

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
 Data File : VX047462.D
 Acq On : 21 Aug 2025 12:22
 Operator : JC/MD
 Sample : Q2869-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-01-6.5-081325

Quant Time: Aug 22 03:43:23 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	206081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	418758	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	421107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	214194	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	172517	59.815	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 119.640%#	
35) Dibromofluoromethane	5.397	113	137805	50.705	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.420%	
50) Toluene-d8	8.653	98	473569	48.751	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.500%	
62) 4-Bromofluorobenzene	11.079	95	202612	56.522	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 113.040%	

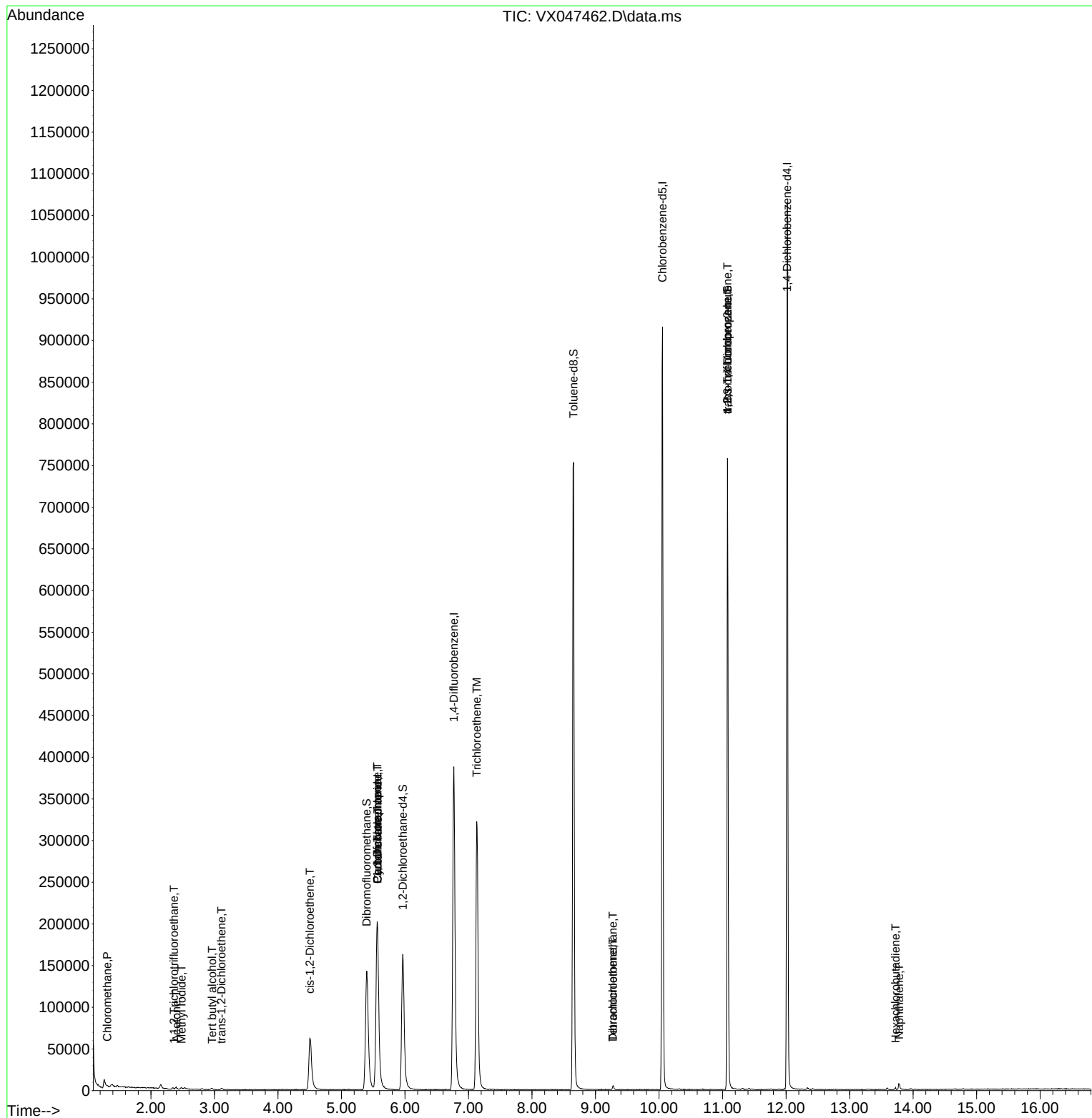
Target Compounds						Qvalue
3) Chloromethane	1.313	50	685	0.290	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.361	101	770	0.303	ug/l	89
10) Methyl Iodide	2.483	142	3374	0.774	ug/l #	92
11) Tert butyl alcohol	2.965	59	318	1.267	ug/l #	72
16) Acetone	2.398	43	4044	3.730	ug/l #	79
21) trans-1,2-Dichloroethene	3.111	96	557	0.202	ug/l	84
27) cis-1,2-Dichloroethene	4.501	96	45426	14.162	ug/l	90
31) Cyclohexane	5.568	56	4598	0.991	ug/l #	29
36) 1,1-Dichloropropene	5.562	75	16808	3.918	ug/l #	51
38) Carbon Tetrachloride	5.568	117	21215	4.525	ug/l #	15
44) Trichloroethene	7.129	130	136522	41.520	ug/l	97
60) Dibromochloromethane	9.275	129	860	0.240	ug/l #	11
64) Tetrachloroethene	9.275	164	938	0.308	ug/l #	82
76) 1,2,3-Trichloropropane	11.079	75	106802	27.186	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	106802	107.449	ug/l #	7
94) Hexachlorobutadiene	13.725	225	407	0.230	ug/l	82
95) Naphthalene	13.780	128	6519	0.458	ug/l #	93

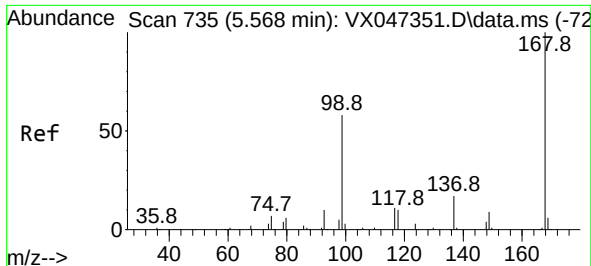
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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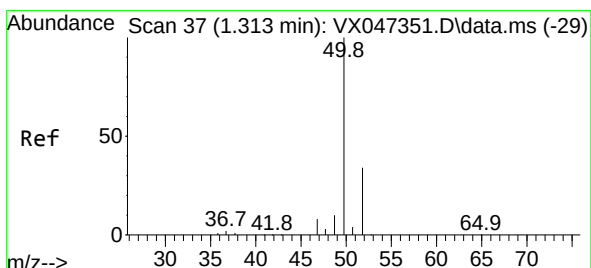
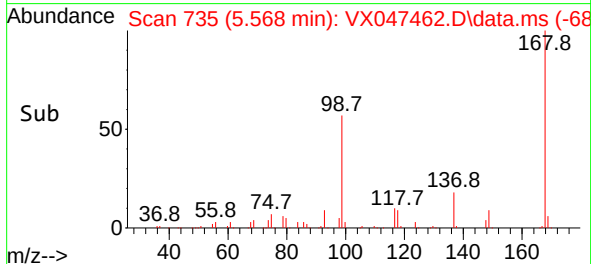
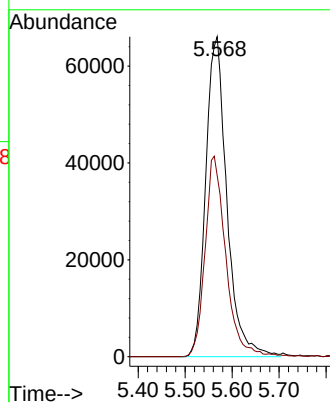
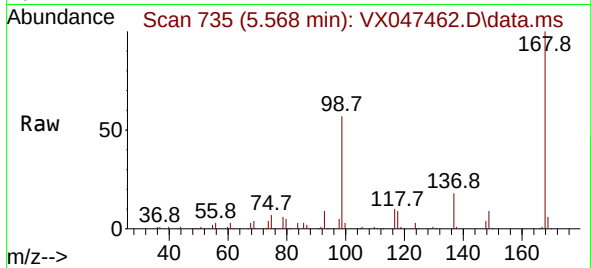




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

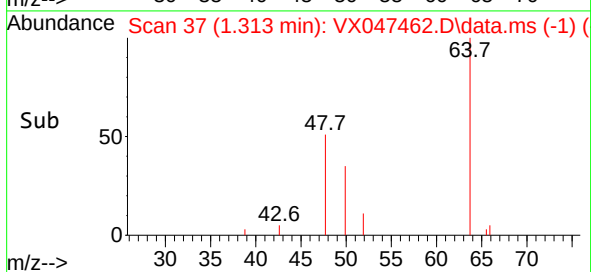
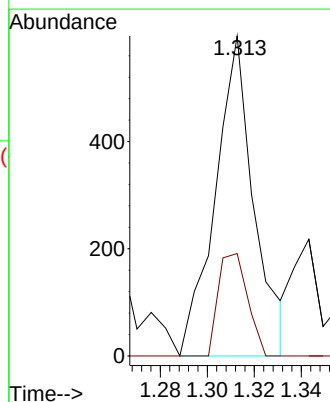
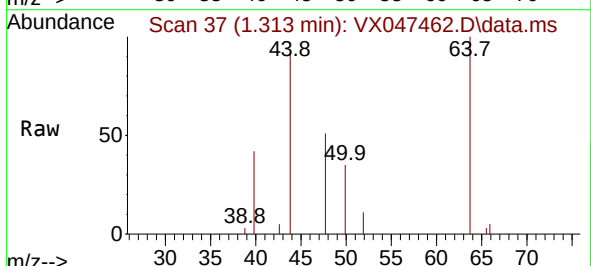
Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-081325

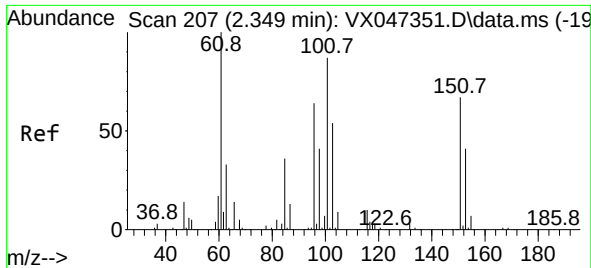
Tgt Ion:168 Resp: 206081
Ion Ratio Lower Upper
168 100
99 56.6 47.9 71.9



#3
Chloromethane
Concen: 0.290 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Tgt Ion: 50 Resp: 685
Ion Ratio Lower Upper
50 100
52 32.0 27.0 40.4

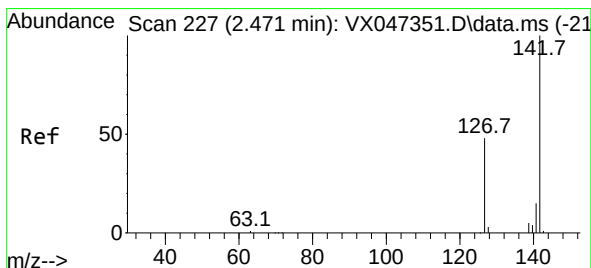
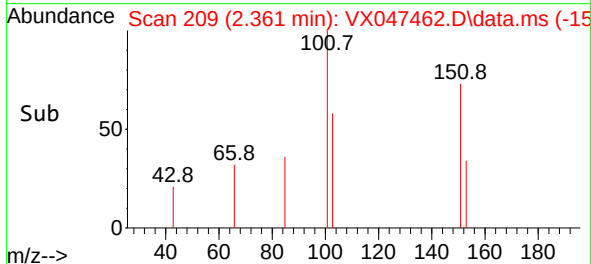
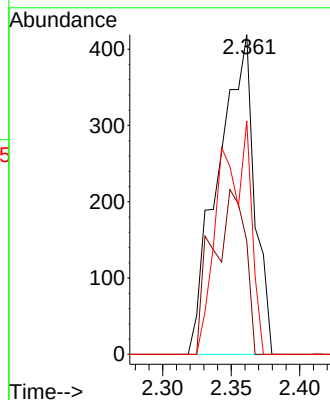
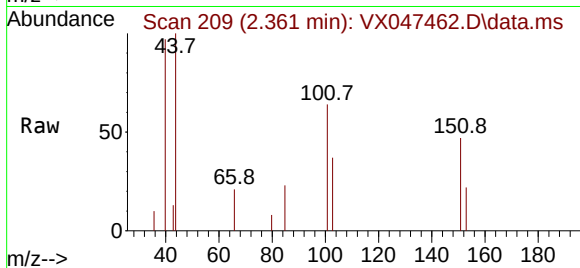




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.303 ug/l
RT: 2.361 min Scan# 209
Delta R.T. 0.012 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

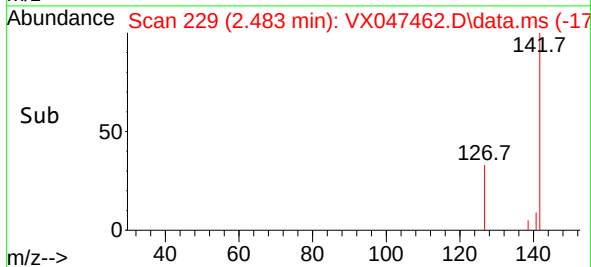
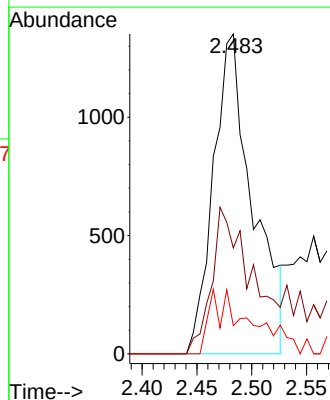
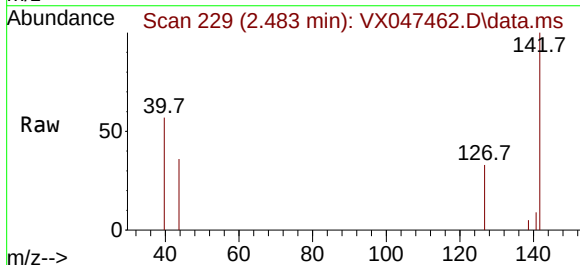
Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-081325

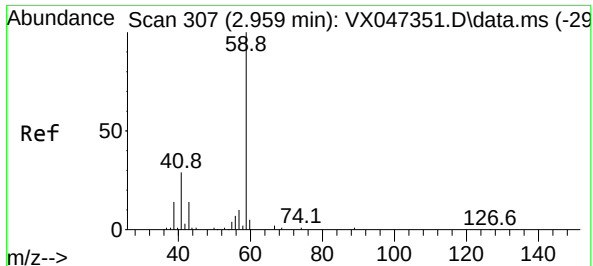
Tgt Ion:101 Resp: 770
Ion Ratio Lower Upper
101 100
85 46.4 34.3 51.5
151 62.6 59.2 88.8



#10
Methyl Iodide
Concen: 0.774 ug/l
RT: 2.483 min Scan# 229
Delta R.T. 0.012 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Tgt Ion:142 Resp: 3374
Ion Ratio Lower Upper
142 100
127 47.4 36.1 54.1
141 5.6 11.1 16.7#





#11

Tert butyl alcohol

Concen: 1.267 ug/l

RT: 2.965 min Scan# 307

Delta R.T. 0.006 min

Lab File: VX047462.D

Acq: 21 Aug 2025 12:22

Instrument :

MSVOA_X

ClientSampleId :

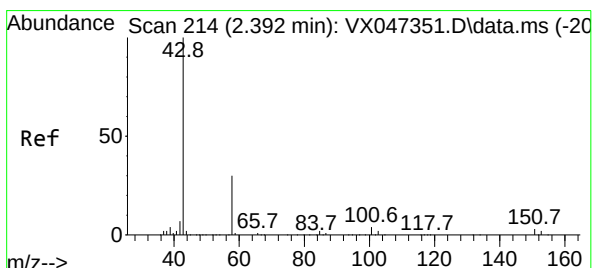
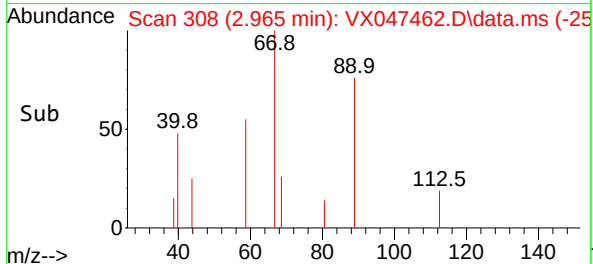
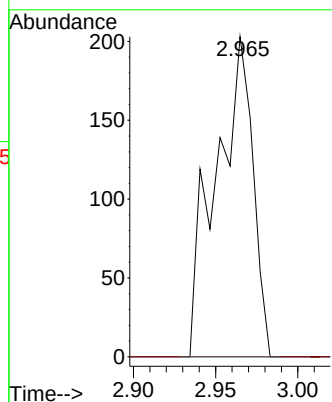
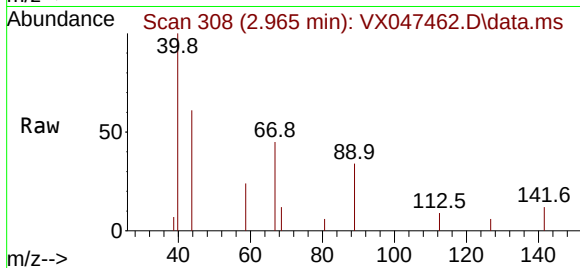
MW-01-6.5-081325

Tgt Ion: 59 Resp: 318

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 3.730 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.006 min

Lab File: VX047462.D

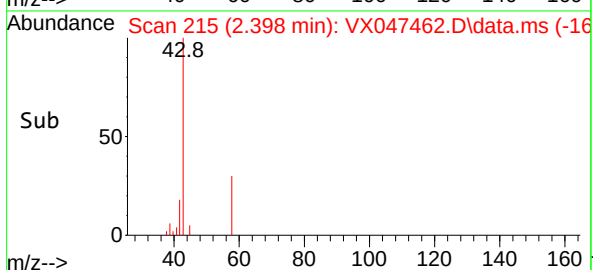
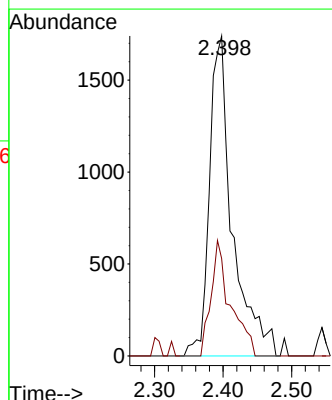
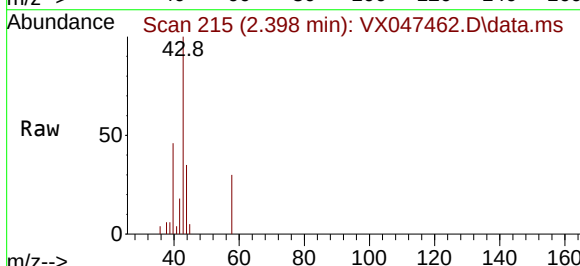
Acq: 21 Aug 2025 12:22

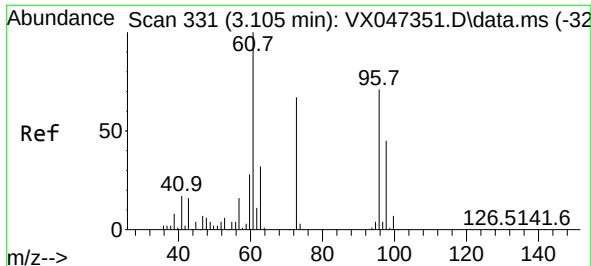
Tgt Ion: 43 Resp: 4044

Ion Ratio Lower Upper

43 100

58 42.4 24.8 37.2#

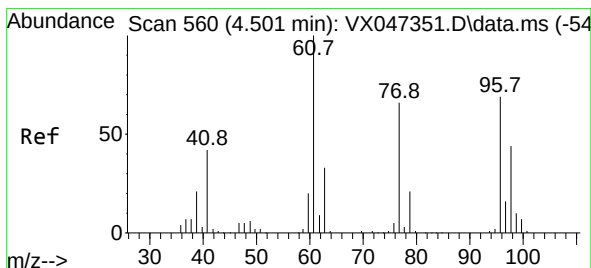
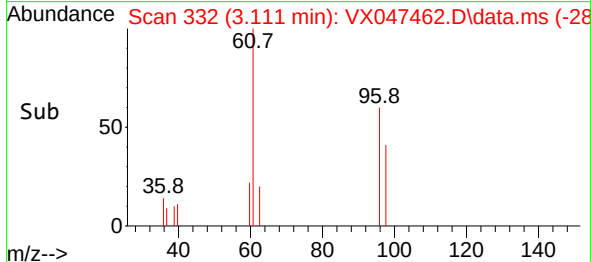
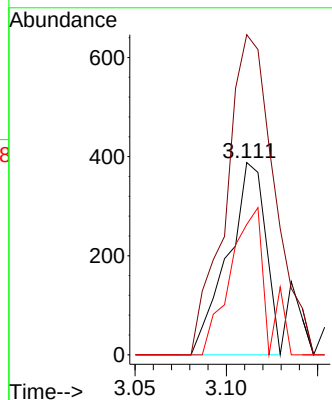
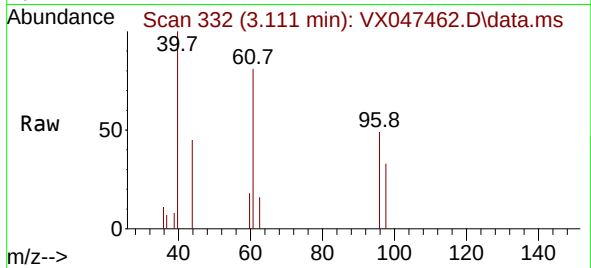




#21
trans-1,2-Dichloroethene
Concen: 0.202 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

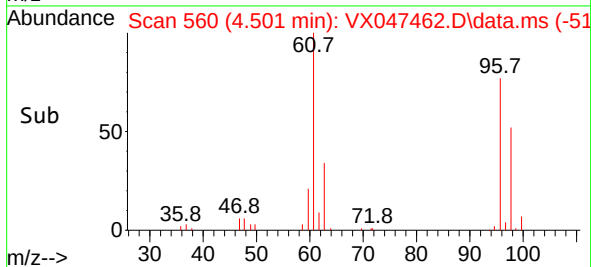
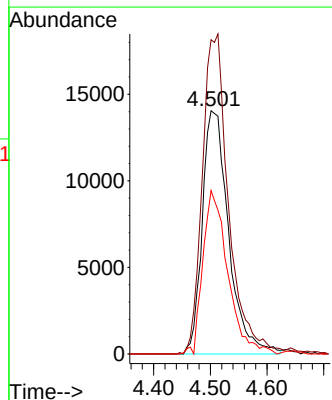
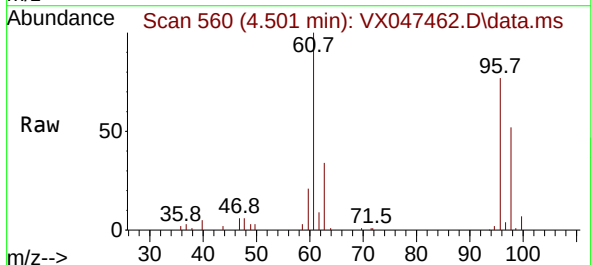
Instrument :
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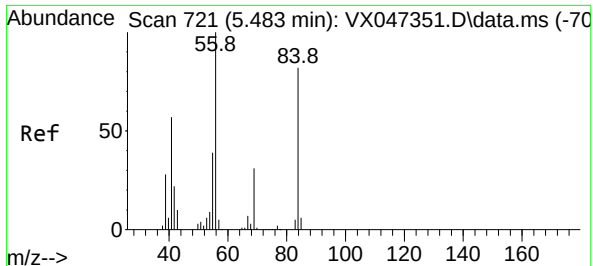
Tgt Ion: 96 Resp: 557
Ion Ratio Lower Upper
96 100
61 166.5 112.6 169.0
98 67.8 50.9 76.3



#27
cis-1,2-Dichloroethene
Concen: 14.162 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Tgt Ion: 96 Resp: 45426
Ion Ratio Lower Upper
96 100
61 130.6 0.0 296.6
98 63.5 0.0 130.4

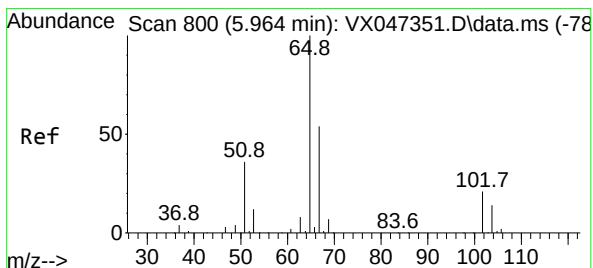
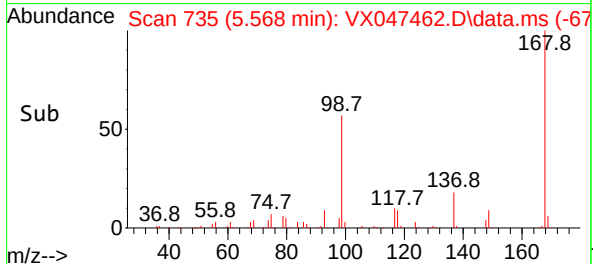
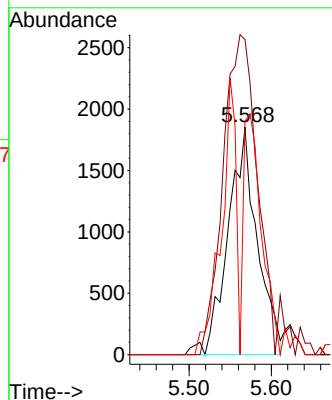
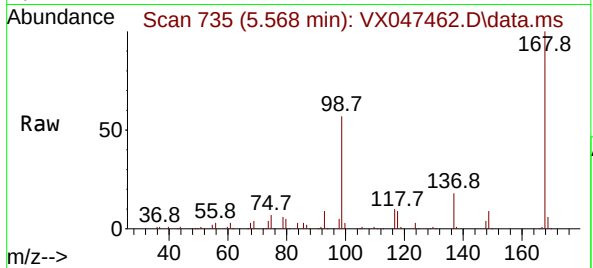




#31
Cyclohexane
Concen: 0.991 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

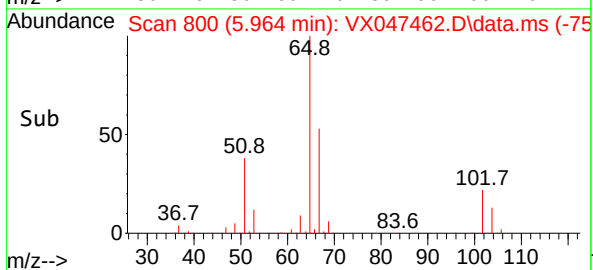
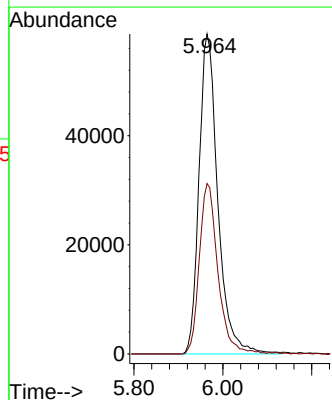
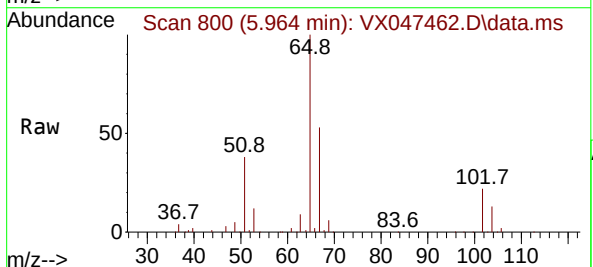
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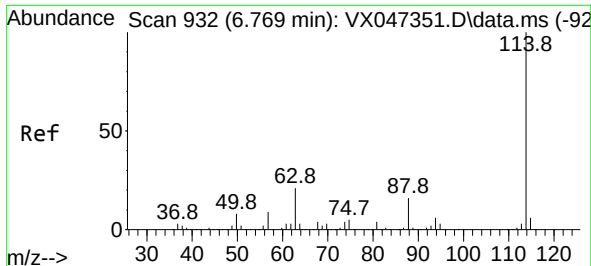
Tgt Ion: 56 Resp: 4598
Ion Ratio Lower Upper
56 100
69 138.4 24.3 36.5#
84 102.6 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 59.815 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Tgt Ion: 65 Resp: 172517
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.0

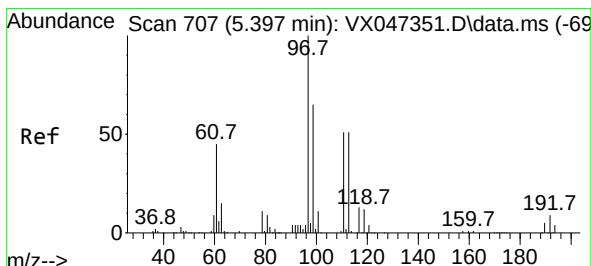
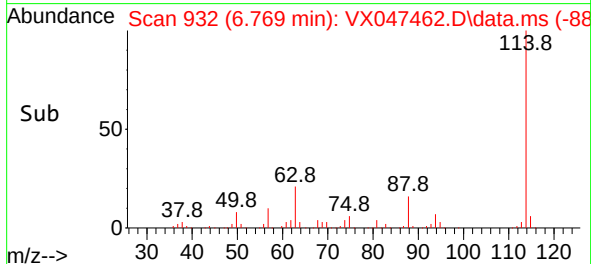
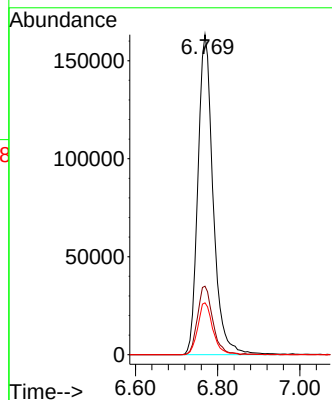
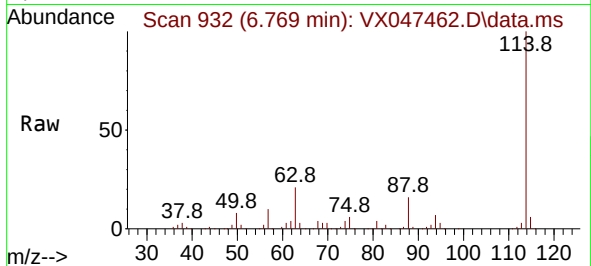




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

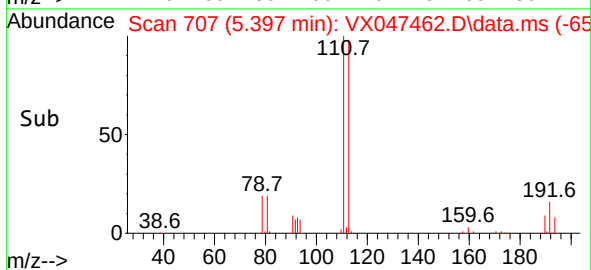
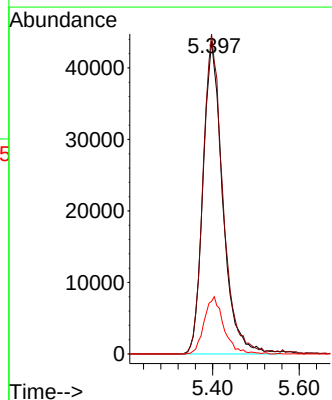
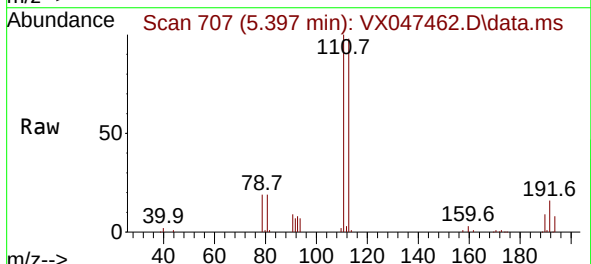
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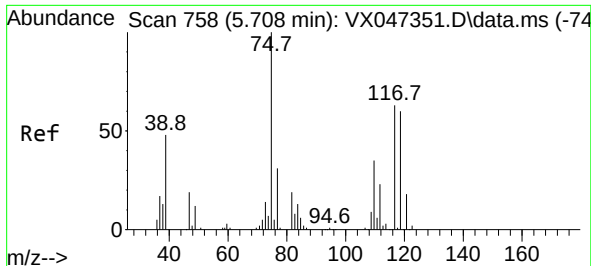
Tgt Ion:114 Resp: 418758
Ion Ratio Lower Upper
114 100
63 21.4 0.0 42.4
88 16.2 0.0 33.0



#35
Dibromofluoromethane
Concen: 50.705 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Tgt Ion:113 Resp: 137805
Ion Ratio Lower Upper
113 100
111 102.4 81.4 122.2
192 18.0 14.1 21.1

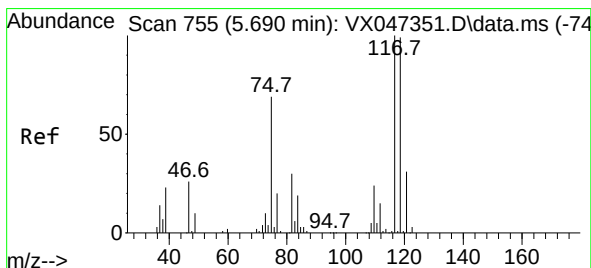
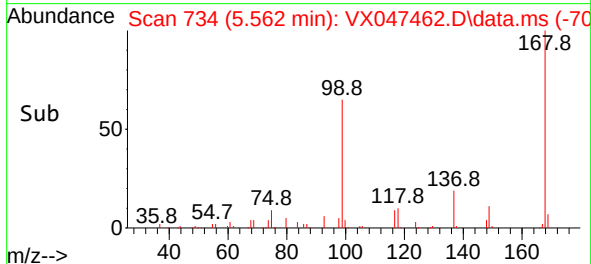
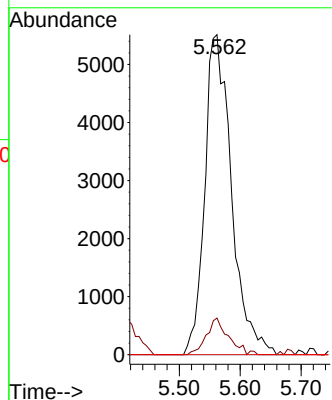
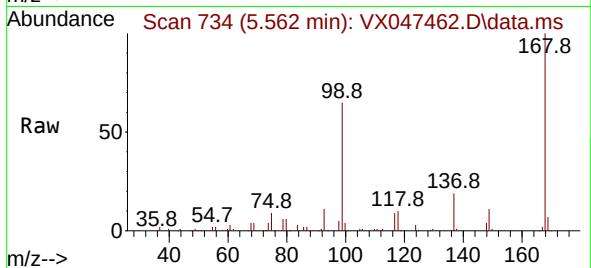




#36
1,1-Dichloropropene
Concen: 3.918 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

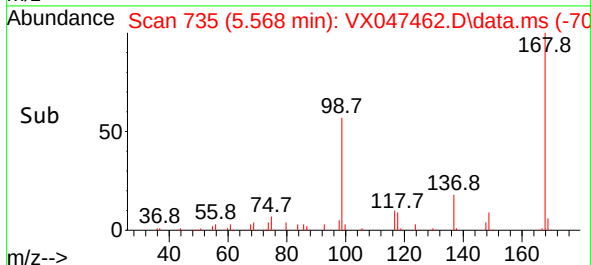
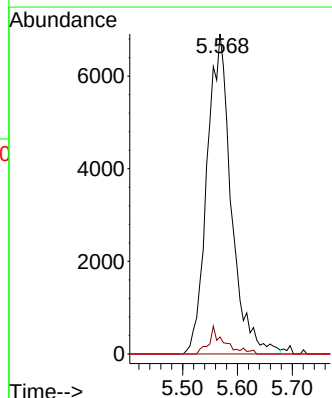
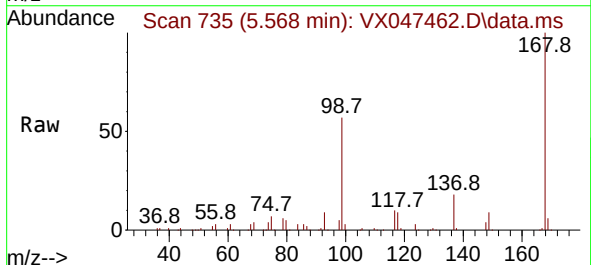
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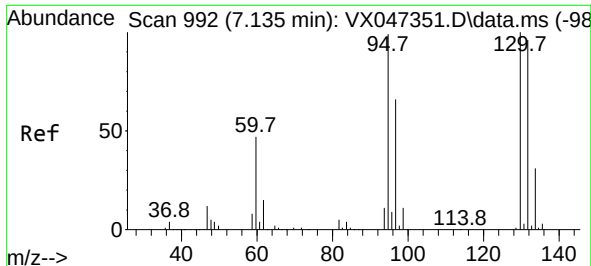
Tgt Ion: 75 Resp: 16808
Ion Ratio Lower Upper
75 100
110 9.4 17.4 52.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.525 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Tgt Ion: 117 Resp: 21215
Ion Ratio Lower Upper
117 100
119 5.3 78.5 117.7#
121 0.0 24.7 37.1#

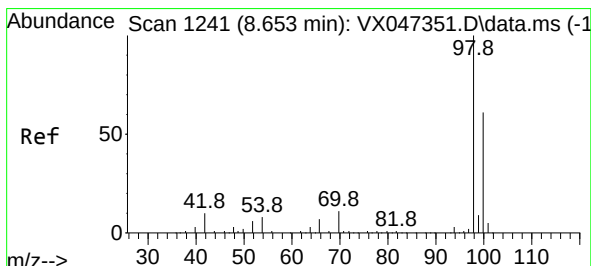
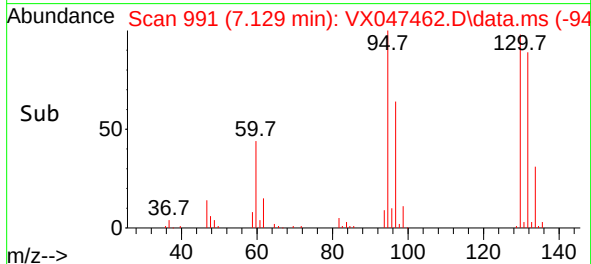
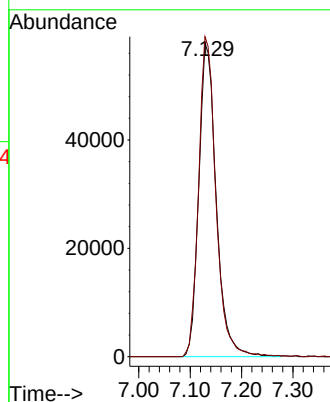
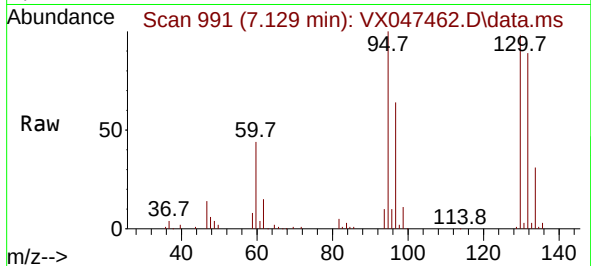




#44
Trichloroethene
Concen: 41.520 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

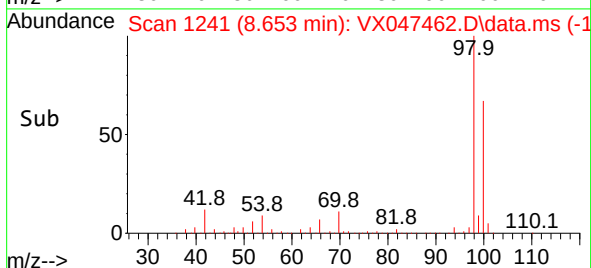
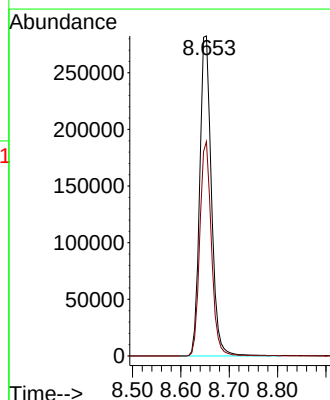
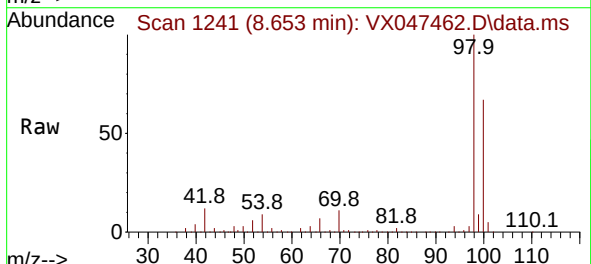
Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-081325

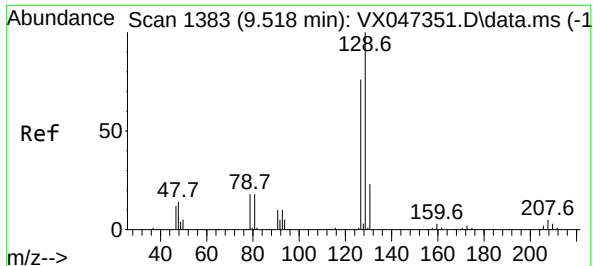
Tgt Ion:130 Resp: 136522
Ion Ratio Lower Upper
130 100
95 102.1 0.0 198.6



#50
Toluene-d8
Concen: 48.751 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Tgt Ion: 98 Resp: 473569
Ion Ratio Lower Upper
98 100
100 66.5 53.9 80.9

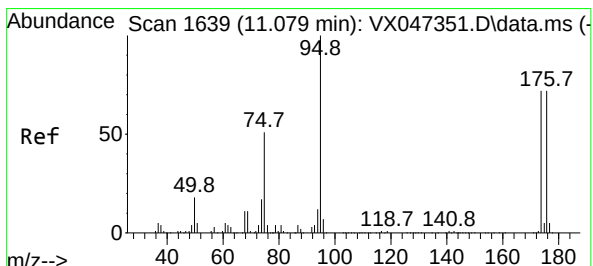
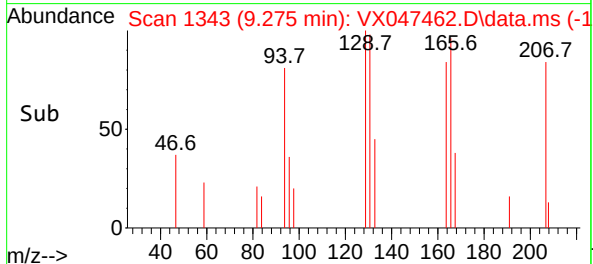
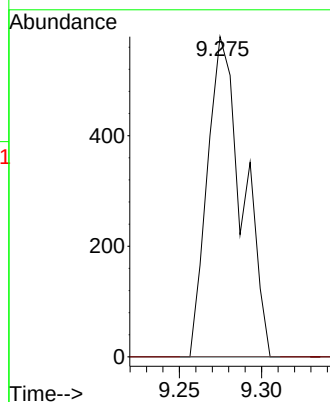
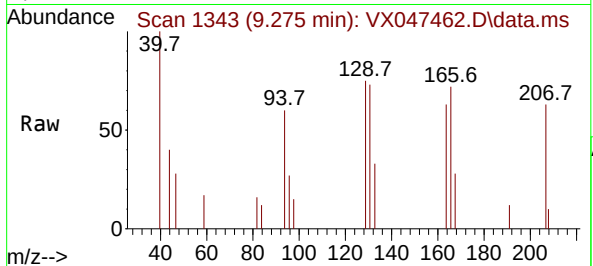




#60
Dibromochloromethane
Concen: 0.240 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

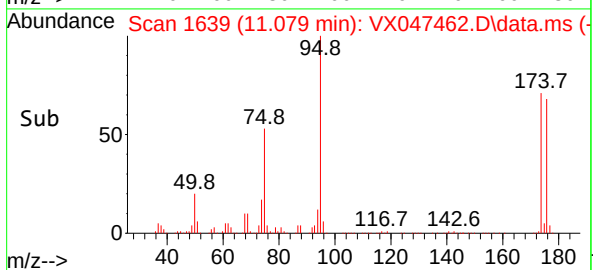
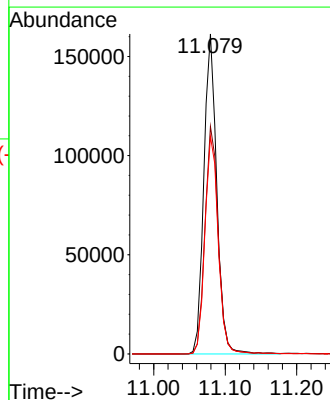
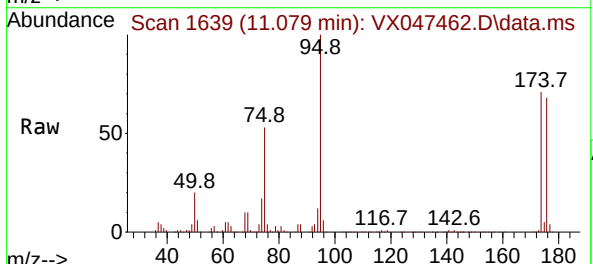
Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-081325

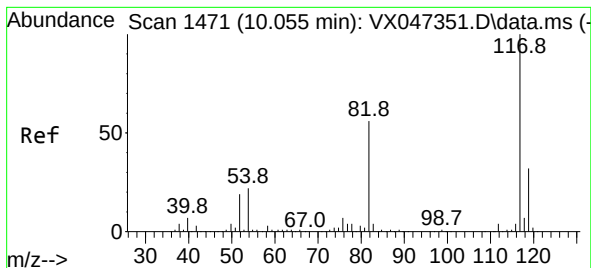
Tgt Ion:129 Resp: 860
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.6#



#62
4-Bromofluorobenzene
Concen: 56.522 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Tgt Ion: 95 Resp: 202612
Ion Ratio Lower Upper
95 100
174 73.5 0.0 148.0
176 70.5 0.0 145.4

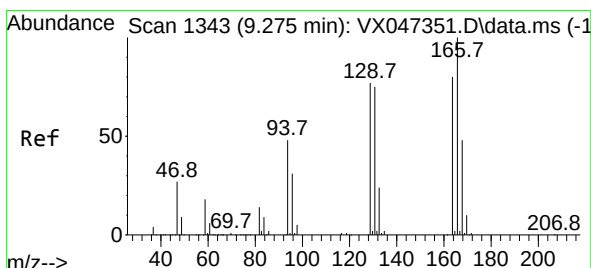
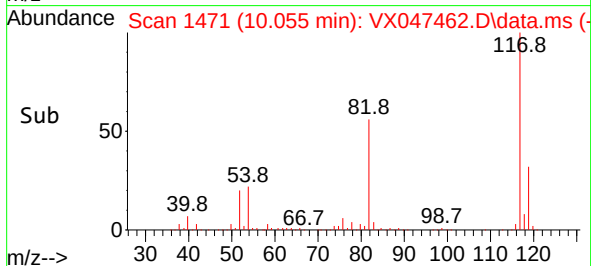
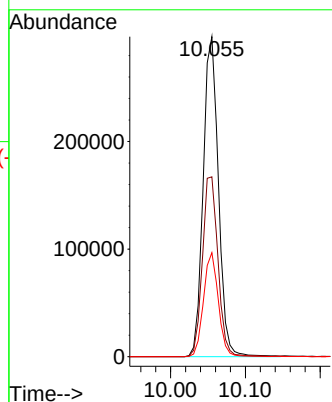
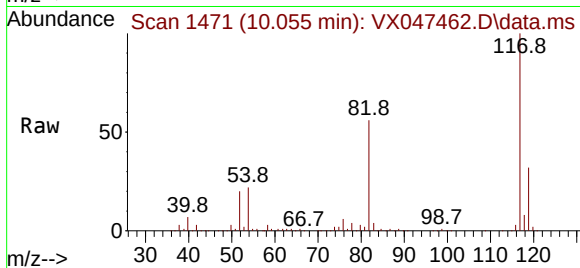




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

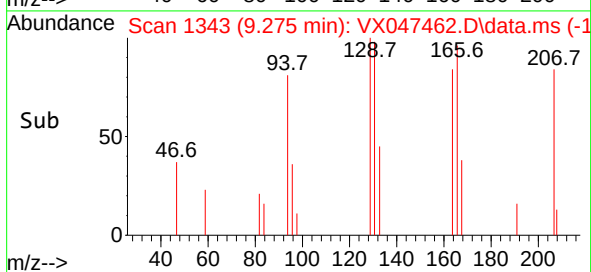
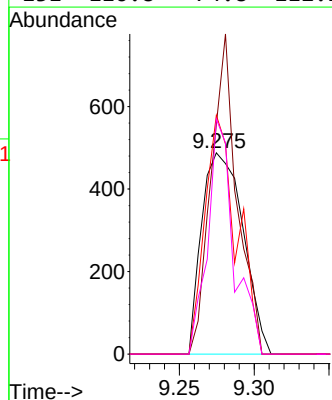
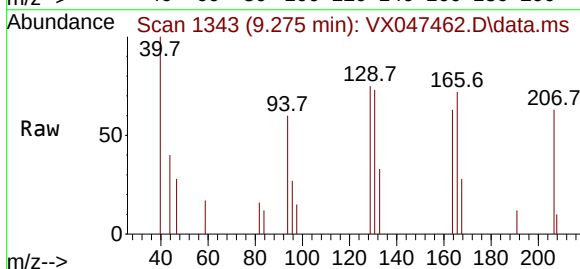
Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-081325

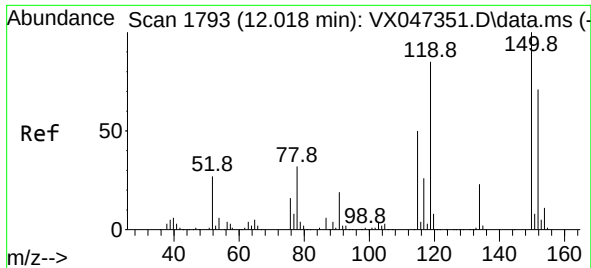
Tgt Ion:117 Resp: 421107
Ion Ratio Lower Upper
117 100
82 56.2 45.0 67.4
119 32.5 25.8 38.8



#64
Tetrachloroethene
Concen: 0.308 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Tgt Ion:164 Resp: 938
Ion Ratio Lower Upper
164 100
166 113.9 100.3 150.5
129 118.6 77.7 116.5#
131 116.8 74.8 112.2#

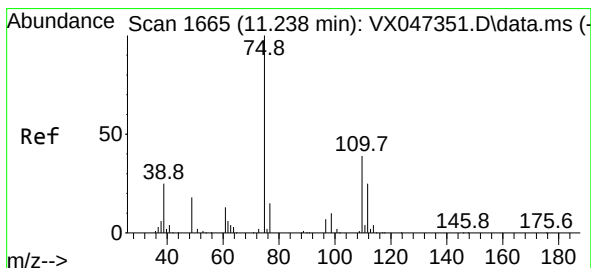
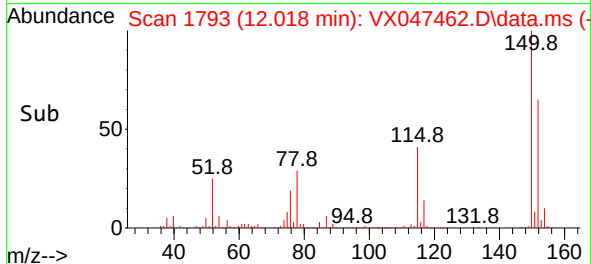
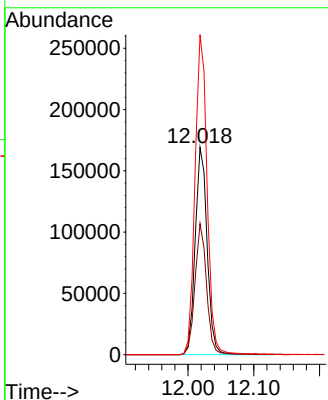
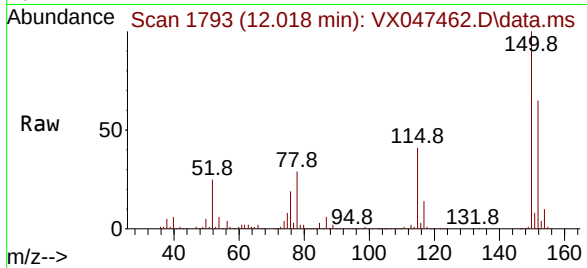




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

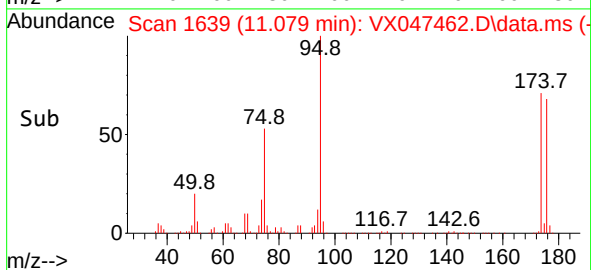
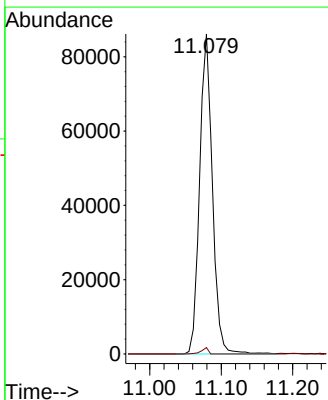
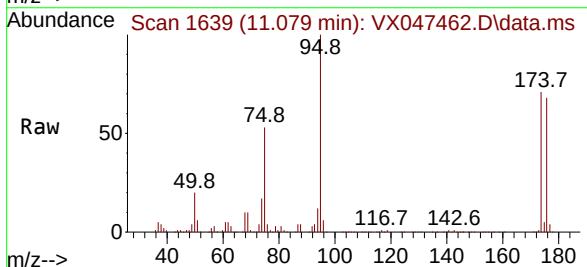
Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-081325

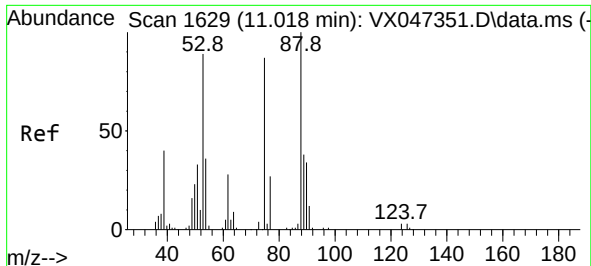
Tgt Ion:152 Resp: 214194
Ion Ratio Lower Upper
152 100
115 61.5 44.6 133.8
150 156.5 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 27.186 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Tgt Ion: 75 Resp: 106802
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#

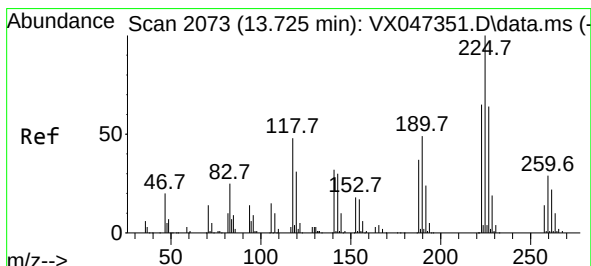
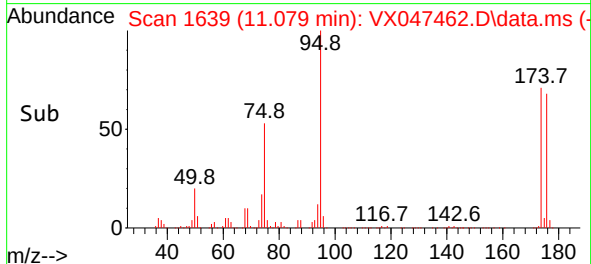
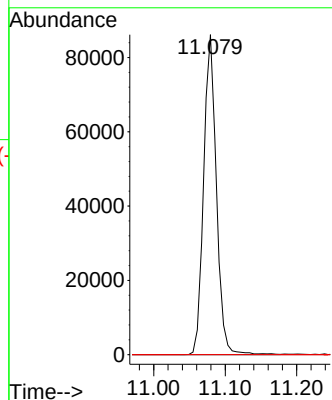
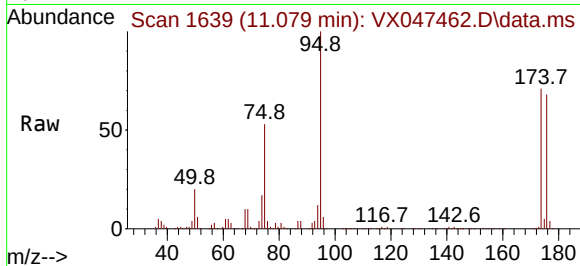




#81
trans-1,4-Dichloro-2-butene
Concen: 107.449 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

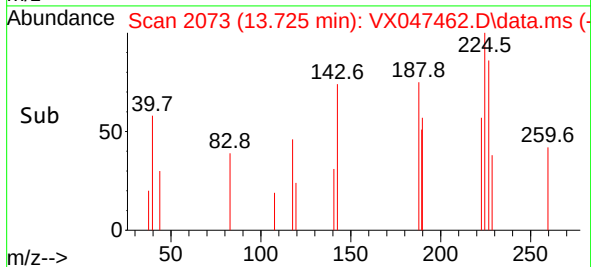
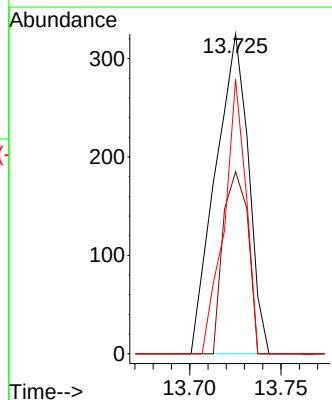
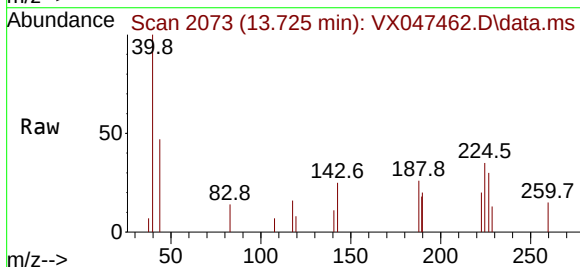
Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-081325

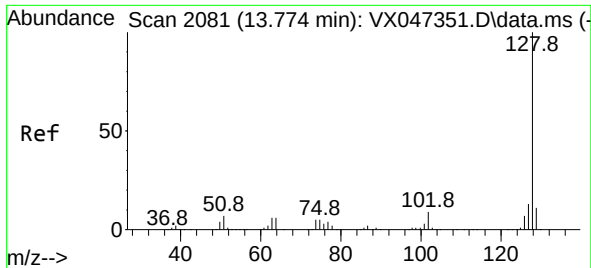
Tgt Ion: 75 Resp: 106802
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#



#94
Hexachlorobutadiene
Concen: 0.230 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

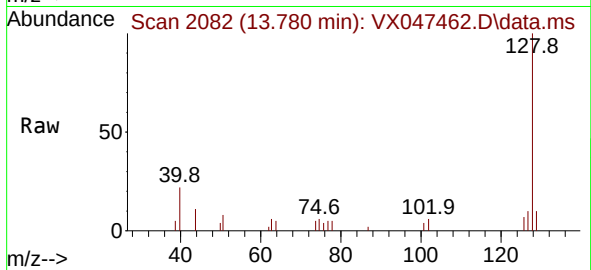
Tgt Ion: 225 Resp: 407
Ion Ratio Lower Upper
225 100
223 43.2 32.2 96.6
227 57.0 31.6 95.0





#95
Naphthalene
Concen: 0.458 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-081325



Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.3	10.1	15.1#
129	10.0	8.7	13.1

