

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046610.D
 Acq On : 10 Jun 2025 17:50
 Operator : JC/MD
 Sample : Q2233-04 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19B-72-060425

Quant Time: Jun 11 01:53:20 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)

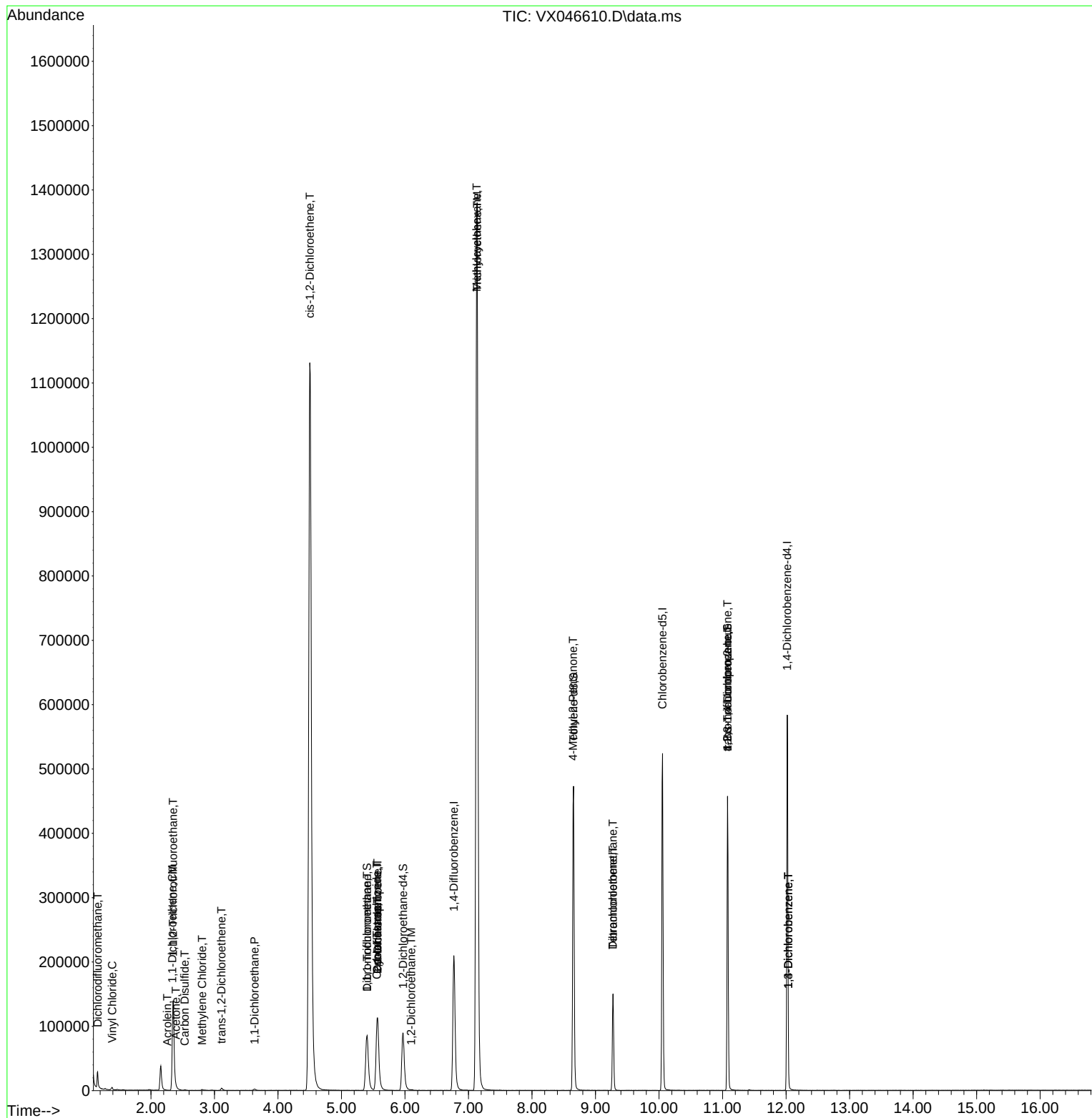
Internal Standards						
1) Pentafluorobenzene	5.562	168	109464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	216135	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	113207	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	96616	49.611	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.220%		
35) Dibromofluoromethane	5.403	113	79699	50.143	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.280%		
50) Toluene-d8	8.653	98	283167	54.037	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	108.080%		
62) 4-Bromofluorobenzene	11.079	95	121181	55.892	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	111.780%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.160	85	2993	1.969	ug/l	93
4) Vinyl Chloride	1.392	62	2064	1.497	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.349	101	61002	42.439	ug/l	98
12) 1,1-Dichloroethene	2.337	96	4513	3.473	ug/l	92
13) Acrolein	2.258	56	23	30.083	ug/l #	15
16) Acetone	2.392	43	1157	6.080	ug/l #	84
17) Carbon Disulfide	2.532	76	794	0.489	ug/l #	76
20) Methylene Chloride	2.806	84	617	0.395	ug/l #	76
21) trans-1,2-Dichloroethene	3.111	96	1678	1.220	ug/l	95
24) 1,1-Dichloroethane	3.629	63	2743	0.978	ug/l #	82
27) cis-1,2-Dichloroethene	4.501	96	760857	449.392	ug/l	86
31) Cyclohexane	5.562	56	2946	1.301	ug/l #	42
32) 1,1,1-Trichloroethane	5.403	97	2045	0.814	ug/l #	51
36) 1,1-Dichloropropene	5.568	75	10124	4.459	ug/l #	51
38) Carbon Tetrachloride	5.556	117	12766	5.020	ug/l #	17
39) Methylcyclohexane	7.129	83	7139	2.664	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	819	0.308	ug/l #	78
44) Trichloroethene	7.135	130	542537	334.073	ug/l	98
51) 4-Methyl-2-Pentanone	8.647	43	1343	0.547	ug/l #	1
60) Dibromochloromethane	9.275	129	27473	14.816	ug/l #	10
64) Tetrachloroethene	9.275	164	26022	17.466	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	67018	27.949	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	67018	80.622	ug/l #	1
87) 1,3-Dichlorobenzene	12.036	146	1261	0.314	ug/l #	1
88) 1,4-Dichlorobenzene	12.036	146	1261	0.303	ug/l #	1

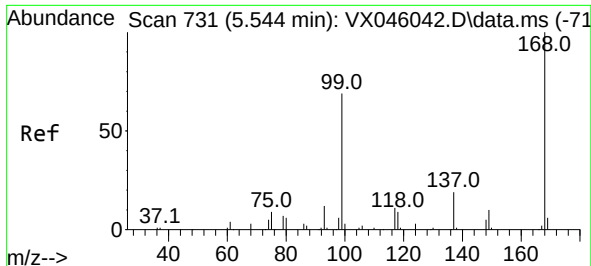
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 06 16:56:12 2025
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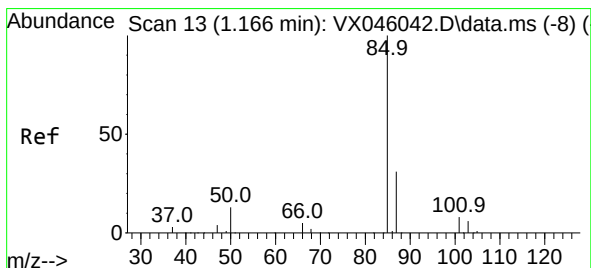
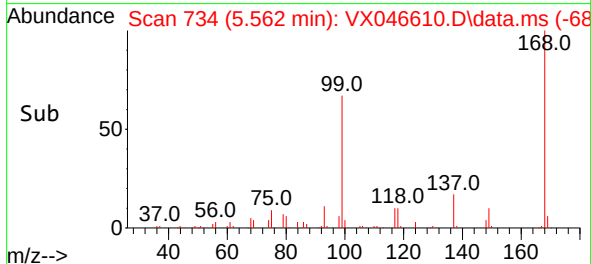
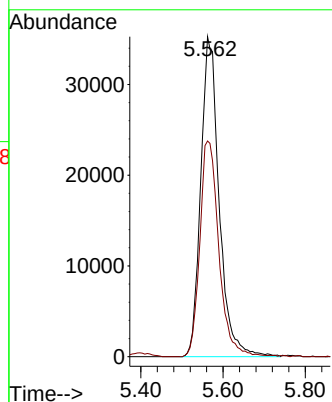
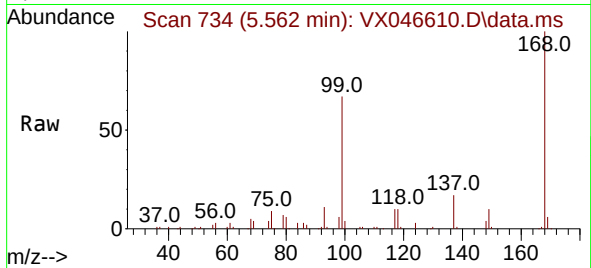




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

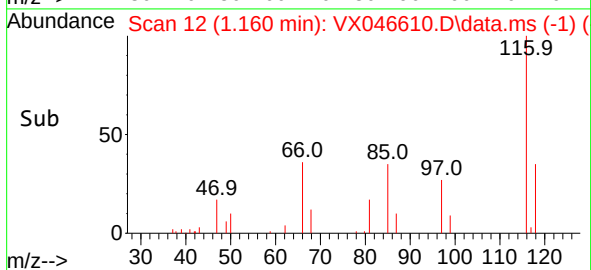
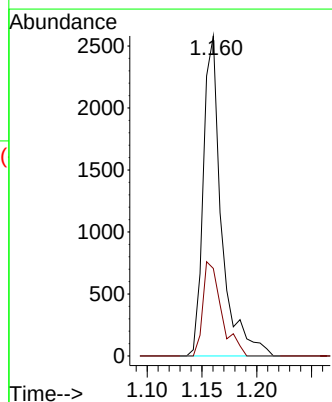
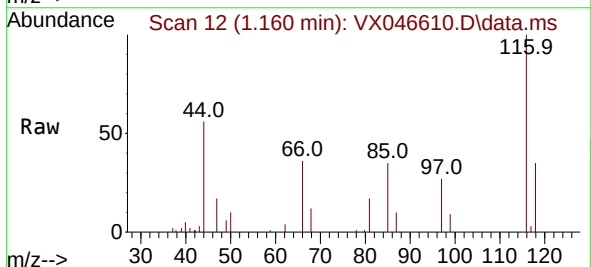
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425

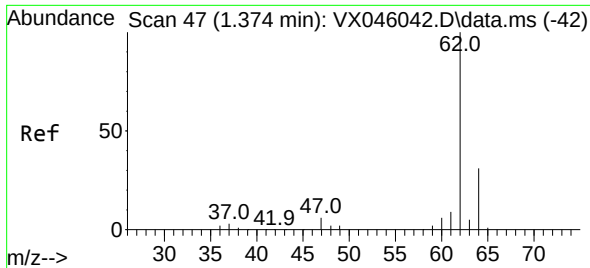
Tgt Ion:168 Resp: 109464
Ion Ratio Lower Upper
168 100
99 67.4 54.9 82.3



#2
Dichlorodifluoromethane
Concen: 1.969 ug/l
RT: 1.160 min Scan# 12
Delta R.T. -0.025 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

Tgt Ion: 85 Resp: 2993
Ion Ratio Lower Upper
85 100
87 27.4 15.7 47.1

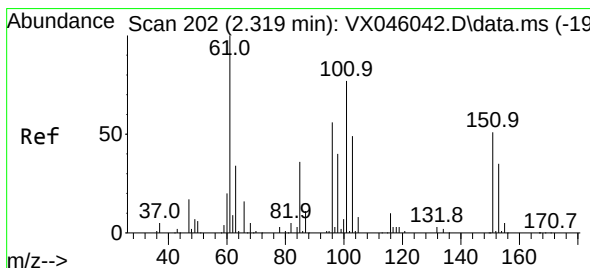
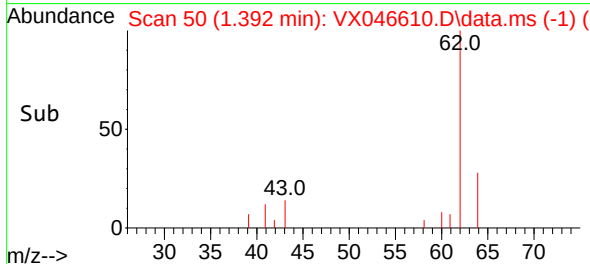
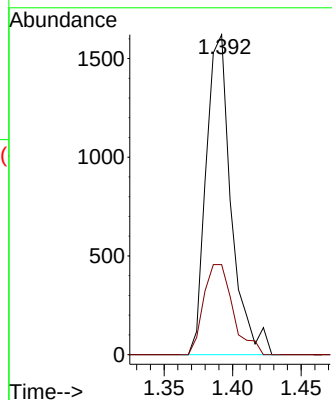
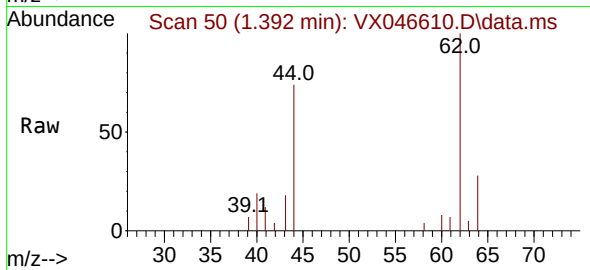




#4
 Vinyl Chloride
 Concen: 1.497 ug/l
 RT: 1.392 min Scan# 50
 Delta R.T. 0.006 min
 Lab File: VX046610.D
 Acq: 10 Jun 2025 17:50

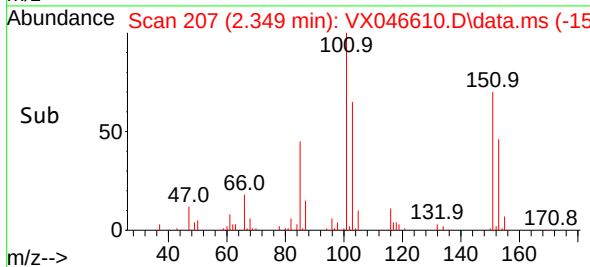
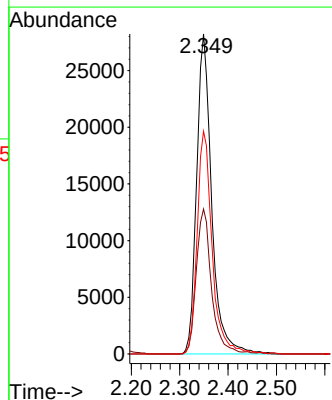
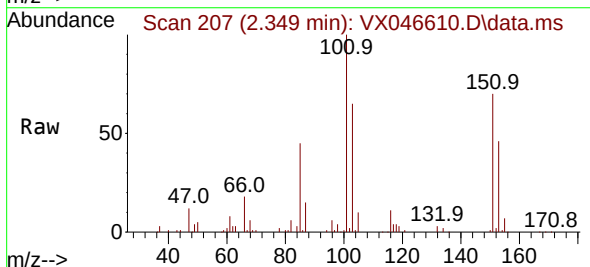
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19B-72-060425

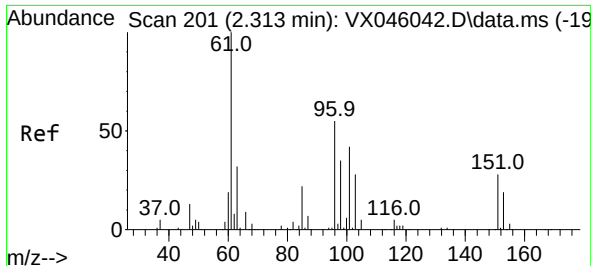
Tgt Ion: 62 Resp: 2064
 Ion Ratio Lower Upper
 62 100
 64 28.1 25.2 37.8



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 42.439 ug/l
 RT: 2.349 min Scan# 207
 Delta R.T. 0.000 min
 Lab File: VX046610.D
 Acq: 10 Jun 2025 17:50

Tgt Ion: 101 Resp: 61002
 Ion Ratio Lower Upper
 101 100
 85 46.0 38.6 58.0
 151 69.5 55.2 82.8

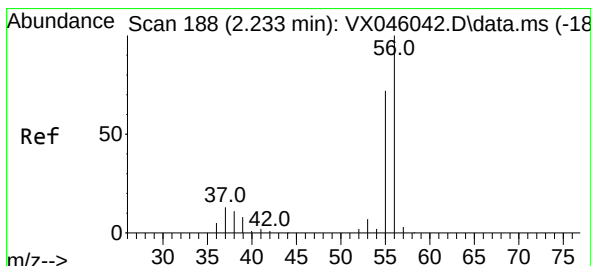
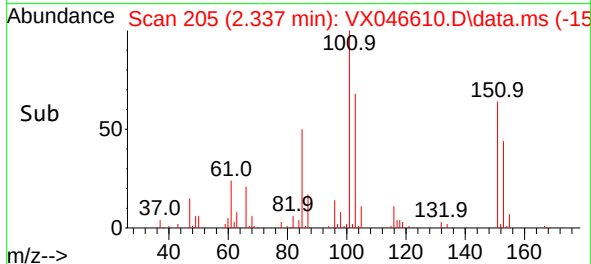
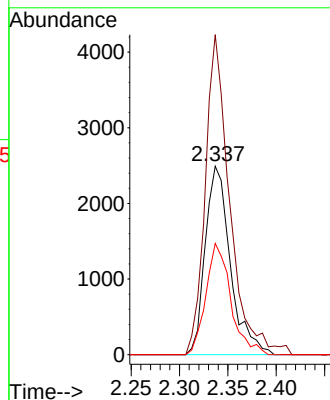
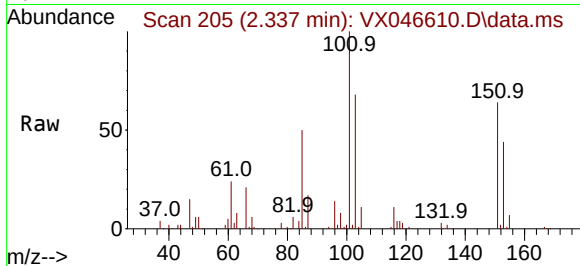




#12
1,1-Dichloroethene
Concen: 3.473 ug/l
RT: 2.337 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

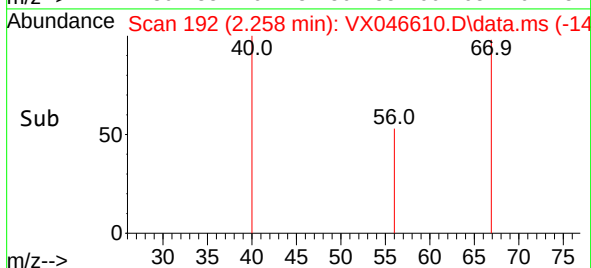
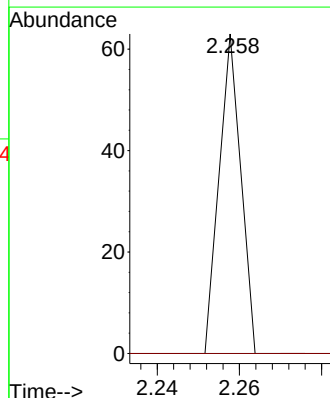
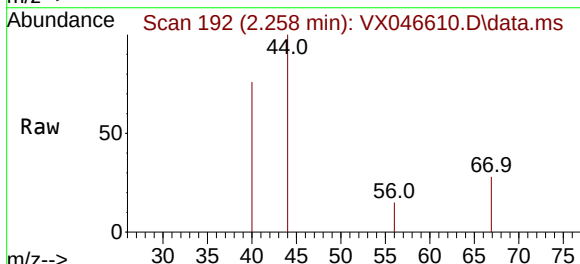
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425

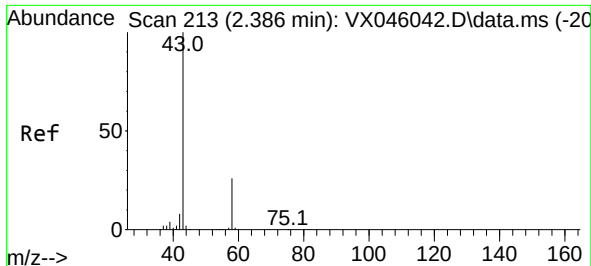
Tgt Ion: 96 Resp: 4513
Ion Ratio Lower Upper
96 100
61 169.7 146.2 219.2
98 59.0 51.0 76.6



#13
Acrolein
Concen: 30.083 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.007 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#

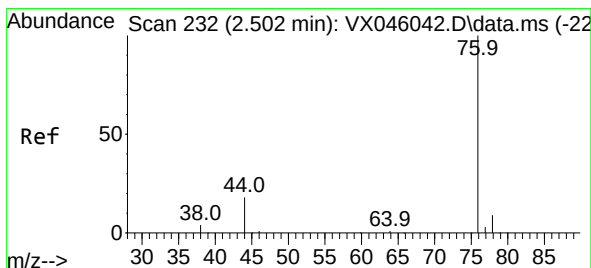
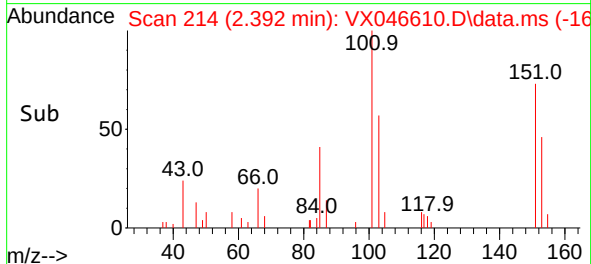
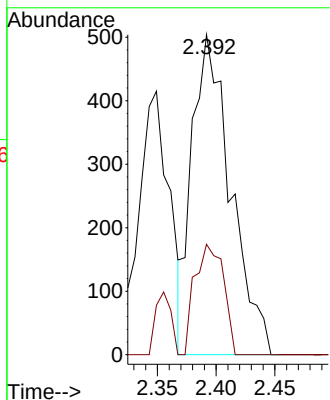
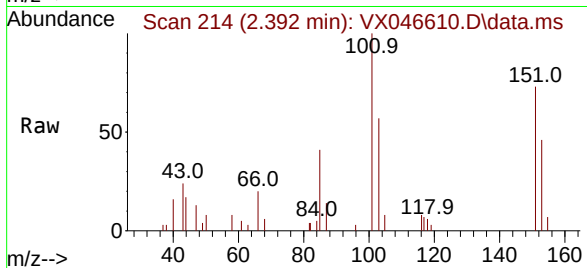




#16
Acetone
Concen: 6.080 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

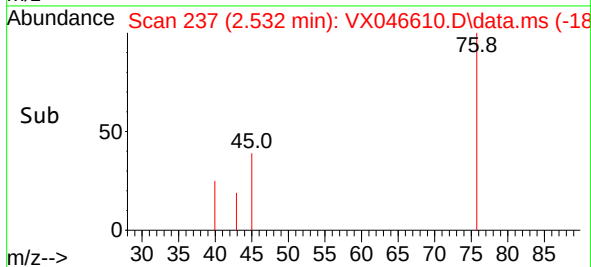
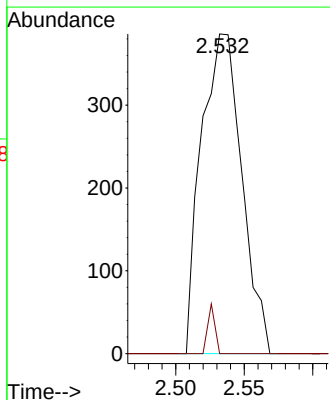
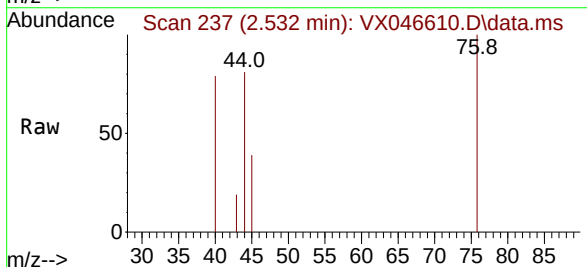
Instrument :
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ClientSampleId :
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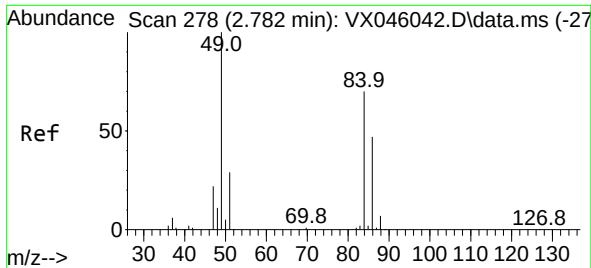
Tgt Ion: 43 Resp: 1157
Ion Ratio Lower Upper
43 100
58 34.5 21.2 31.8#



#17
Carbon Disulfide
Concen: 0.489 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

Tgt Ion: 76 Resp: 794
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

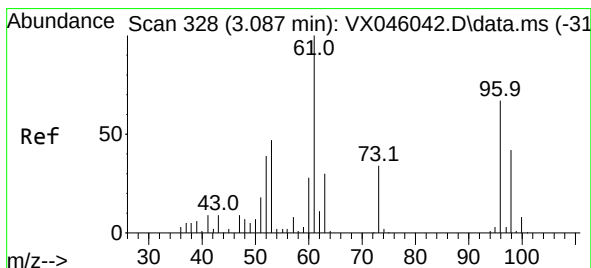
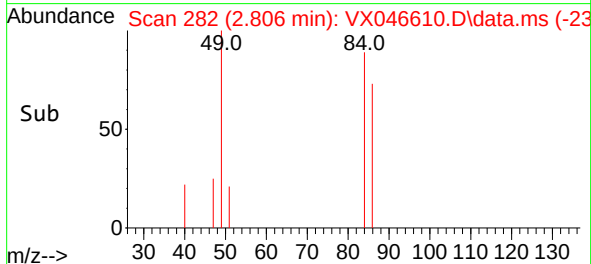
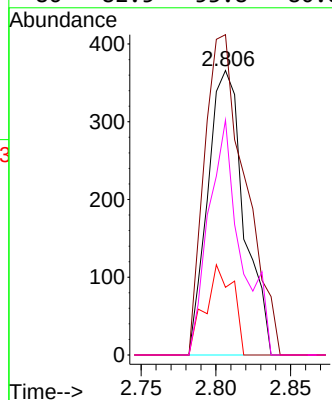
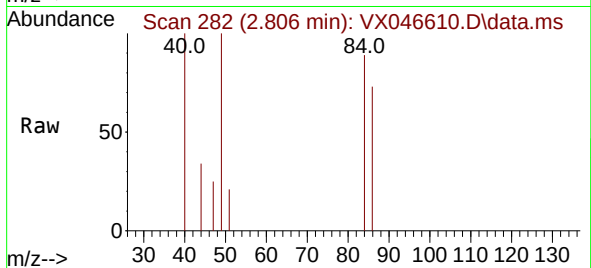




#20
Methylene Chloride
Concen: 0.395 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

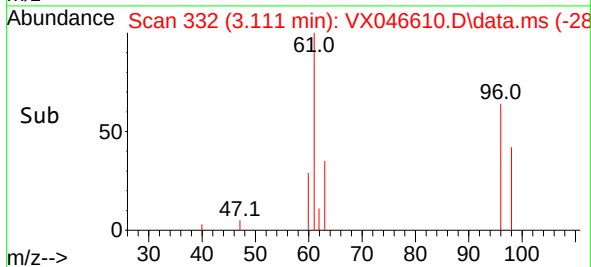
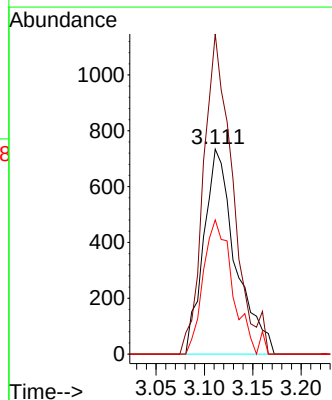
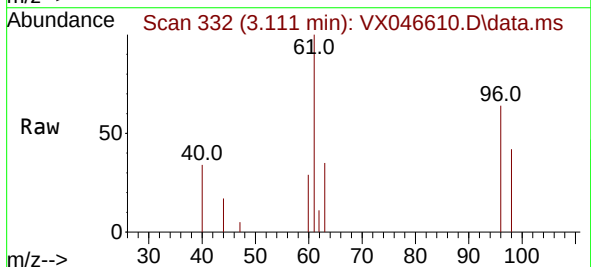
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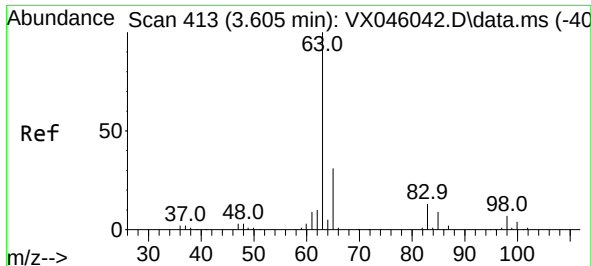
Tgt Ion:	84	Resp:	617
Ion	Ratio	Lower	Upper
84	100		
49	112.6	113.9	170.9#
51	23.8	33.5	50.3#
86	82.5	53.8	80.8#



#21
trans-1,2-Dichloroethene
Concen: 1.220 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

Tgt Ion:	96	Resp:	1678
Ion	Ratio	Lower	Upper
96	100		
61	156.3	119.5	179.3
98	65.5	50.0	75.0

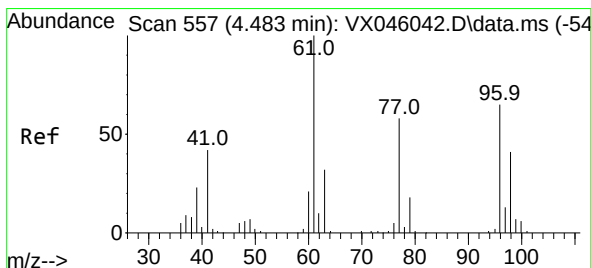
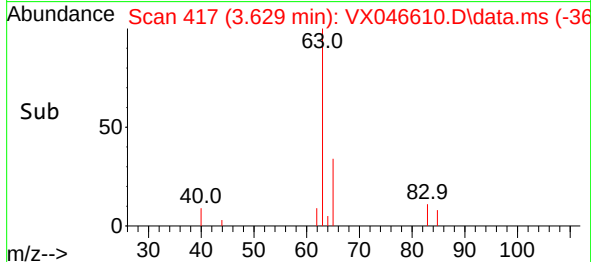
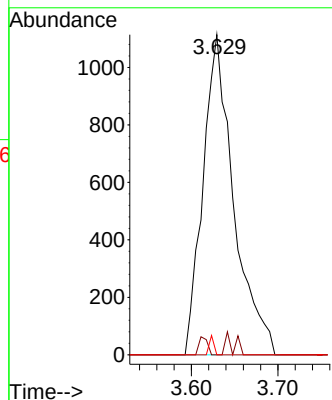
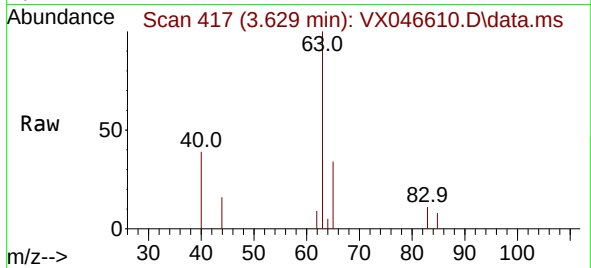




#24
1,1-Dichloroethane
Concen: 0.978 ug/l
RT: 3.629 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

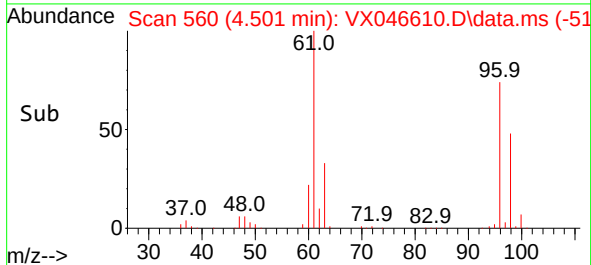
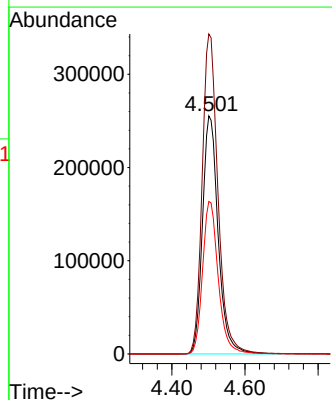
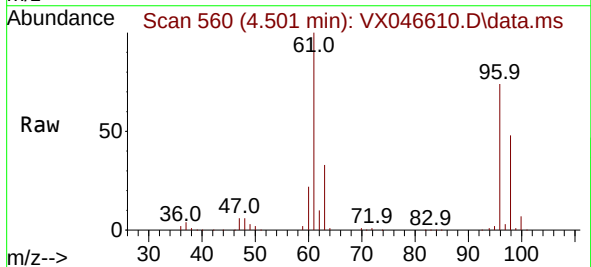
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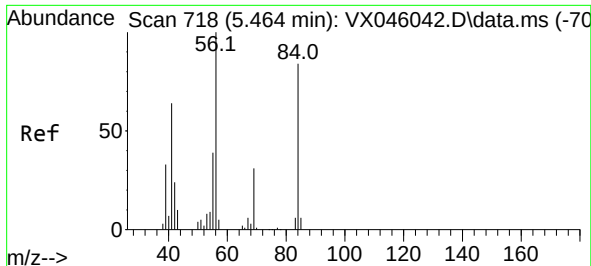
Tgt Ion: 63 Resp: 2743
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.8#
100 0.0 2.1 6.3#



#27
cis-1,2-Dichloroethene
Concen: 449.392 ug/l
RT: 4.501 min Scan# 560
Delta R.T. -0.006 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

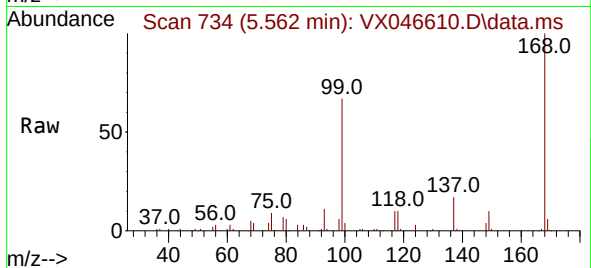
Tgt Ion: 96 Resp: 760857
Ion Ratio Lower Upper
96 100
61 135.2 0.0 322.8
98 64.0 0.0 129.0



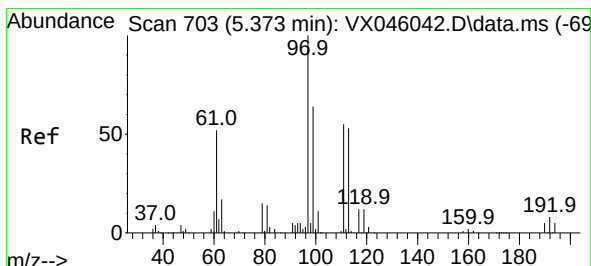
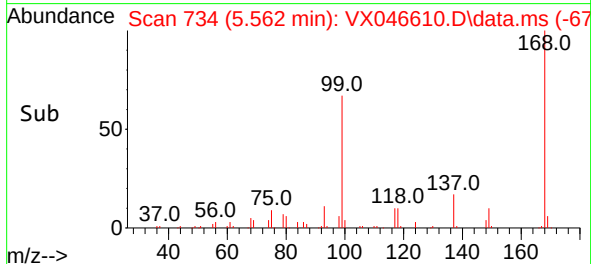
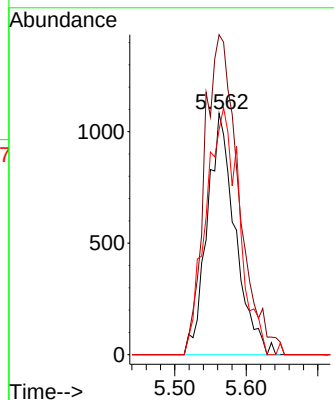


#31
Cyclohexane
Concen: 1.301 ug/l
RT: 5.562 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425

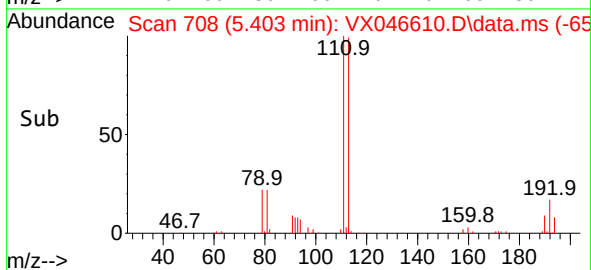
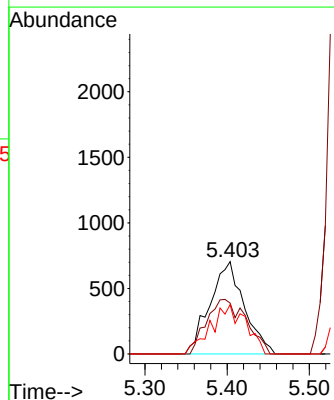
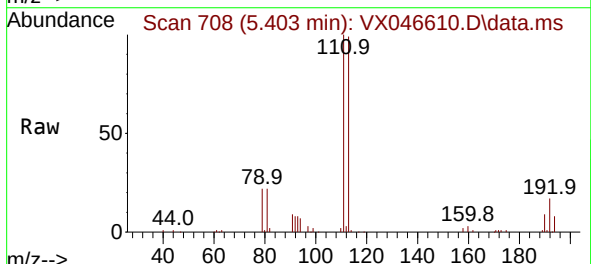


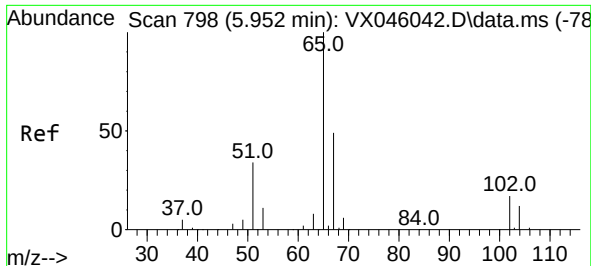
Tgt Ion: 56 Resp: 2946
Ion Ratio Lower Upper
56 100
69 132.6 24.4 36.6#
84 93.2 66.9 100.3



#32
1,1,1-Trichloroethane
Concen: 0.814 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

Tgt Ion: 97 Resp: 2045
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 54.7 40.1 60.1





#33

1,2-Dichloroethane-d4

Concen: 49.611 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.000 min

Lab File: VX046610.D

Acq: 10 Jun 2025 17:50

Instrument :

MSVOA_X

ClientSampleId :

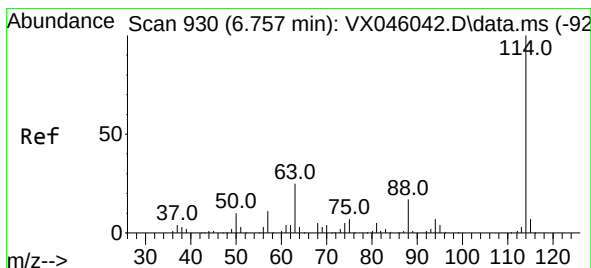
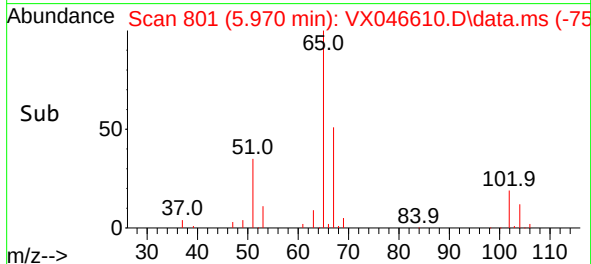
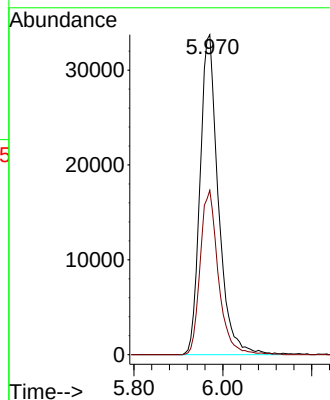
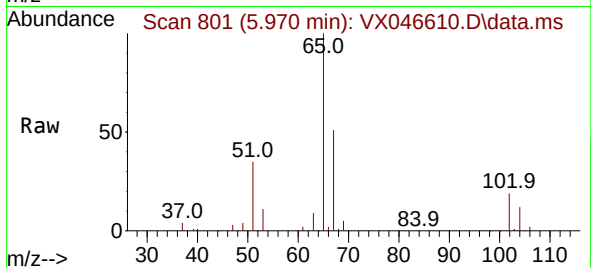
MW-19B-72-060425

Tgt Ion: 65 Resp: 96616

Ion Ratio Lower Upper

65 100

67 51.1 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.006 min

Lab File: VX046610.D

Acq: 10 Jun 2025 17:50

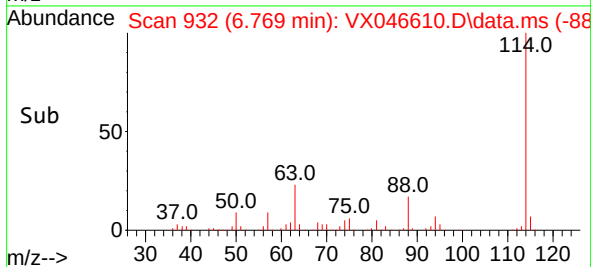
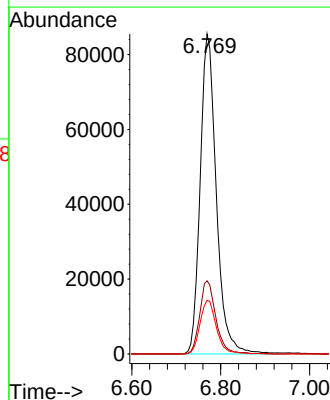
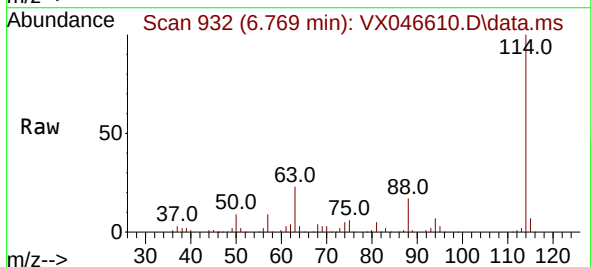
Tgt Ion: 114 Resp: 216135

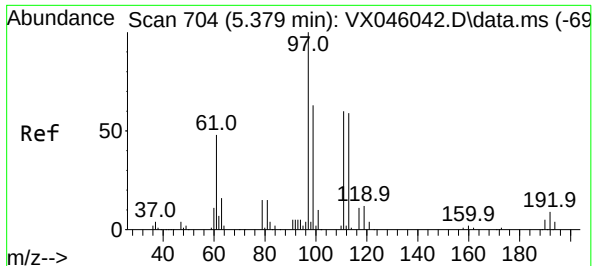
Ion Ratio Lower Upper

114 100

63 22.8 0.0 49.2

88 16.8 0.0 33.6

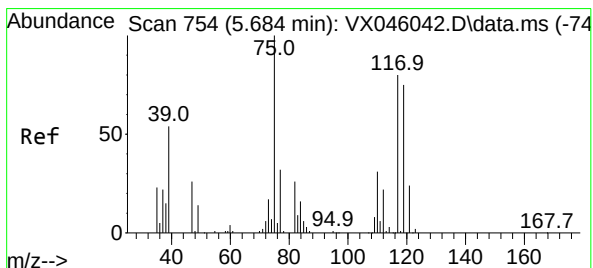
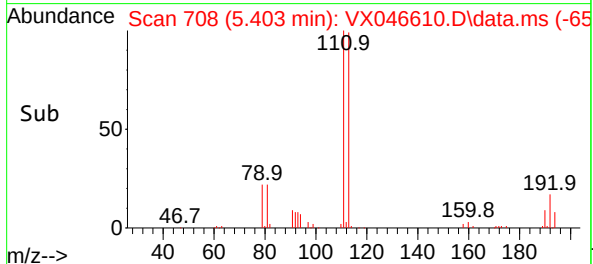
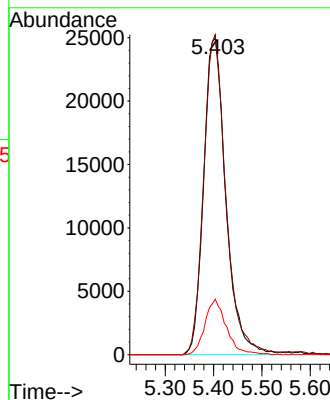
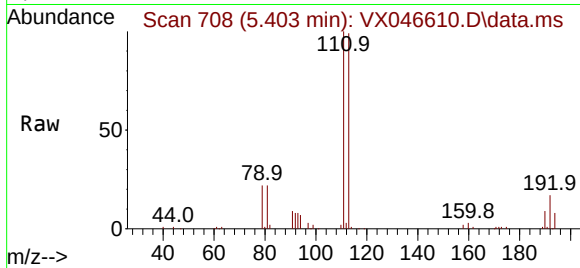




#35
Dibromofluoromethane
Concen: 50.143 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

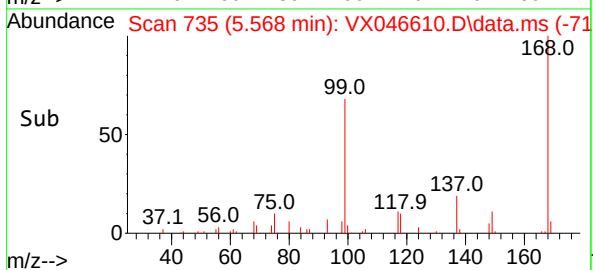
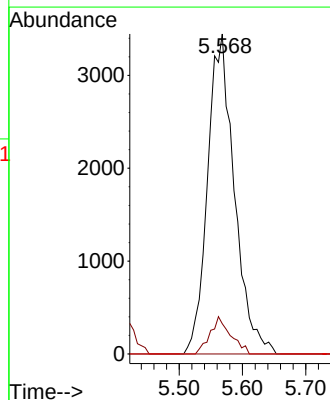
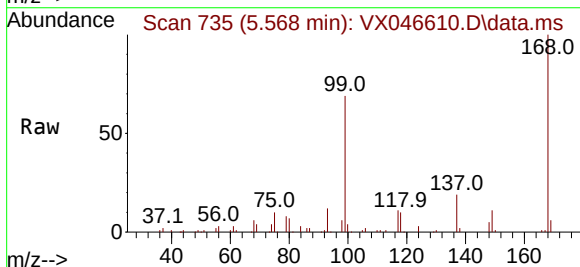
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425

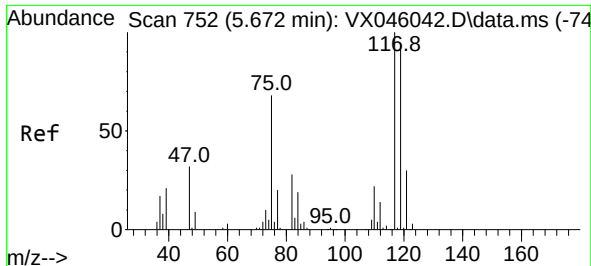
Tgt Ion:113 Resp: 79699
Ion Ratio Lower Upper
113 100
111 101.0 83.1 124.7
192 16.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.459 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.146 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

Tgt Ion: 75 Resp: 10124
Ion Ratio Lower Upper
75 100
110 9.0 16.3 48.9#
77 0.0 24.3 36.5#

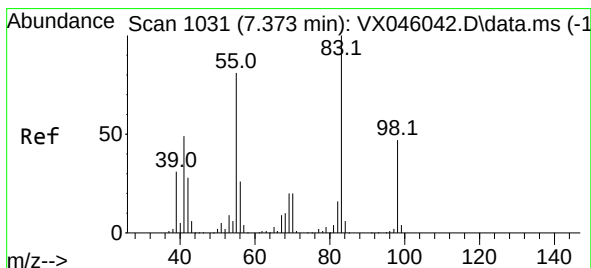
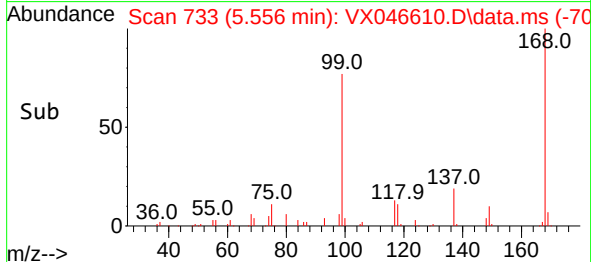
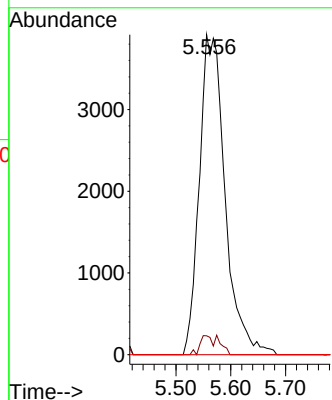
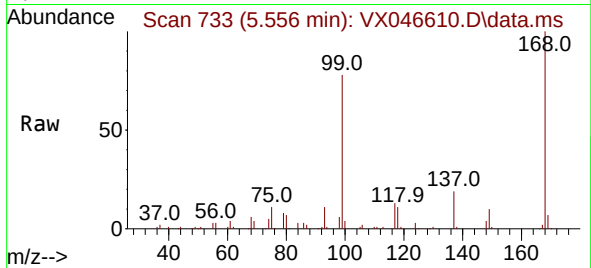




#38
Carbon Tetrachloride
Concen: 5.020 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

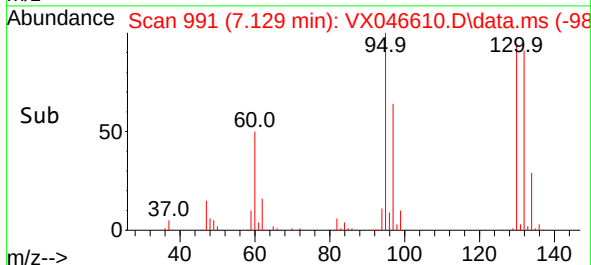
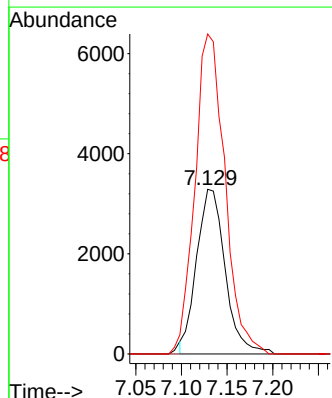
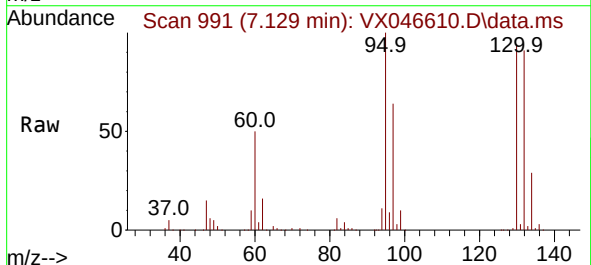
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425

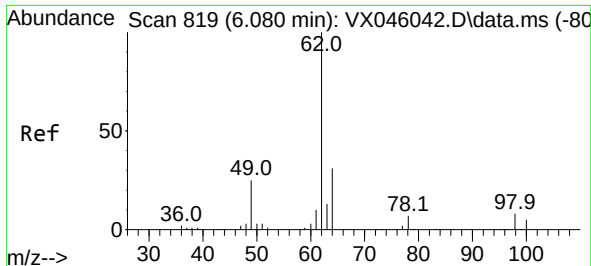
Tgt Ion:117 Resp: 12766
Ion Ratio Lower Upper
117 100
119 5.9 75.2 112.8#
121 0.0 24.2 36.4#



#39
Methylcyclohexane
Concen: 2.664 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.262 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

Tgt Ion: 83 Resp: 7139
Ion Ratio Lower Upper
83 100
55 0.0 64.7 97.1#
98 194.4 37.4 56.2#





#42

1,2-Dichloroethane

Concen: 0.308 ug/l

RT: 6.098 min Scan# 819

Delta R.T. 0.000 min

Lab File: VX046610.D

Acq: 10 Jun 2025 17:50

Instrument :

MSVOA_X

ClientSampleId :

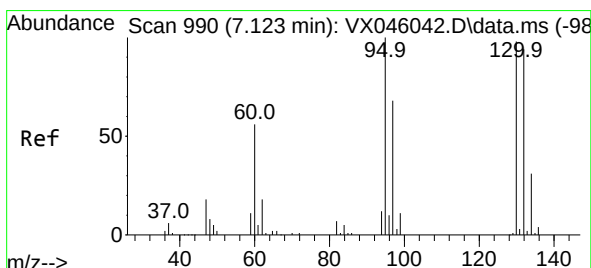
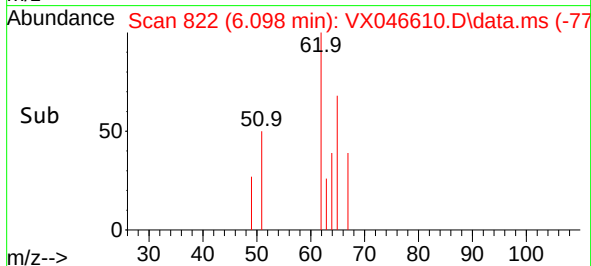
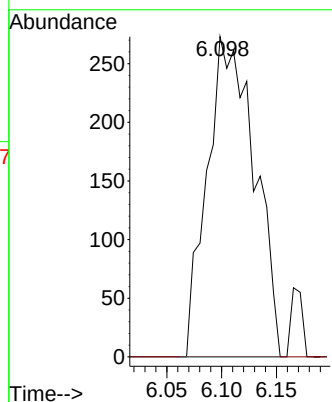
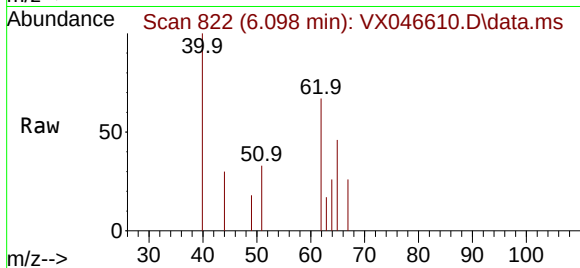
MW-19B-72-060425

Tgt Ion: 62 Resp: 819

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.2



#44

Trichloroethene

Concen: 334.073 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.000 min

Lab File: VX046610.D

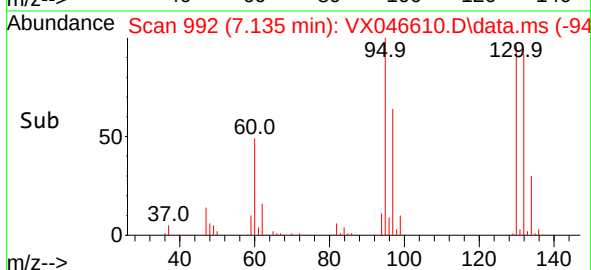
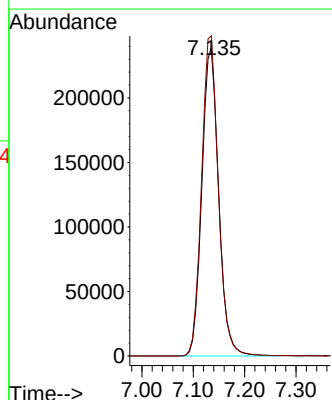
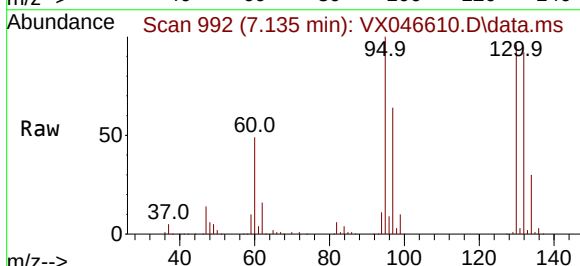
Acq: 10 Jun 2025 17:50

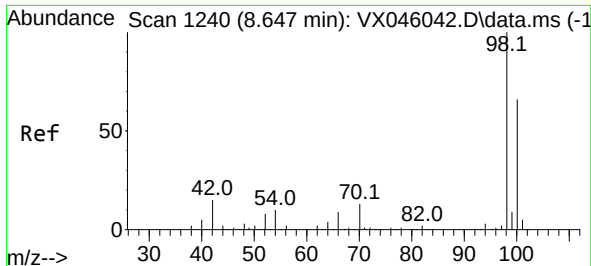
Tgt Ion:130 Resp: 542537

Ion Ratio Lower Upper

130 100

95 103.9 0.0 204.2

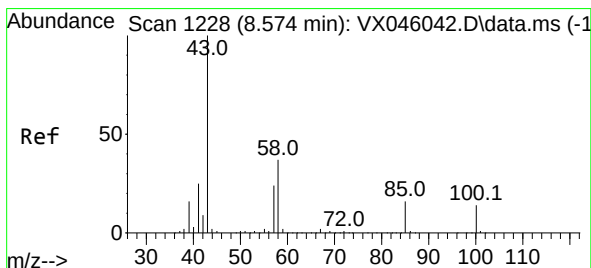
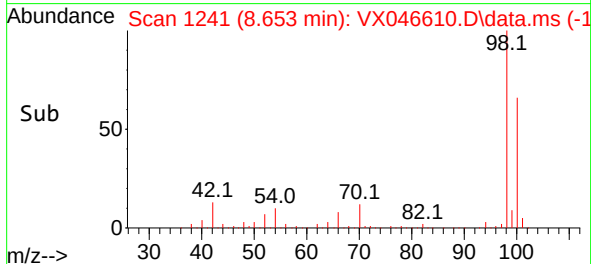
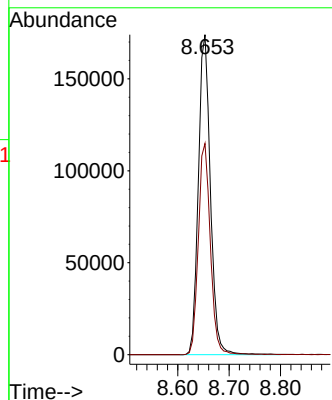
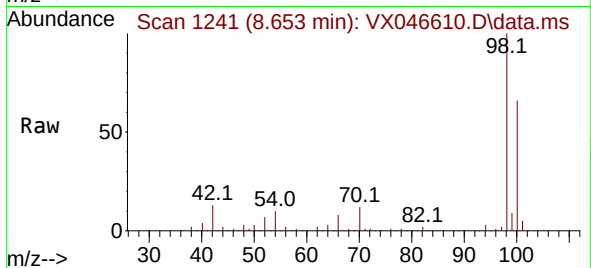




#50
Toluene-d8
Concen: 54.037 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

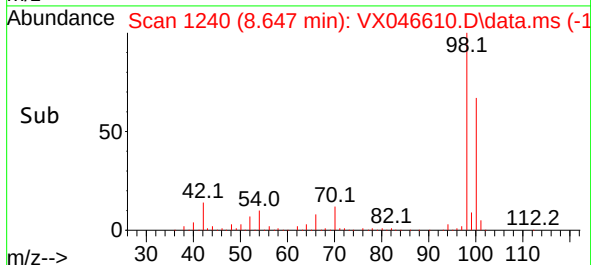
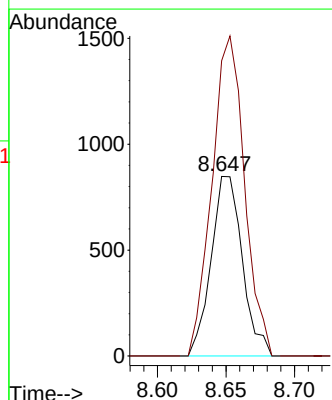
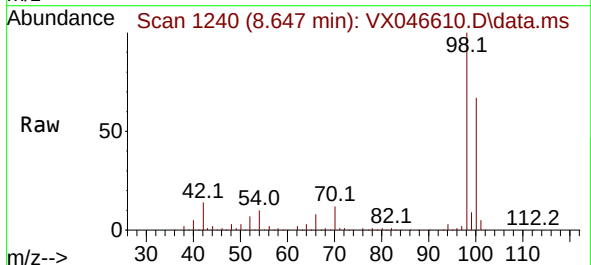
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425

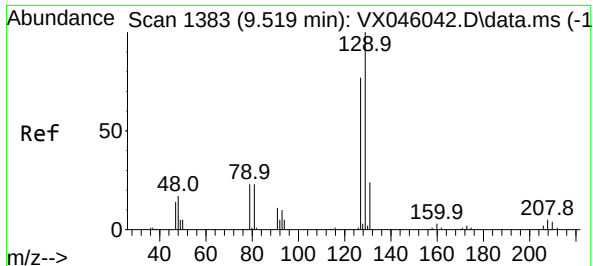
Tgt Ion: 98 Resp: 283167
Ion Ratio Lower Upper
98 100
100 65.8 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.547 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.074 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

Tgt Ion: 43 Resp: 1343
Ion Ratio Lower Upper
43 100
58 186.3 28.9 43.3#

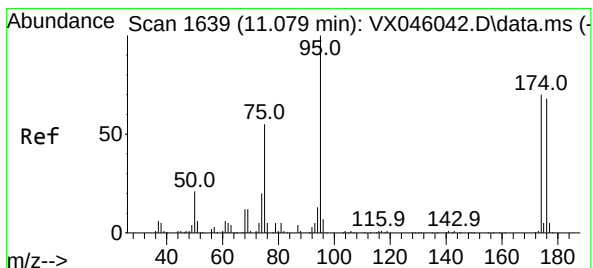
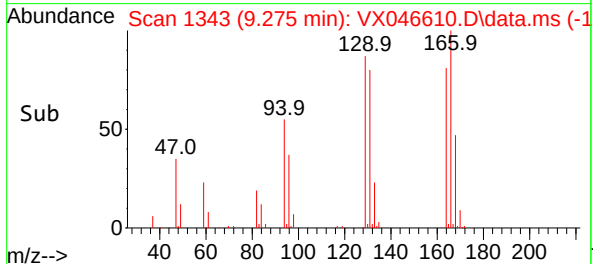
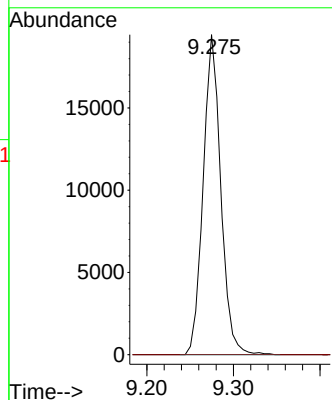
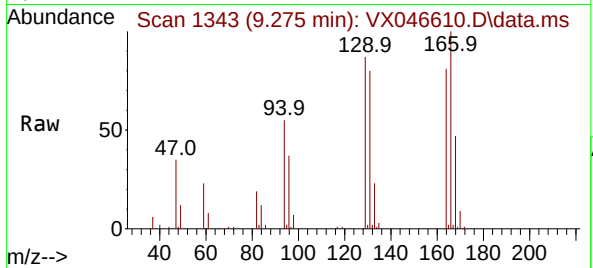




#60
Dibromochloromethane
Concen: 14.816 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

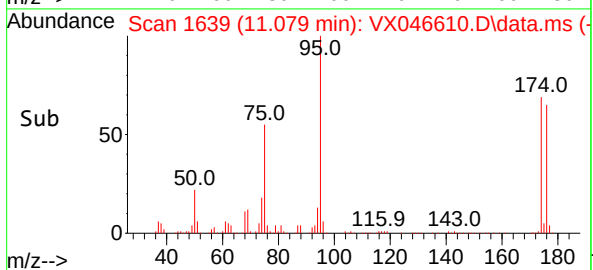
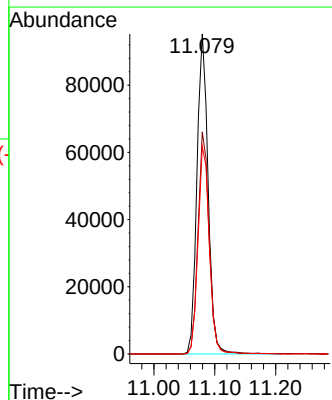
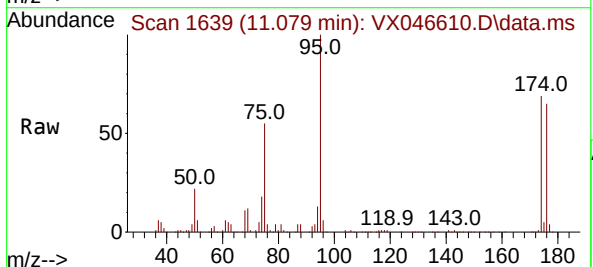
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425

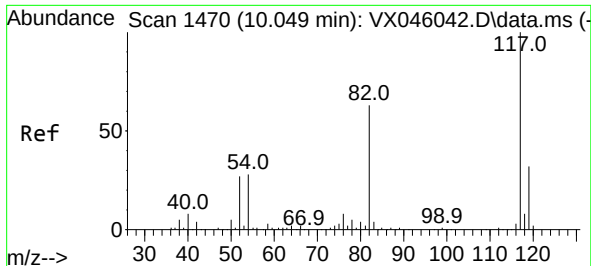
Tgt Ion:129 Resp: 27473
Ion Ratio Lower Upper
129 100
127 0.0 39.3 117.8#



#62
4-Bromofluorobenzene
Concen: 55.892 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

Tgt Ion: 95 Resp: 121181
Ion Ratio Lower Upper
95 100
174 69.5 0.0 135.8
176 65.6 0.0 131.4

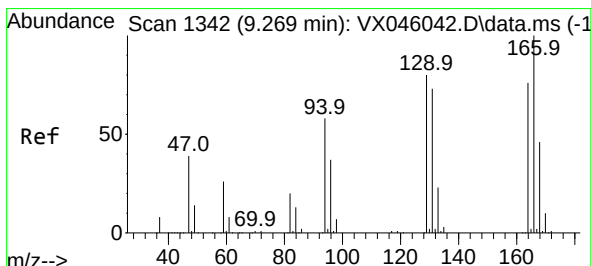
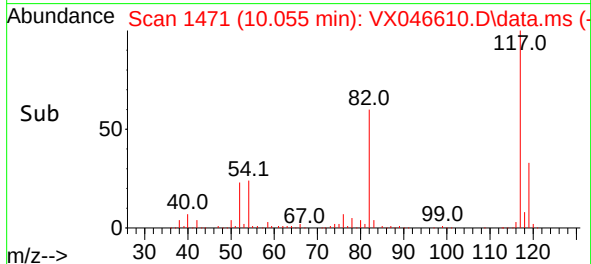
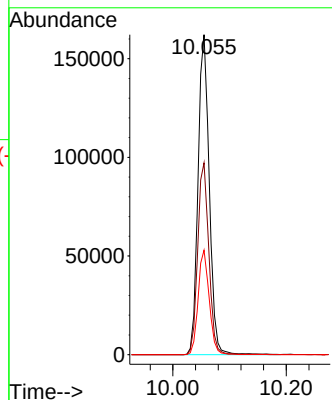
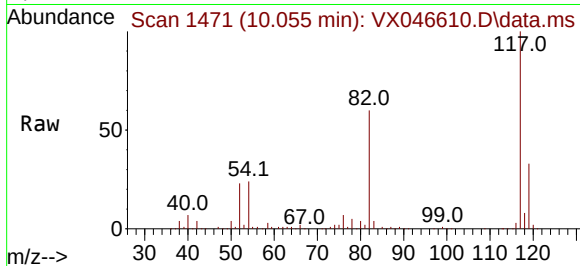




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

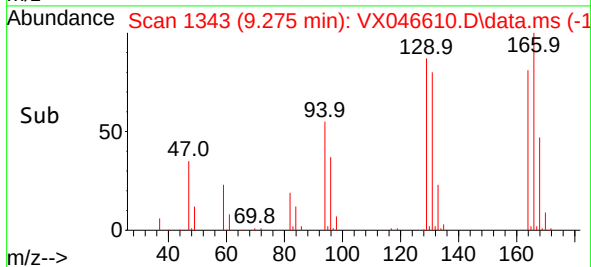
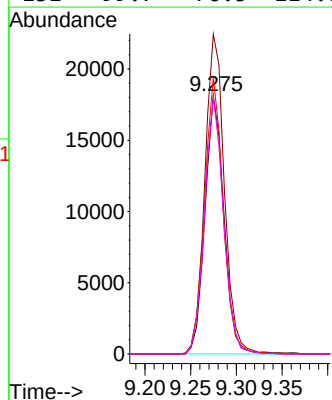
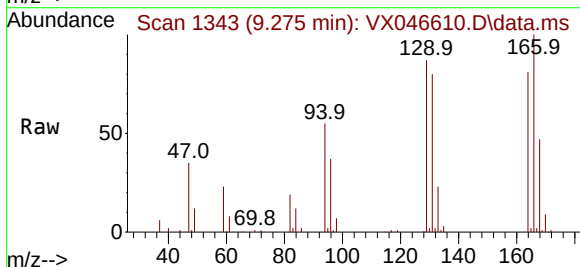
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425

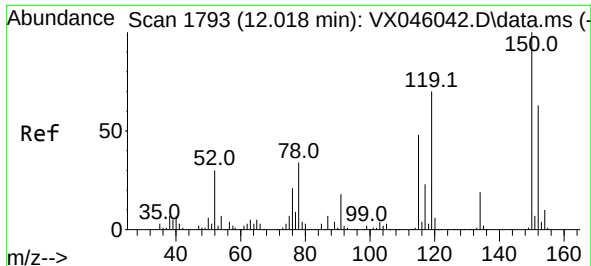
Tgt Ion:117 Resp: 222806
Ion Ratio Lower Upper
117 100
82 60.0 50.6 76.0
119 32.7 25.8 38.6



#64
Tetrachloroethene
Concen: 17.466 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

Tgt Ion:164 Resp: 26022
Ion Ratio Lower Upper
164 100
166 124.0 105.0 157.6
129 107.4 83.5 125.3
131 99.7 76.5 114.7

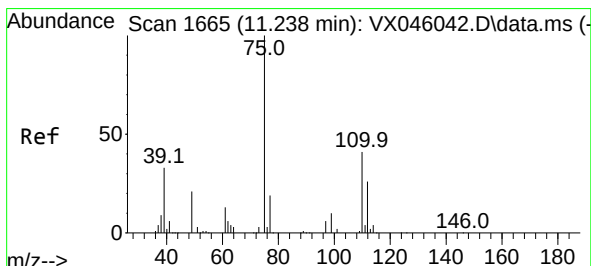
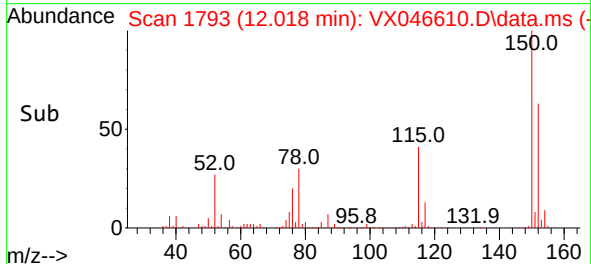
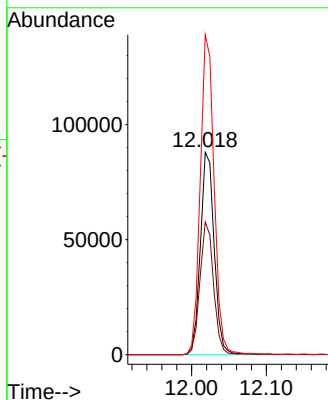
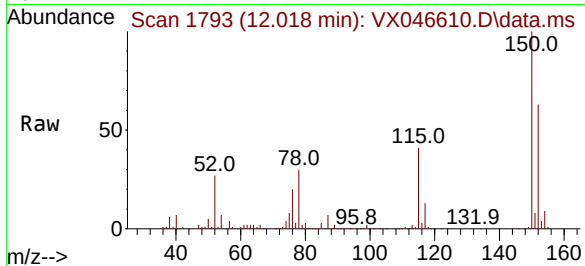




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX046610.D
 Acq: 10 Jun 2025 17:50

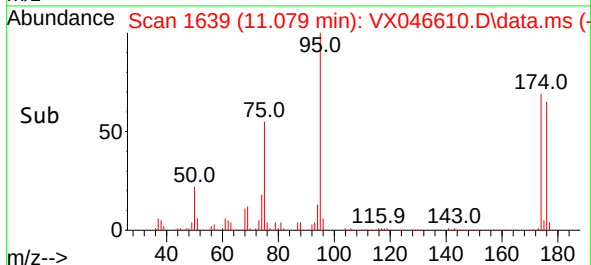
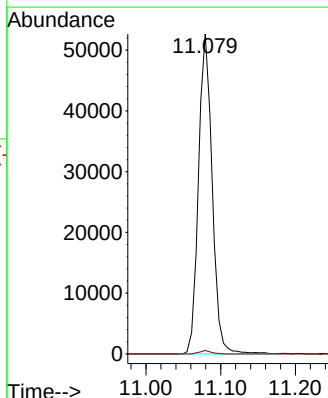
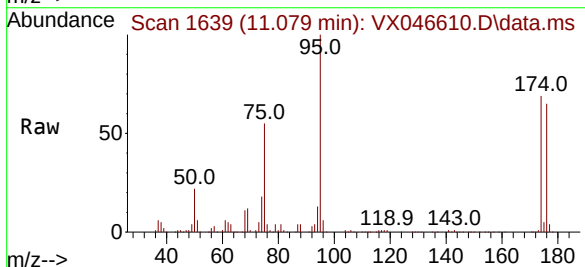
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19B-72-060425

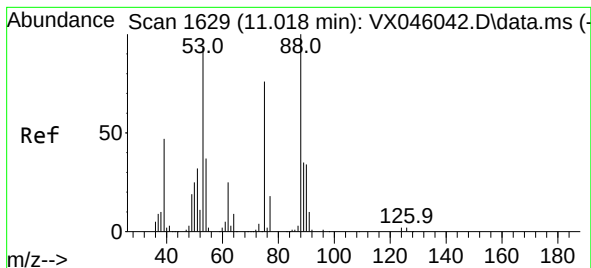
Tgt Ion:152 Resp: 113207
 Ion Ratio Lower Upper
 152 100
 115 64.8 46.9 140.7
 150 158.3 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 27.949 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046610.D
 Acq: 10 Jun 2025 17:50

Tgt Ion: 75 Resp: 67018
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.5 61.5#

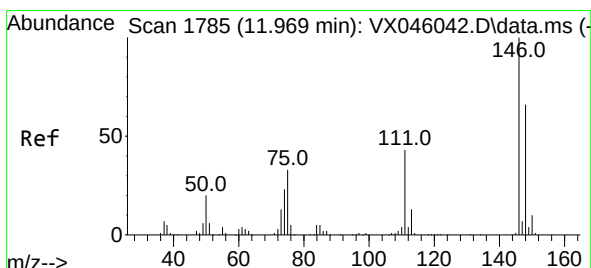
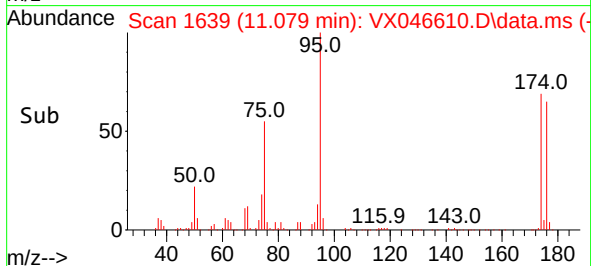
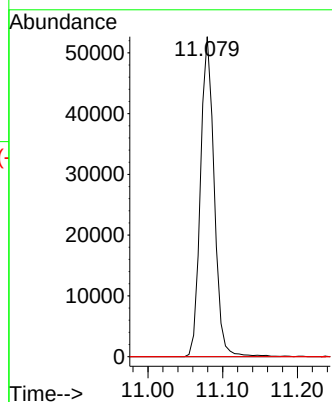
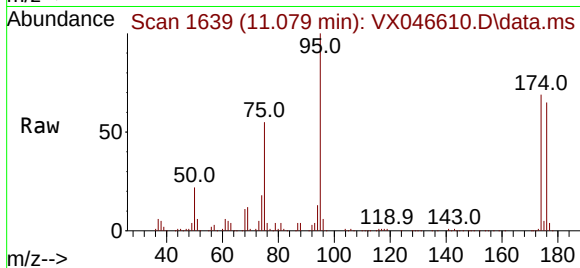




#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.622 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX046610.D
 Acq: 10 Jun 2025 17:50

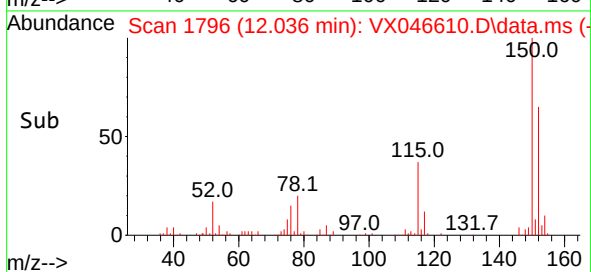
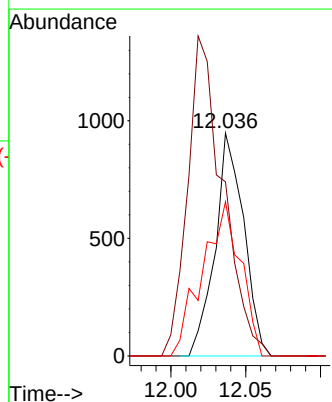
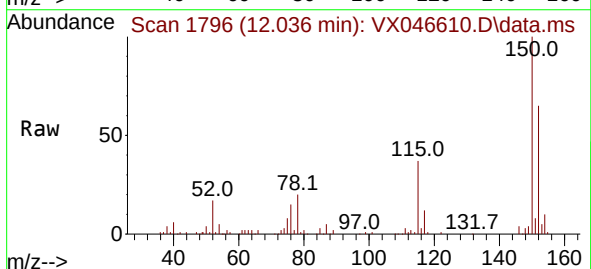
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19B-72-060425

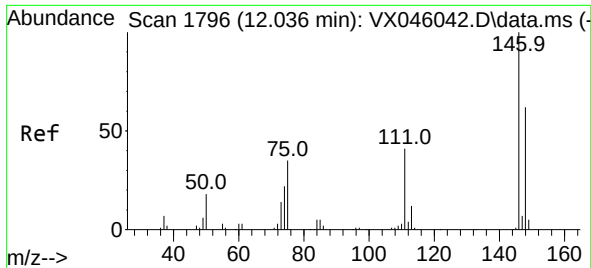
Tgt Ion: 75 Resp: 67018
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#



#87
 1,3-Dichlorobenzene
 Concen: 0.314 ug/l
 RT: 12.036 min Scan# 1796
 Delta R.T. 0.067 min
 Lab File: VX046610.D
 Acq: 10 Jun 2025 17:50

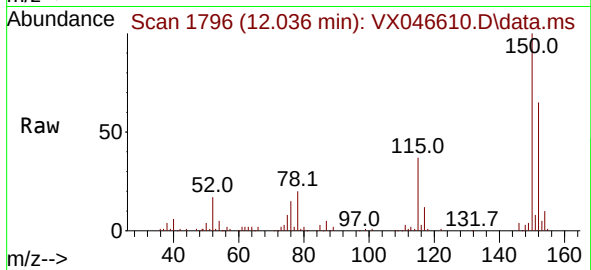
Tgt Ion:146 Resp: 1261
 Ion Ratio Lower Upper
 146 100
 111 176.5 22.1 66.3#
 148 92.1 32.1 96.5





#88
 1,4-Dichlorobenzene
 Concen: 0.303 ug/l
 RT: 12.036 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX046610.D
 Acq: 10 Jun 2025 17:50

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19B-72-060425



Tgt Ion:	146	Resp:	1261
Ion	Ratio	Lower	Upper
146	100		
111	176.5	21.3	63.9#
148	92.1	31.9	95.5

