

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046598.D
 Acq On : 10 Jun 2025 13:34
 Operator : JC/MD
 Sample : Q2233-04 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Jun 11 01:46:59 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)

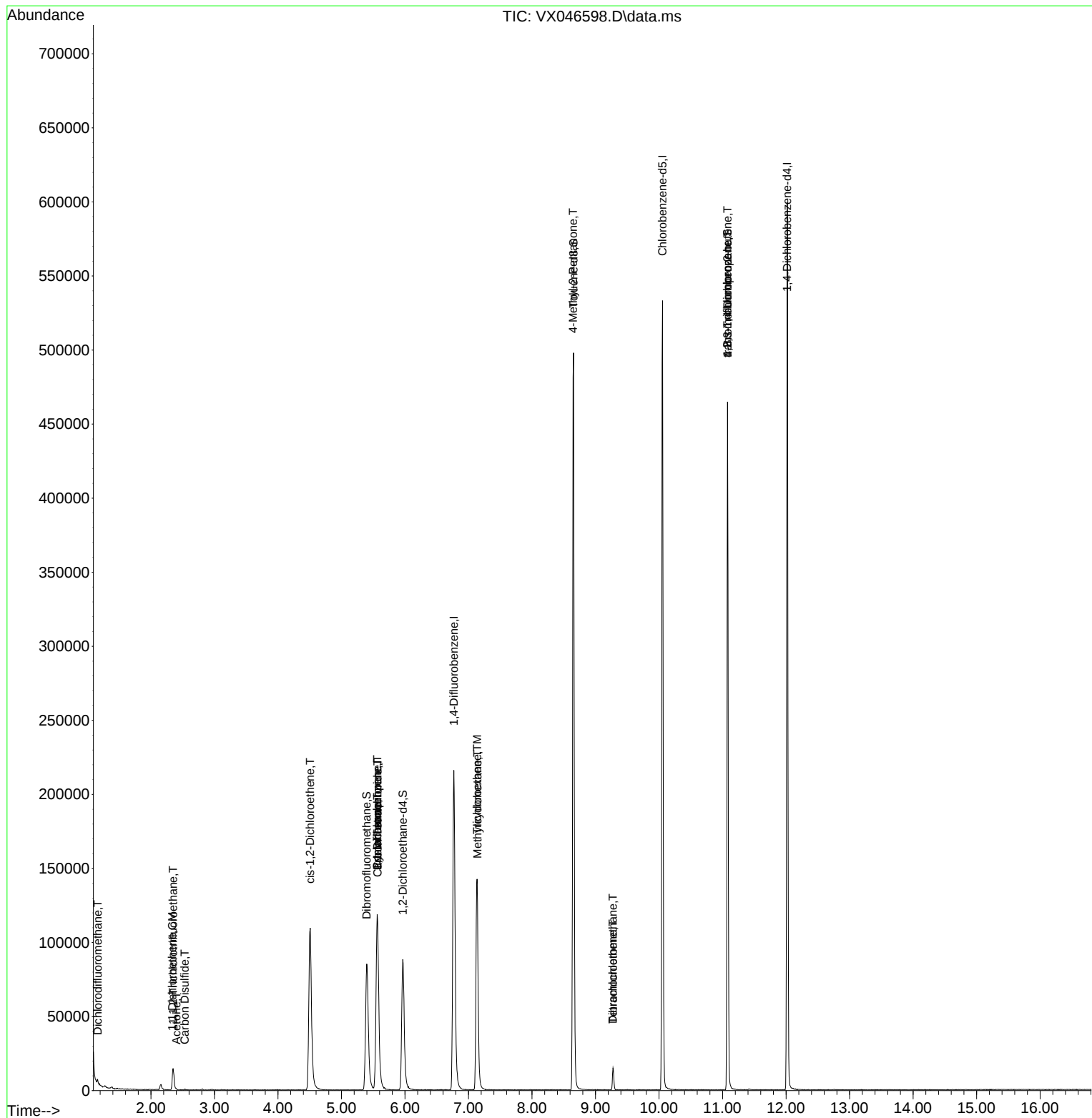
Internal Standards						
1) Pentafluorobenzene	5.562	168	114321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	223942	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	116361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	94127	46.279	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.560%
35) Dibromofluoromethane	5.397	113	79249	48.121	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.240%
50) Toluene-d8	8.653	98	297442	54.783	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.560%
62) 4-Bromofluorobenzene	11.079	95	122514	54.537	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	109.080%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.160	85	327	0.206	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.349	101	6291	4.191	ug/l	96
12) 1,1-Dichloroethene	2.337	96	470	0.346	ug/l	90
16) Acetone	2.398	43	442	5.138	ug/l	91
17) Carbon Disulfide	2.532	76	214	0.276	ug/l #	76
27) cis-1,2-Dichloroethene	4.507	96	76787	43.427	ug/l	82
31) Cyclohexane	5.562	56	2699	1.141	ug/l #	4
36) 1,1-Dichloropropene	5.562	75	9884	4.202	ug/l #	48
38) Carbon Tetrachloride	5.568	117	12766	4.845	ug/l #	18
39) Methylcyclohexane	7.141	83	754	0.272	ug/l #	1
44) Trichloroethene	7.135	130	58002	34.470	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	1593	0.626	ug/l #	1
60) Dibromochloromethane	9.275	129	2910	1.515	ug/l #	10
64) Tetrachloroethene	9.275	164	2766	1.791	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	66981	27.176	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	66981	78.394	ug/l #	1

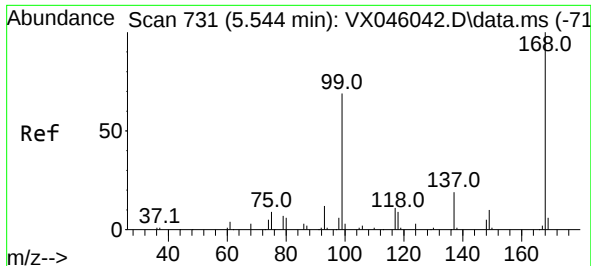
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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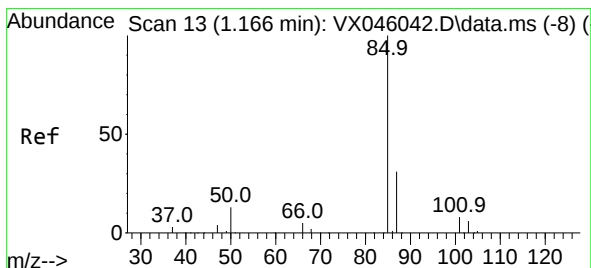
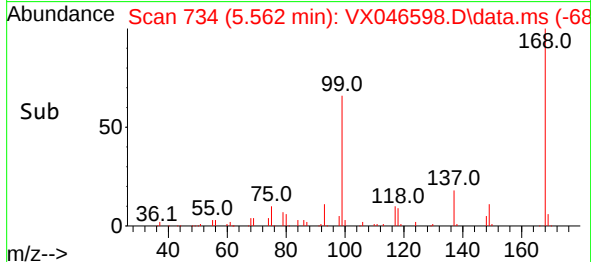
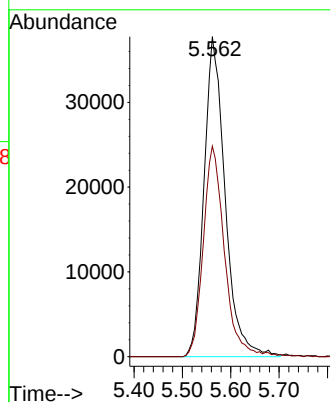
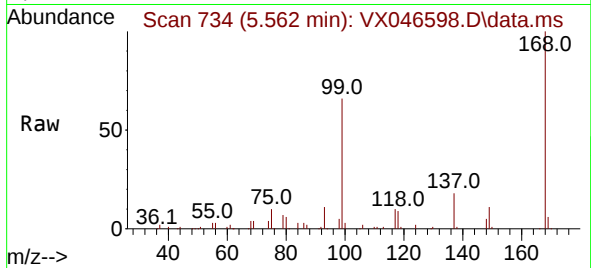




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

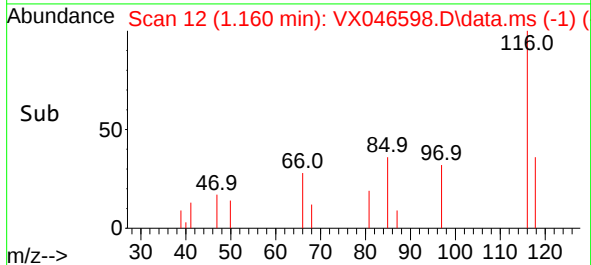
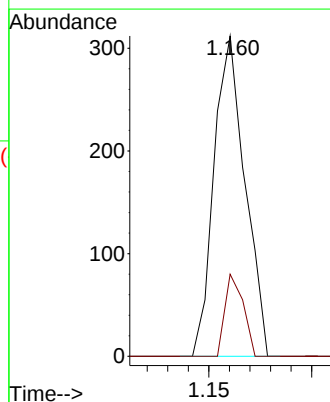
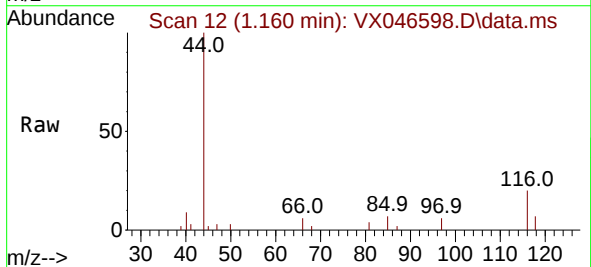
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425DL

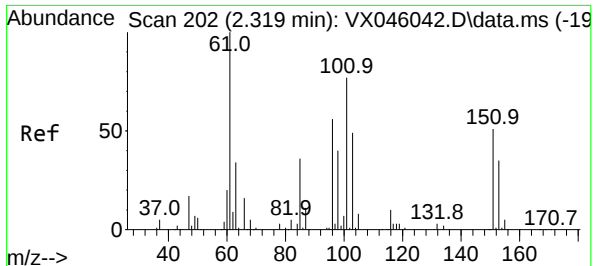
Tgt Ion:168 Resp: 114321
Ion Ratio Lower Upper
168 100
99 65.8 54.9 82.3



#2
Dichlorodifluoromethane
Concen: 0.206 ug/l
RT: 1.160 min Scan# 12
Delta R.T. -0.025 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

Tgt Ion: 85 Resp: 327
Ion Ratio Lower Upper
85 100
87 25.6 15.7 47.1

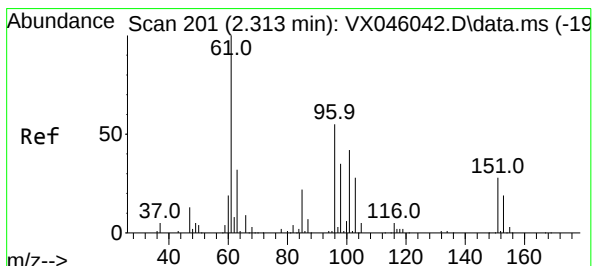
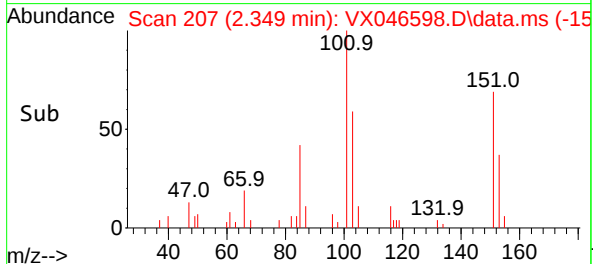
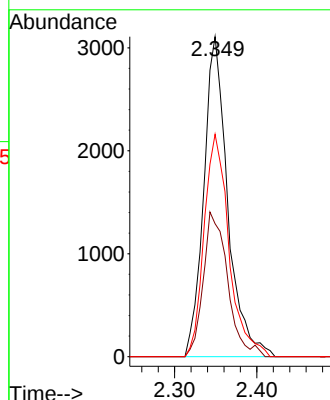
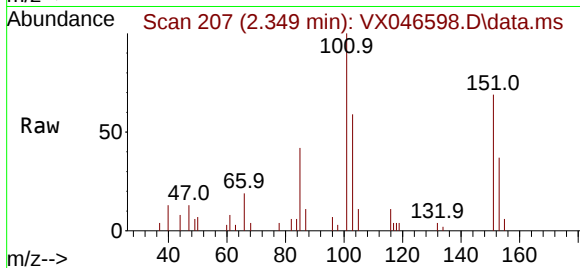




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.191 ug/l
RT: 2.349 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

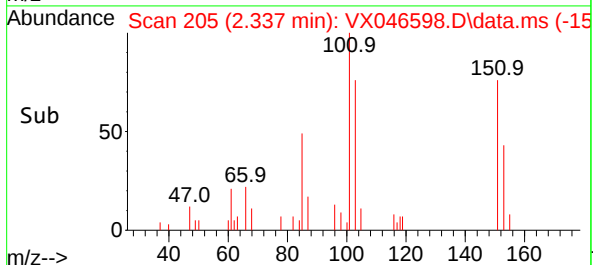
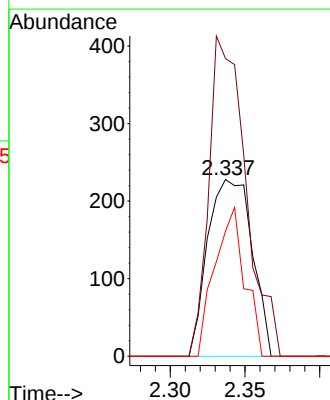
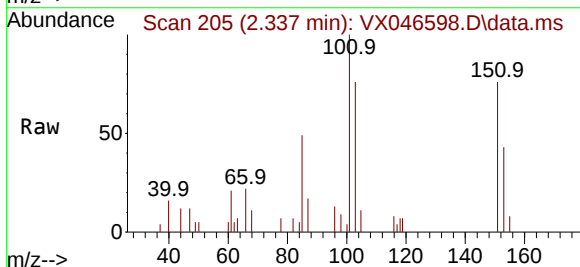
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425DL

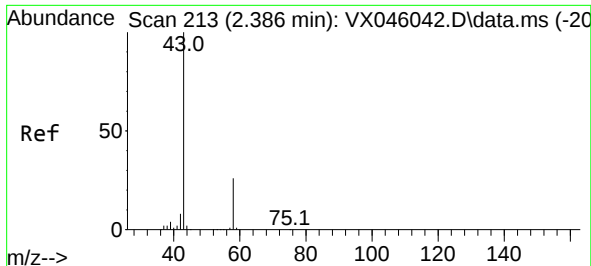
Tgt Ion:101 Resp: 6291
Ion Ratio Lower Upper
101 100
85 46.0 38.6 58.0
151 72.2 55.2 82.8



#12
1,1-Dichloroethene
Concen: 0.346 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

Tgt Ion: 96 Resp: 470
Ion Ratio Lower Upper
96 100
61 168.4 146.2 219.2
98 70.6 51.0 76.6

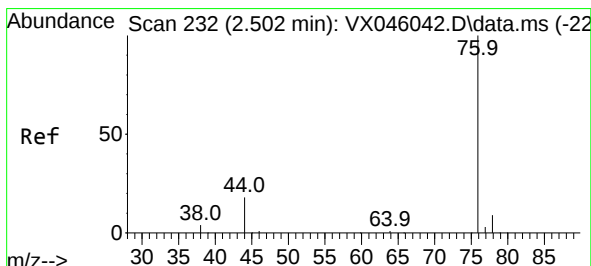
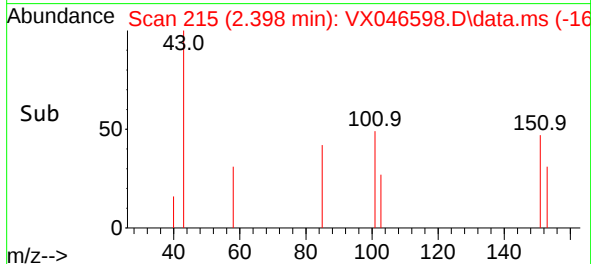
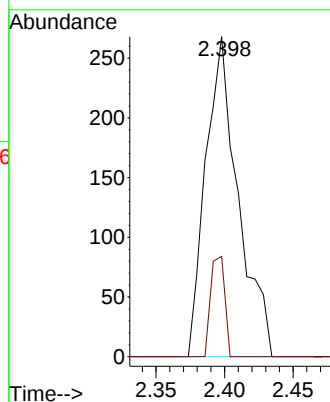
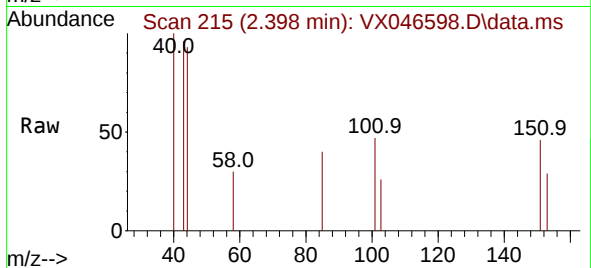




#16
Acetone
Concen: 5.138 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

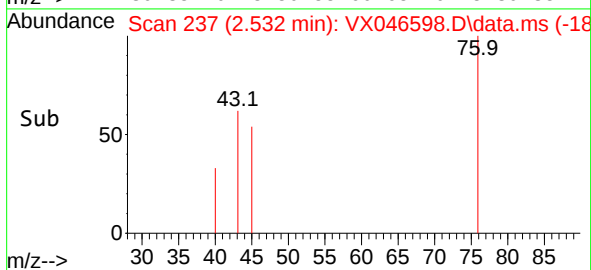
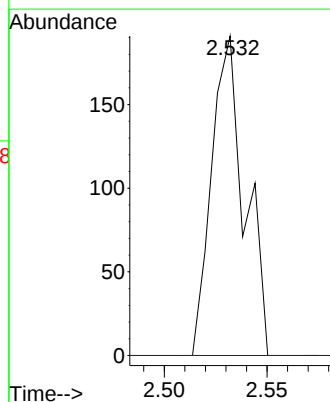
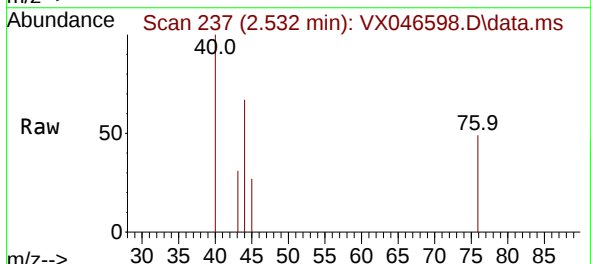
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425DL

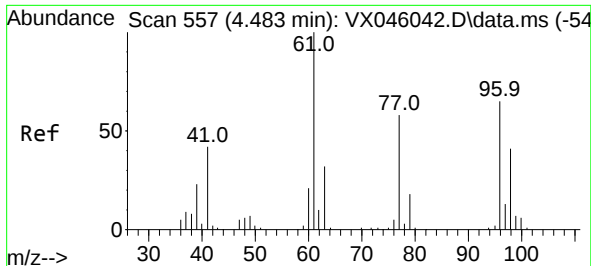
Tgt Ion: 43 Resp: 442
Ion Ratio Lower Upper
43 100
58 31.3 21.2 31.8



#17
Carbon Disulfide
Concen: 0.276 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.000 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

Tgt Ion: 76 Resp: 214
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#





#27

cis-1,2-Dichloroethene

Concen: 43.427 ug/l

RT: 4.507 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX046598.D

Acq: 10 Jun 2025 13:34

Instrument :

MSVOA_X

ClientSampleId :

MW-19B-72-060425DL

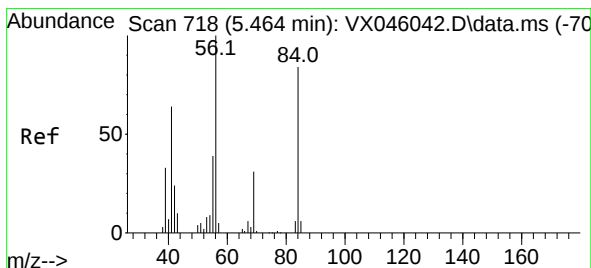
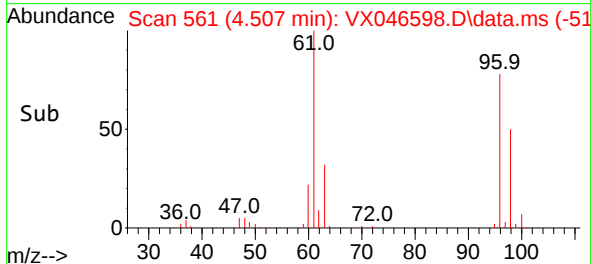
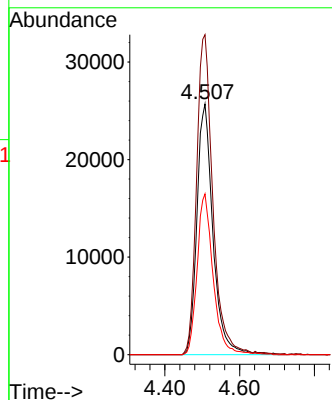
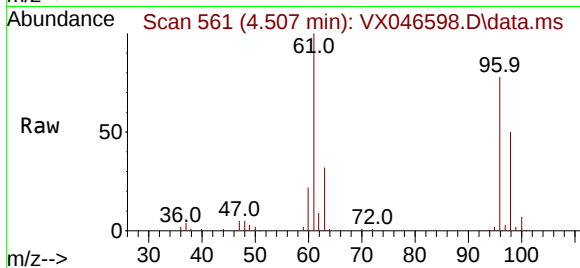
Tgt Ion: 96 Resp: 76787

Ion Ratio Lower Upper

96 100

61 128.5 0.0 322.8

98 63.8 0.0 129.0



#31

Cyclohexane

Concen: 1.141 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.073 min

Lab File: VX046598.D

Acq: 10 Jun 2025 13:34

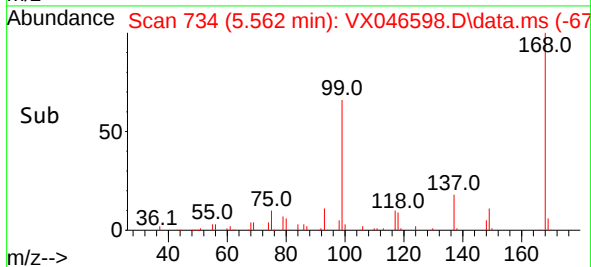
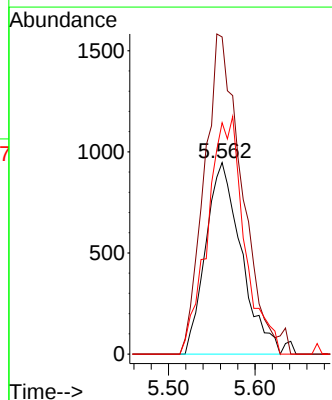
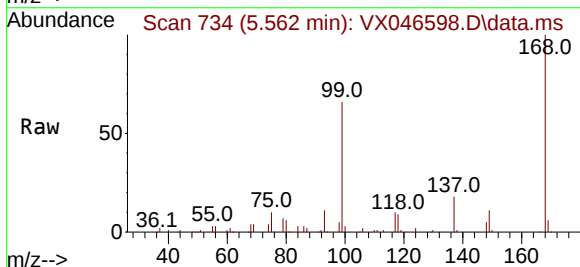
Tgt Ion: 56 Resp: 2699

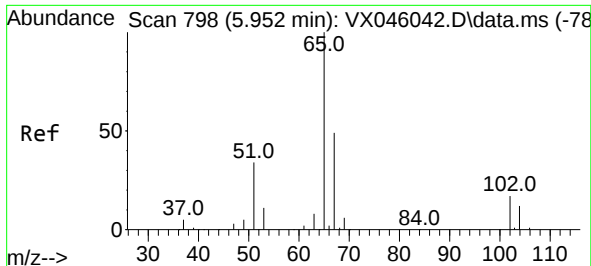
Ion Ratio Lower Upper

56 100

69 165.6 24.4 36.6#

84 120.8 66.9 100.3#

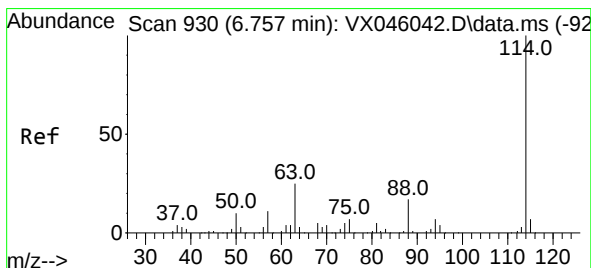
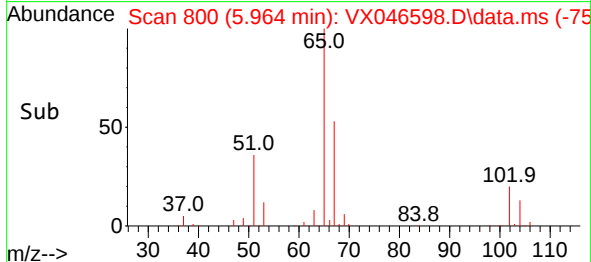
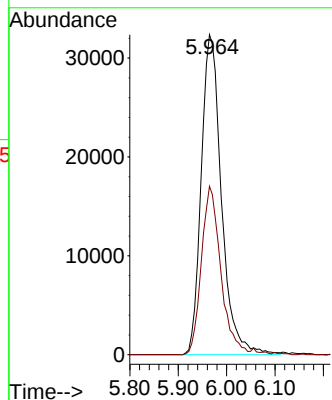
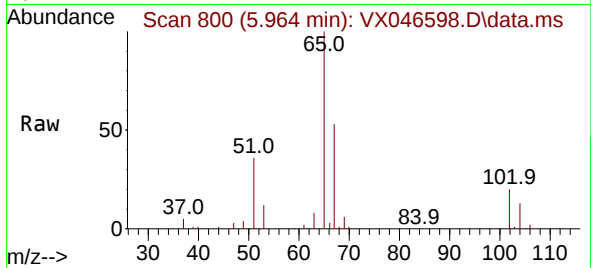




#33
1,2-Dichloroethane-d4
Concen: 46.279 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.006 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

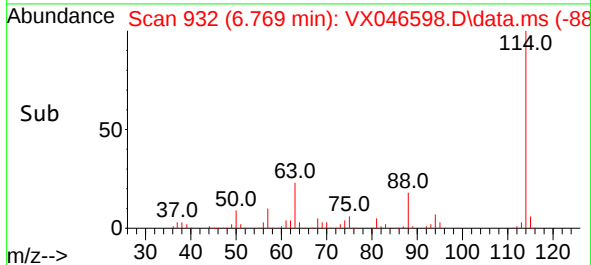
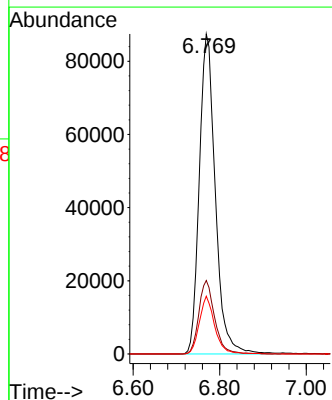
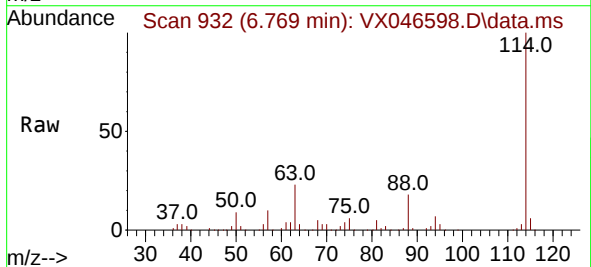
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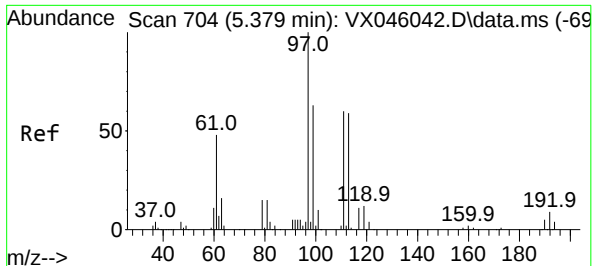
Tgt Ion: 65 Resp: 94127
Ion Ratio Lower Upper
65 100
67 50.4 0.0 99.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.006 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

Tgt Ion: 114 Resp: 223942
Ion Ratio Lower Upper
114 100
63 23.0 0.0 49.2
88 18.0 0.0 33.6

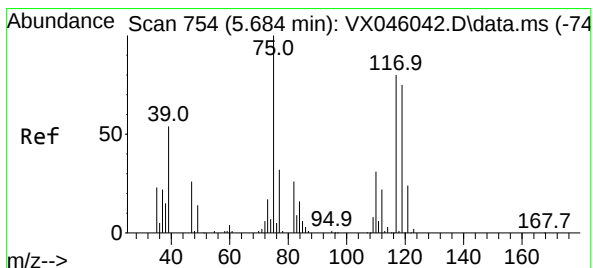
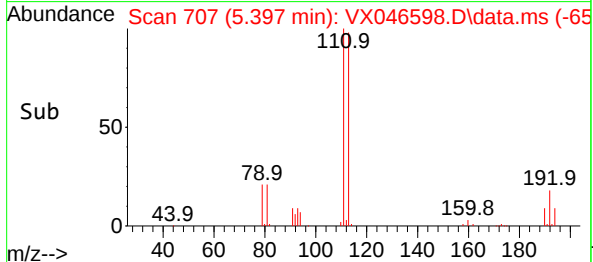
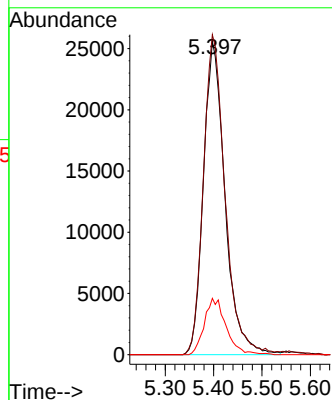
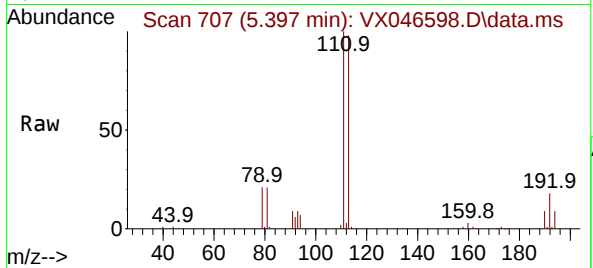




#35
Dibromofluoromethane
Concen: 48.121 ug/l
RT: 5.397 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

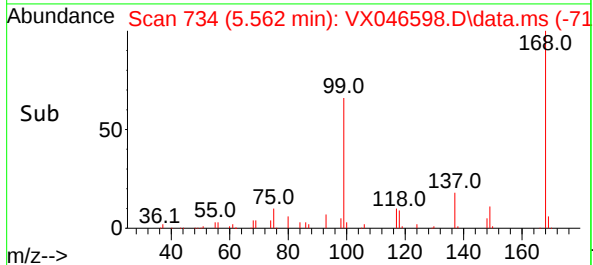
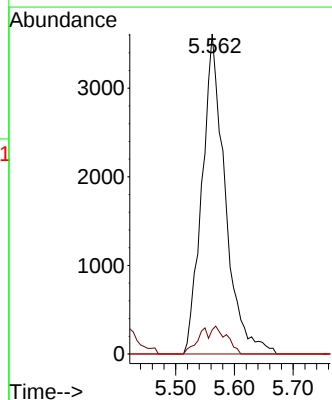
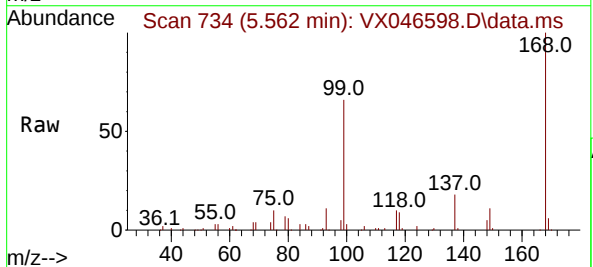
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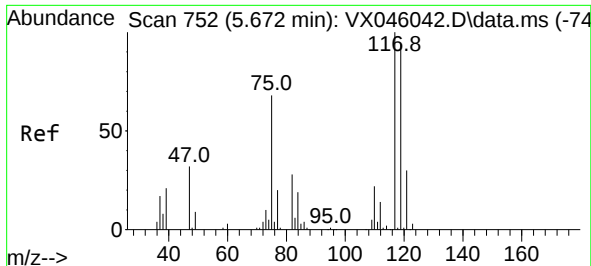
Tgt Ion:113 Resp: 79249
Ion Ratio Lower Upper
113 100
111 102.6 83.1 124.7
192 18.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.202 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.152 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

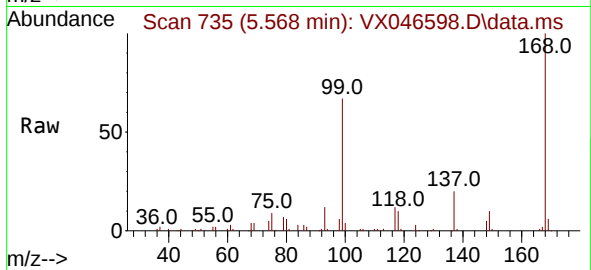
Tgt Ion: 75 Resp: 9884
Ion Ratio Lower Upper
75 100
110 5.8 16.3 48.9#
77 0.0 24.3 36.5#



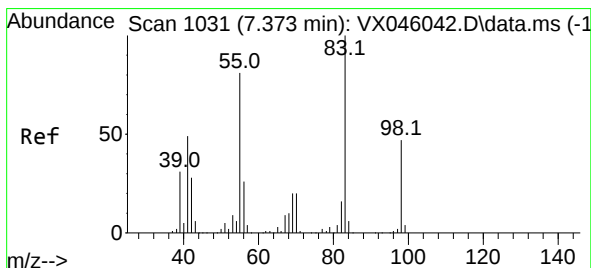
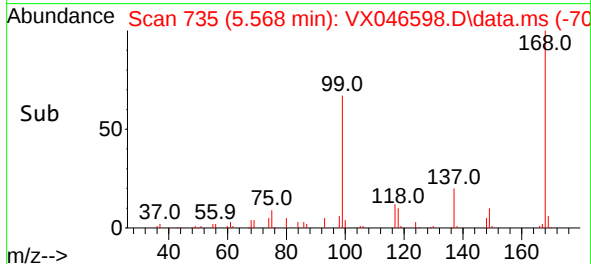
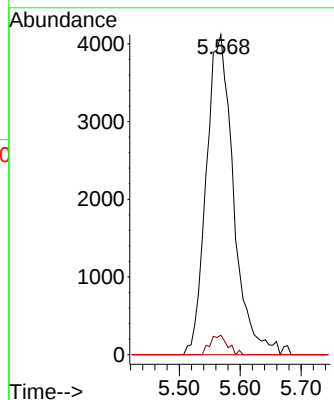


#38
Carbon Tetrachloride
Concen: 4.845 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

Instrument :
MSVOA_X
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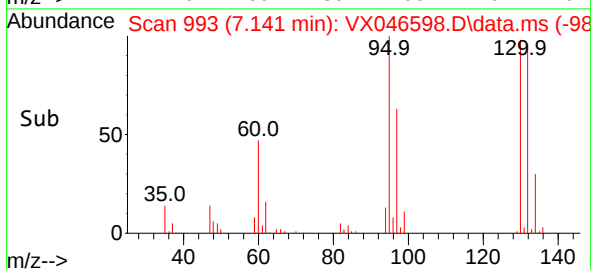
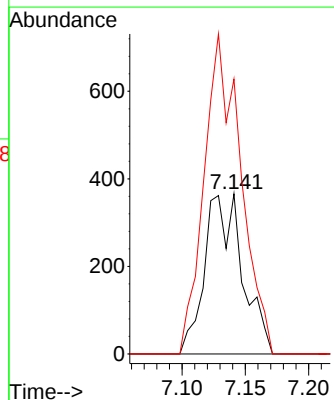
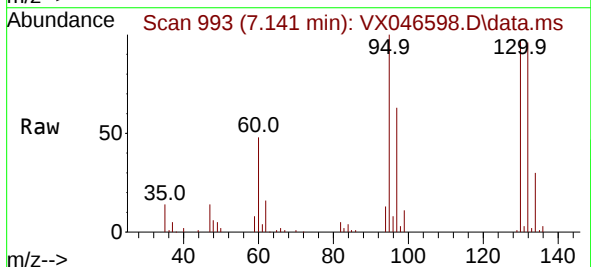


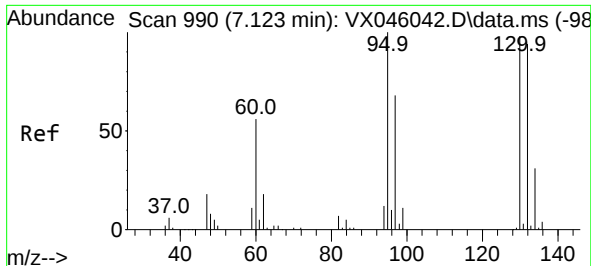
Tgt Ion:117 Resp: 12766
Ion Ratio Lower Upper
117 100
119 6.1 75.2 112.8#
121 0.0 24.2 36.4#



#39
Methylcyclohexane
Concen: 0.272 ug/l
RT: 7.141 min Scan# 993
Delta R.T. -0.250 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

Tgt Ion: 83 Resp: 754
Ion Ratio Lower Upper
83 100
55 0.0 64.7 97.1#
98 171.6 37.4 56.2#

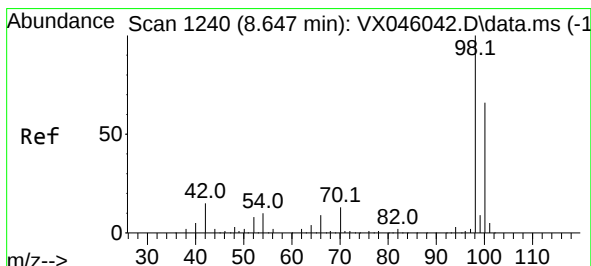
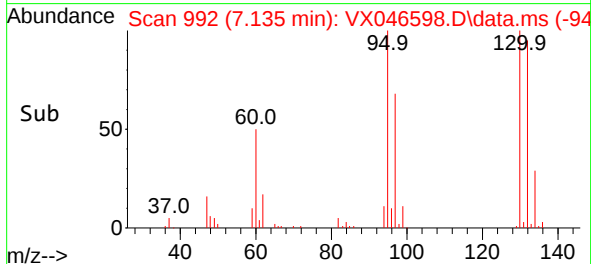
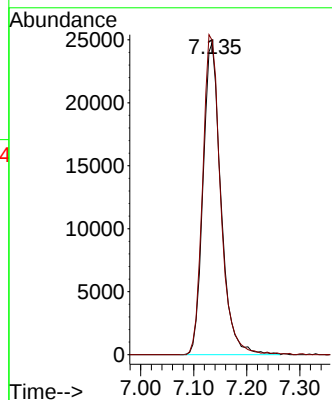
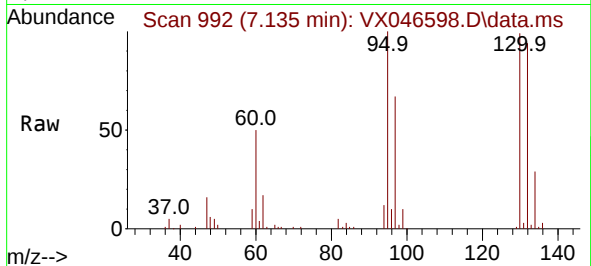




#44
 Trichloroethene
 Concen: 34.470 ug/l
 RT: 7.135 min Scan# 991
 Delta R.T. -0.000 min
 Lab File: VX046598.D
 Acq: 10 Jun 2025 13:34

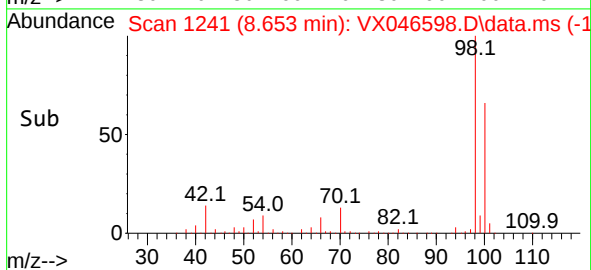
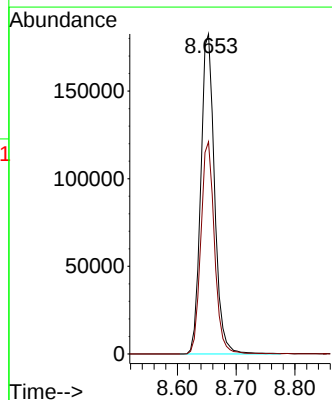
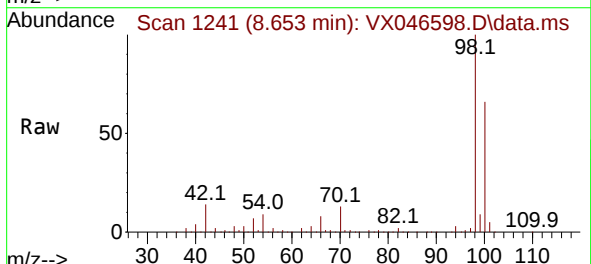
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19B-72-060425DL

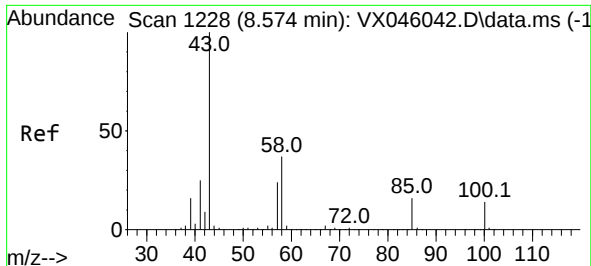
Tgt Ion:130 Resp: 58002
 Ion Ratio Lower Upper
 130 100
 95 100.8 0.0 204.2



#50
 Toluene-d8
 Concen: 54.783 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. -0.000 min
 Lab File: VX046598.D
 Acq: 10 Jun 2025 13:34

Tgt Ion: 98 Resp: 297442
 Ion Ratio Lower Upper
 98 100
 100 65.8 53.5 80.3

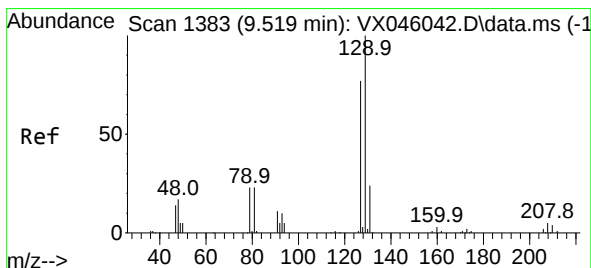
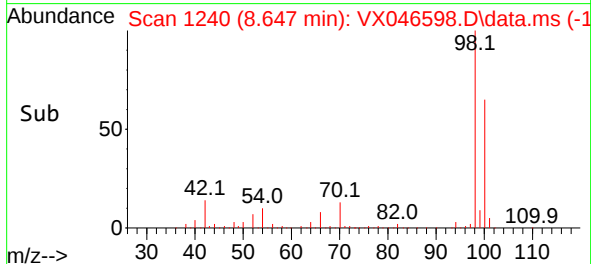
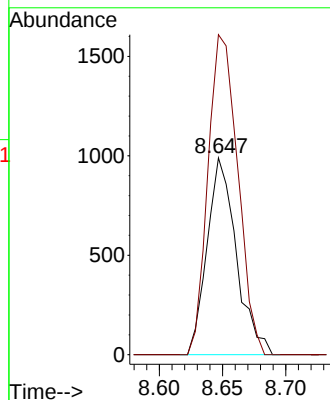
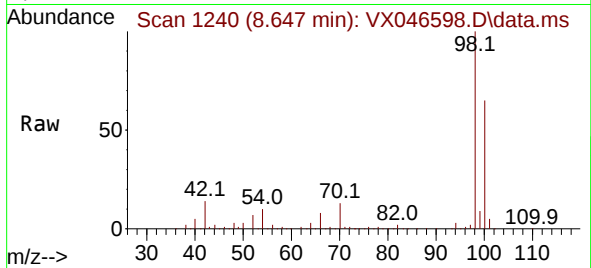




#51
4-Methyl-2-Pentanone
Concen: 0.626 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.074 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

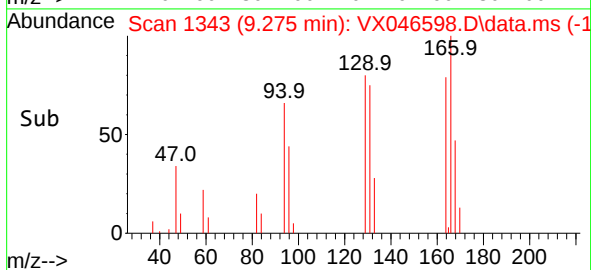
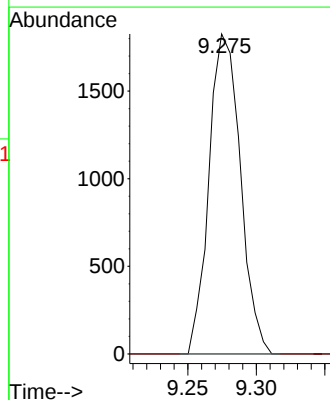
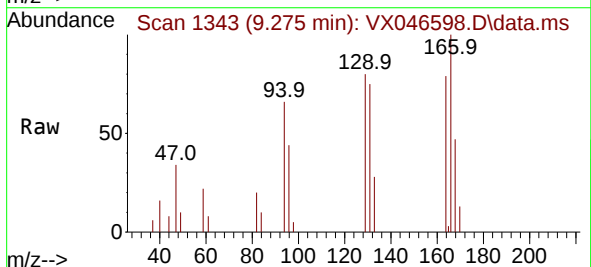
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425DL

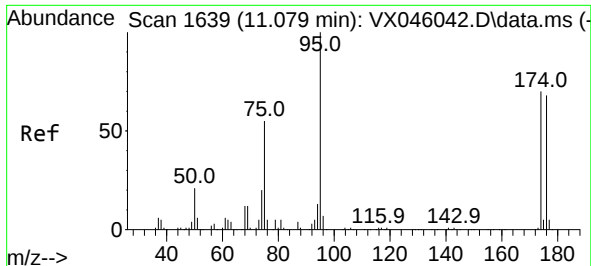
Tgt Ion: 43 Resp: 1593
Ion Ratio Lower Upper
43 100
58 165.7 28.9 43.3#



#60
Dibromochloromethane
Concen: 1.515 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

Tgt Ion: 129 Resp: 2910
Ion Ratio Lower Upper
129 100
127 0.0 39.3 117.8#





#62

4-Bromofluorobenzene

Concen: 54.537 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046598.D

Acq: 10 Jun 2025 13:34

Instrument :

MSVOA_X

ClientSampleId :

MW-19B-72-060425DL

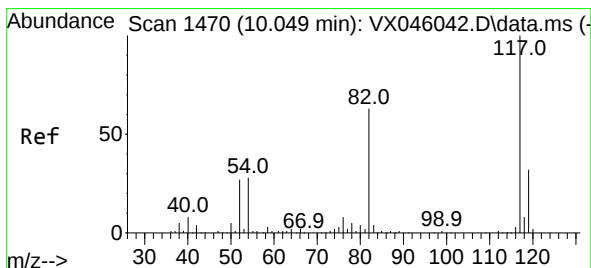
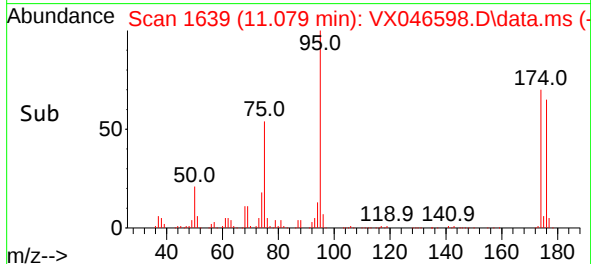
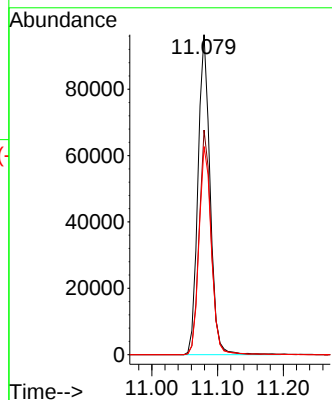
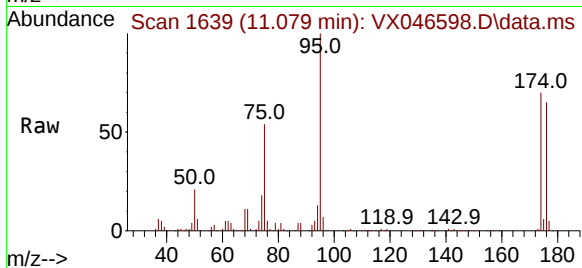
Tgt Ion: 95 Resp: 122514

Ion Ratio Lower Upper

95 100

174 69.7 0.0 135.8

176 66.2 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: VX046598.D

Acq: 10 Jun 2025 13:34

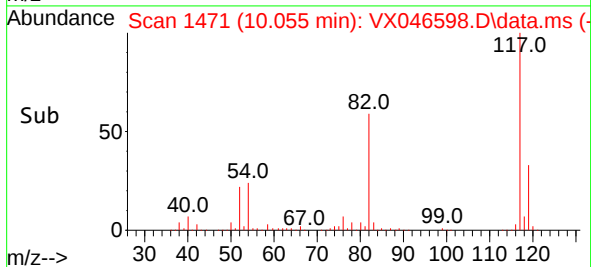
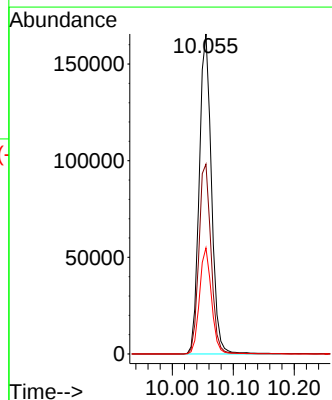
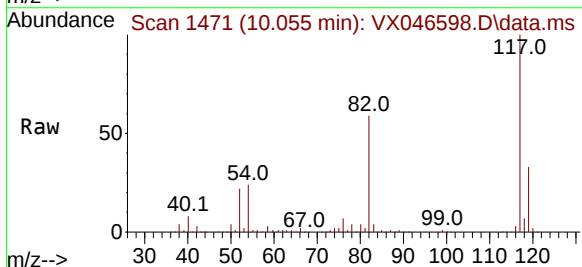
Tgt Ion: 117 Resp: 230937

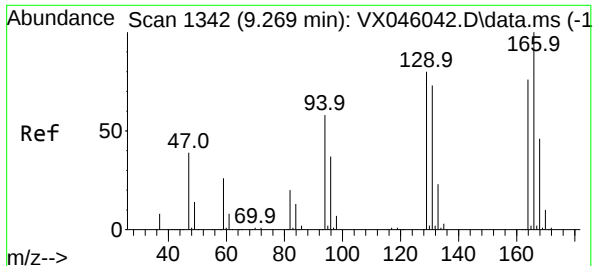
Ion Ratio Lower Upper

117 100

82 59.3 50.6 76.0

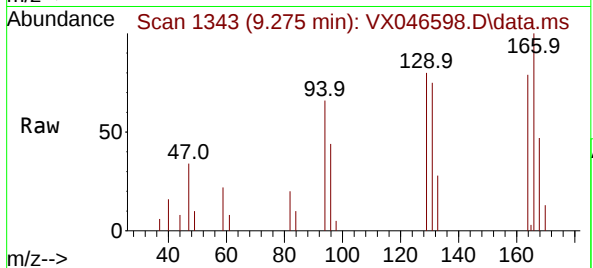
119 33.1 25.8 38.6



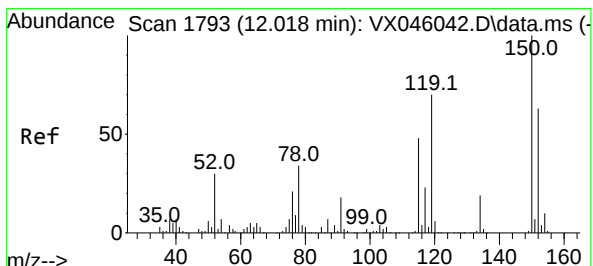
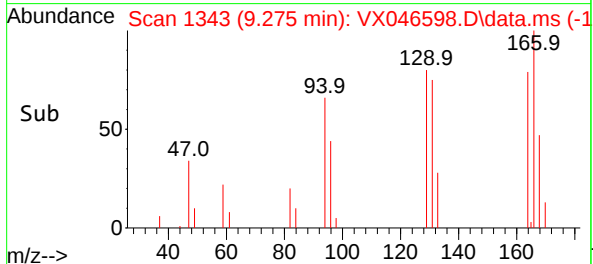
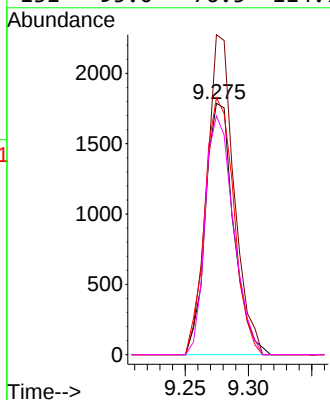


#64
Tetrachloroethene
Concen: 1.791 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

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

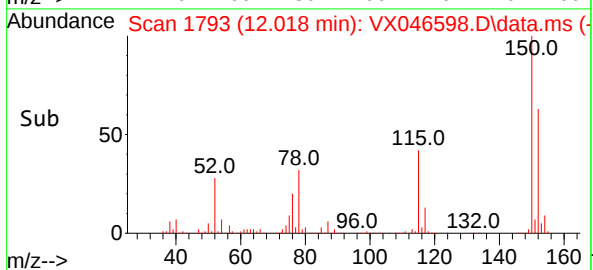
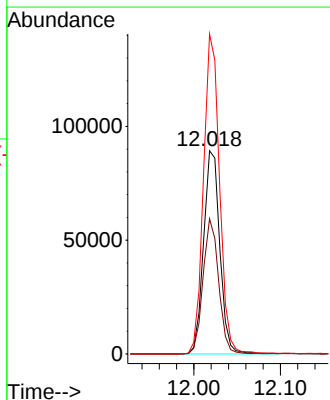
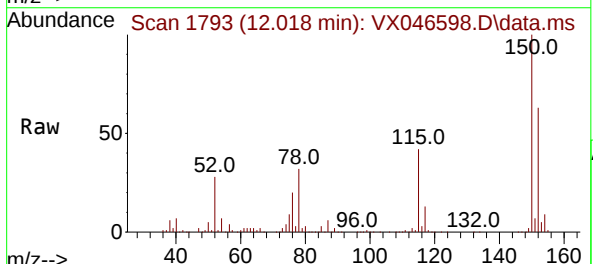


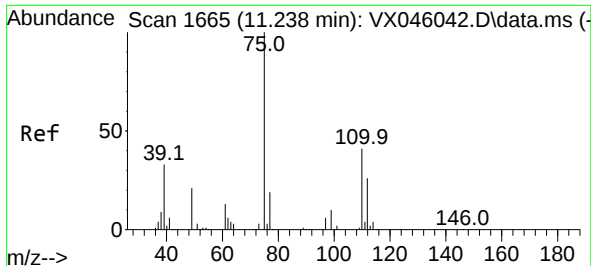
Tgt Ion:	164	Resp:	2766
Ion	Ratio	Lower	Upper
164	100		
166	127.3	105.0	157.6
129	102.2	83.5	125.3
131	95.0	76.5	114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

Tgt Ion:	152	Resp:	116361
Ion	Ratio	Lower	Upper
152	100		
115	64.4	46.9	140.7
150	155.8	0.0	351.0

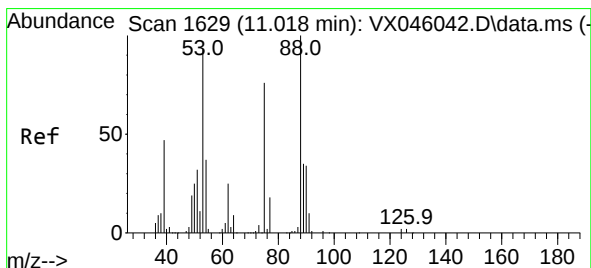
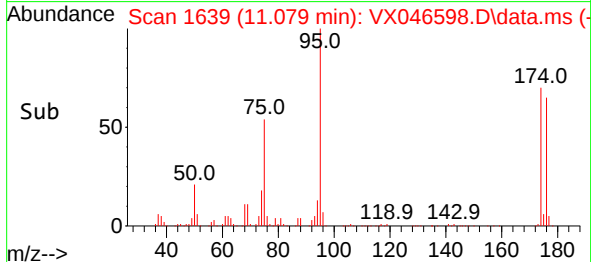
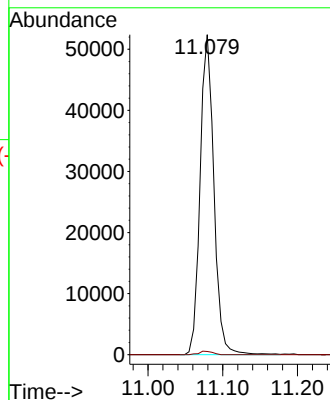
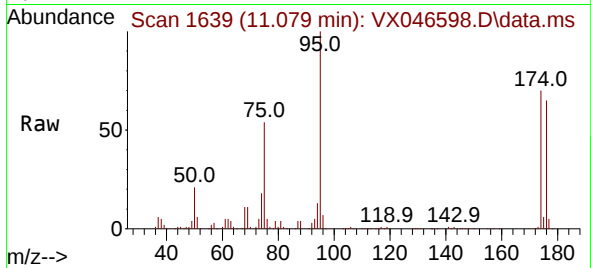




#76
1,2,3-Trichloropropane
Concen: 27.176 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

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

Tgt Ion: 75 Resp: 66981
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.394 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

Tgt Ion: 75 Resp: 66981
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

