

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
 Data File : VX047411.D
 Acq On : 19 Aug 2025 14:50
 Operator : JC/MD
 Sample : Q2841-01DL 1000X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-06-6.5-08122025DL

Quant Time: Aug 20 01:27:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

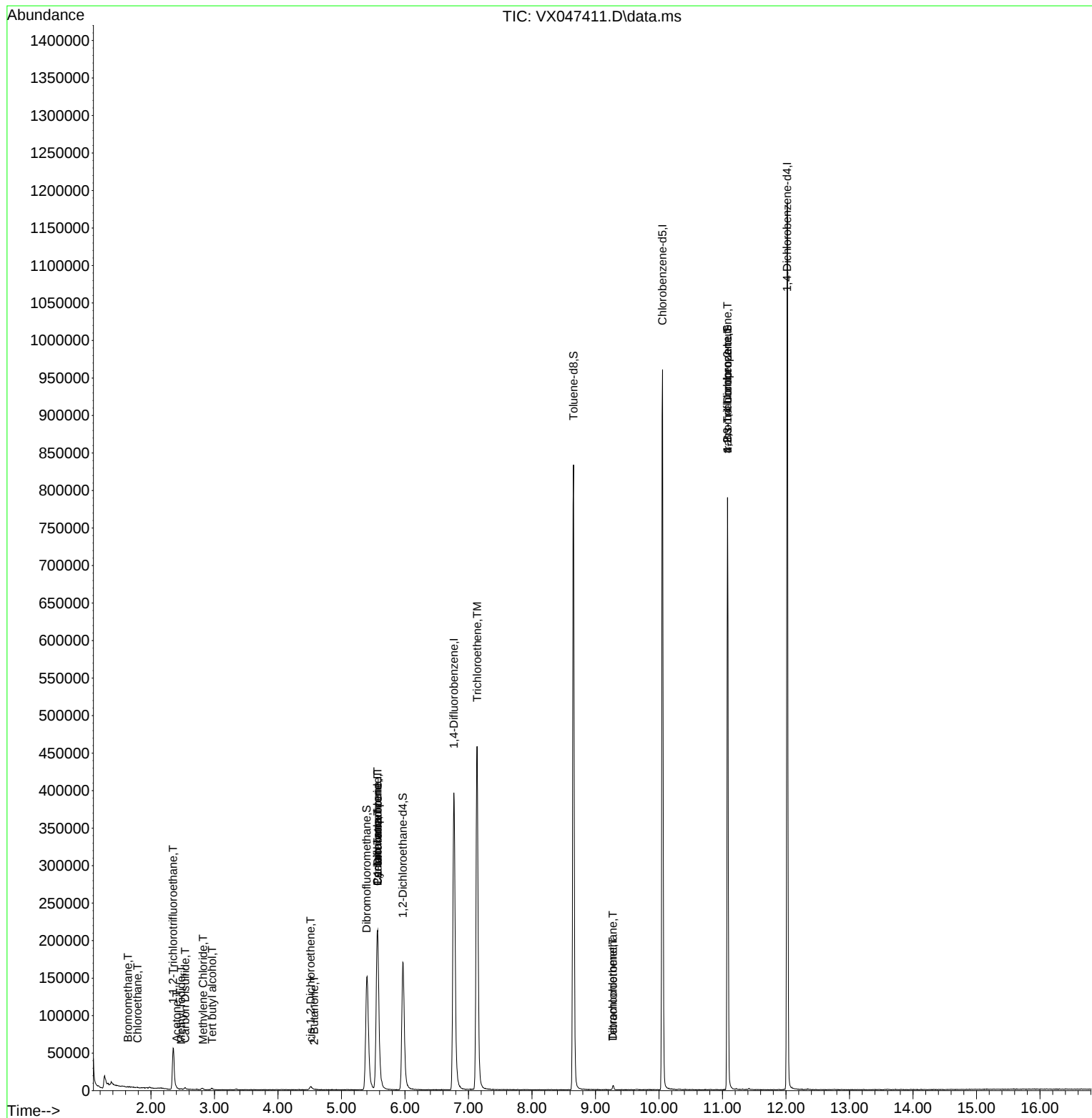
Internal Standards						
1) Pentafluorobenzene	5.568	168	214007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	430805	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	440552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	231200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	180305	60.200	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 120.400%#		
35) Dibromofluoromethane	5.397	113	146221	52.297	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.600%		
50) Toluene-d8	8.653	98	505562	50.589	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 101.180%		
62) 4-Bromofluorobenzene	11.079	95	214011	58.032	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 116.060%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	254	0.204	ug/l #	62
6) Chloroethane	1.788	64	1046	0.555	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.349	101	25483	9.642	ug/l	99
10) Methyl Iodide	2.477	142	1580	0.349	ug/l #	75
11) Tert butyl alcohol	2.965	59	334	1.282	ug/l #	72
16) Acetone	2.404	43	2334	2.073	ug/l #	87
17) Carbon Disulfide	2.538	76	2678	0.329	ug/l #	89
20) Methylene Chloride	2.819	84	895	0.300	ug/l #	60
25) 2-Butanone	4.568	43	349	0.237	ug/l #	50
27) cis-1,2-Dichloroethene	4.513	96	3036	0.911	ug/l	81
31) Cyclohexane	5.568	56	4577	0.950	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	18095	4.100	ug/l #	48
38) Carbon Tetrachloride	5.568	117	22840	4.736	ug/l #	15
44) Trichloroethene	7.135	130	186641	55.175	ug/l	99
60) Dibromochloromethane	9.275	129	1112	0.302	ug/l #	11
64) Tetrachloroethene	9.275	164	1084	0.340	ug/l #	80
76) 1,2,3-Trichloropropane	11.079	75	110483	26.054	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	110483	103.304	ug/l #	7

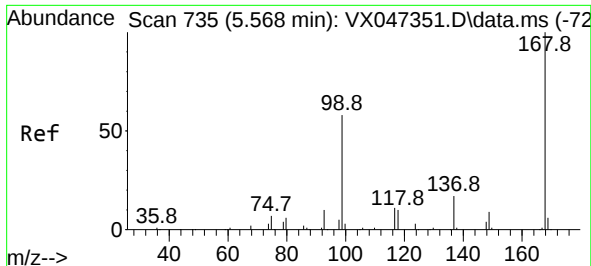
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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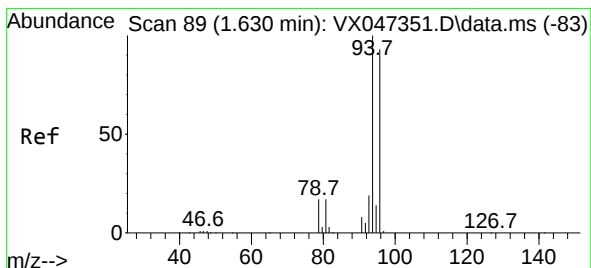
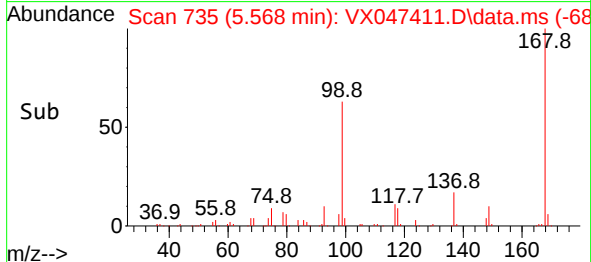
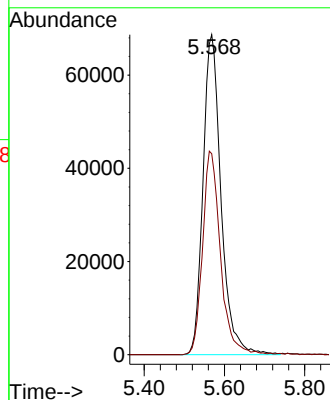
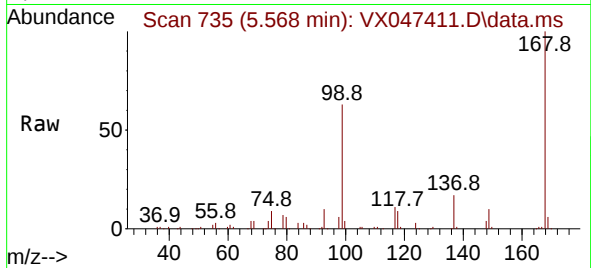




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

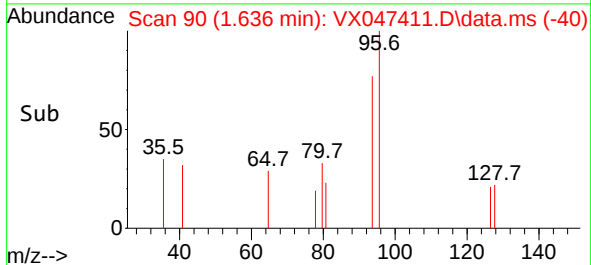
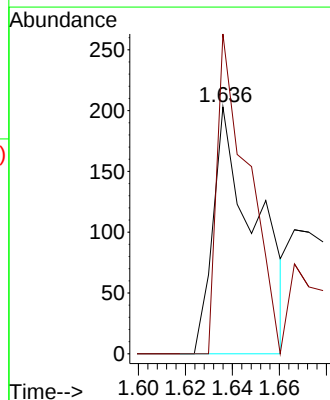
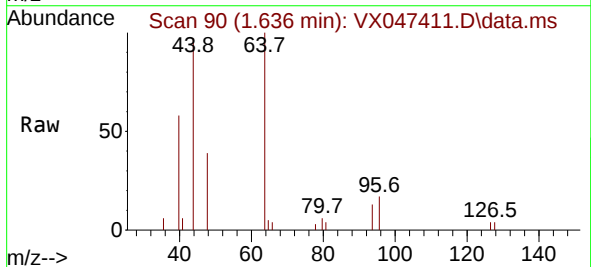
Instrument : MSVOA_X
ClientSampleId : MW-06-6.5-08122025DL

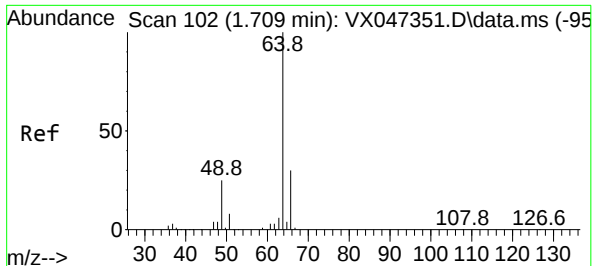
Tgt Ion:168 Resp: 214007
Ion Ratio Lower Upper
168 100
99 62.8 47.9 71.9



#5
Bromomethane
Concen: 0.204 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.006 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

Tgt Ion: 94 Resp: 254
Ion Ratio Lower Upper
94 100
96 129.6 74.7 112.1#

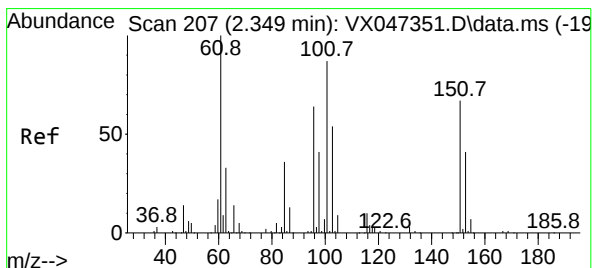
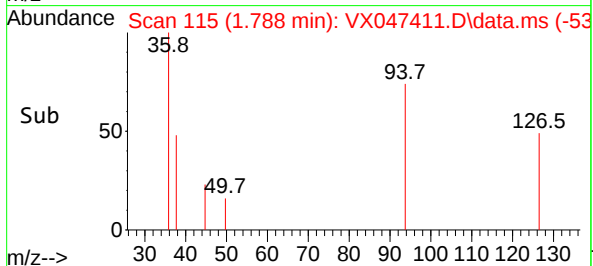
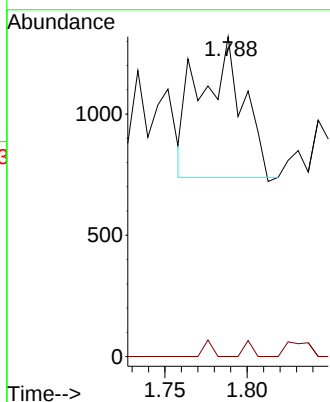
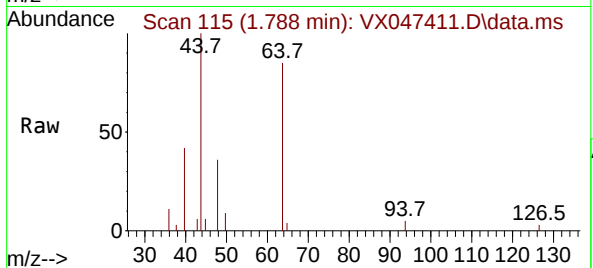




#6
Chloroethane
Concen: 0.555 ug/l
RT: 1.788 min Scan# 115
Delta R.T. 0.079 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

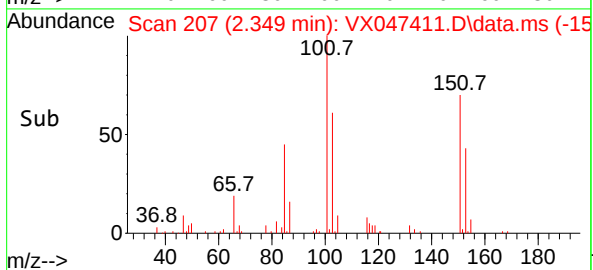
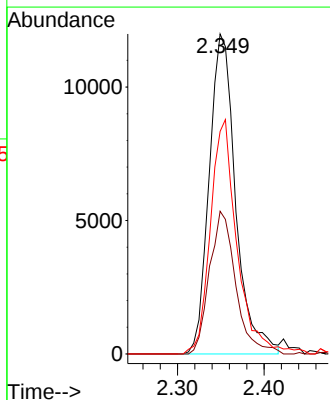
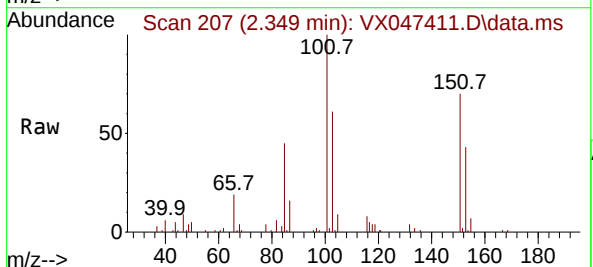
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-08122025DL

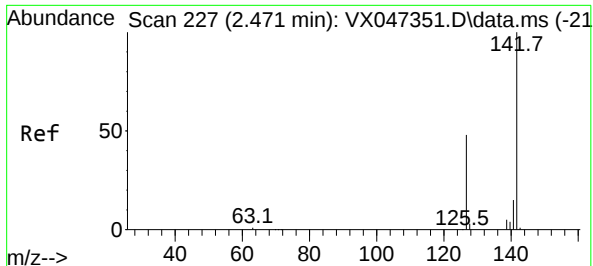
Tgt Ion: 64 Resp: 1046
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.642 ug/l
RT: 2.349 min Scan# 207
Delta R.T. 0.000 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

Tgt Ion:101 Resp: 25483
Ion Ratio Lower Upper
101 100
85 44.2 34.3 51.5
151 73.6 59.2 88.8

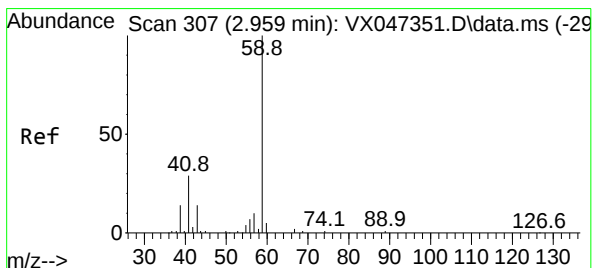
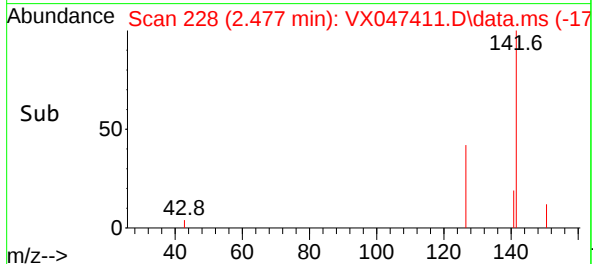
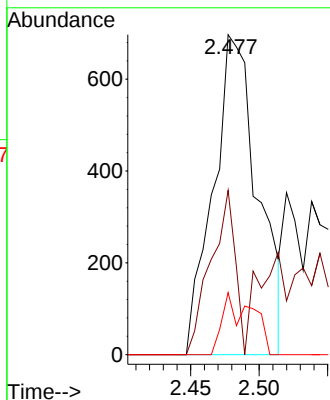
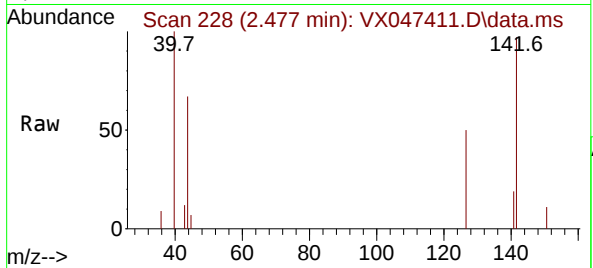




#10
Methyl Iodide
Concen: 0.349 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

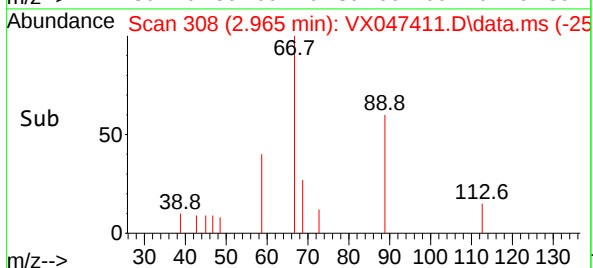
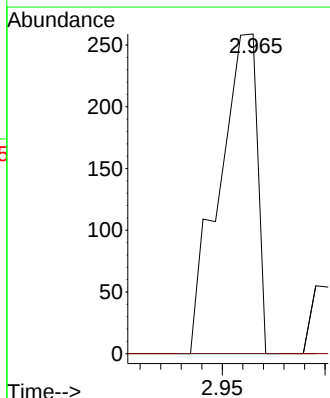
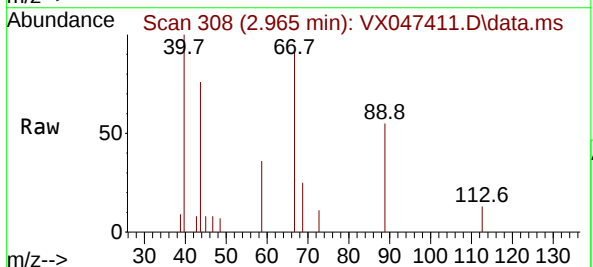
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-08122025DL

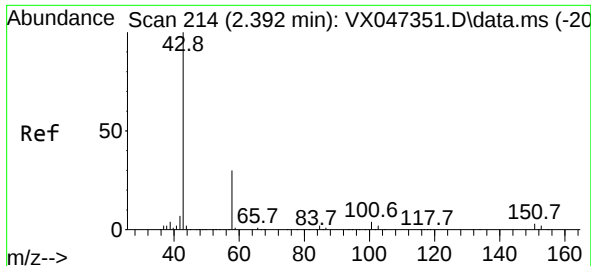
Tgt Ion:142 Resp: 1580
Ion Ratio Lower Upper
142 100
127 28.1 36.1 54.1#
141 5.9 11.1 16.7#



#11
Tert butyl alcohol
Concen: 1.282 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

Tgt Ion: 59 Resp: 334
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

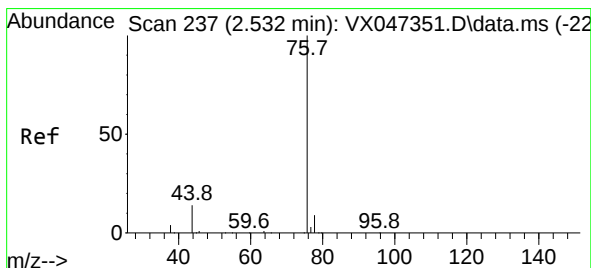
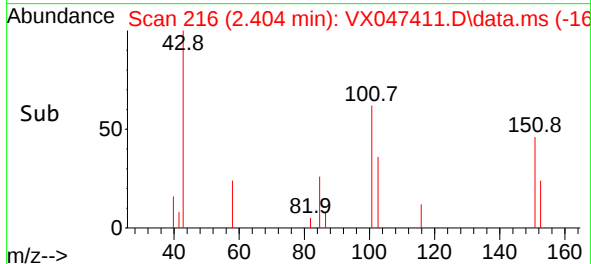
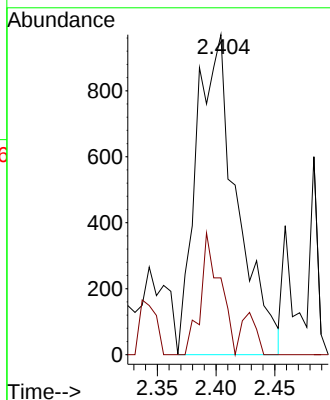
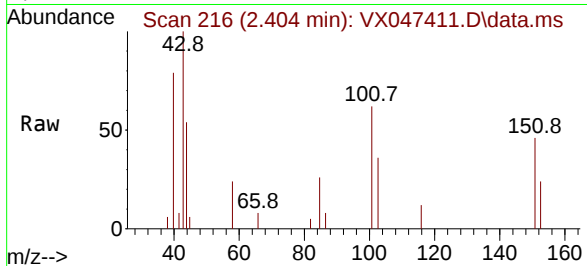




#16
Acetone
Concen: 2.073 ug/l
RT: 2.404 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

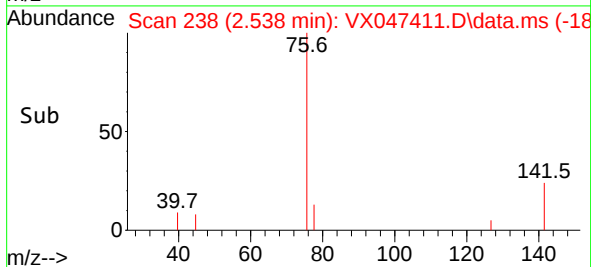
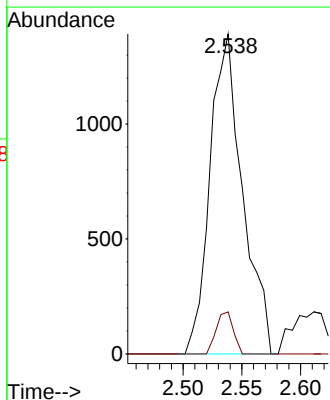
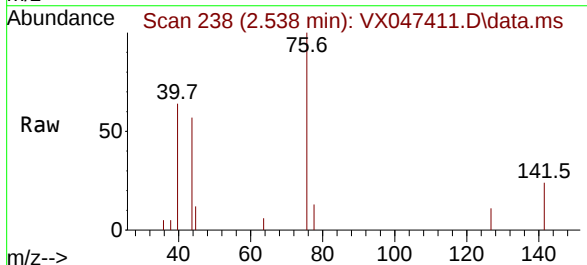
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-08122025DL

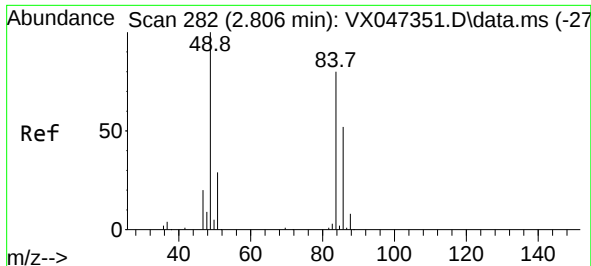
Tgt Ion: 43 Resp: 2334
Ion Ratio Lower Upper
43 100
58 24.0 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.329 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

Tgt Ion: 76 Resp: 2678
Ion Ratio Lower Upper
76 100
78 13.1 7.2 10.8#

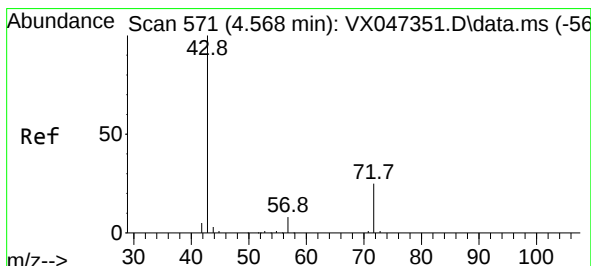
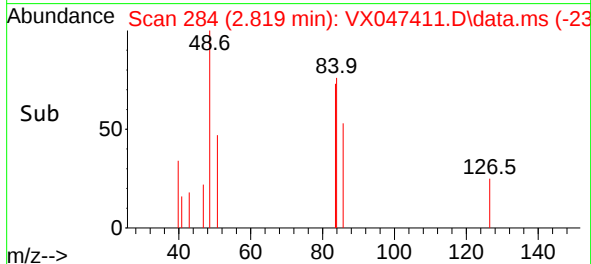
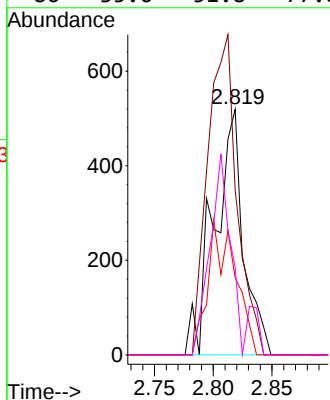
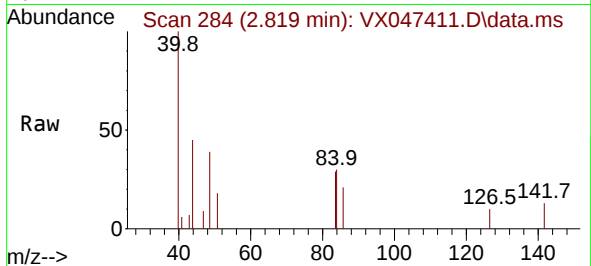




#20
Methylene Chloride
Concen: 0.300 ug/l
RT: 2.819 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

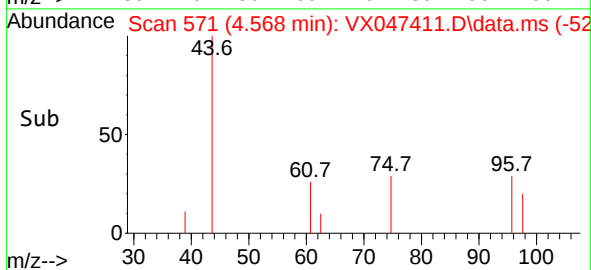
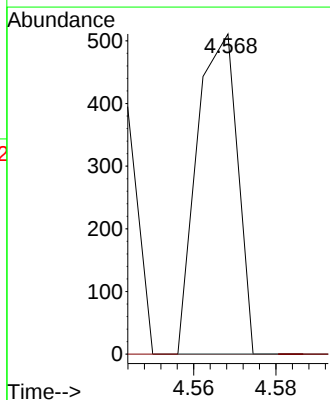
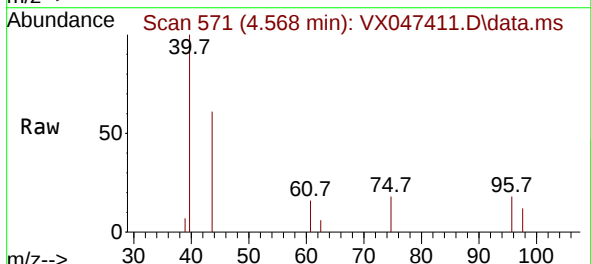
Instrument :
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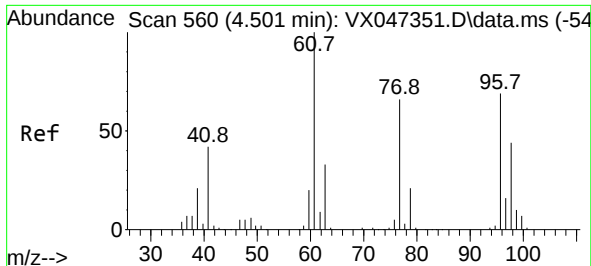
Tgt Ion: 84 Resp: 895
Ion Ratio Lower Upper
84 100
49 67.1 100.1 150.1#
51 31.4 29.5 44.3
86 35.6 51.8 77.8#



#25
2-Butanone
Concen: 0.237 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

Tgt Ion: 43 Resp: 349
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.8#





#27

cis-1,2-Dichloroethene

Concen: 0.911 ug/l

RT: 4.513 min Scan# 50

Delta R.T. 0.012 min

Lab File: VX047411.D

Acq: 19 Aug 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

MW-06-6.5-08122025DL

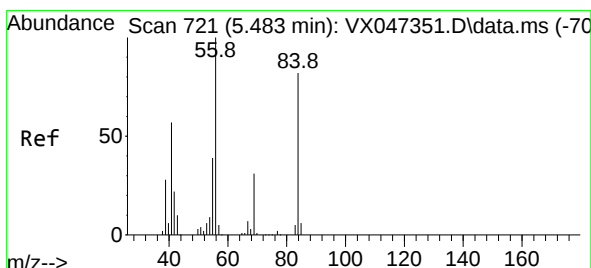
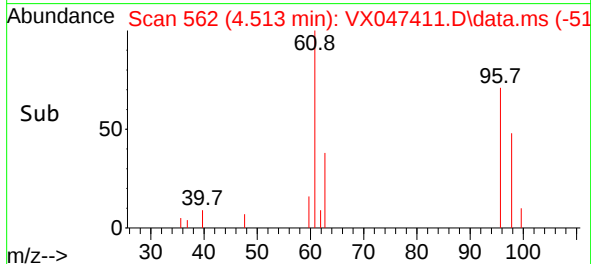
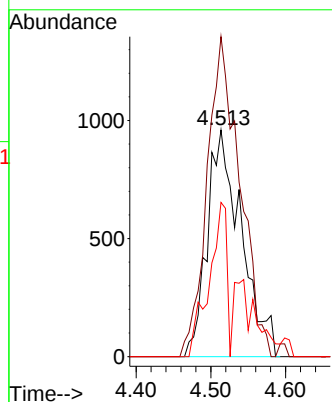
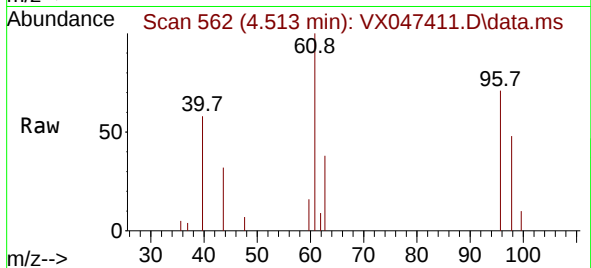
Tgt Ion: 96 Resp: 3036

Ion Ratio Lower Upper

96 100

61 135.7 0.0 296.6

98 35.0 0.0 130.4



#31

Cyclohexane

Concen: 0.950 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.086 min

Lab File: VX047411.D

Acq: 19 Aug 2025 14:50

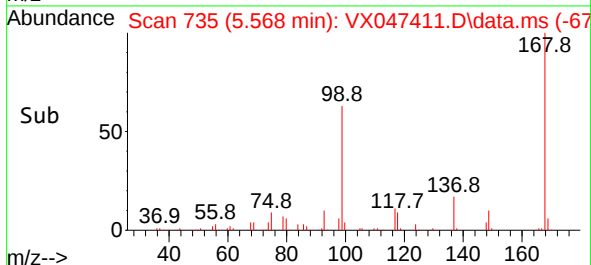
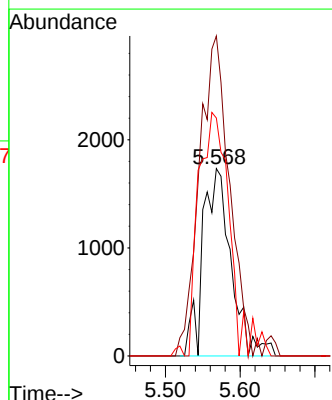
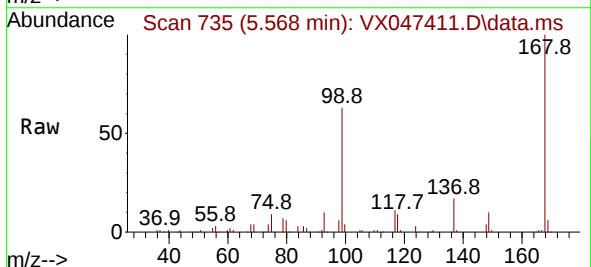
Tgt Ion: 56 Resp: 4577

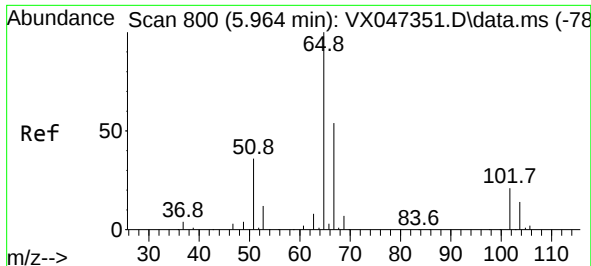
Ion Ratio Lower Upper

56 100

69 170.8 24.3 36.5#

84 127.0 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 60.200 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047411.D

Acq: 19 Aug 2025 14:50

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MSVOA_X

ClientSampleId :

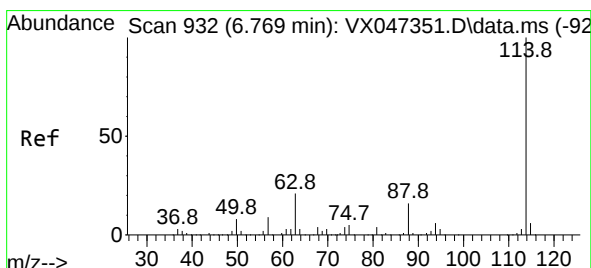
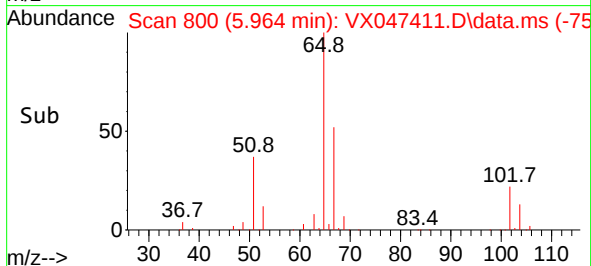
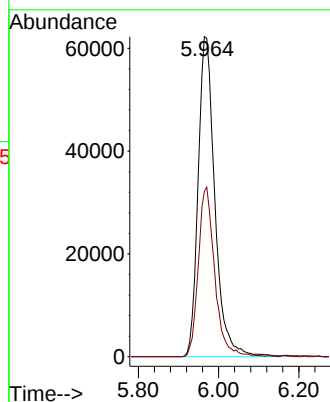
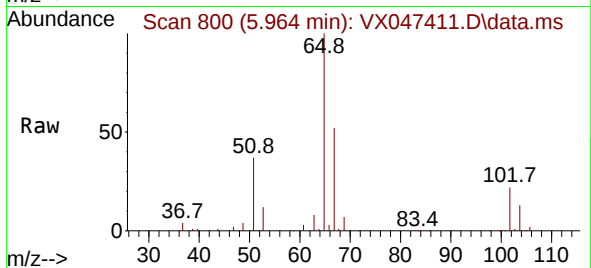
MW-06-6.5-08122025DL

Tgt Ion: 65 Resp: 180305

Ion Ratio Lower Upper

65 100

67 51.9 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047411.D

Acq: 19 Aug 2025 14:50

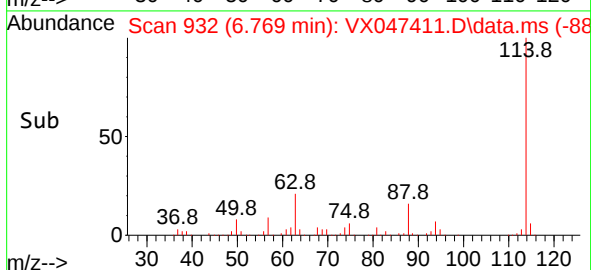
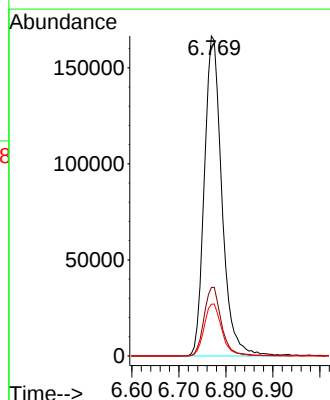
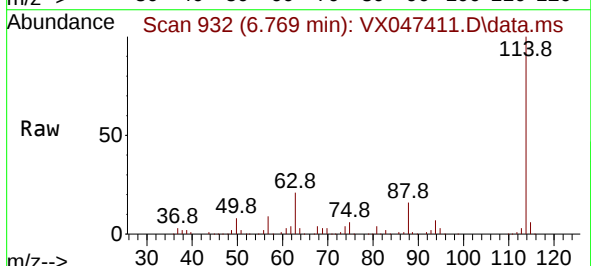
Tgt Ion: 114 Resp: 430805

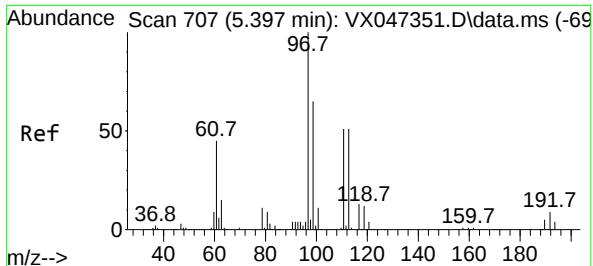
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

88 16.2 0.0 33.0

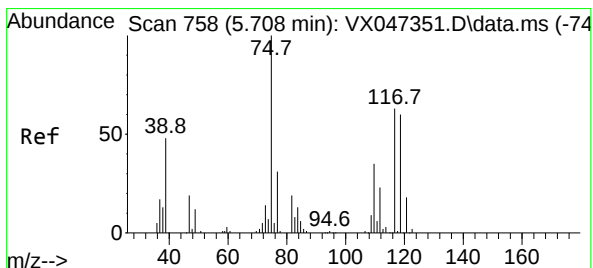
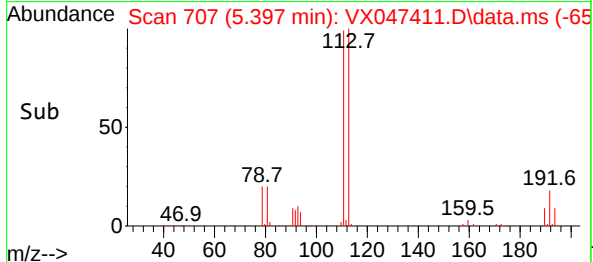
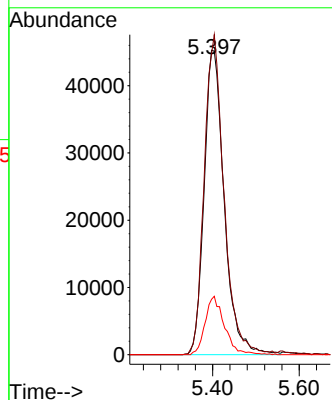
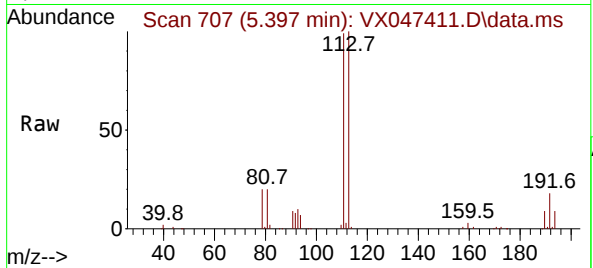




#35
Dibromofluoromethane
Concen: 52.297 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

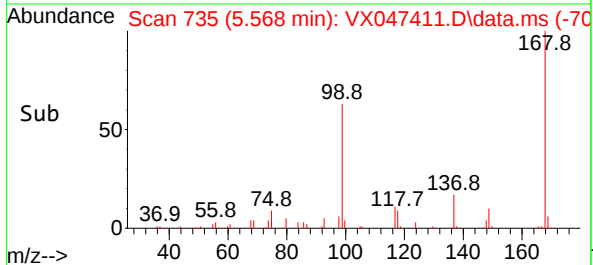
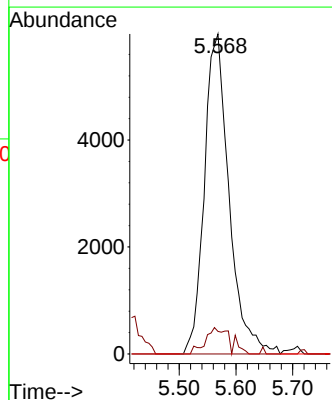
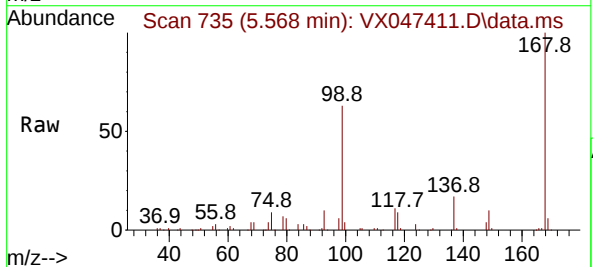
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-08122025DL

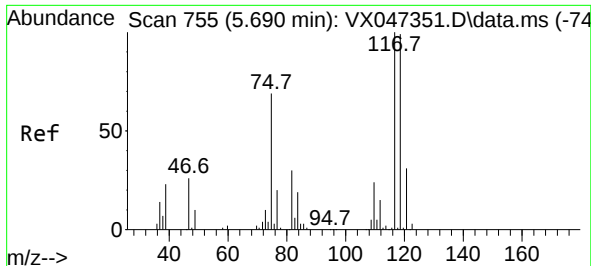
Tgt Ion:113 Resp: 146221
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.2
192 18.4 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.100 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.140 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

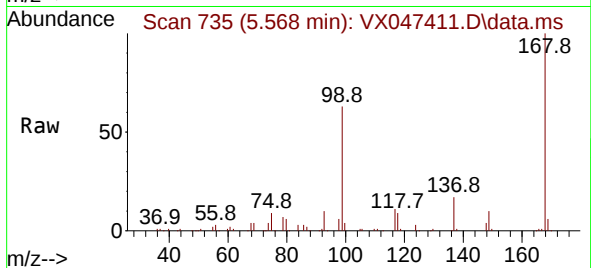
Tgt Ion: 75 Resp: 18095
Ion Ratio Lower Upper
75 100
110 7.0 17.4 52.2#
77 0.0 24.4 36.6#



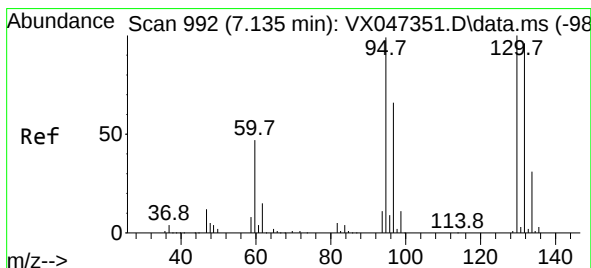
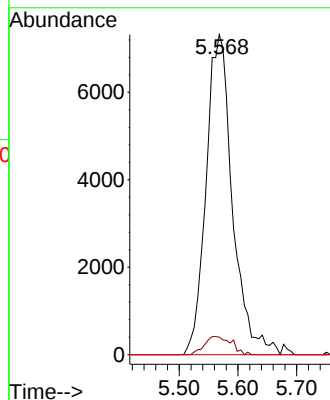
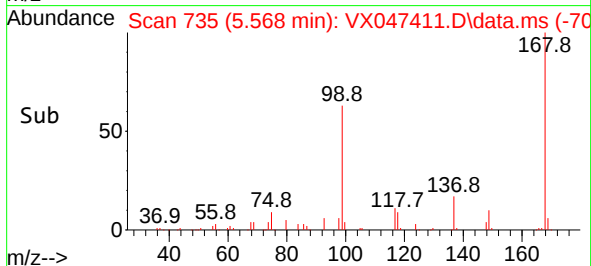


#38
Carbon Tetrachloride
Concen: 4.736 ug/l
RT: 5.568 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-08122025DL

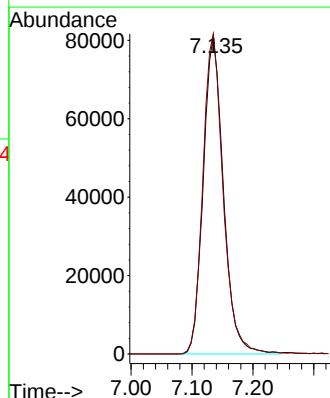
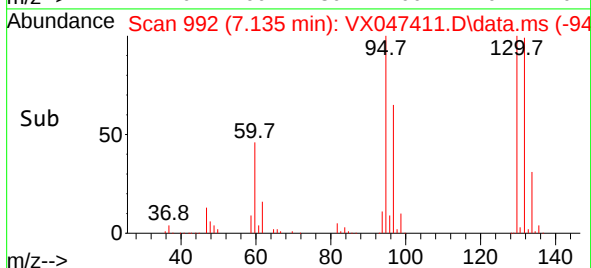
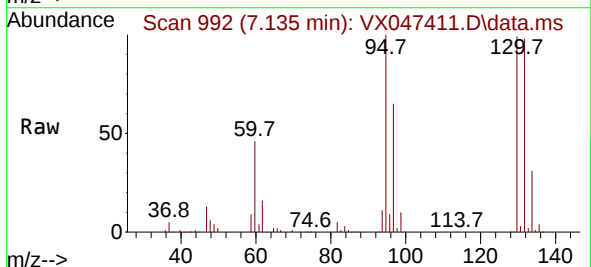


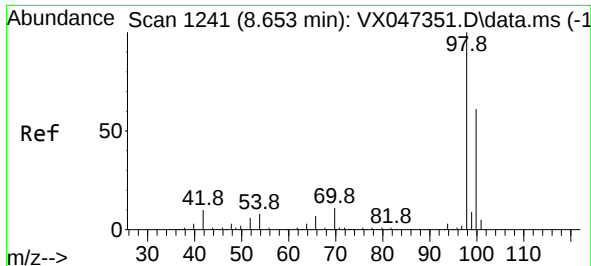
Tgt Ion:117 Resp: 22840
Ion Ratio Lower Upper
117 100
119 5.5 78.5 117.7#
121 0.0 24.7 37.1#



#44
Trichloroethene
Concen: 55.175 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

Tgt Ion:130 Resp: 186641
Ion Ratio Lower Upper
130 100
95 100.6 0.0 198.6

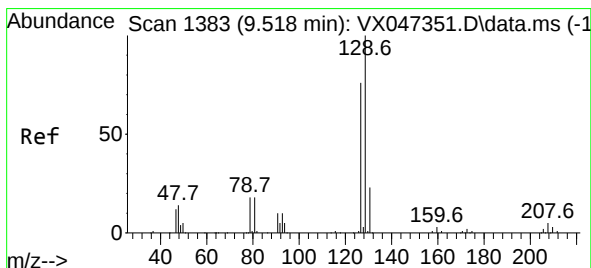
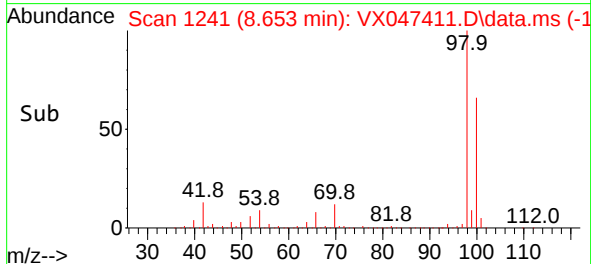
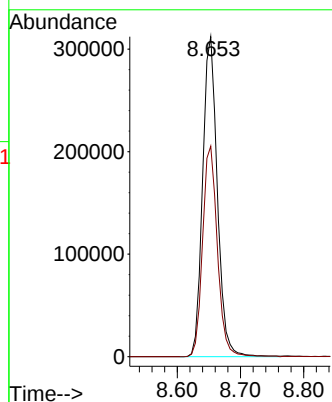
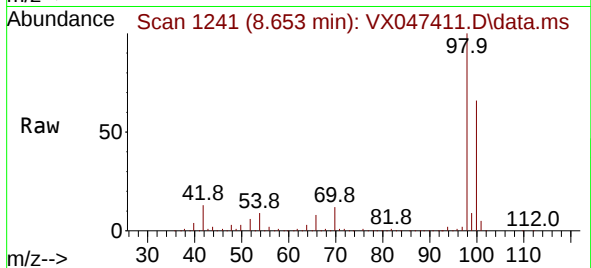




#50
Toluene-d8
Concen: 50.589 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

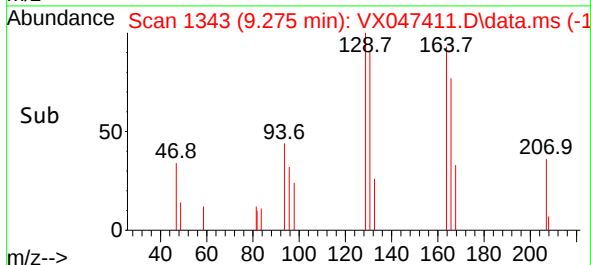
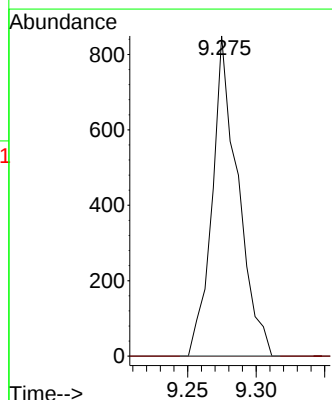
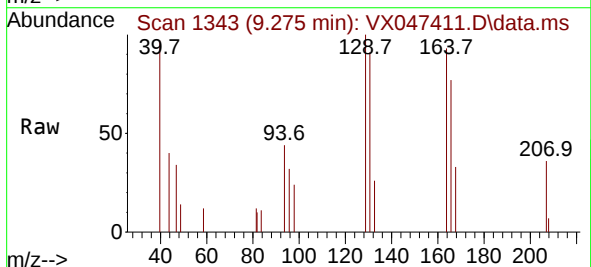
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-08122025DL

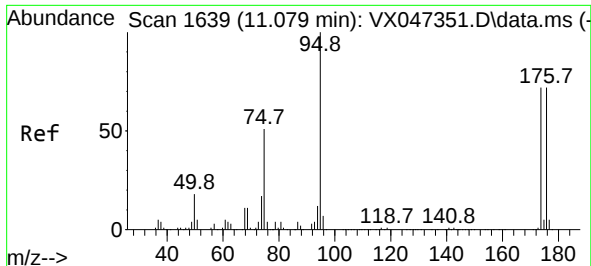
Tgt Ion: 98 Resp: 505562
Ion Ratio Lower Upper
98 100
100 66.1 53.9 80.9



#60
Dibromochloromethane
Concen: 0.302 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

Tgt Ion: 129 Resp: 1112
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.6#

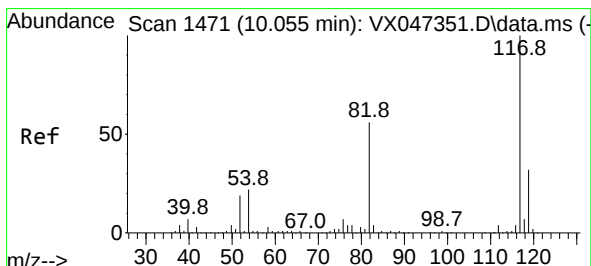
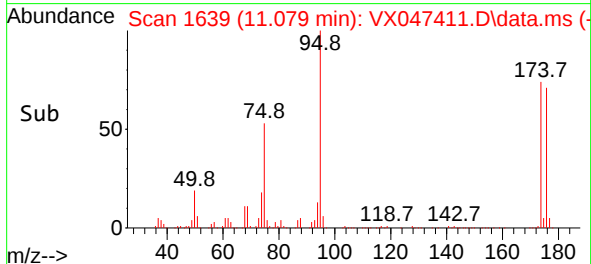
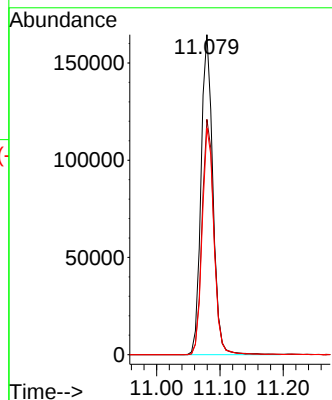
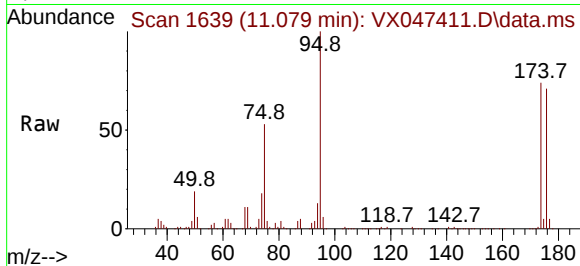




#62
4-Bromofluorobenzene
Concen: 58.032 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

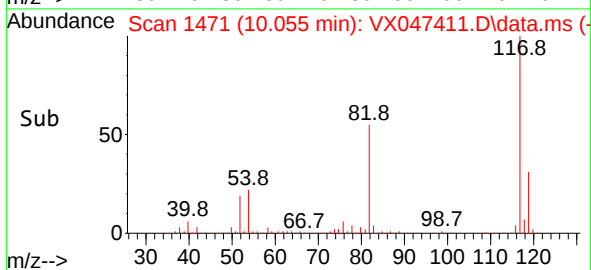
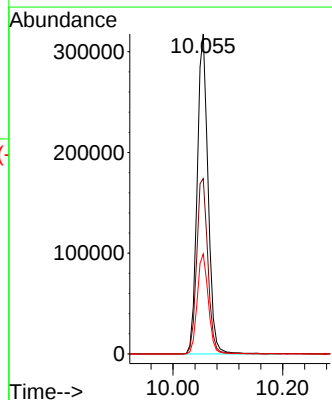
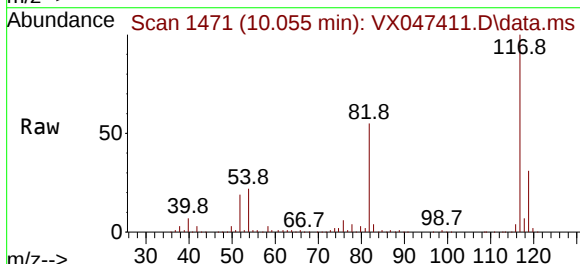
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-08122025DL

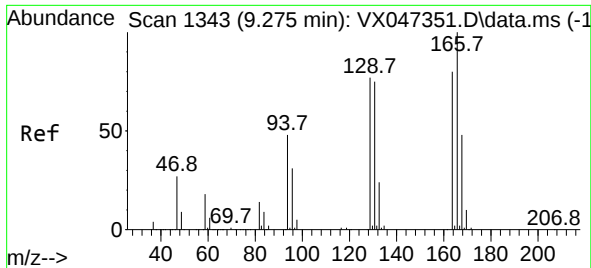
Tgt Ion: 95 Resp: 214011
Ion Ratio Lower Upper
95 100
174 74.2 0.0 148.0
176 70.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

Tgt Ion: 117 Resp: 440552
Ion Ratio Lower Upper
117 100
82 54.8 45.0 67.4
119 31.3 25.8 38.8

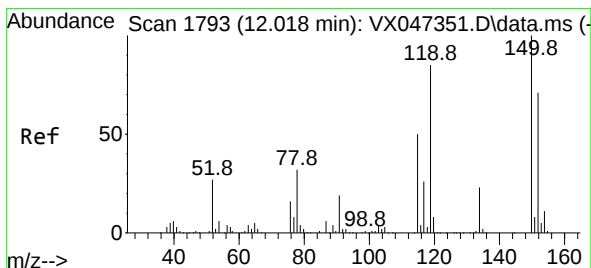
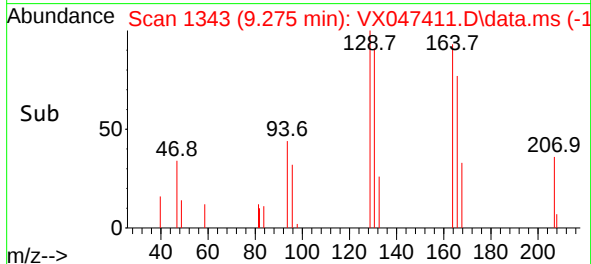
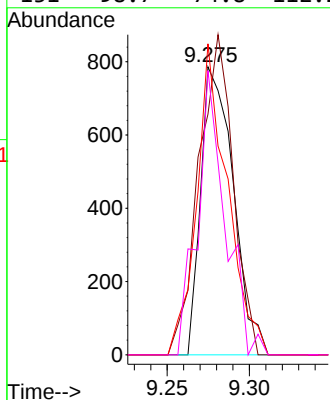
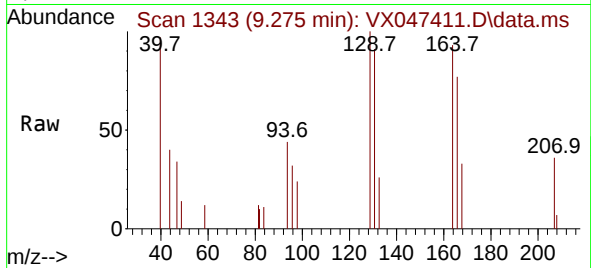




#64
Tetrachloroethene
Concen: 0.340 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

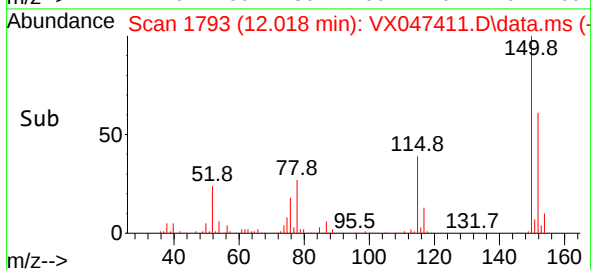
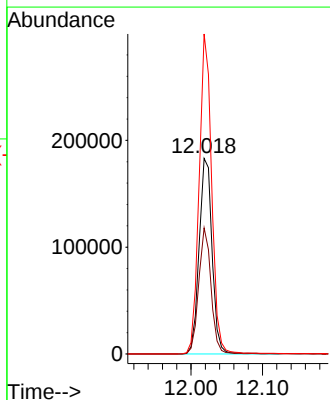
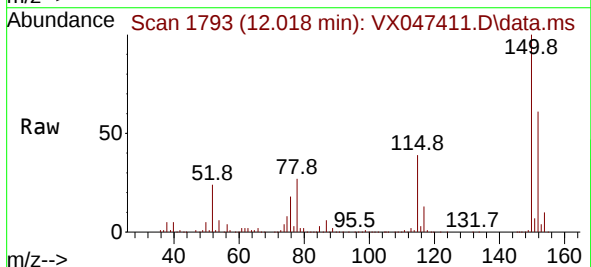
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-08122025DL

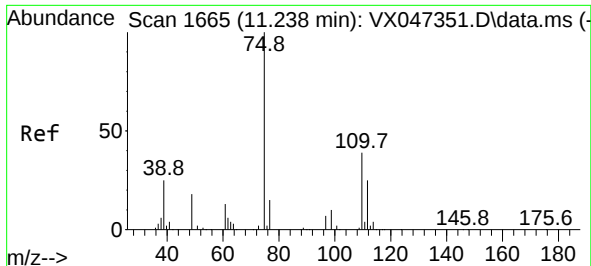
Tgt Ion:164	Resp:	1084
Ion	Ratio	Lower Upper
164	100	
166	83.6	100.3 150.5#
129	108.0	77.7 116.5
131	98.7	74.8 112.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

Tgt Ion:152	Resp:	231200
Ion	Ratio	Lower Upper
152	100	
115	61.2	44.6 133.8
150	157.5	0.0 349.8

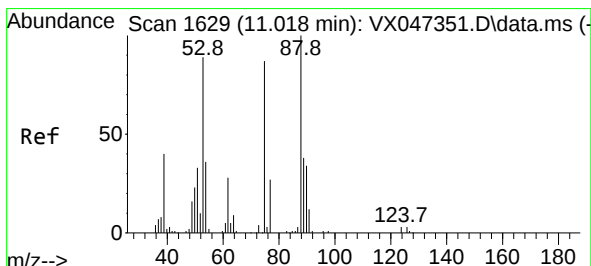
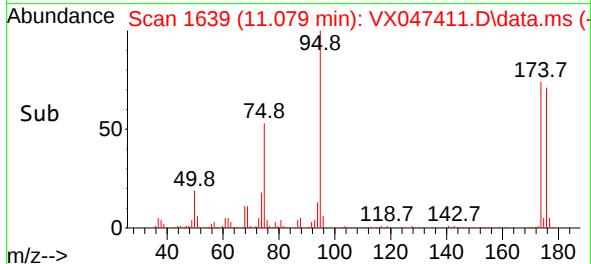
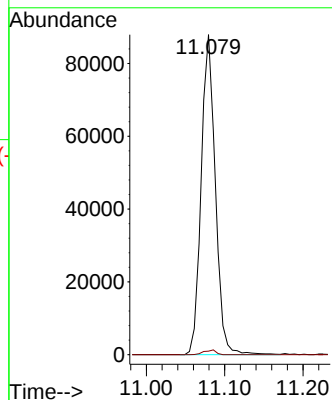
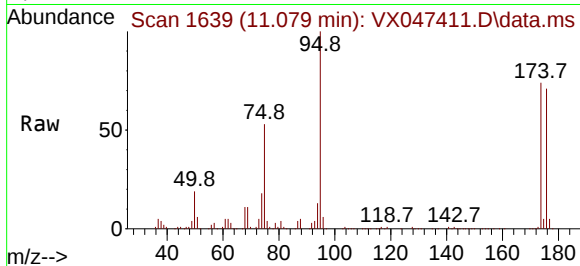




#76
1,2,3-Trichloropropane
Concen: 26.054 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-08122025DL

Tgt Ion: 75 Resp: 110483
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.304 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047411.D
Acq: 19 Aug 2025 14:50

Tgt Ion: 75 Resp: 110483
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#

