

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046611.D
 Acq On : 10 Jun 2025 18:11
 Operator : JC/MD
 Sample : Q2234-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17B-55-060425

Quant Time: Jun 11 01:53:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

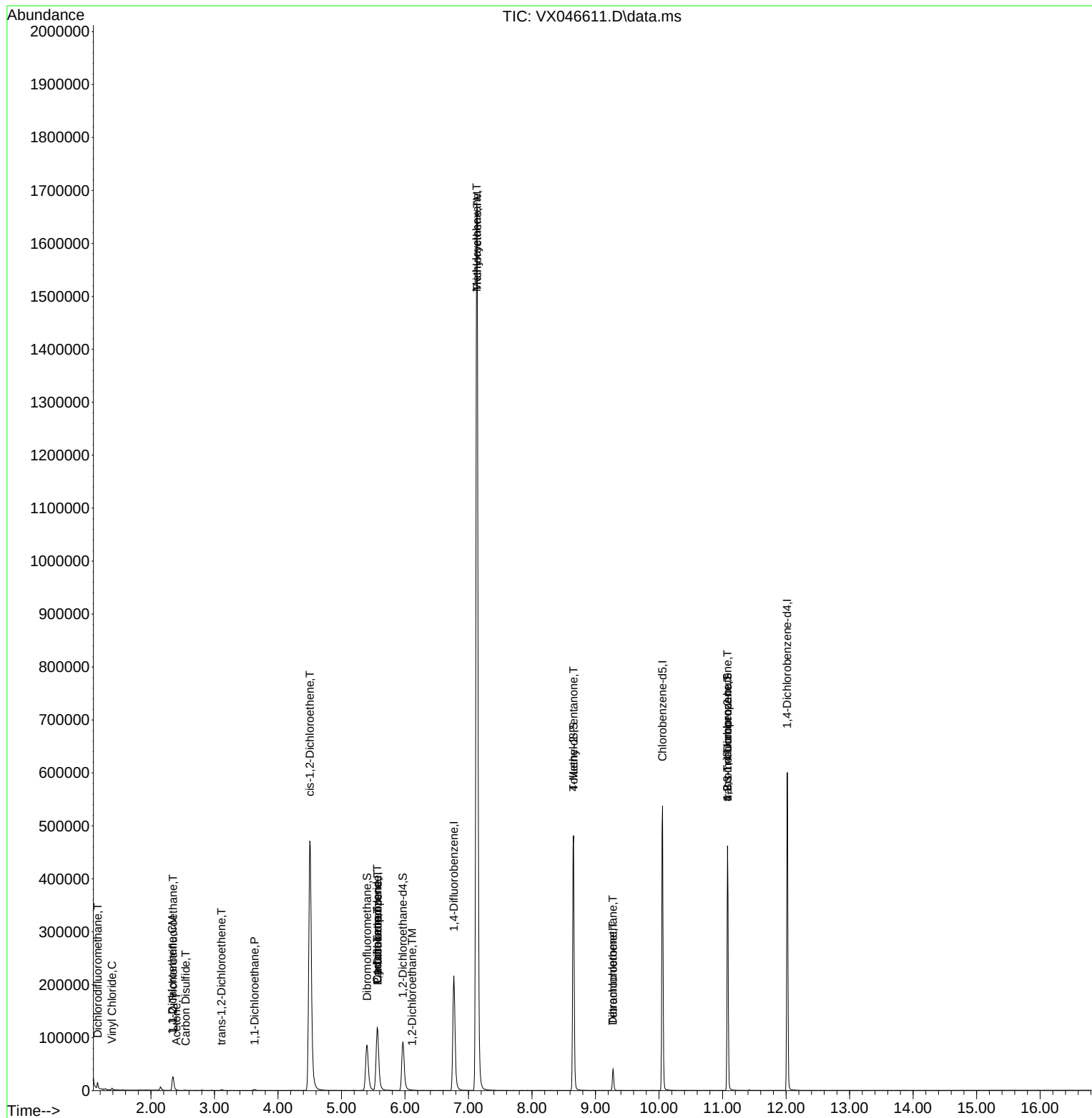
Internal Standards						
1) Pentafluorobenzene	5.568	168	110890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	220616	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	116641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99959	50.667	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.340%	
35) Dibromofluoromethane	5.404	113	81202	50.050	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.100%	
50) Toluene-d8	8.653	98	287387	53.729	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.460%	
62) 4-Bromofluorobenzene	11.079	95	123534	55.820	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 111.640%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.160	85	1118	0.726	ug/l	94
4) Vinyl Chloride	1.386	62	1884	1.349	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.349	101	8884	6.101	ug/l	93
12) 1,1-Dichloroethene	2.337	96	3540	2.689	ug/l	85
16) Acetone	2.398	43	602	5.357	ug/l	96
17) Carbon Disulfide	2.544	76	327	0.319	ug/l #	76
21) trans-1,2-Dichloroethene	3.111	96	604	0.434	ug/l #	75
24) 1,1-Dichloroethane	3.629	63	2494	0.878	ug/l #	82
27) cis-1,2-Dichloroethene	4.501	96	317398	185.057	ug/l	86
31) Cyclohexane	5.562	56	2904	1.266	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	10207	4.404	ug/l #	52
38) Carbon Tetrachloride	5.562	117	12724	4.902	ug/l #	16
39) Methylcyclohexane	7.129	83	8548	3.125	ug/l #	1
42) 1,2-Dichloroethane	6.111	62	729	0.269	ug/l #	78
44) Trichloroethene	7.135	130	662594	399.712	ug/l	97
51) 4-Methyl-2-Pentanone	8.653	43	1411	0.563	ug/l #	1
60) Dibromochloromethane	9.275	129	7309	3.862	ug/l #	10
64) Tetrachloroethene	9.275	164	7455	4.909	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	66366	26.862	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	66366	77.487	ug/l #	1

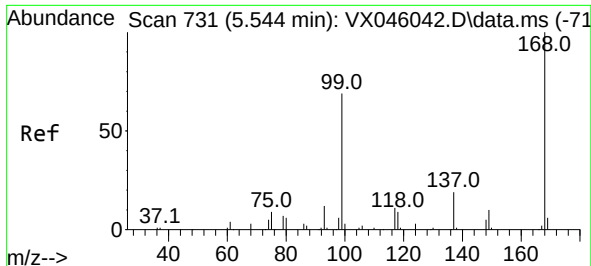
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-17B-55-060425

Quant Time: Jun 11 01:53:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

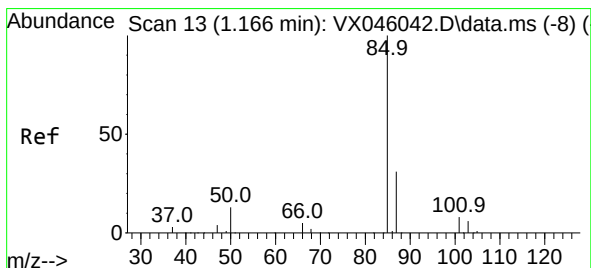
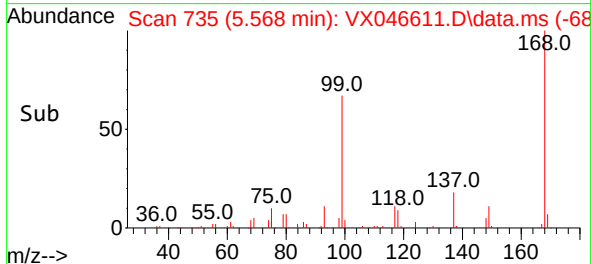
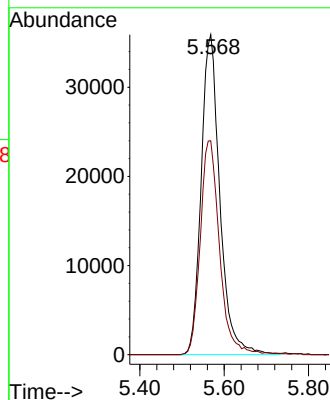
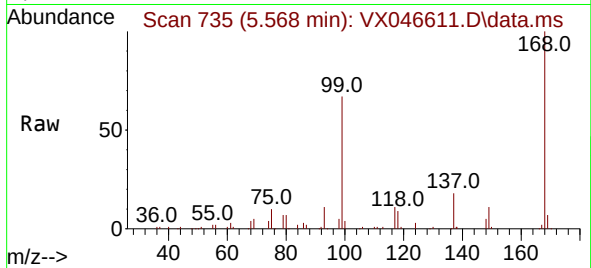




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046611.D
Acq: 10 Jun 2025 18:11

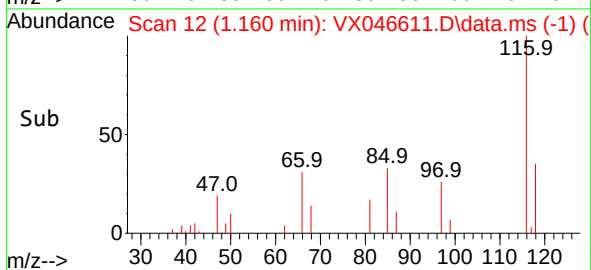
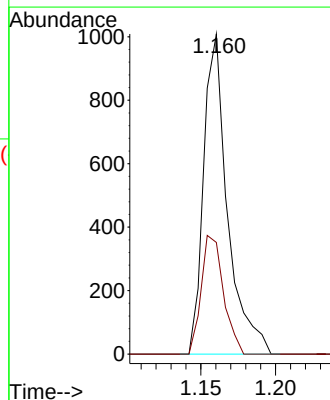
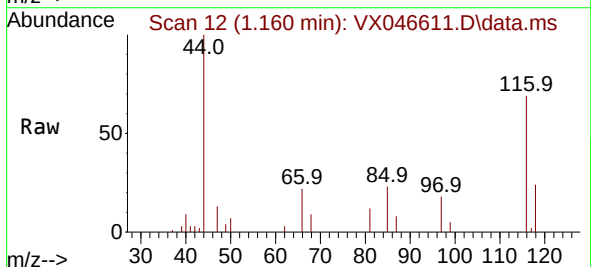
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-060425

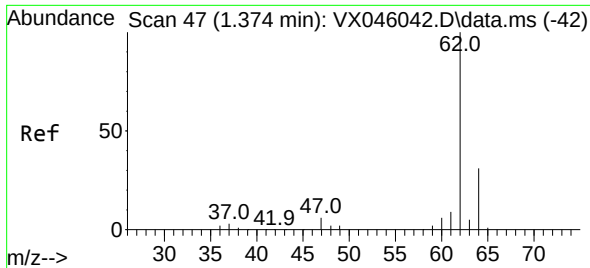
Tgt Ion:168 Resp: 110890
Ion Ratio Lower Upper
168 100
99 66.9 54.9 82.3



#2
Dichlorodifluoromethane
Concen: 0.726 ug/l
RT: 1.160 min Scan# 12
Delta R.T. -0.025 min
Lab File: VX046611.D
Acq: 10 Jun 2025 18:11

Tgt Ion: 85 Resp: 1118
Ion Ratio Lower Upper
85 100
87 34.9 15.7 47.1

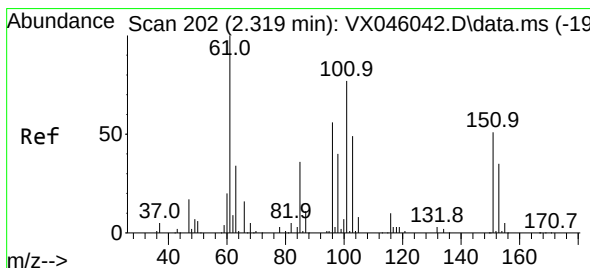
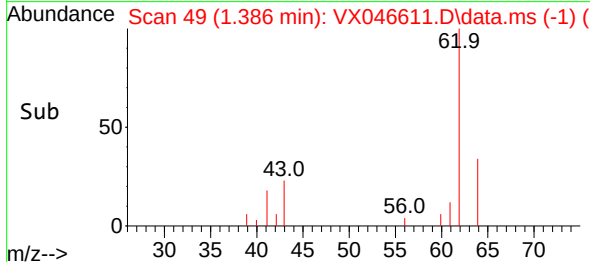
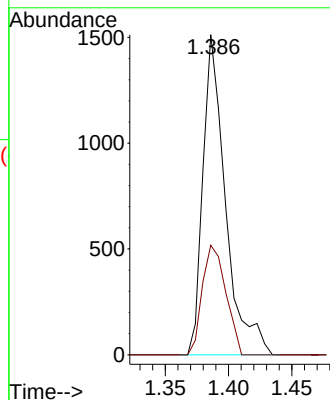
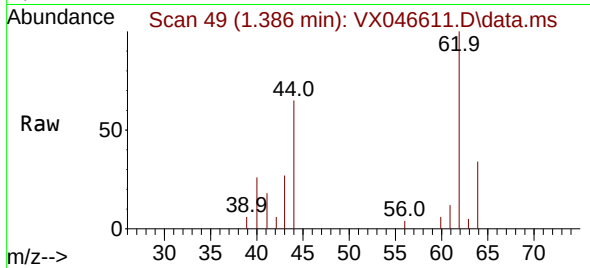




#4
 Vinyl Chloride
 Concen: 1.349 ug/l
 RT: 1.386 min Scan# 49
 Delta R.T. -0.000 min
 Lab File: VX046611.D
 Acq: 10 Jun 2025 18:11

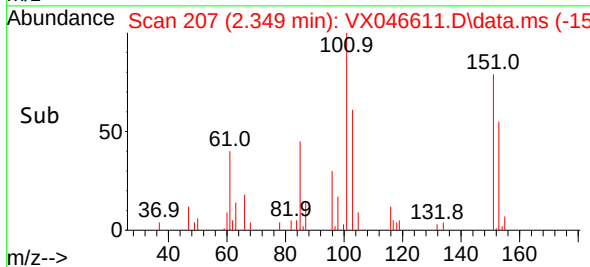
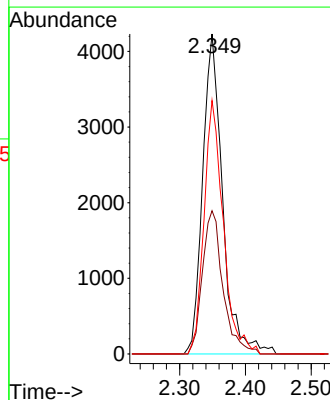
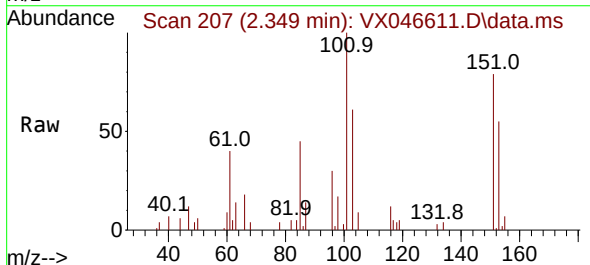
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17B-55-060425

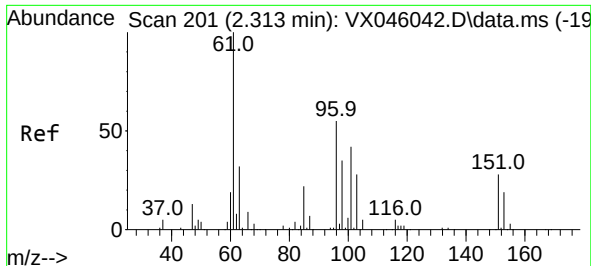
Tgt Ion: 62 Resp: 1884
 Ion Ratio Lower Upper
 62 100
 64 34.2 25.2 37.8



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 6.101 ug/l
 RT: 2.349 min Scan# 207
 Delta R.T. 0.000 min
 Lab File: VX046611.D
 Acq: 10 Jun 2025 18:11

Tgt Ion: 101 Resp: 8884
 Ion Ratio Lower Upper
 101 100
 85 46.3 38.6 58.0
 151 76.7 55.2 82.8





#12

1,1-Dichloroethene

Concen: 2.689 ug/l

RT: 2.337 min Scan# 205

Delta R.T. -0.000 min

Lab File: VX046611.D

Acq: 10 Jun 2025 18:11

Instrument :

MSVOA_X

ClientSampleId :

MW-17B-55-060425

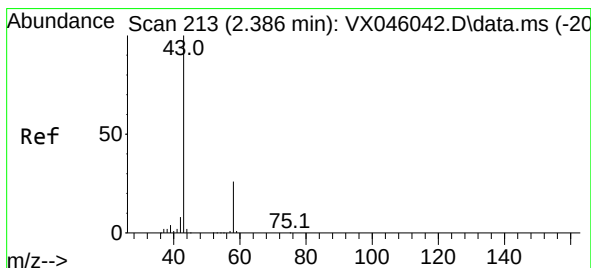
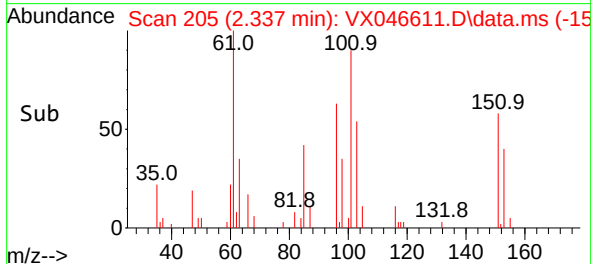
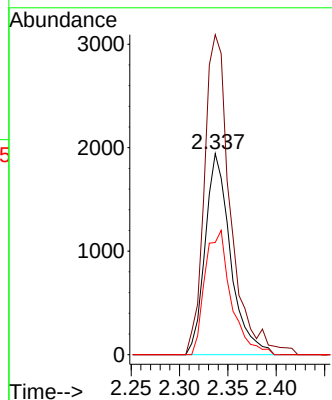
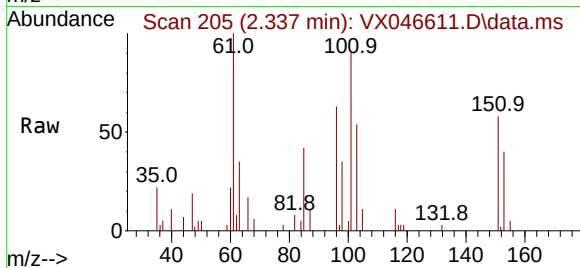
Tgt Ion: 96 Resp: 3540

Ion Ratio Lower Upper

96 100

61 159.1 146.2 219.2

98 55.7 51.0 76.6



#16

Acetone

Concen: 5.357 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.006 min

Lab File: VX046611.D

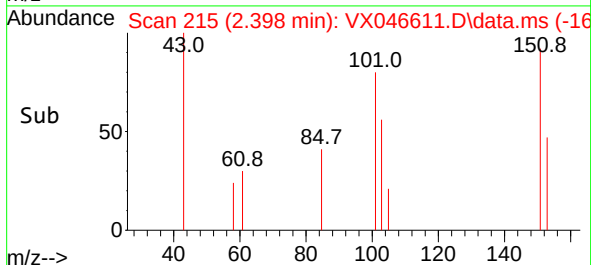
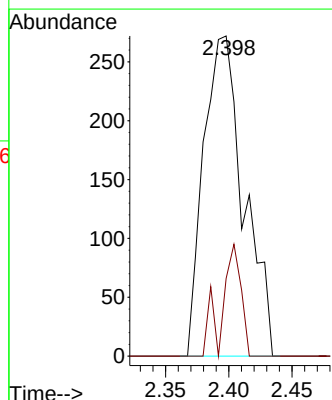
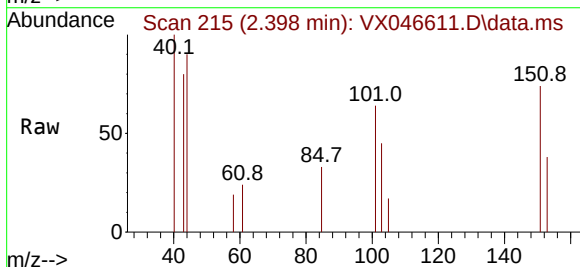
Acq: 10 Jun 2025 18:11

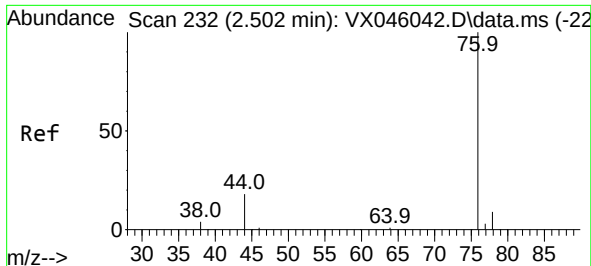
Tgt Ion: 43 Resp: 602

Ion Ratio Lower Upper

43 100

58 24.3 21.2 31.8





#17

Carbon Disulfide

Concen: 0.319 ug/l

RT: 2.544 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX046611.D

Acq: 10 Jun 2025 18:11

Instrument :

MSVOA_X

ClientSampleId :

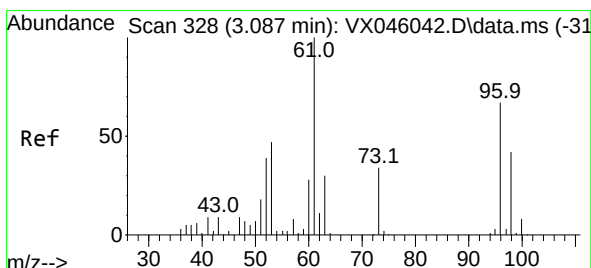
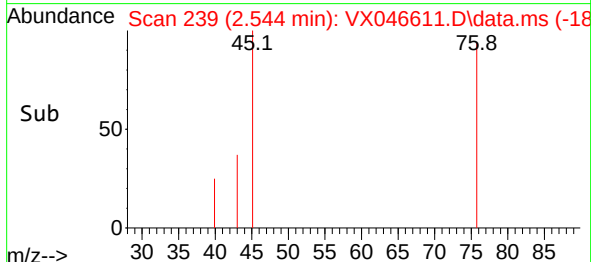
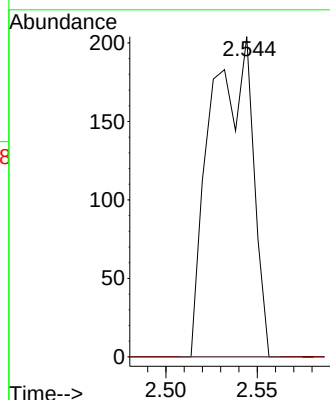
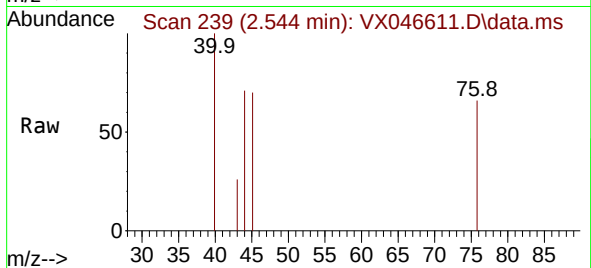
MW-17B-55-060425

Tgt Ion: 76 Resp: 327

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#21

trans-1,2-Dichloroethene

Concen: 0.434 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX046611.D

Acq: 10 Jun 2025 18:11

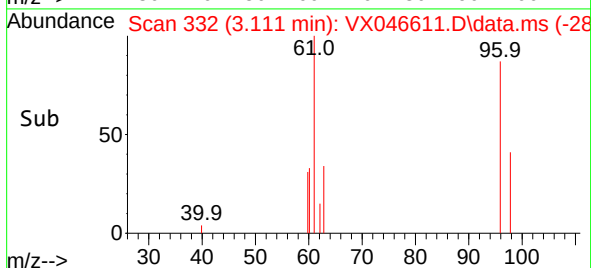
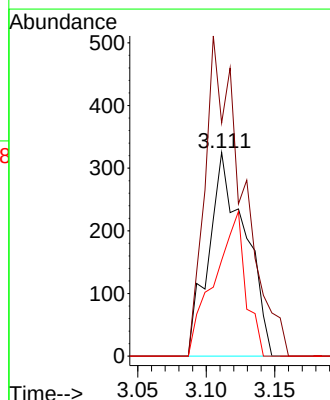
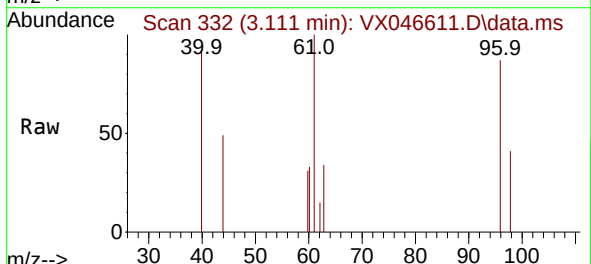
Tgt Ion: 96 Resp: 604

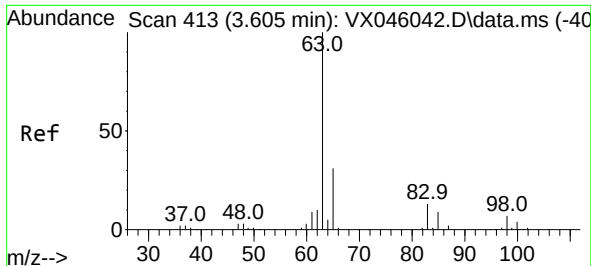
Ion Ratio Lower Upper

96 100

61 114.5 119.5 179.3#

98 47.1 50.0 75.0#





#24

1,1-Dichloroethane

Concen: 0.878 ug/l

RT: 3.629 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX046611.D

Acq: 10 Jun 2025 18:11

Instrument :

MSVOA_X

ClientSampleId :

MW-17B-55-060425

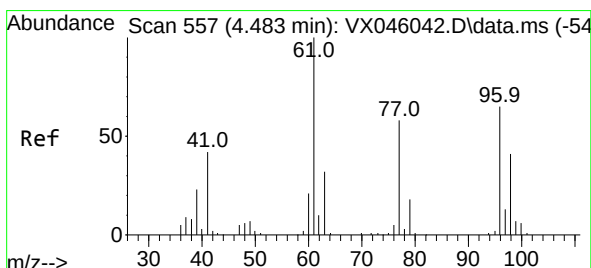
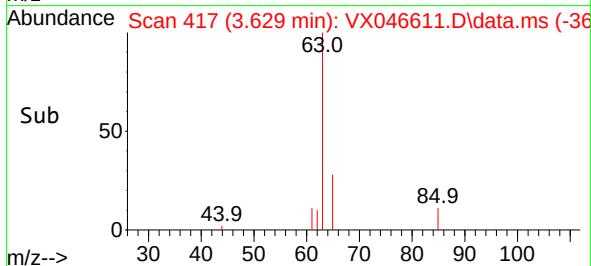
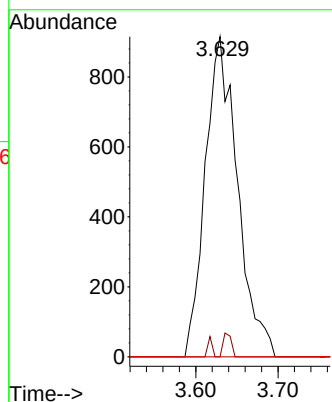
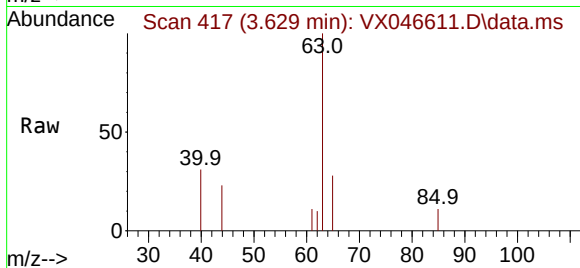
Tgt Ion: 63 Resp: 2494

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: 185.057 ug/l

RT: 4.501 min Scan# 560

Delta R.T. -0.006 min

Lab File: VX046611.D

Acq: 10 Jun 2025 18:11

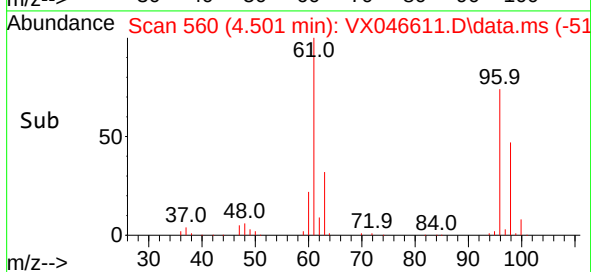
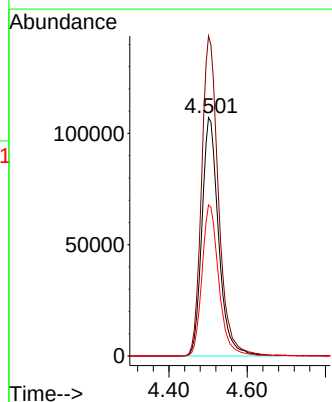
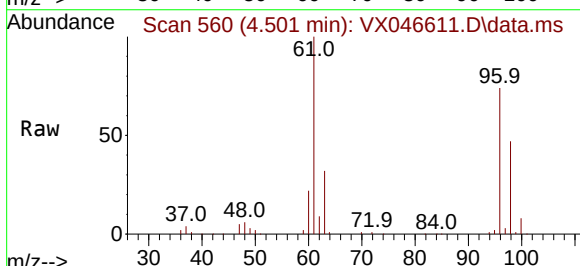
Tgt Ion: 96 Resp: 317398

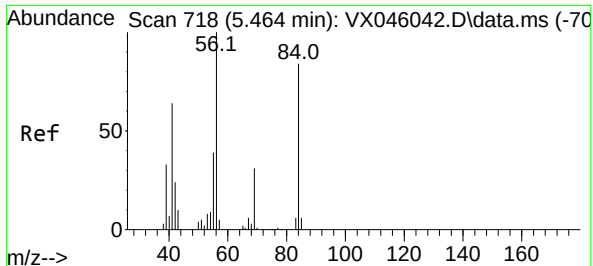
Ion Ratio Lower Upper

96 100

61 135.3 0.0 322.8

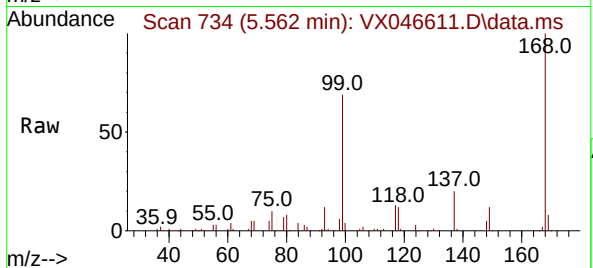
98 63.6 0.0 129.0



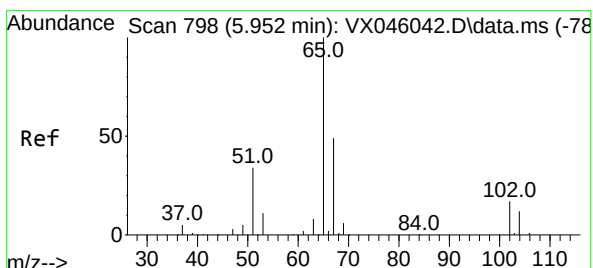
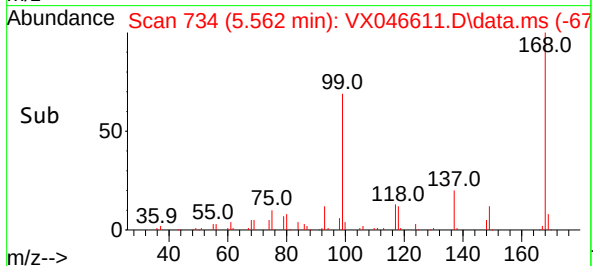
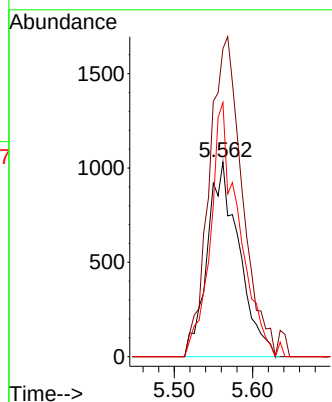


#31
Cyclohexane
Concen: 1.266 ug/l
RT: 5.562 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX046611.D
Acq: 10 Jun 2025 18:11

Instrument :
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ClientSampleId :
MW-17B-55-060425

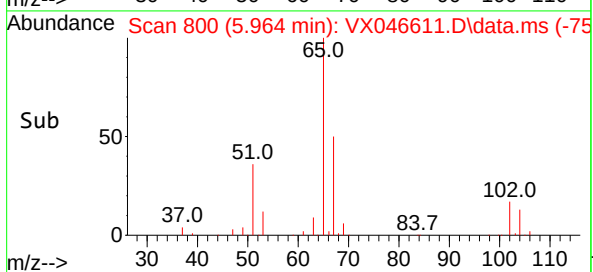
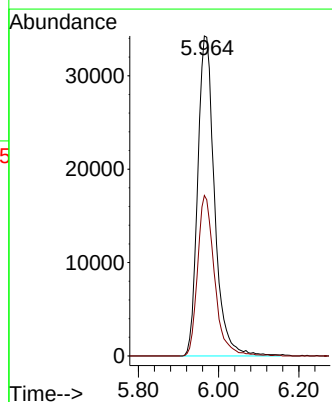
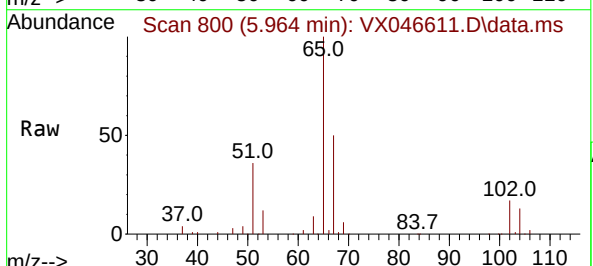


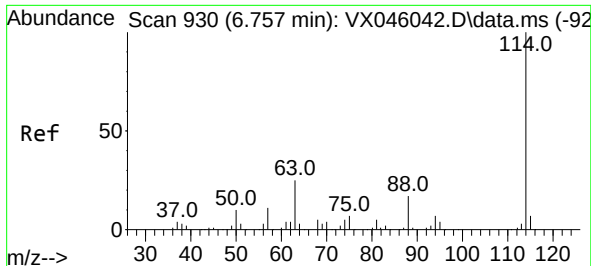
Tgt Ion: 56 Resp: 2904
Ion Ratio Lower Upper
56 100
69 158.1 24.4 36.6#
84 130.5 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 50.667 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.006 min
Lab File: VX046611.D
Acq: 10 Jun 2025 18:11

Tgt Ion: 65 Resp: 99959
Ion Ratio Lower Upper
65 100
67 50.3 0.0 99.0

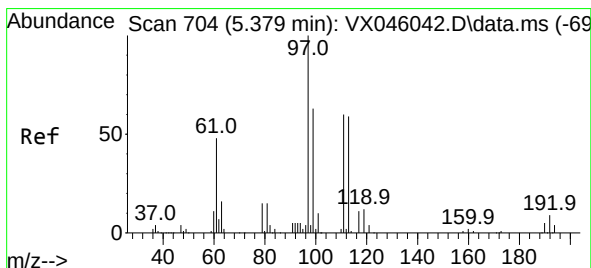
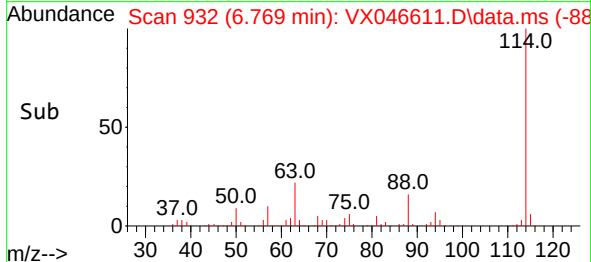
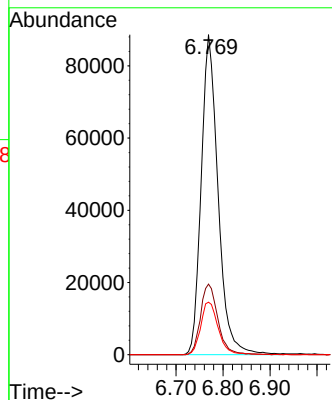
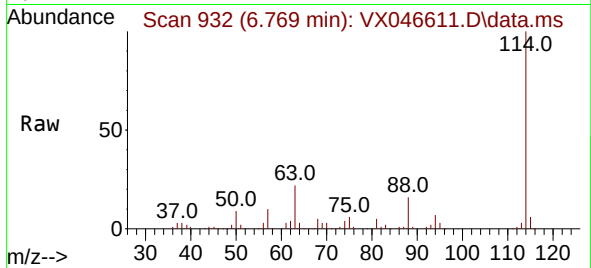




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046611.D
Acq: 10 Jun 2025 18:11

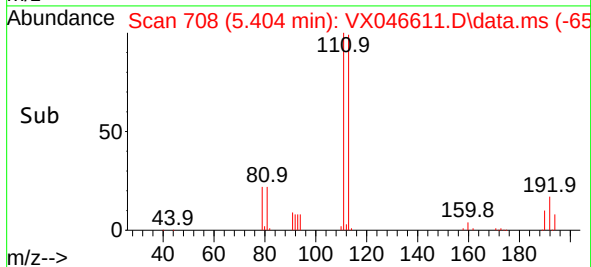
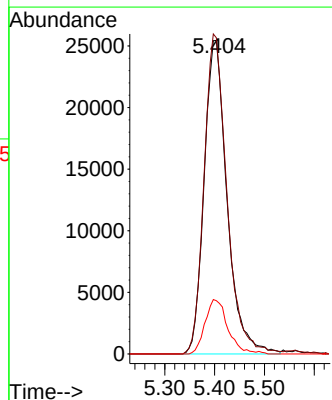
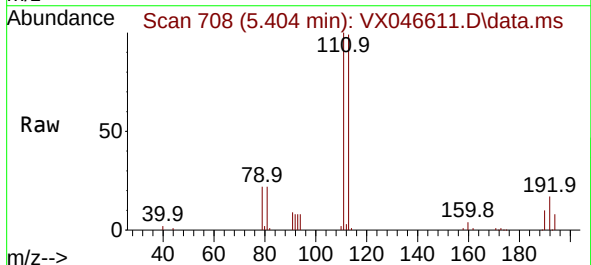
Instrument :
MSVOA_X
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MW-17B-55-060425

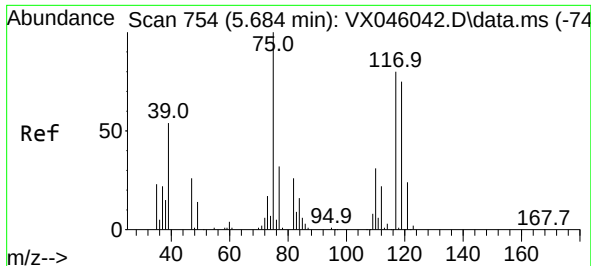
Tgt Ion:114 Resp: 220616
Ion Ratio Lower Upper
114 100
63 22.0 0.0 49.2
88 16.4 0.0 33.6



#35
Dibromofluoromethane
Concen: 50.050 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.001 min
Lab File: VX046611.D
Acq: 10 Jun 2025 18:11

Tgt Ion:113 Resp: 81202
Ion Ratio Lower Upper
113 100
111 101.8 83.1 124.7
192 17.3 13.3 19.9

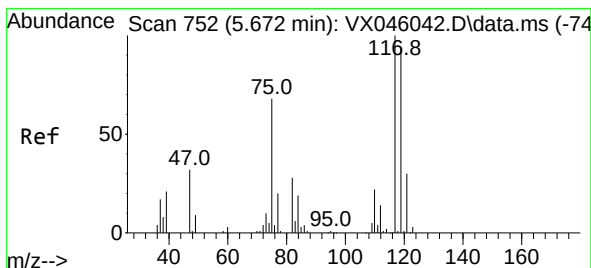
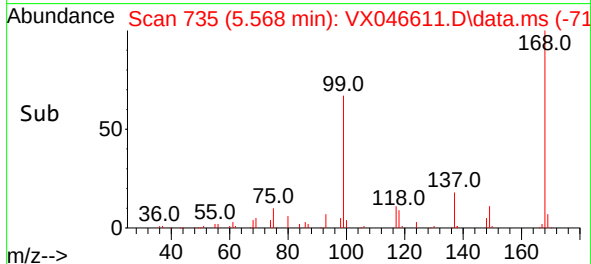
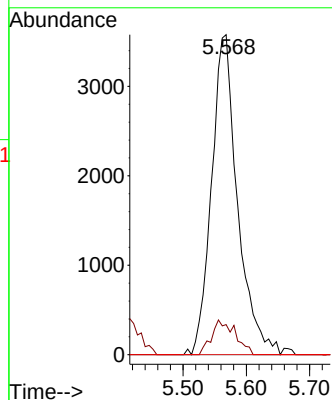
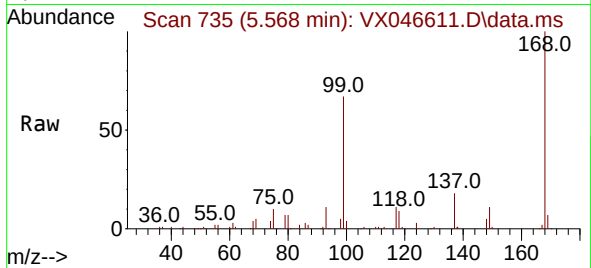




#36
1,1-Dichloropropene
Concen: 4.404 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX046611.D
Acq: 10 Jun 2025 18:11

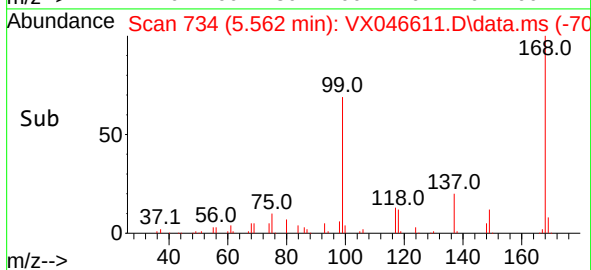
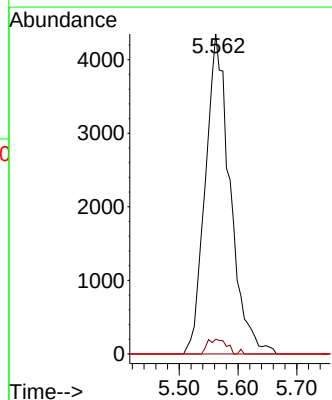
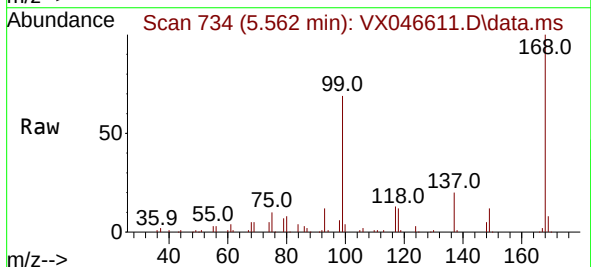
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-060425

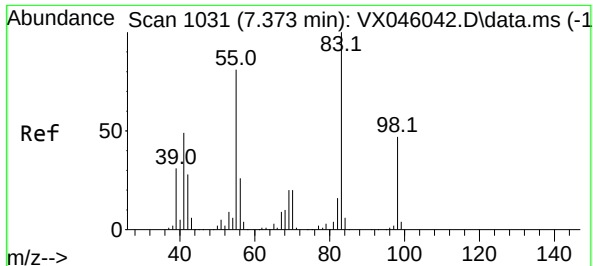
Tgt Ion: 75 Resp: 10207
Ion Ratio Lower Upper
75 100
110 9.9 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.902 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX046611.D
Acq: 10 Jun 2025 18:11

Tgt Ion: 117 Resp: 12724
Ion Ratio Lower Upper
117 100
119 4.6 75.2 112.8#
121 0.0 24.2 36.4#





#39

Methylcyclohexane

Concen: 3.125 ug/l

RT: 7.129 min Scan# 91

Delta R.T. -0.262 min

Lab File: VX046611.D

Acq: 10 Jun 2025 18:11

Instrument :

MSVOA_X

ClientSampleId :

MW-17B-55-060425

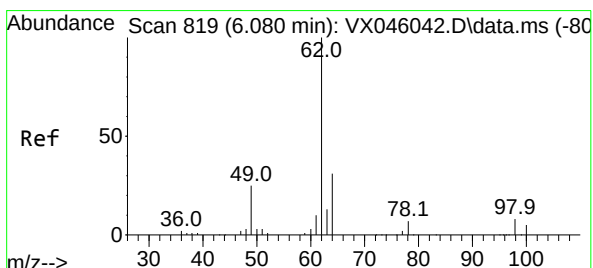
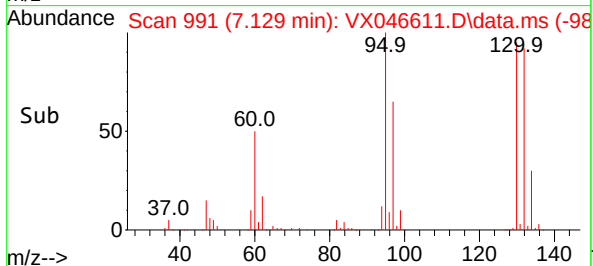
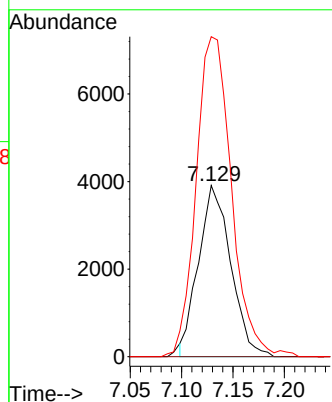
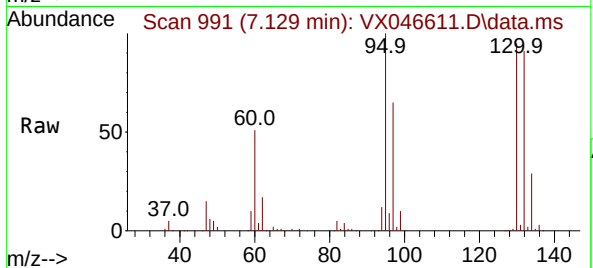
Tgt Ion: 83 Resp: 8548

Ion Ratio Lower Upper

83 100

55 0.0 64.7 97.1#

98 183.4 37.4 56.2#



#42

1,2-Dichloroethane

Concen: 0.269 ug/l

RT: 6.111 min Scan# 824

Delta R.T. 0.013 min

Lab File: VX046611.D

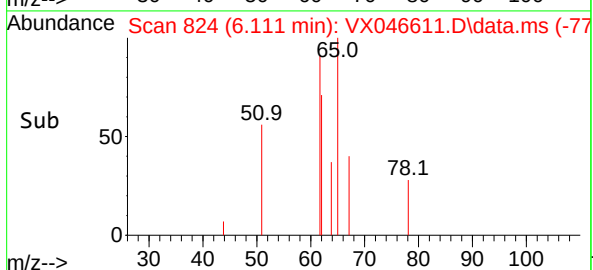
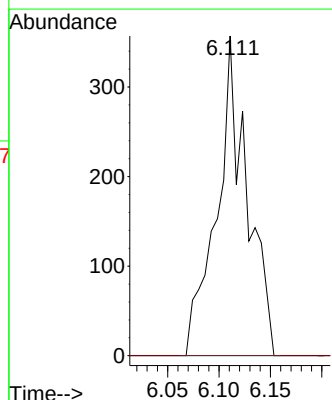
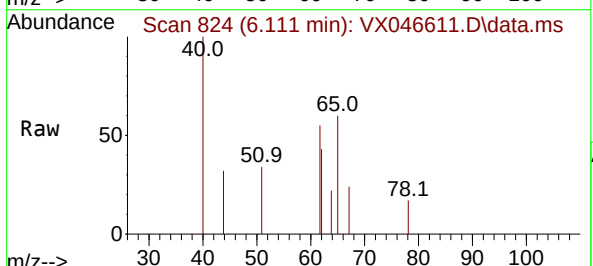
Acq: 10 Jun 2025 18:11

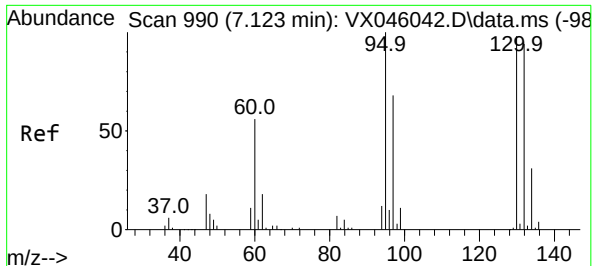
Tgt Ion: 62 Resp: 729

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.2

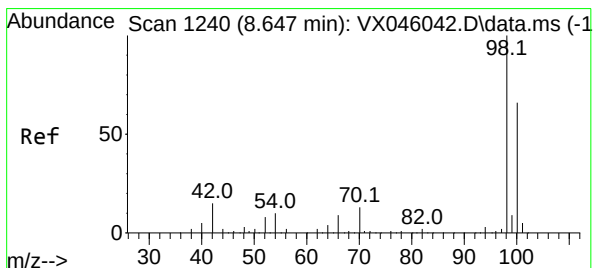
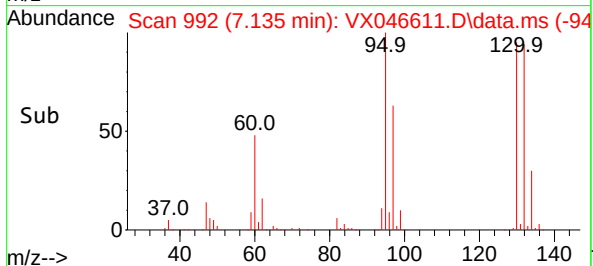
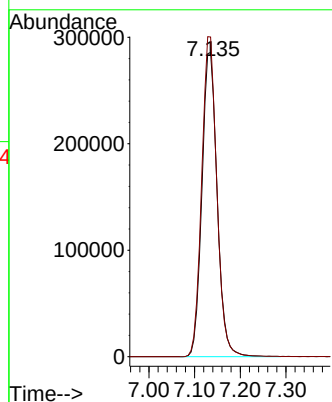
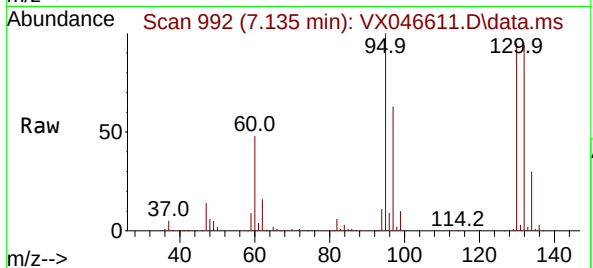




#44
Trichloroethene
Concen: 399.712 ug/l
RT: 7.135 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX046611.D
Acq: 10 Jun 2025 18:11

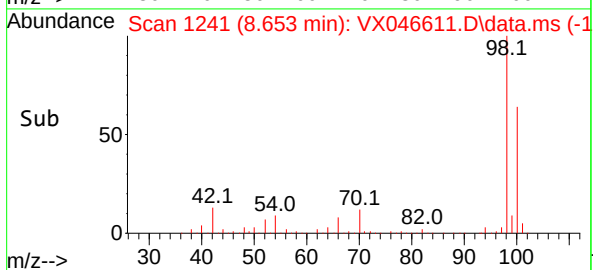
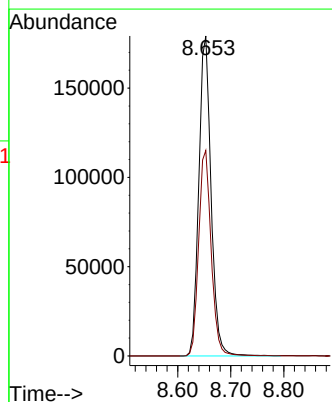
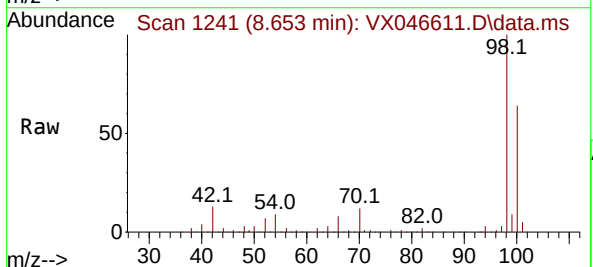
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-060425

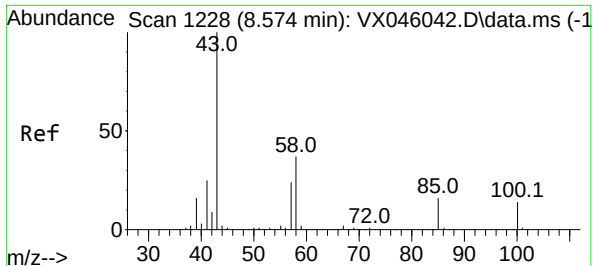
Tgt Ion:130 Resp: 662594
Ion Ratio Lower Upper
130 100
95 105.1 0.0 204.2



#50
Toluene-d8
Concen: 53.729 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046611.D
Acq: 10 Jun 2025 18:11

Tgt Ion: 98 Resp: 287387
Ion Ratio Lower Upper
98 100
100 65.7 53.5 80.3

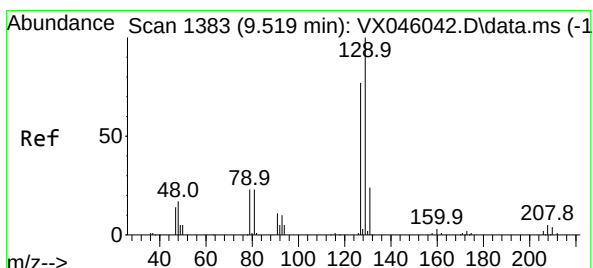
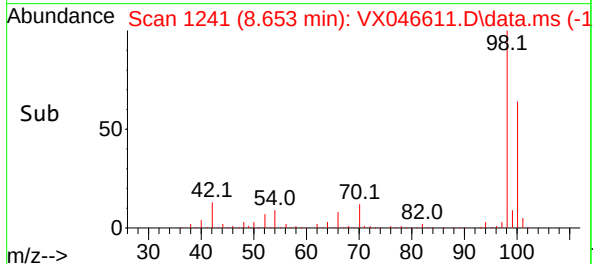
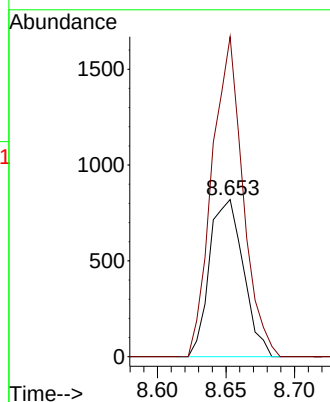
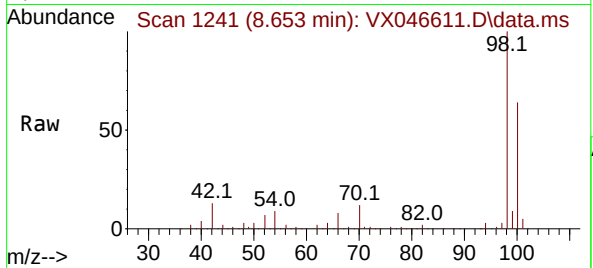




#51
4-Methyl-2-Pentanone
Concen: 0.563 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.080 min
Lab File: VX046611.D
Acq: 10 Jun 2025 18:11

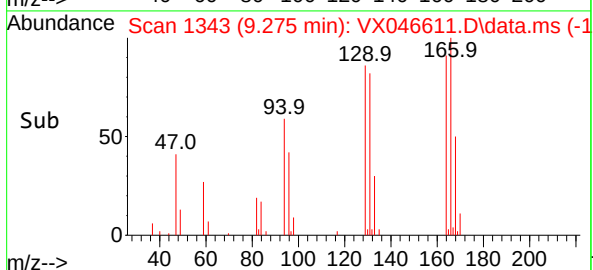
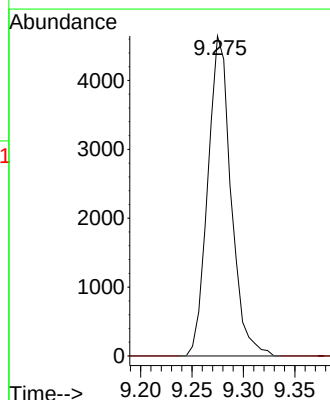
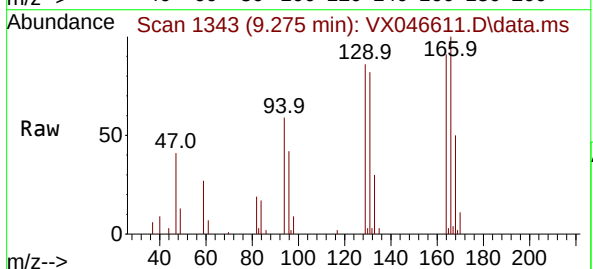
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-060425

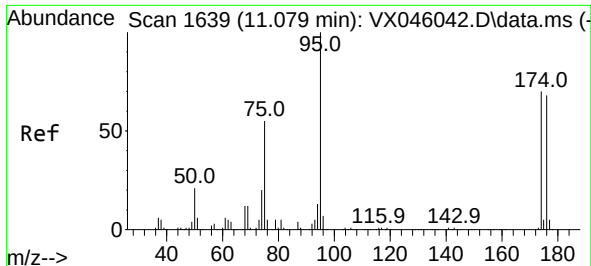
Tgt Ion: 43 Resp: 1411
Ion Ratio Lower Upper
43 100
58 185.5 28.9 43.3#



#60
Dibromochloromethane
Concen: 3.862 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX046611.D
Acq: 10 Jun 2025 18:11

Tgt Ion: 129 Resp: 7309
Ion Ratio Lower Upper
129 100
127 0.0 39.3 117.8#

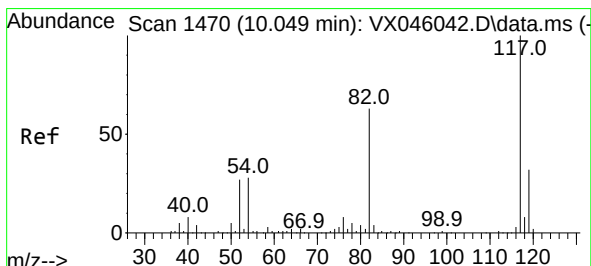
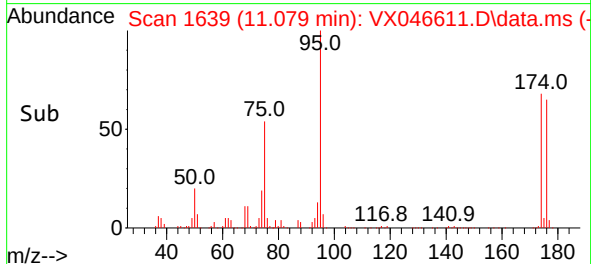
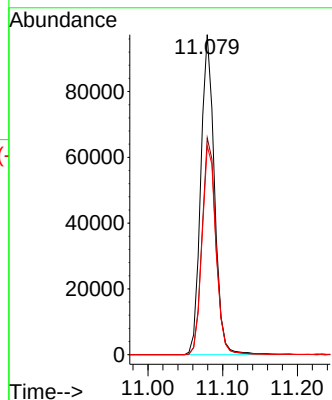
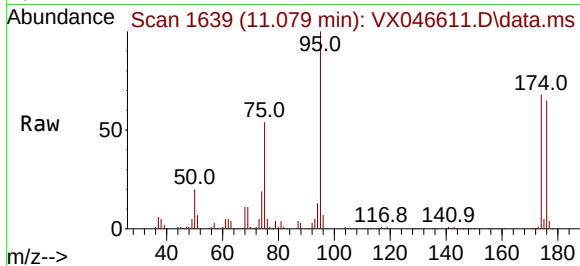




#62
4-Bromofluorobenzene
Concen: 55.820 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046611.D
Acq: 10 Jun 2025 18:11

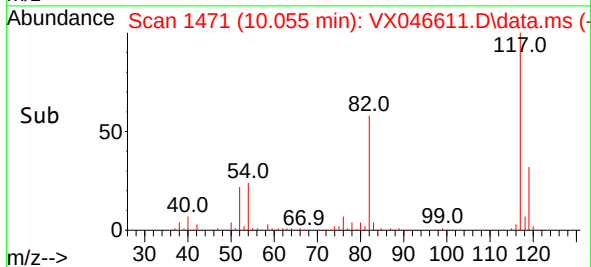
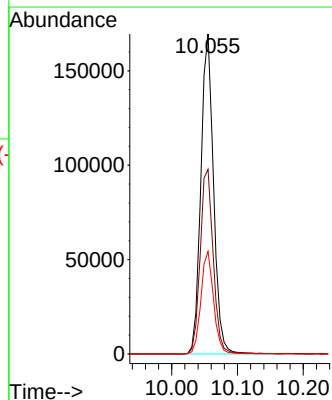
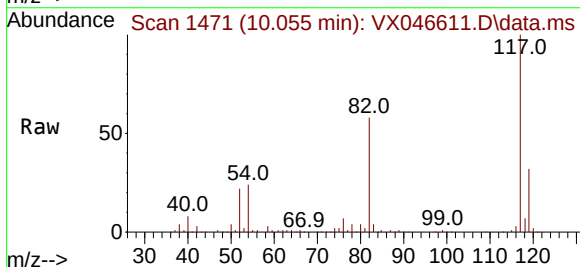
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-060425

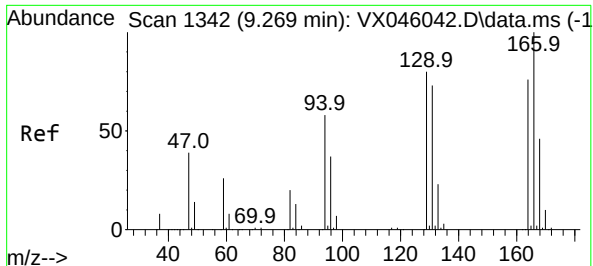
Tgt Ion: 95 Resp: 123534
Ion Ratio Lower Upper
95 100
174 69.0 0.0 135.8
176 66.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046611.D
Acq: 10 Jun 2025 18:11

Tgt Ion: 117 Resp: 227088
Ion Ratio Lower Upper
117 100
82 57.7 50.6 76.0
119 32.1 25.8 38.6

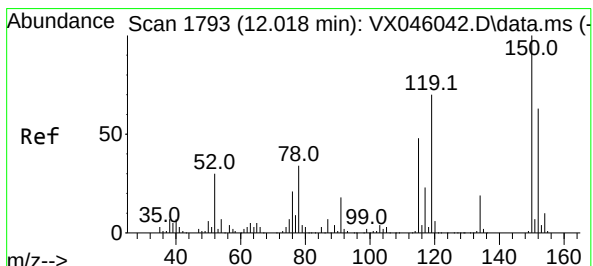
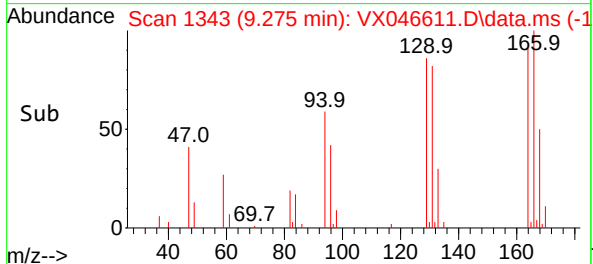
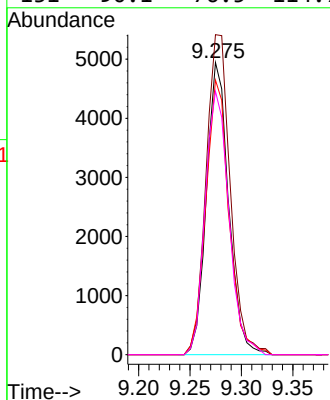
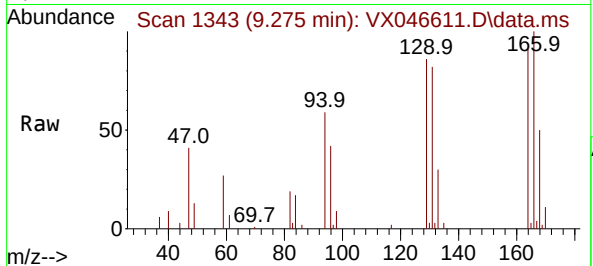




#64
Tetrachloroethene
Concen: 4.909 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046611.D
Acq: 10 Jun 2025 18:11

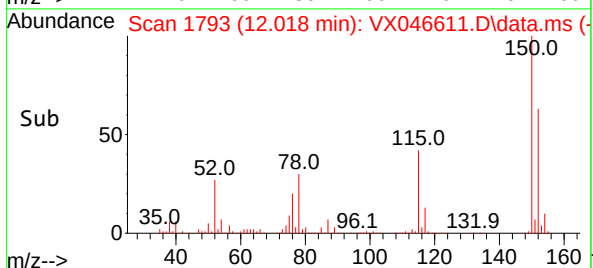
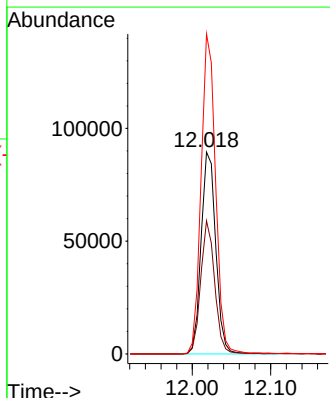
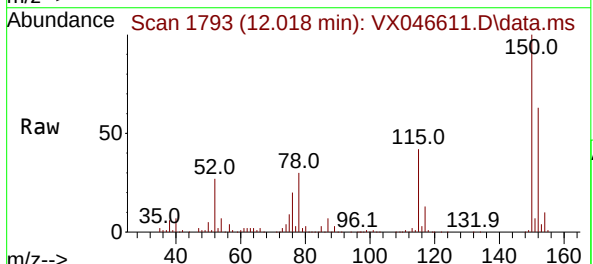
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-060425

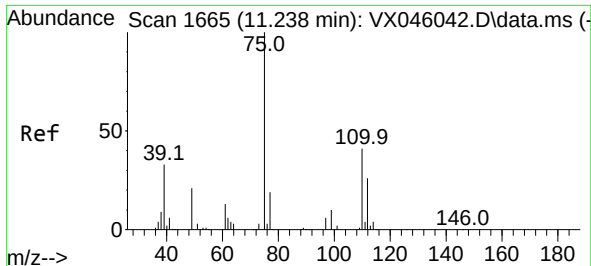
Tgt Ion:164	Resp:	7455
Ion	Ratio	Lower Upper
164	100	
166	109.5	105.0 157.6
129	94.0	83.5 125.3
131	90.1	76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046611.D
Acq: 10 Jun 2025 18:11

Tgt Ion:152	Resp:	116641
Ion	Ratio	Lower Upper
152	100	
115	62.8	46.9 140.7
150	156.3	0.0 351.0

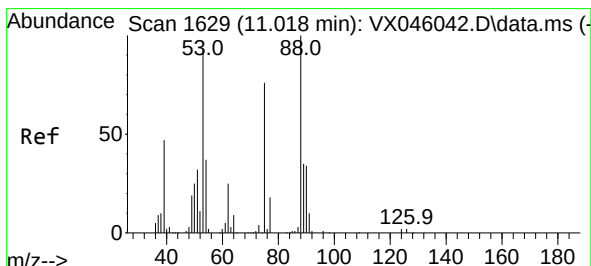
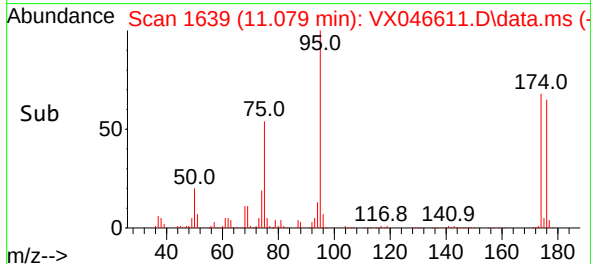
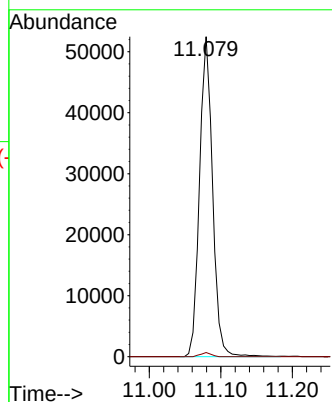
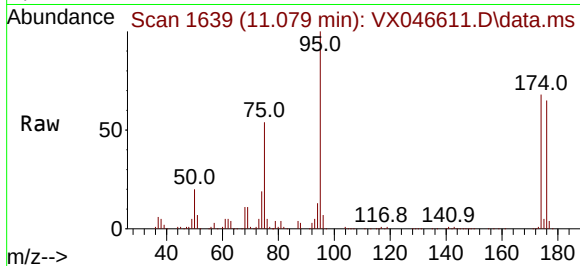




#76
1,2,3-Trichloropropane
Concen: 26.862 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046611.D
Acq: 10 Jun 2025 18:11

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-060425

Tgt Ion: 75 Resp: 66366
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.487 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046611.D
Acq: 10 Jun 2025 18:11

Tgt Ion: 75 Resp: 66366
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

