

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082625\
 Data File : VX047524.D
 Acq On : 26 Aug 2025 10:42
 Operator : JC/MD
 Sample : VX0826WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 27 01:31:51 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

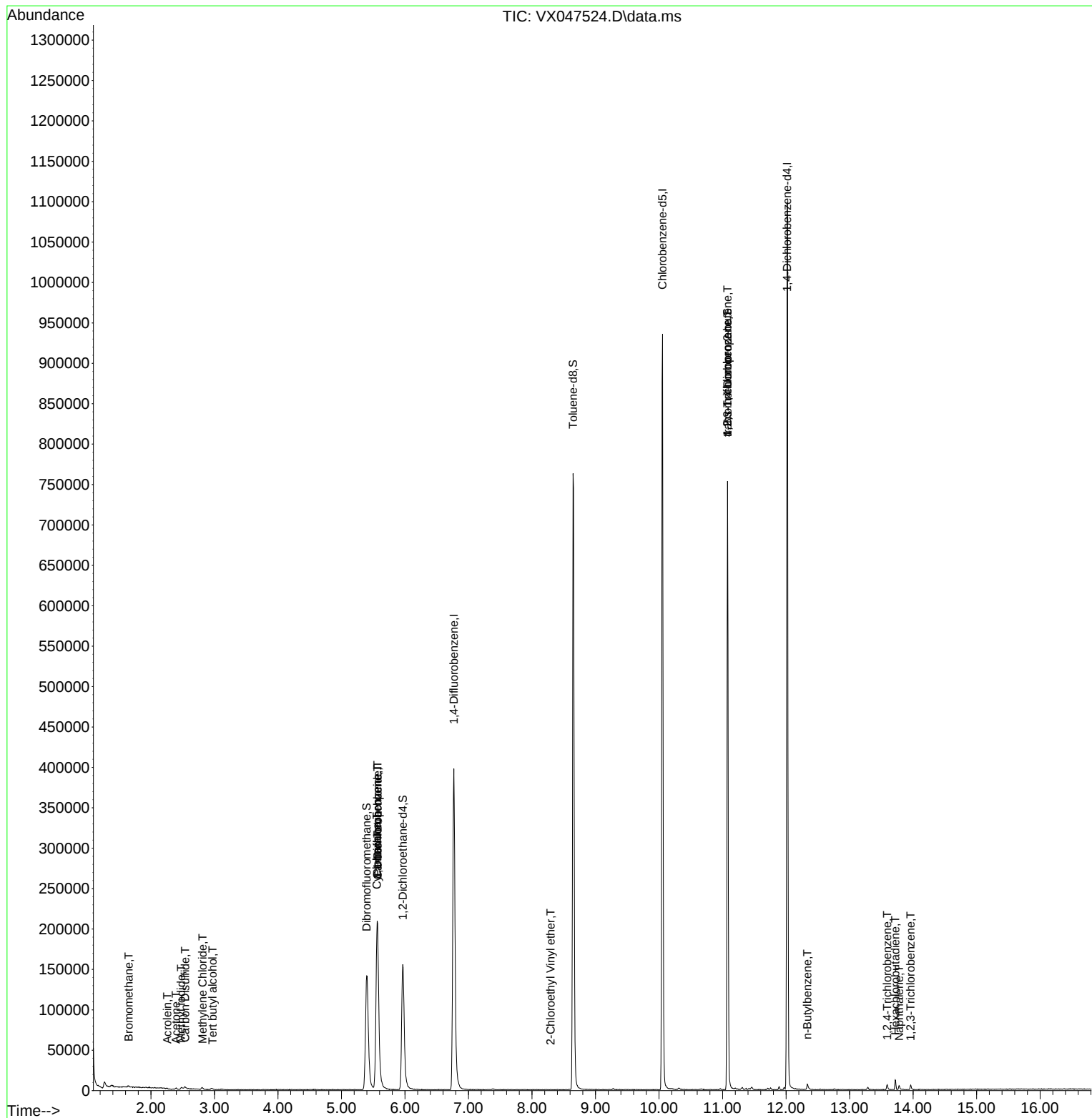
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

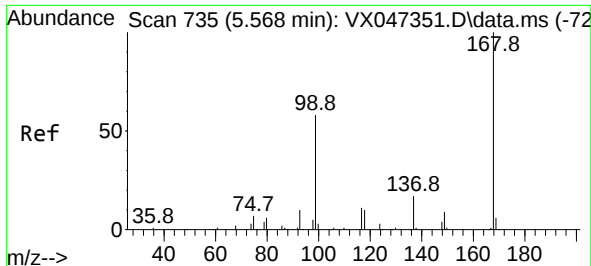
Internal Standards						
1) Pentafluorobenzene	5.562	168	209550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	420882	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	424401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	216460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	167759	57.203	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.400%	
35) Dibromofluoromethane	5.397	113	137607	50.377	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.760%	
50) Toluene-d8	8.647	98	474401	48.590	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.180%	
62) 4-Bromofluorobenzene	11.079	95	199024	55.241	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.480%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.648	94	1018	0.836	ug/l	86
10) Methyl Iodide	2.477	142	4068	0.917	ug/l	96
11) Tert butyl alcohol	2.971	59	414	1.623	ug/l #	72
13) Acrolein	2.258	56	173	0.321	ug/l #	52
16) Acetone	2.392	43	1908	1.731	ug/l #	69
17) Carbon Disulfide	2.538	76	3406	0.428	ug/l #	85
20) Methylene Chloride	2.813	84	812	0.278	ug/l #	81
31) Cyclohexane	5.556	56	5067	1.074	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	17122	3.971	ug/l #	47
38) Carbon Tetrachloride	5.568	117	22646	4.806	ug/l #	15
58) 2-Chloroethyl Vinyl ether	8.293	63	25	8.367	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	104433	26.305	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	104433	104.221	ug/l #	7
89) n-Butylbenzene	12.335	91	3281	0.242	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	1871	0.372	ug/l	91
94) Hexachlorobutadiene	13.719	225	1705	0.953	ug/l	97
95) Naphthalene	13.780	128	3531	0.246	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.963	180	1542	0.325	ug/l	97

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

Instrument :
MSVOA_X
ClientSampleId :

Instrument :
MSVOA_X
ClientSampleId :

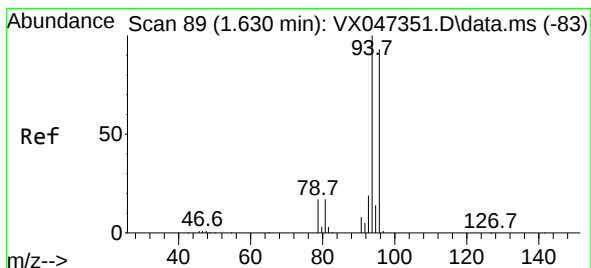
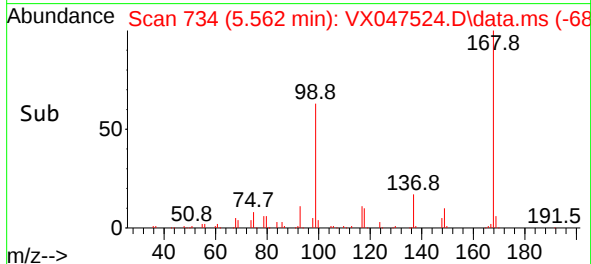
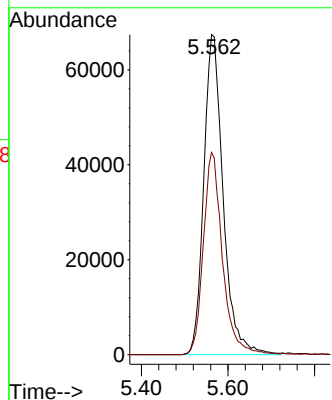
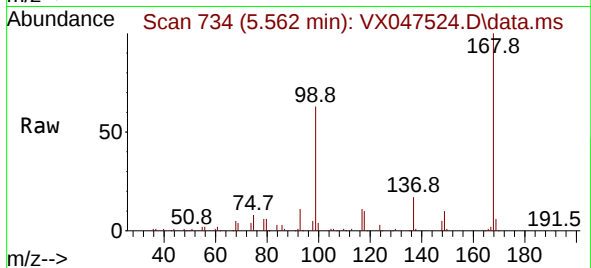




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047524.D
Acq: 26 Aug 2025 10:42

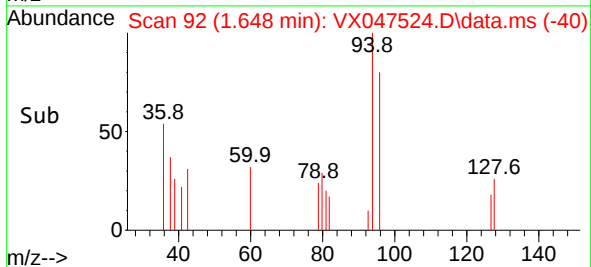
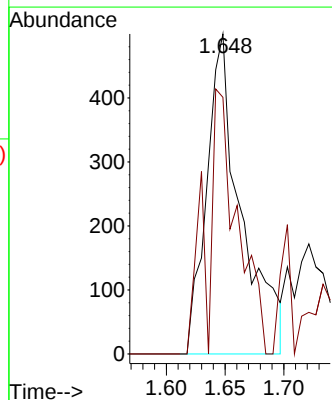
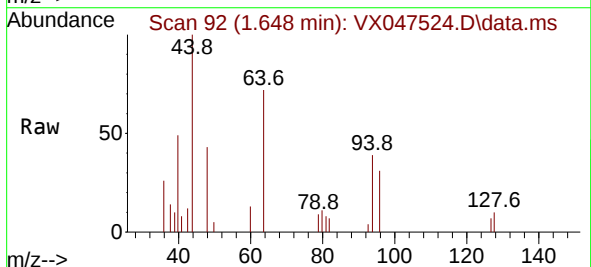
Instrument :
MSVOA_X
ClientSampleId :

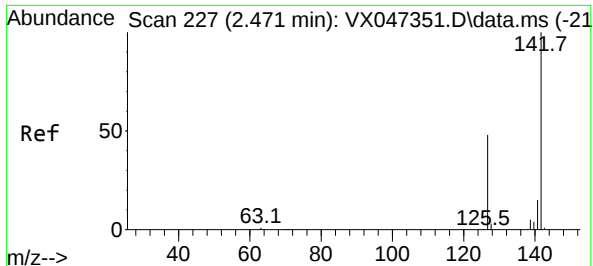
Tgt Ion:168 Resp: 209550
Ion Ratio Lower Upper
168 100
99 63.2 47.9 71.9



#5
Bromomethane
Concen: 0.836 ug/l
RT: 1.648 min Scan# 92
Delta R.T. 0.018 min
Lab File: VX047524.D
Acq: 26 Aug 2025 10:42

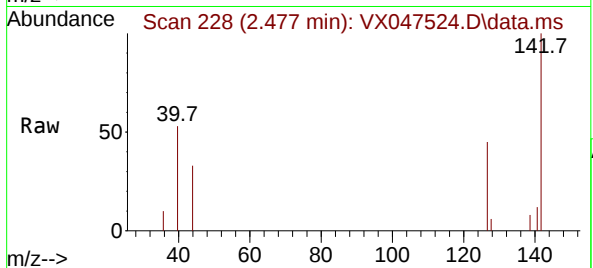
Tgt Ion: 94 Resp: 1018
Ion Ratio Lower Upper
94 100
96 80.2 74.7 112.1



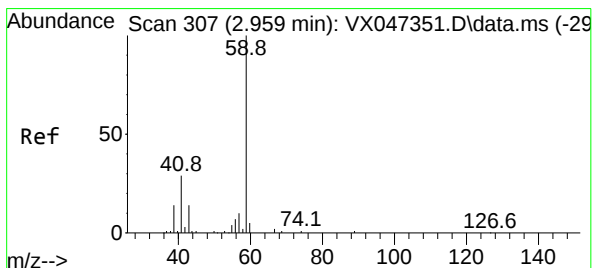
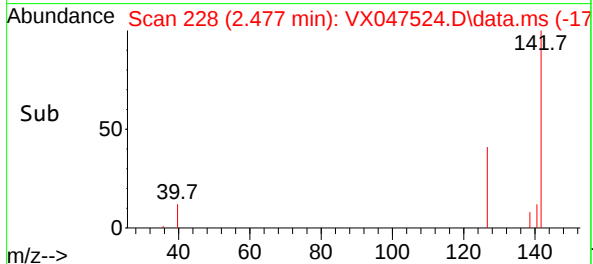
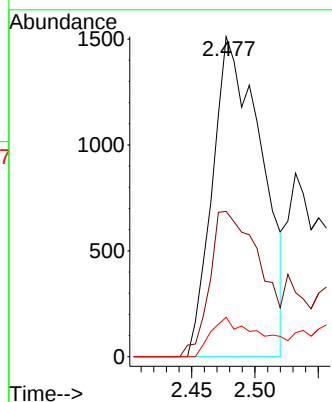


#10
Methyl Iodide
Concen: 0.917 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047524.D
Acq: 26 Aug 2025 10:42

Instrument :
MSVOA_X
ClientSampleId :

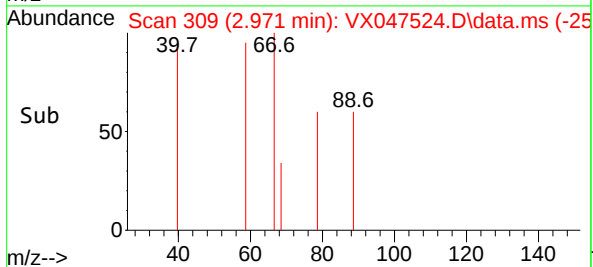
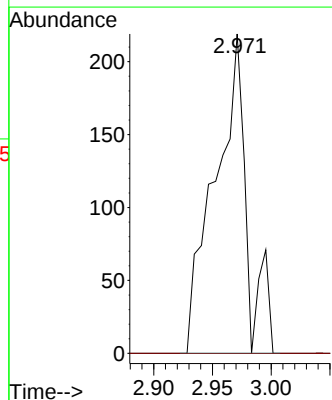
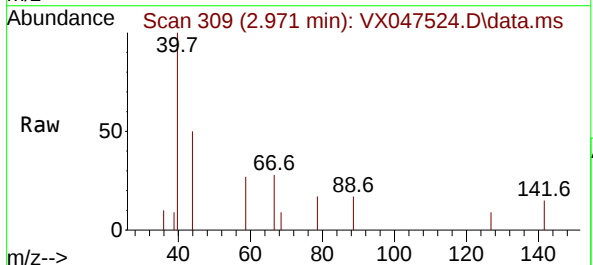


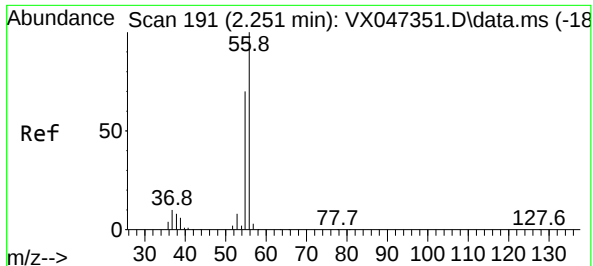
Tgt Ion:142 Resp: 4068
Ion Ratio Lower Upper
142 100
127 47.6 36.1 54.1
141 12.6 11.1 16.7



#11
Tert butyl alcohol
Concen: 1.623 ug/l
RT: 2.971 min Scan# 309
Delta R.T. 0.012 min
Lab File: VX047524.D
Acq: 26 Aug 2025 10:42

Tgt Ion: 59 Resp: 414
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

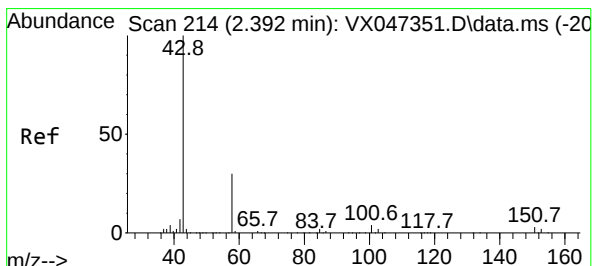
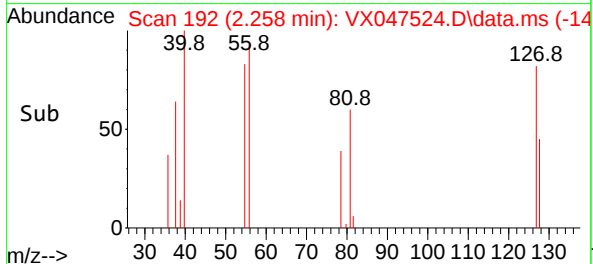
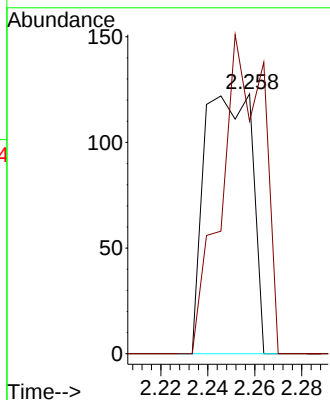
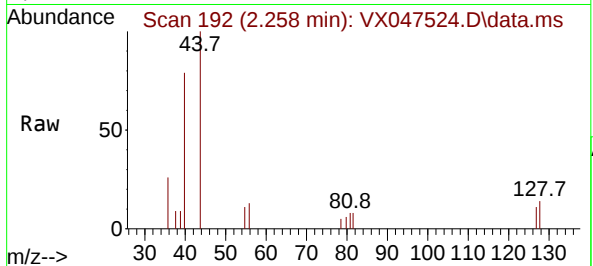




#13
Acrolein
Concen: 0.321 ug/l
RT: 2.258 min Scan# 191
Delta R.T. 0.006 min
Lab File: VX047524.D
Acq: 26 Aug 2025 10:42

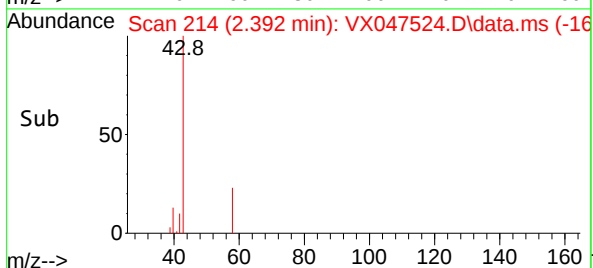
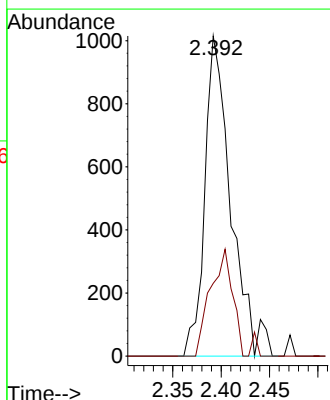
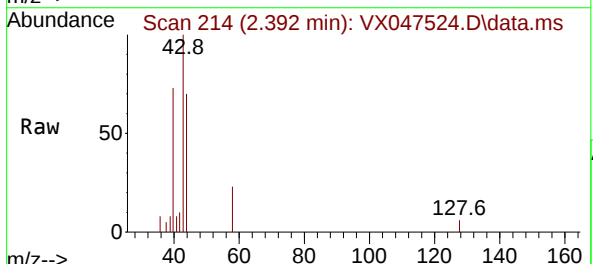
Instrument :
MSVOA_X
ClientSampleId :

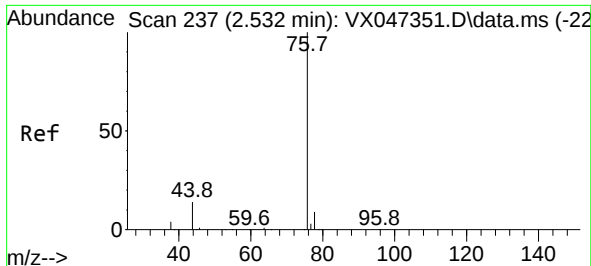
Tgt Ion: 56 Resp: 173
Ion Ratio Lower Upper
56 100
55 108.7 55.5 83.3#



#16
Acetone
Concen: 1.731 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047524.D
Acq: 26 Aug 2025 10:42

Tgt Ion: 43 Resp: 1908
Ion Ratio Lower Upper
43 100
58 48.2 24.8 37.2#





#17

Carbon Disulfide

Concen: 0.428 ug/l

RT: 2.538 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX047524.D

Acq: 26 Aug 2025 10:42

Instrument :

MSVOA_X

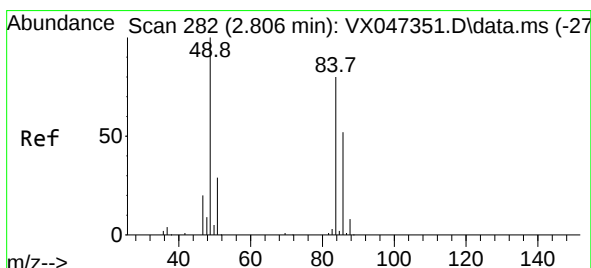
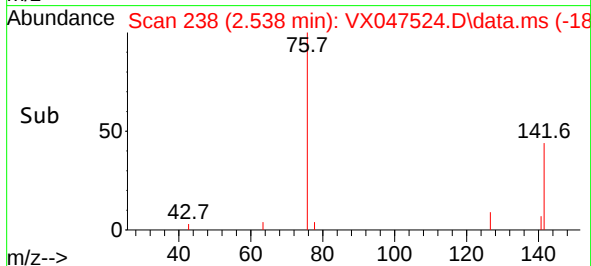
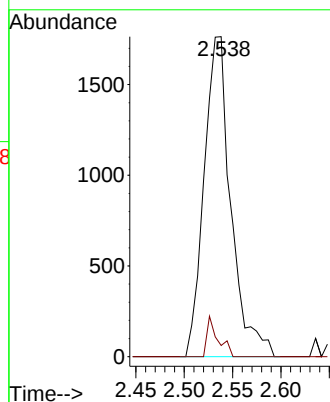
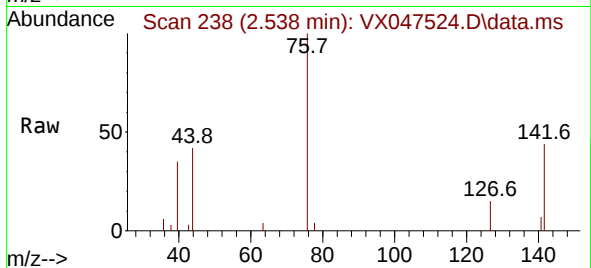
ClientSampleId :

Tgt Ion: 76 Resp: 3406

Ion Ratio Lower Upper

76 100

78 3.5 7.2 10.8#



#20

Methylene Chloride

Concen: 0.278 ug/l

RT: 2.813 min Scan# 283

Delta R.T. 0.006 min

Lab File: VX047524.D

Acq: 26 Aug 2025 10:42

Tgt Ion: 84 Resp: 812

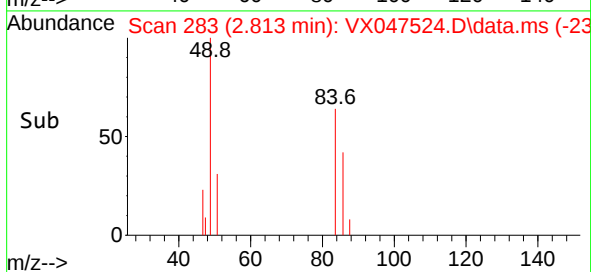
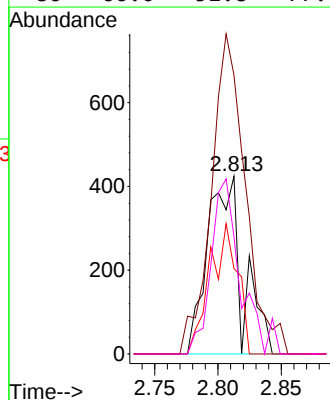
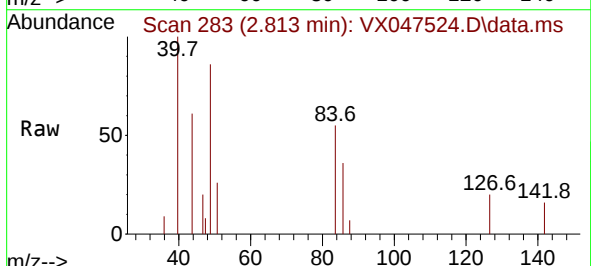
Ion Ratio Lower Upper

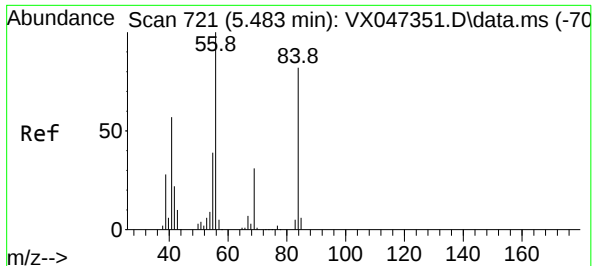
84 100

49 157.1 100.1 150.1#

51 48.1 29.5 44.3#

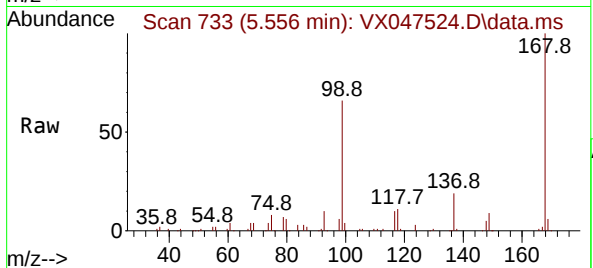
86 66.0 51.8 77.8



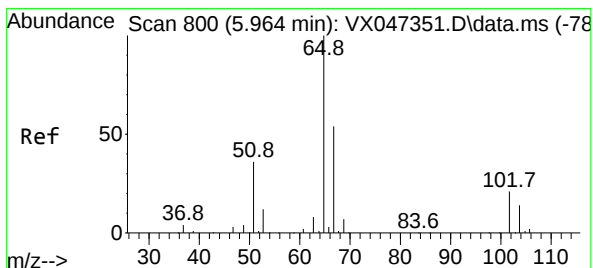
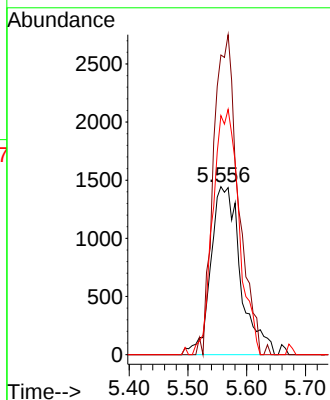
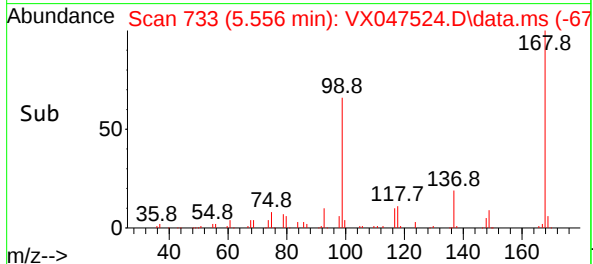


#31
Cyclohexane
Concen: 1.074 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX047524.D
Acq: 26 Aug 2025 10:42

Instrument :
MSVOA_X
ClientSampleId :

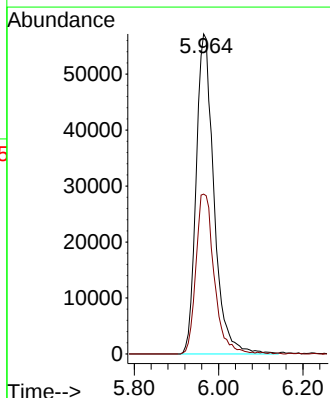
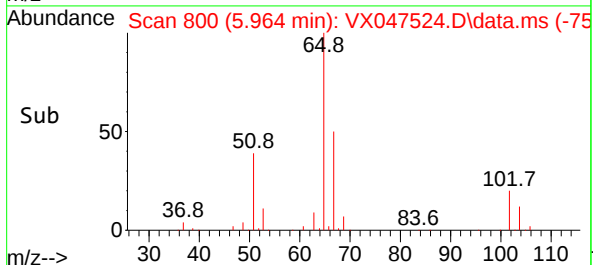
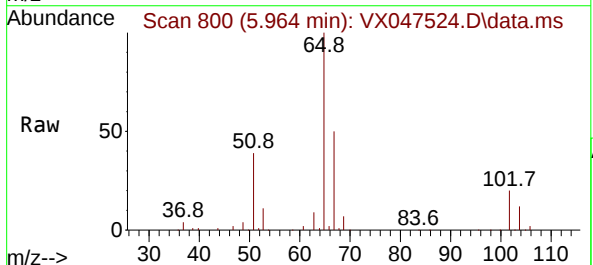


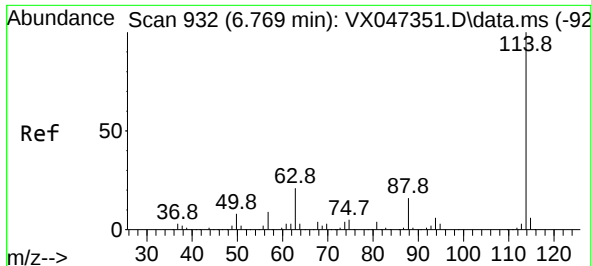
Tgt Ion: 56 Resp: 5067
Ion Ratio Lower Upper
56 100
69 178.5 24.3 36.5#
84 142.3 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 57.203 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047524.D
Acq: 26 Aug 2025 10:42

Tgt Ion: 65 Resp: 167759
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.0

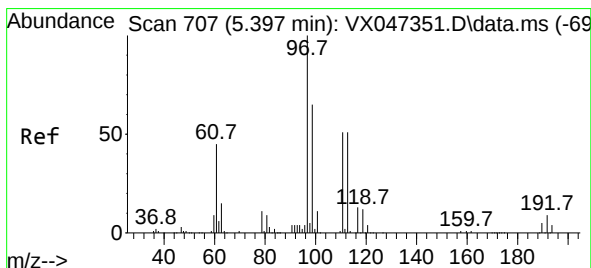
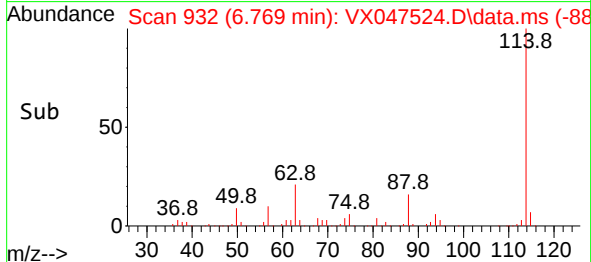
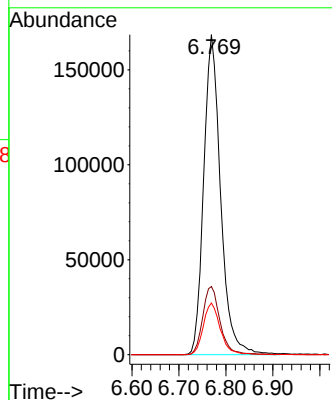
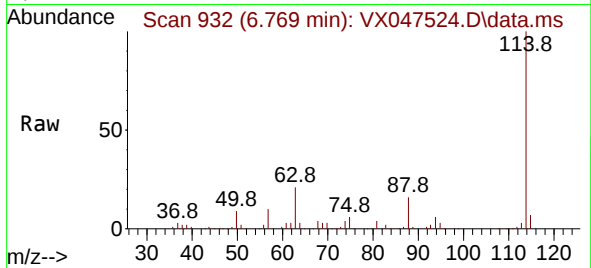




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047524.D
Acq: 26 Aug 2025 10:42

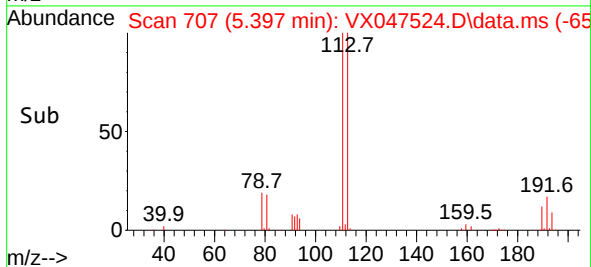
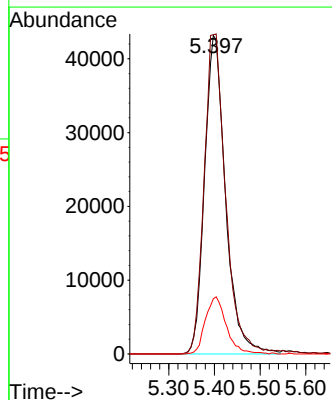
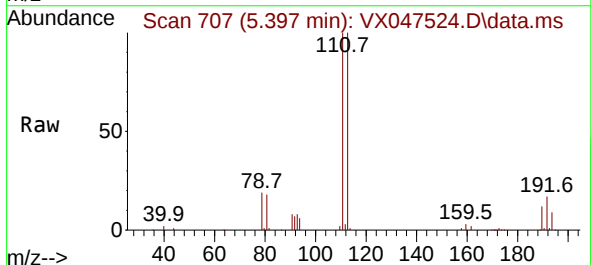
Instrument :
MSVOA_X
ClientSampleId :

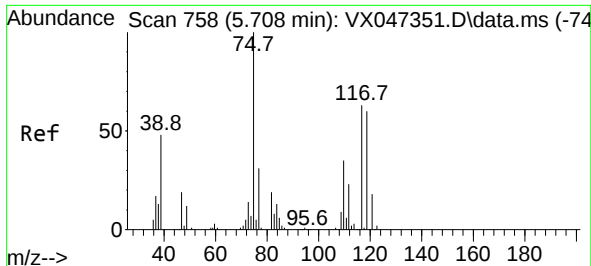
Tgt Ion:114 Resp: 420882
Ion Ratio Lower Upper
114 100
63 21.3 0.0 42.4
88 16.2 0.0 33.0



#35
Dibromofluoromethane
Concen: 50.377 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047524.D
Acq: 26 Aug 2025 10:42

Tgt Ion:113 Resp: 137607
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.2
192 17.9 14.1 21.1

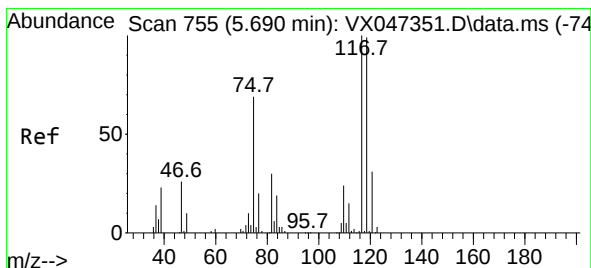
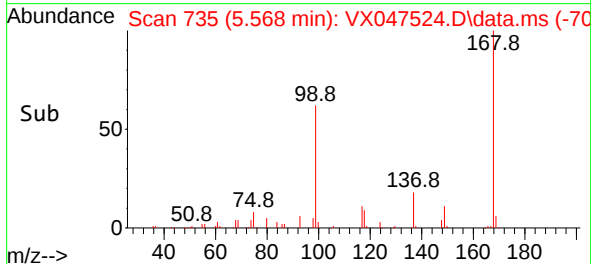
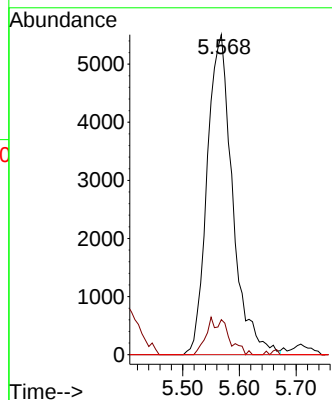
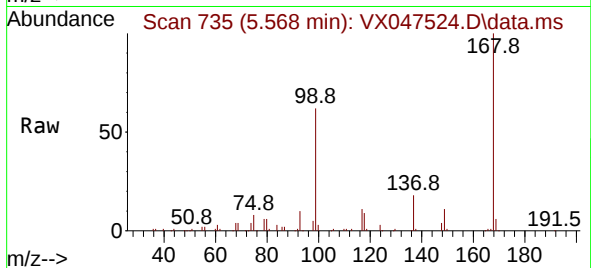




#36
1,1-Dichloropropene
Concen: 3.971 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX047524.D
Acq: 26 Aug 2025 10:42

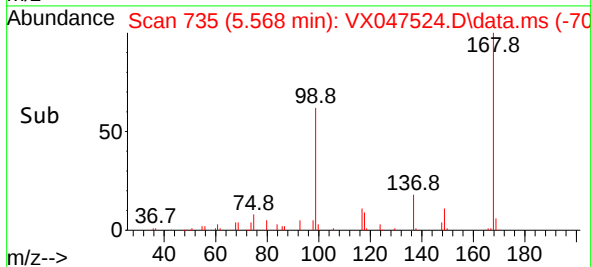
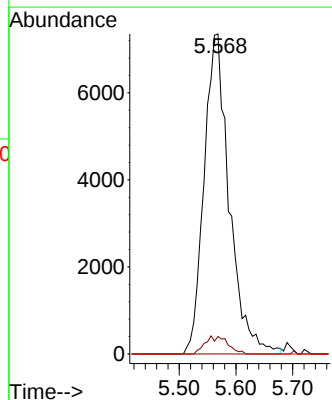
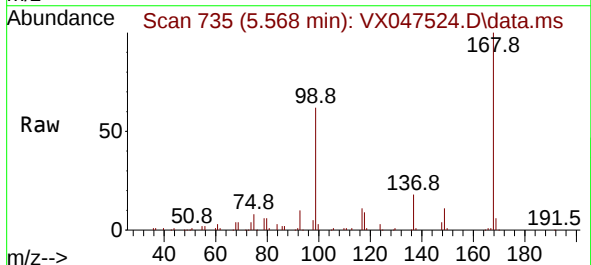
Instrument :
MSVOA_X
ClientSampleId :

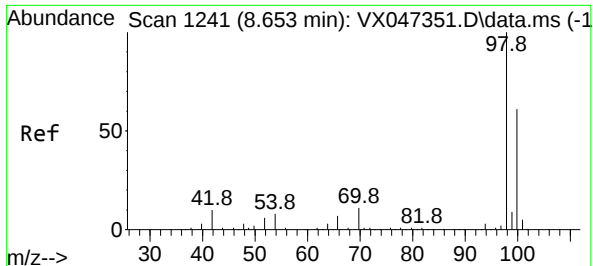
Tgt Ion: 75 Resp: 17122
Ion Ratio Lower Upper
75 100
110 5.3 17.4 52.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.806 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX047524.D
Acq: 26 Aug 2025 10:42

Tgt Ion: 117 Resp: 22646
Ion Ratio Lower Upper
117 100
119 5.5 78.5 117.7#
121 0.0 24.7 37.1#

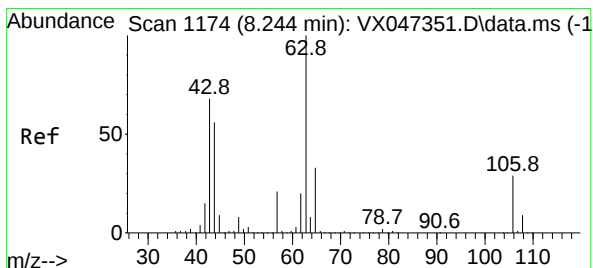
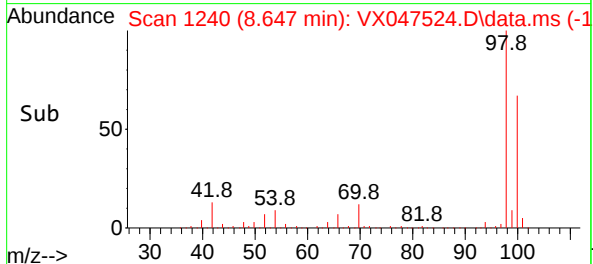
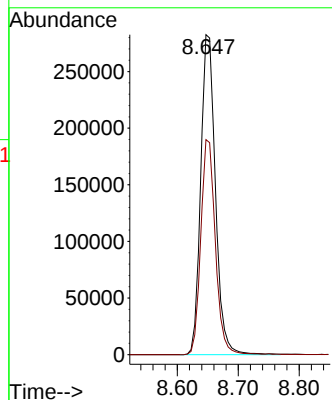
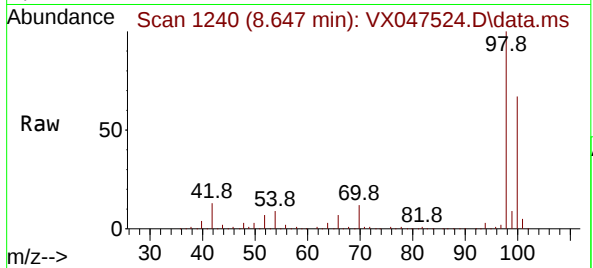




#50
Toluene-d8
Concen: 48.590 ug/l
RT: 8.647 min Scan# 1182
Delta R.T. -0.006 min
Lab File: VX047524.D
Acq: 26 Aug 2025 10:42

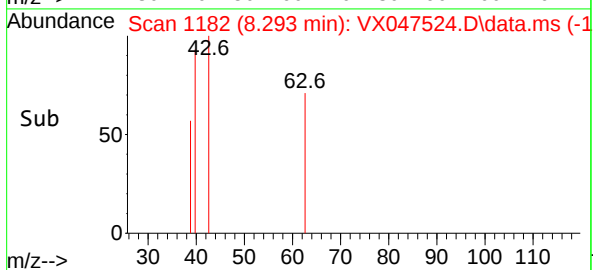
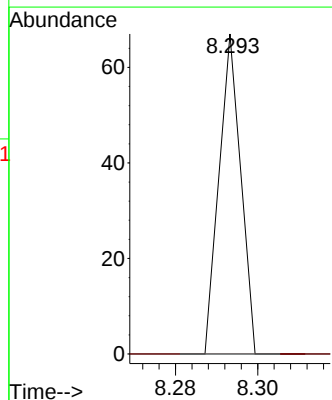
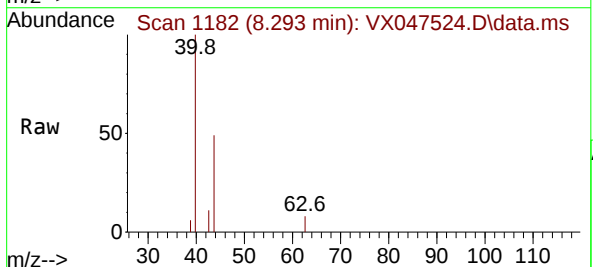
Instrument :
MSVOA_X
ClientSampleId :

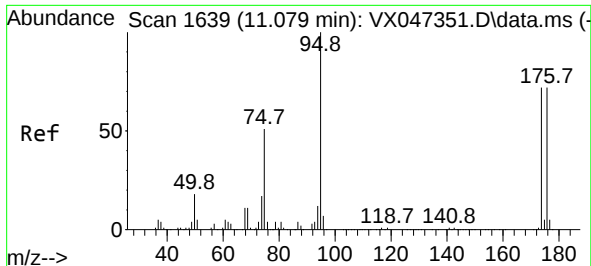
Tgt Ion: 98 Resp: 474401
Ion Ratio Lower Upper
98 100
100 66.5 53.9 80.9



#58
2-Chloroethyl Vinyl ether
Concen: 8.367 ug/l
RT: 8.293 min Scan# 1182
Delta R.T. 0.049 min
Lab File: VX047524.D
Acq: 26 Aug 2025 10:42

Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#





#62

4-Bromofluorobenzene

Concen: 55.241 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047524.D

Acq: 26 Aug 2025 10:42

Instrument :

MSVOA_X

ClientSampleId :

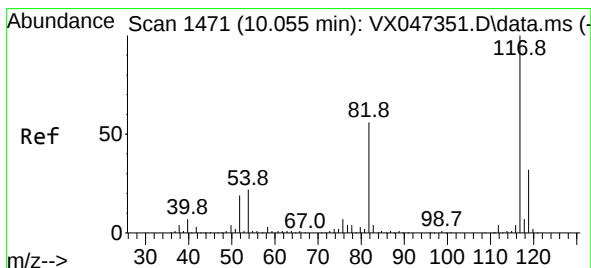
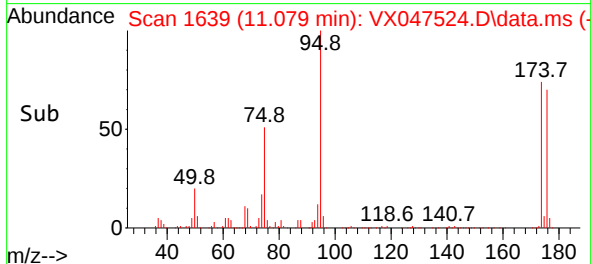
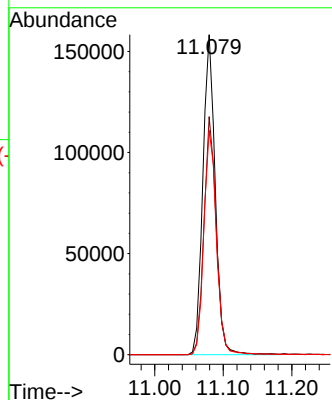
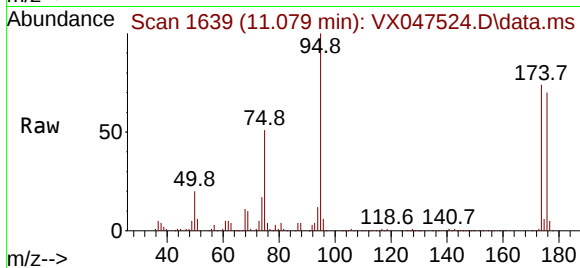
Tgt Ion: 95 Resp: 199024

Ion Ratio Lower Upper

95 100

174 74.2 0.0 148.0

176 71.3 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: VX047524.D

Acq: 26 Aug 2025 10:42

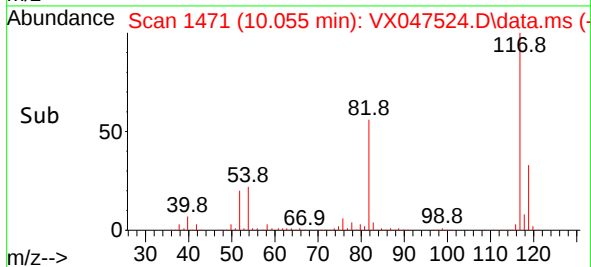
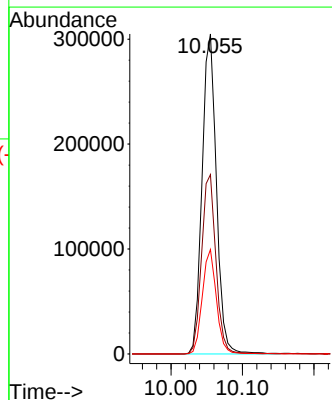
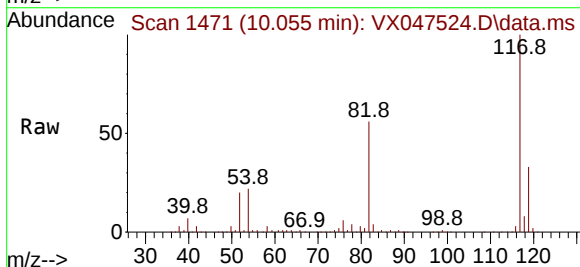
Tgt Ion: 117 Resp: 424401

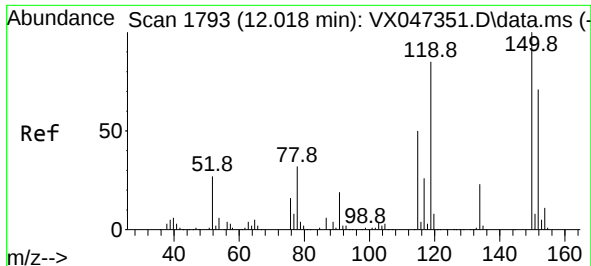
Ion Ratio Lower Upper

117 100

82 56.1 45.0 67.4

119 32.7 25.8 38.8

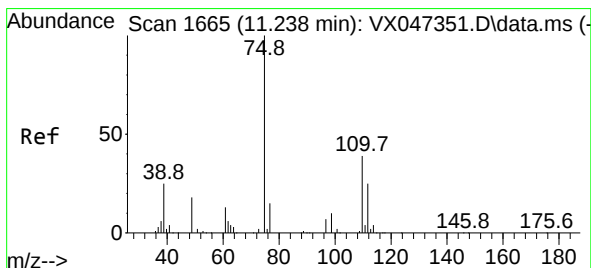
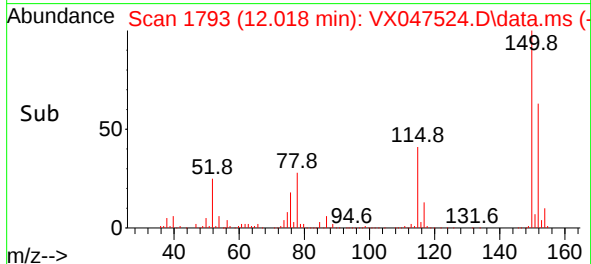
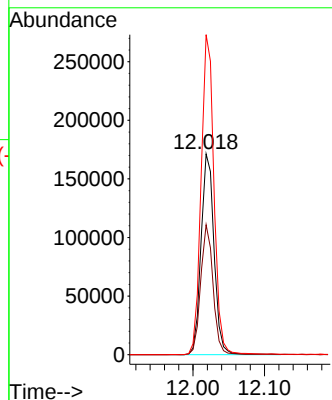
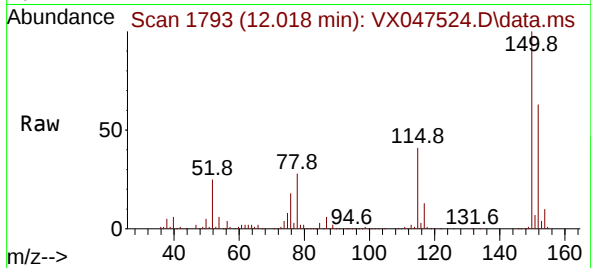




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047524.D
 Acq: 26 Aug 2025 10:42

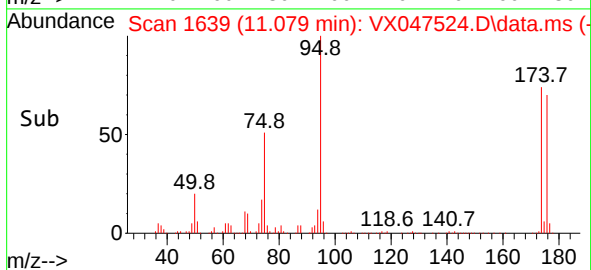
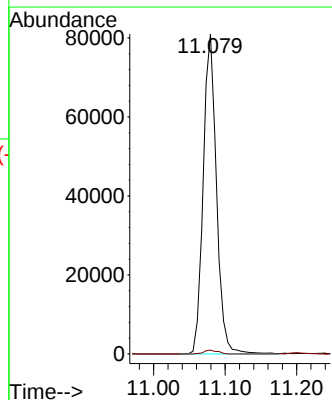
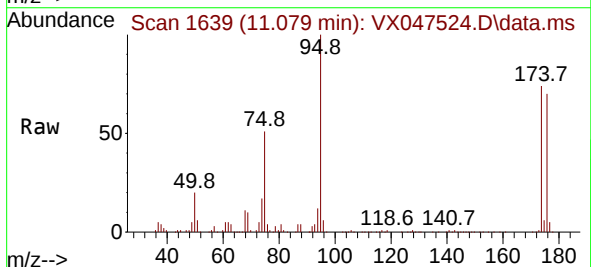
Instrument :
 MSVOA_X
 ClientSampleId :

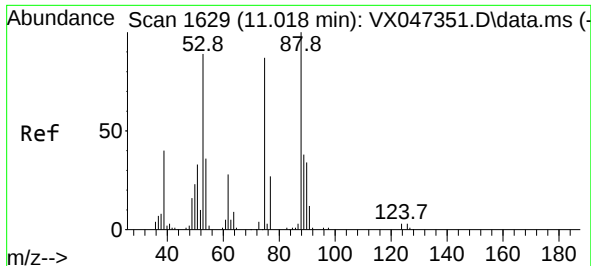
Tgt Ion:152 Resp: 216460
 Ion Ratio Lower Upper
 152 100
 115 61.7 44.6 133.8
 150 157.8 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 26.305 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047524.D
 Acq: 26 Aug 2025 10:42

Tgt Ion: 75 Resp: 104433
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.4 58.2#

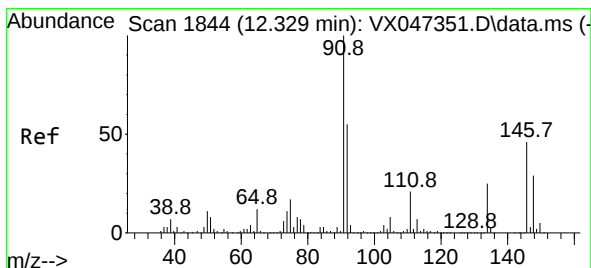
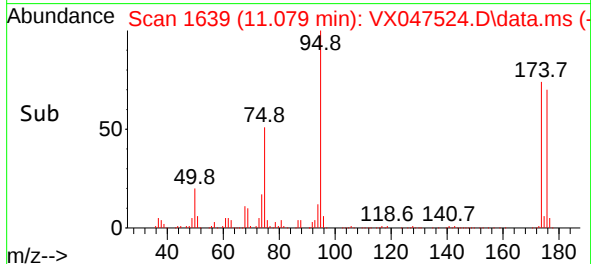
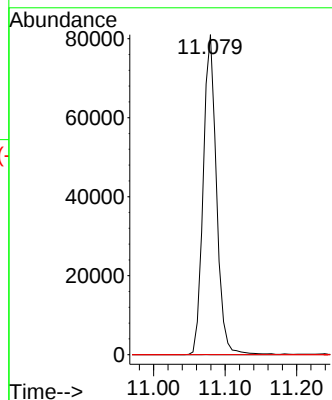
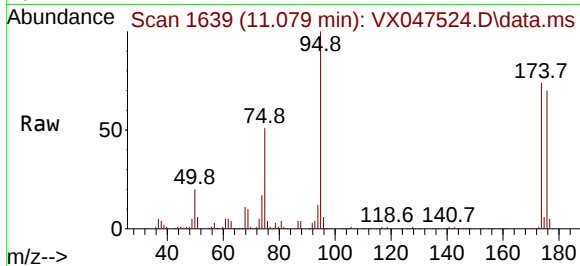




#81
trans-1,4-Dichloro-2-butene
Concen: 104.221 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047524.D
Acq: 26 Aug 2025 10:42

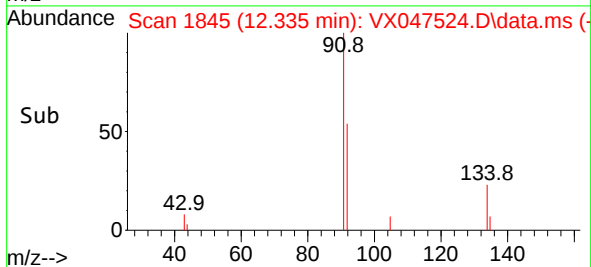
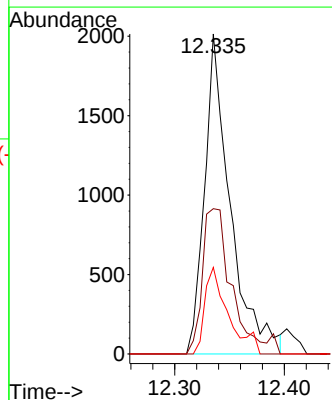
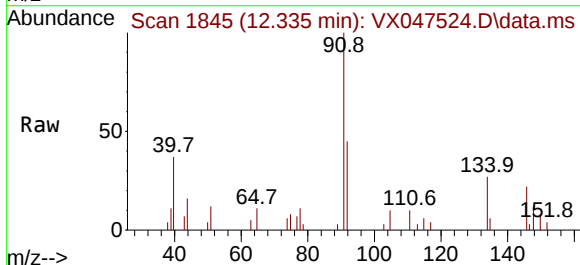
Instrument :
MSVOA_X
ClientSampleId :

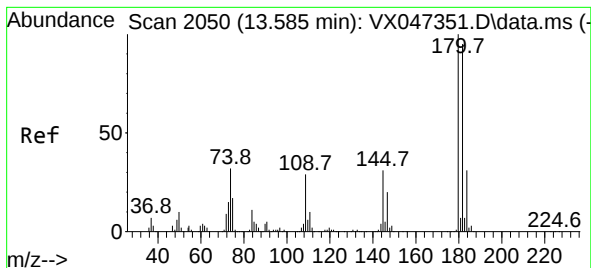
Tgt Ion: 75 Resp: 104433
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#



#89
n-Butylbenzene
Concen: 0.242 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX047524.D
Acq: 26 Aug 2025 10:42

Tgt Ion: 91 Resp: 3281
Ion Ratio Lower Upper
91 100
92 52.2 27.2 81.5
134 24.6 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.372 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX047524.D

Acq: 26 Aug 2025 10:42

Instrument :

MSVOA_X

ClientSampleId :

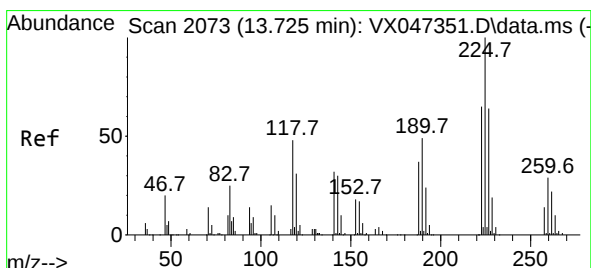
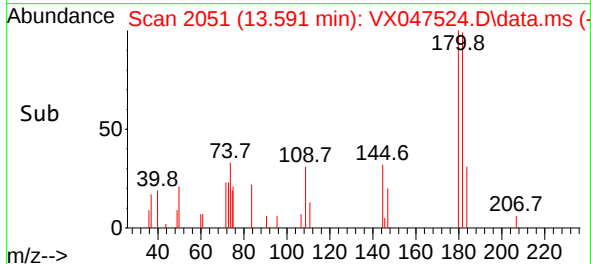
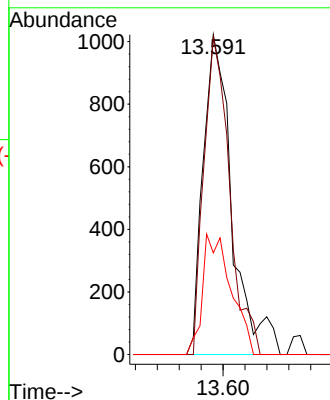
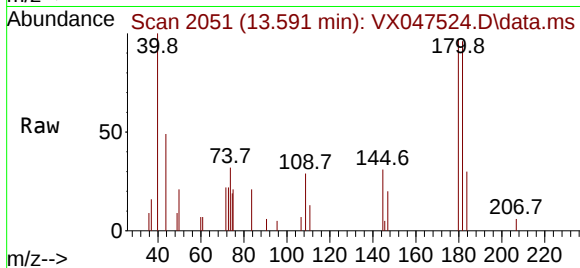
Tgt Ion:180 Resp: 1871

Ion Ratio Lower Upper

180 100

182 87.9 48.1 144.4

145 37.1 16.2 48.5



#94

Hexachlorobutadiene

Concen: 0.953 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX047524.D

Acq: 26 Aug 2025 10:42

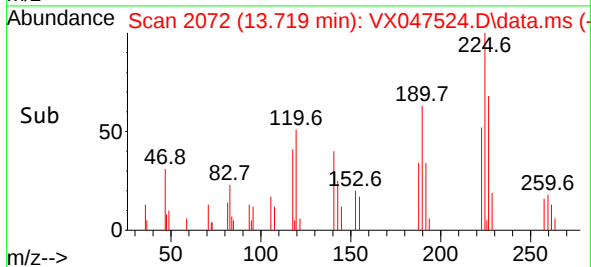
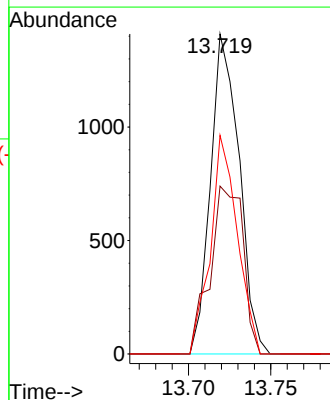
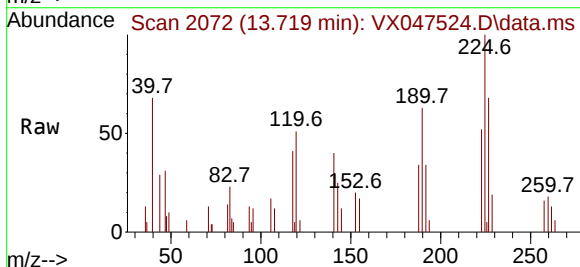
Tgt Ion:225 Resp: 1705

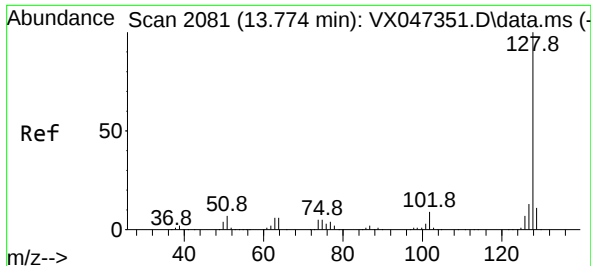
Ion Ratio Lower Upper

225 100

223 60.2 32.2 96.6

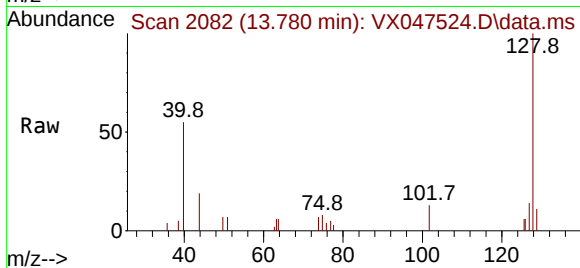
227 64.3 31.6 95.0



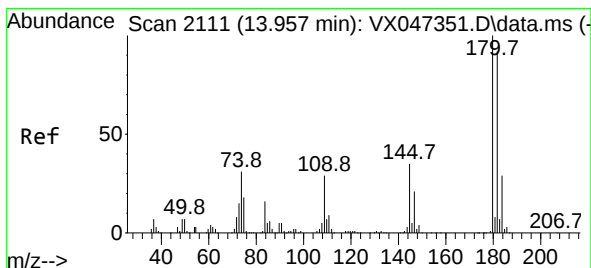
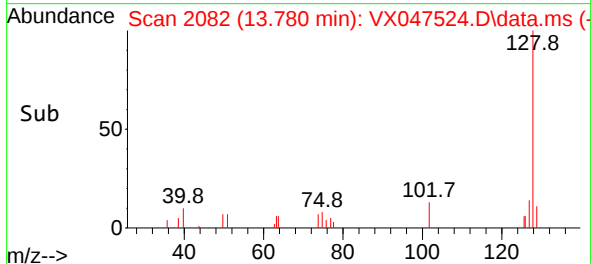
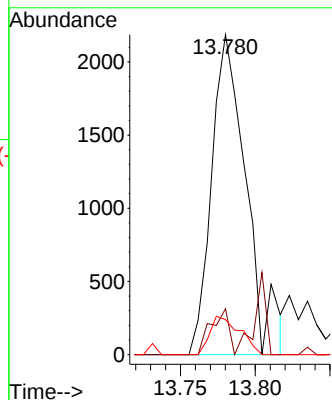


#95
Naphthalene
Concen: 0.246 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX047524.D
Acq: 26 Aug 2025 10:42

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 3531
Ion Ratio Lower Upper
128 100
127 7.5 10.1 15.1#
129 10.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.325 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX047524.D
Acq: 26 Aug 2025 10:42

Tgt Ion:180 Resp: 1542
Ion Ratio Lower Upper
180 100
182 96.8 48.0 144.2
145 30.0 17.4 52.2

