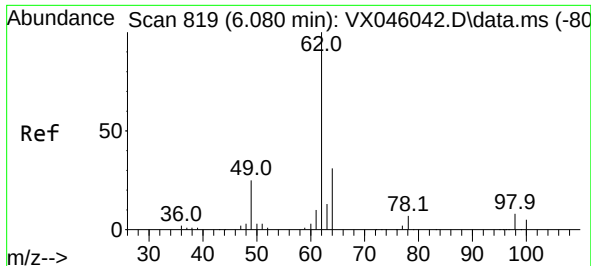
Tgt Ion:117 Resp: 6927
Ion Ratio Lower Upper
117 100
119 3.8 75.2 112.8#
121 0.0 24.2 36.4#



#39
Methylcyclohexane
Concen: 1.809 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

Tgt Ion: 83 Resp: 2748
Ion Ratio Lower Upper
83 100
55 0.0 64.7 97.1#
98 170.6 37.4 56.2#





#42

1,2-Dichloroethane

Concen: 0.320 ug/l

RT: 6.123 min Scan# 819

Delta R.T. 0.043 min

Lab File: VX046500.D

Acq: 04 Jun 2025 15:02

Instrument :

MSVOA_X

ClientSampleId :

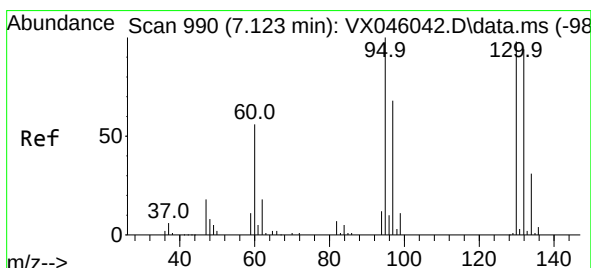
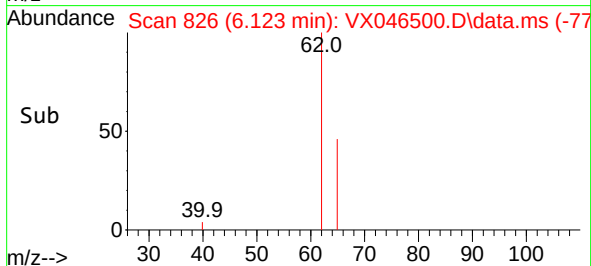
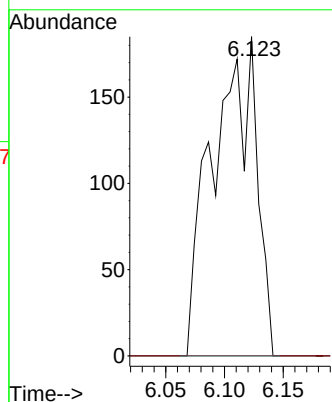
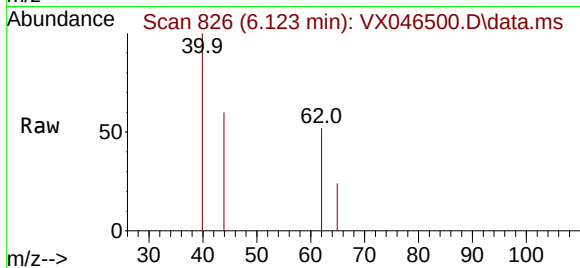
MW-11B-37.5-060325

Tgt Ion: 62 Resp: 477

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.2



#44

Trichloroethene

Concen: 226.852 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX046500.D

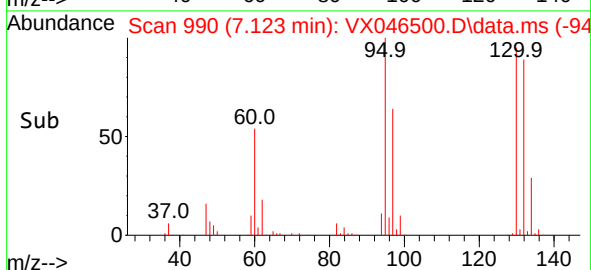
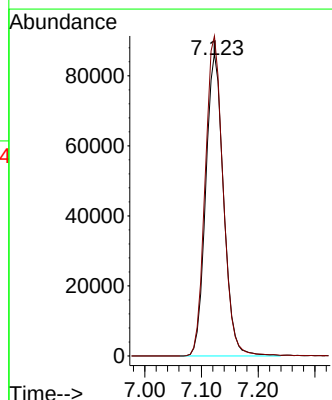
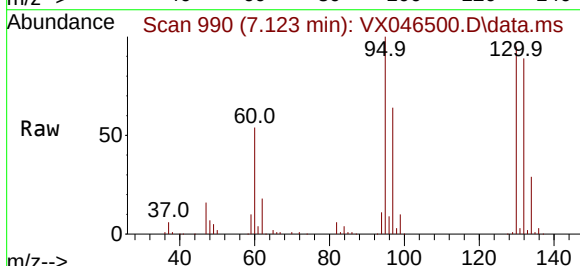
Acq: 04 Jun 2025 15:02

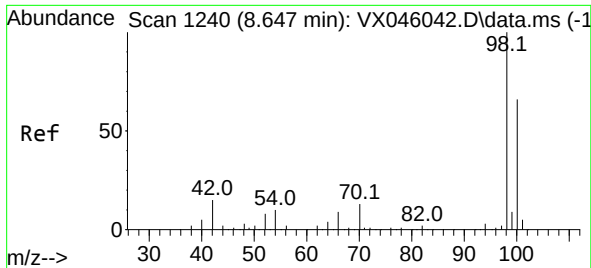
Tgt Ion:130 Resp: 188738

Ion Ratio Lower Upper

130 100

95 105.8 0.0 204.2

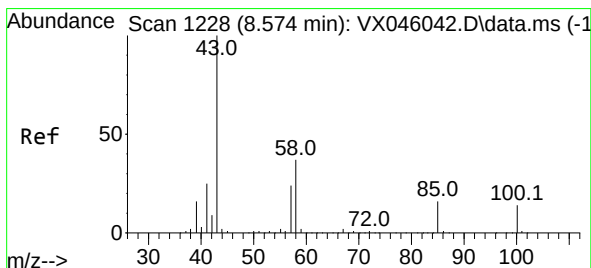
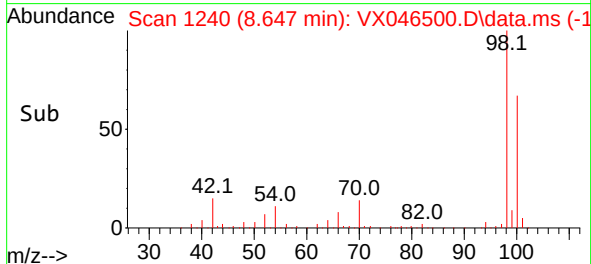
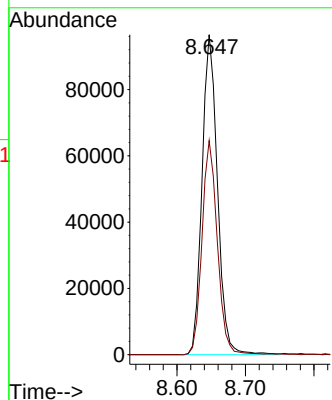
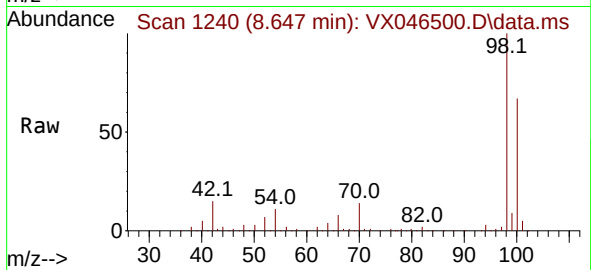




#50
Toluene-d8
Concen: 49.819 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

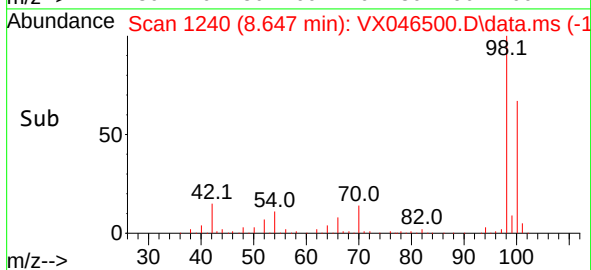
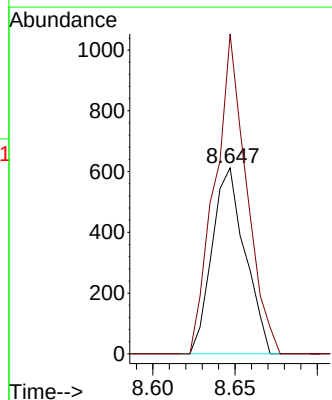
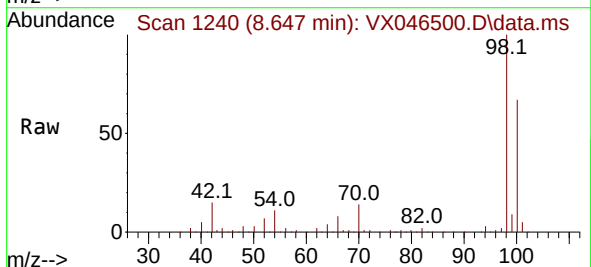
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-060325

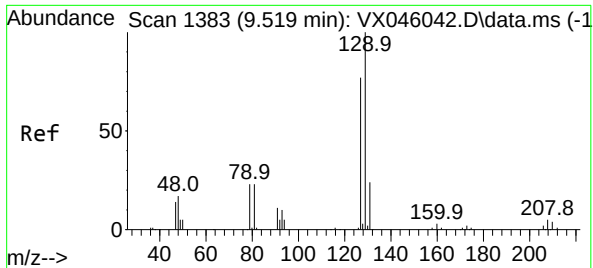
Tgt Ion: 98 Resp: 151455
Ion Ratio Lower Upper
98 100
100 66.5 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.579 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

Tgt Ion: 43 Resp: 855
Ion Ratio Lower Upper
43 100
58 164.7 28.9 43.3#

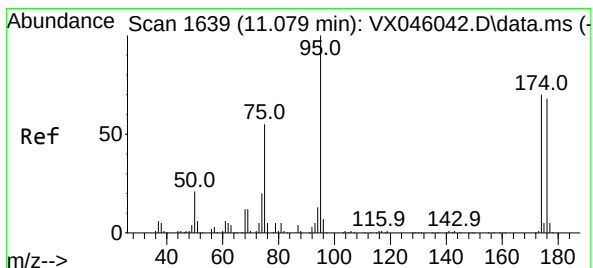
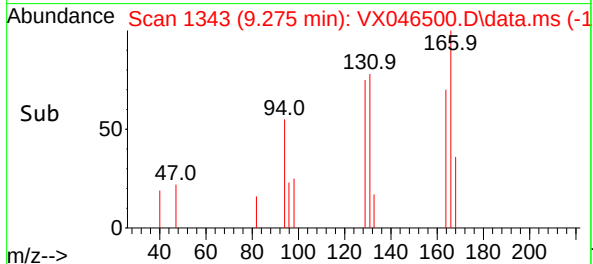
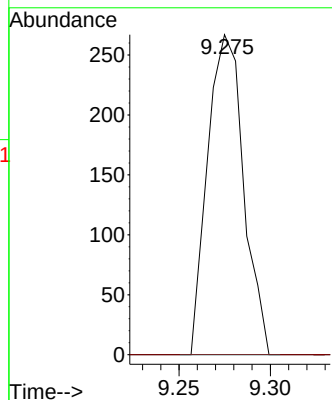
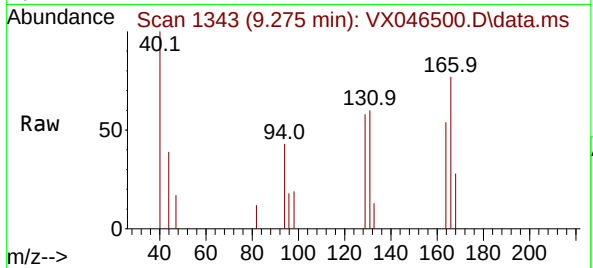




#60
Dibromochloromethane
Concen: 0.399 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

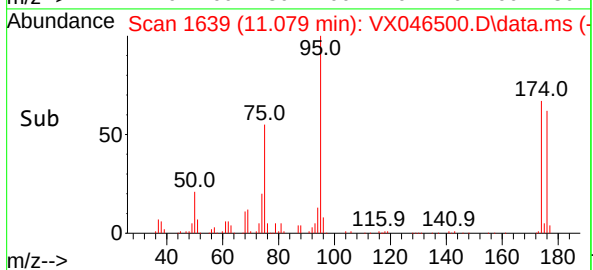
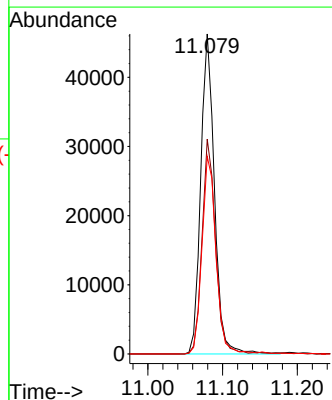
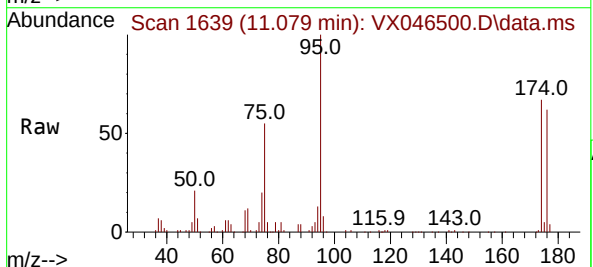
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-060325

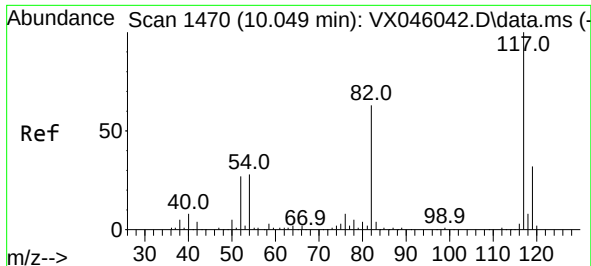
Tgt Ion:129 Resp: 366
Ion Ratio Lower Upper
129 100
127 0.0 39.3 117.8#



#62
4-Bromofluorobenzene
Concen: 50.602 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

Tgt Ion: 95 Resp: 59009
Ion Ratio Lower Upper
95 100
174 65.9 0.0 135.8
176 62.9 0.0 131.4

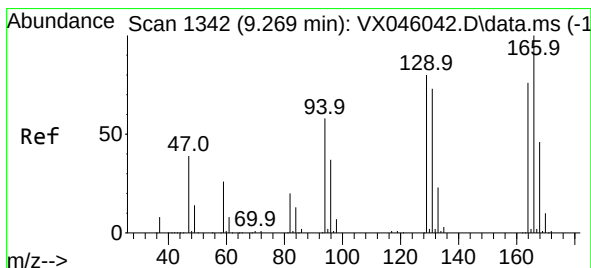
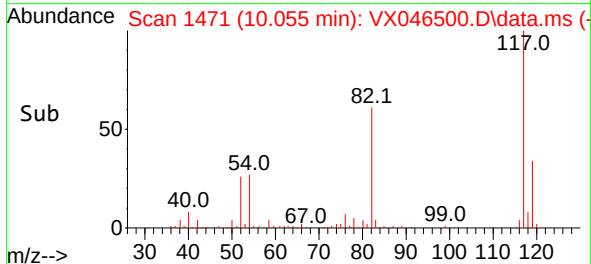
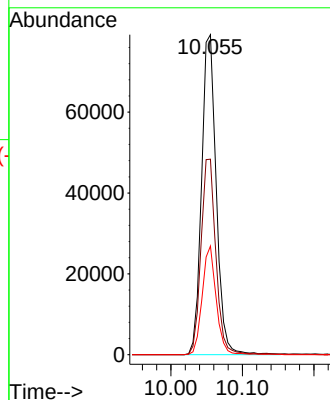
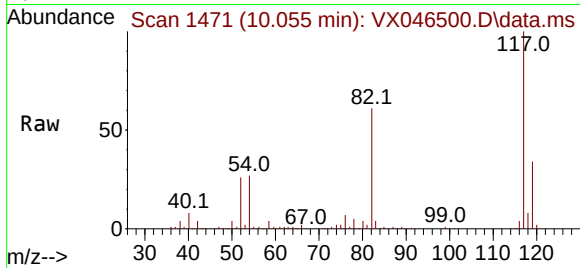




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

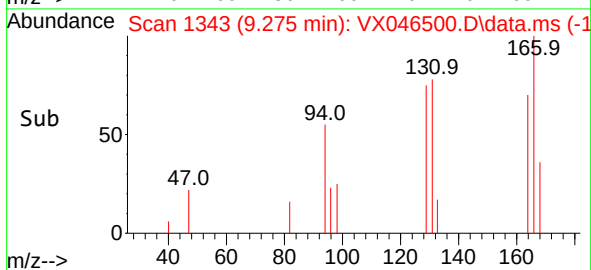
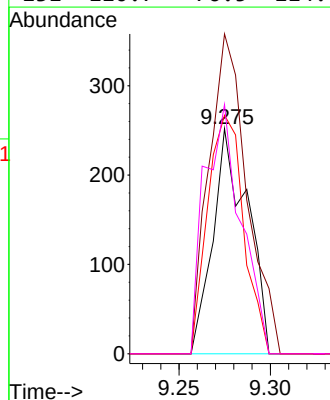
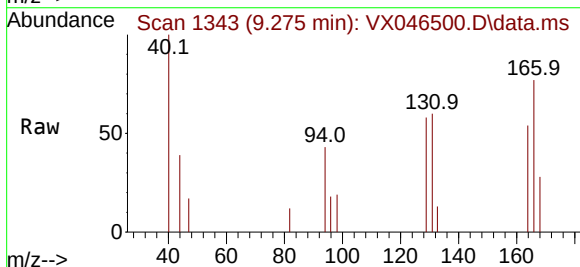
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-060325

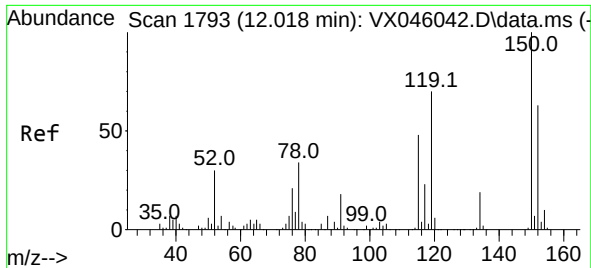
Tgt Ion:117 Resp: 112952
Ion Ratio Lower Upper
117 100
82 61.1 50.6 76.0
119 34.0 25.8 38.6



#64
Tetrachloroethene
Concen: 0.414 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

Tgt Ion:164 Resp: 331
Ion Ratio Lower Upper
164 100
166 142.1 105.0 157.6
129 106.0 83.5 125.3
131 110.7 76.5 114.7

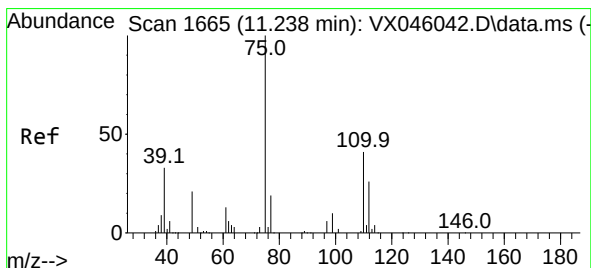
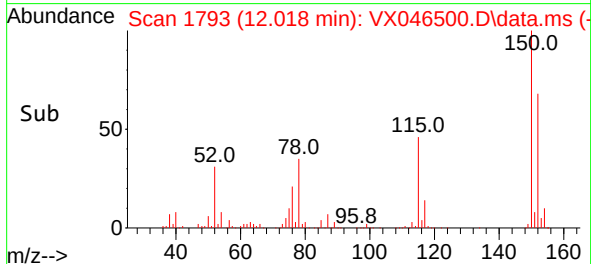
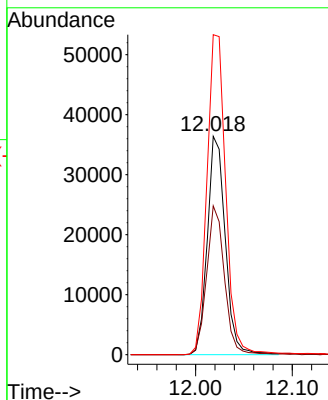
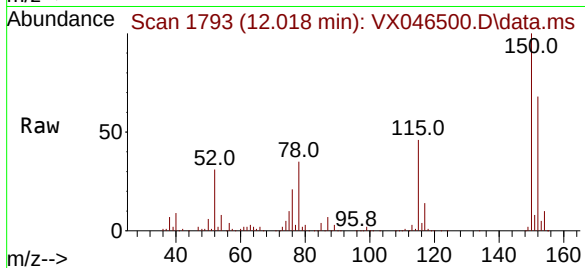




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX046500.D
 Acq: 04 Jun 2025 15:02

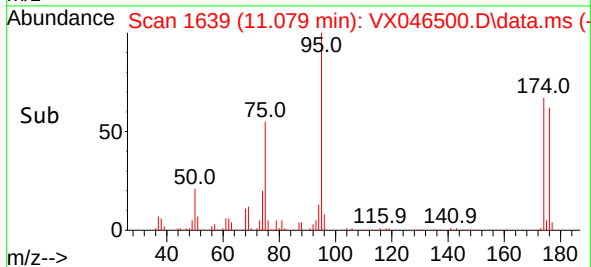
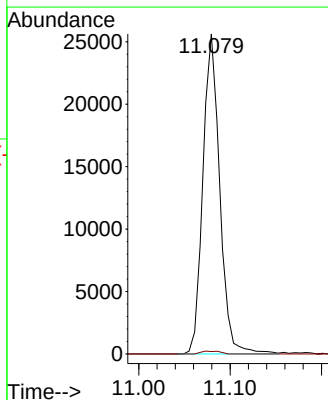
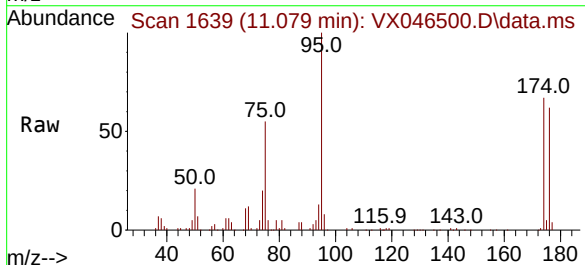
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11B-37.5-060325

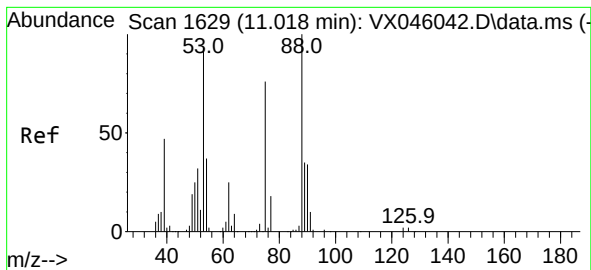
Tgt Ion:152 Resp: 47128
 Ion Ratio Lower Upper
 152 100
 115 67.6 46.9 140.7
 150 153.4 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 28.891 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX046500.D
 Acq: 04 Jun 2025 15:02

Tgt Ion: 75 Resp: 32774
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.061 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046500.D
 Acq: 04 Jun 2025 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11B-37.5-060325

Tgt Ion: 75 Resp: 32774
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.1 37.0 55.6#

