

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
 Data File : VX047457.D
 Acq On : 21 Aug 2025 10:24
 Operator : JC/MD
 Sample : VX0821WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBL01

Quant Time: Aug 22 03:39:56 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)

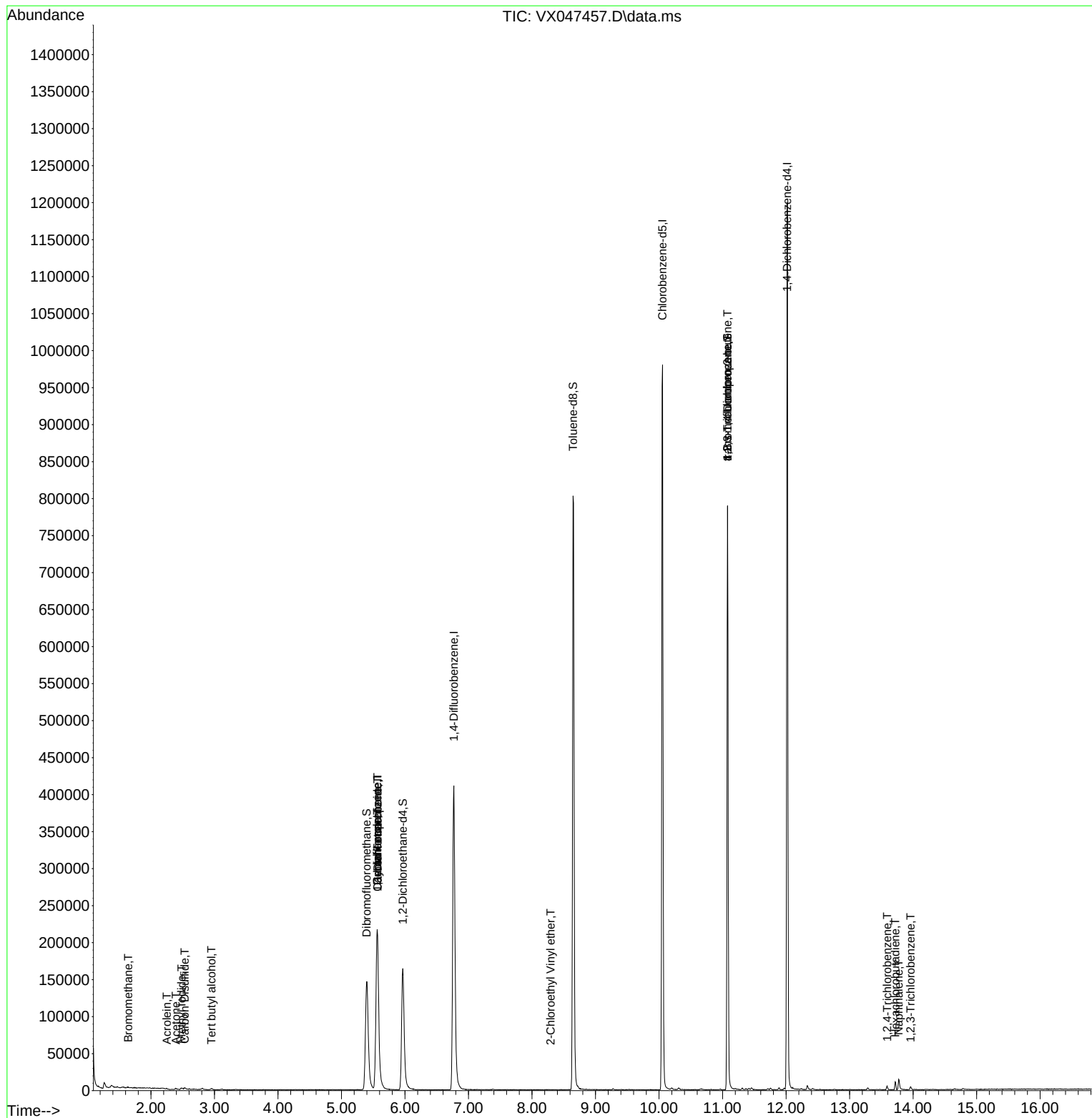
Internal Standards						
1) Pentafluorobenzene	5.562	168	216518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	445927	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	448054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	231897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	173844	57.370	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 114.740%		
35) Dibromofluoromethane	5.397	113	141661	48.948	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.900%		
50) Toluene-d8	8.647	98	503800	48.703	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 97.400%		
62) 4-Bromofluorobenzene	11.079	95	212116	55.568	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 111.140%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	811	0.644	ug/l	87
10) Methyl Iodide	2.483	142	3339	0.729	ug/l	93
11) Tert butyl alcohol	2.953	59	158	0.599	ug/l #	72
13) Acrolein	2.252	56	176	0.316	ug/l #	64
16) Acetone	2.392	43	2060	1.809	ug/l #	87
17) Carbon Disulfide	2.532	76	2415	0.294	ug/l #	95
31) Cyclohexane	5.562	56	4623	0.948	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	18068	3.955	ug/l #	50
38) Carbon Tetrachloride	5.568	117	23425	4.692	ug/l #	16
58) 2-Chloroethyl Vinyl ether	8.293	63	55	8.379	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	111519	26.220	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	111519	103.910	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.591	180	1495	0.278	ug/l	93
94) Hexachlorobutadiene	13.719	225	1542	0.804	ug/l	83
95) Naphthalene	13.774	128	10835	0.704	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1175	0.231	ug/l	99

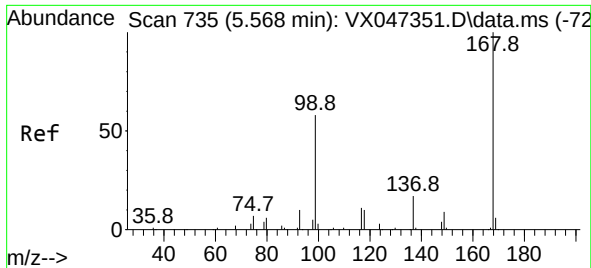
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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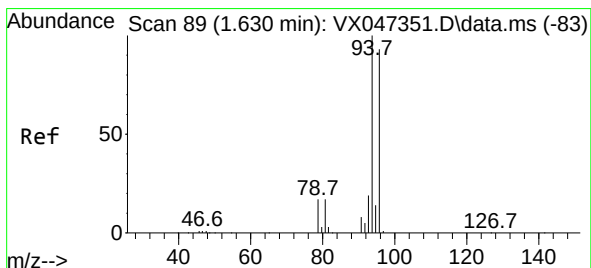
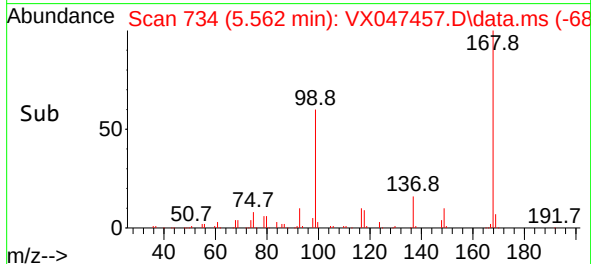
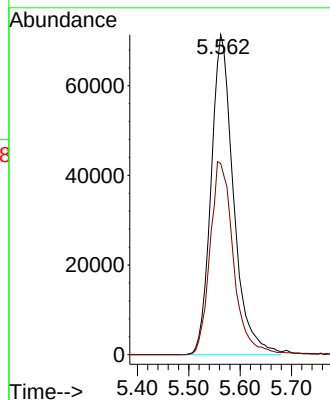
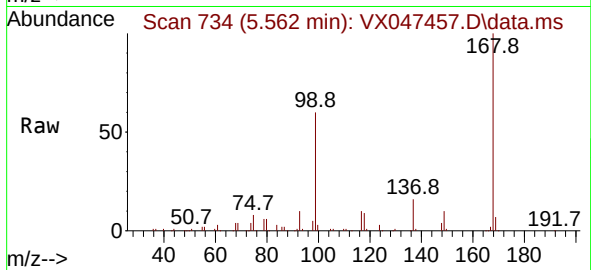




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

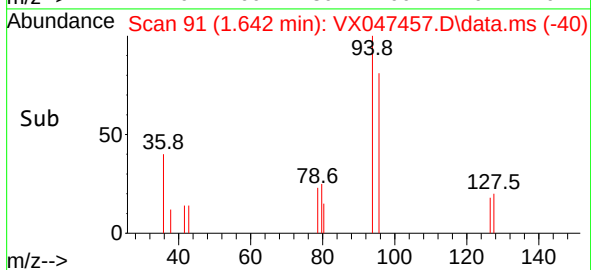
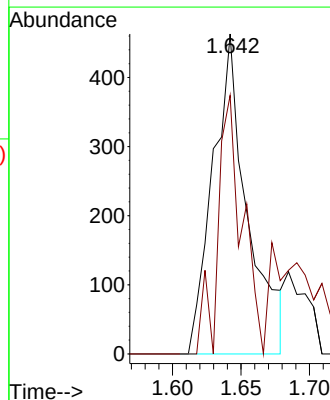
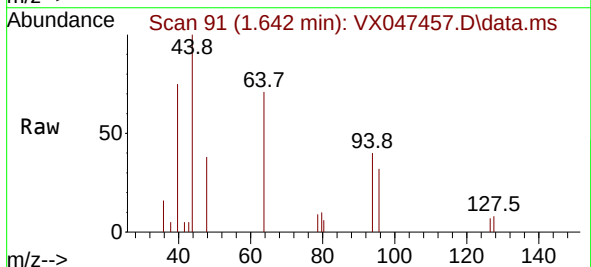
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

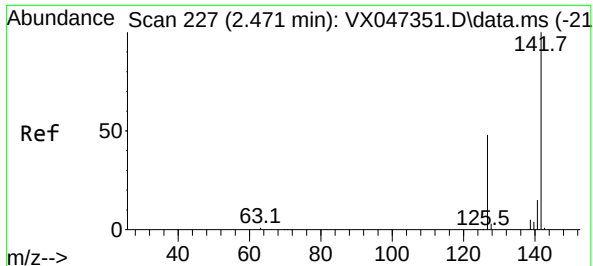
Tgt Ion:168 Resp: 216518
Ion Ratio Lower Upper
168 100
99 59.8 47.9 71.9



#5
Bromomethane
Concen: 0.644 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion: 94 Resp: 811
Ion Ratio Lower Upper
94 100
96 80.8 74.7 112.1

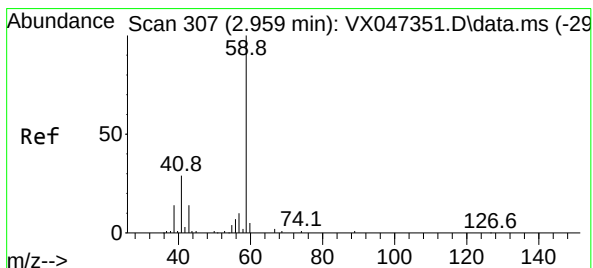
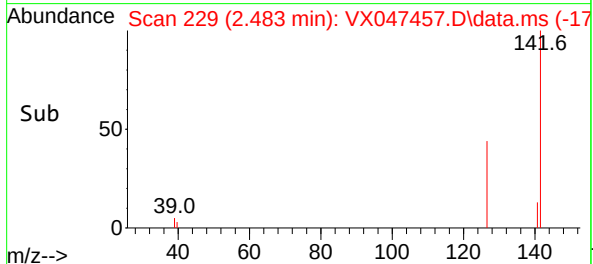
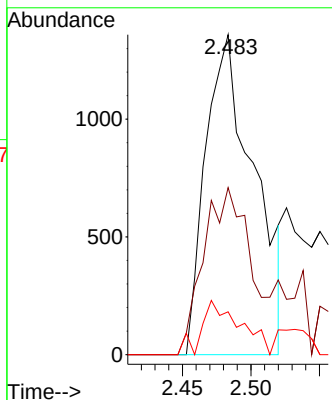
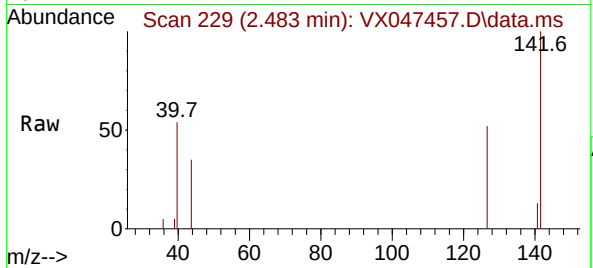




#10
Methyl Iodide
Concen: 0.729 ug/l
RT: 2.483 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

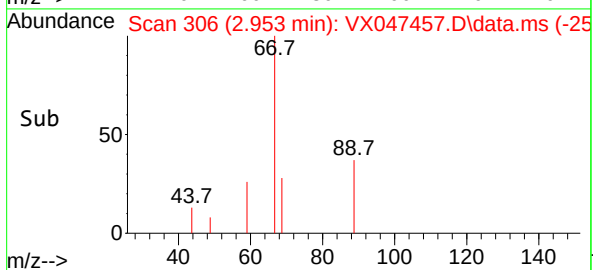
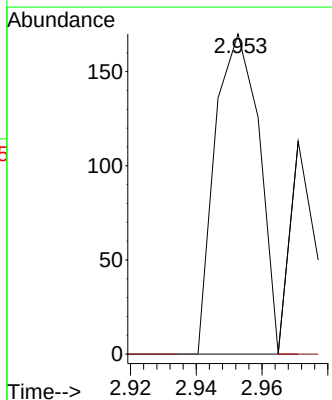
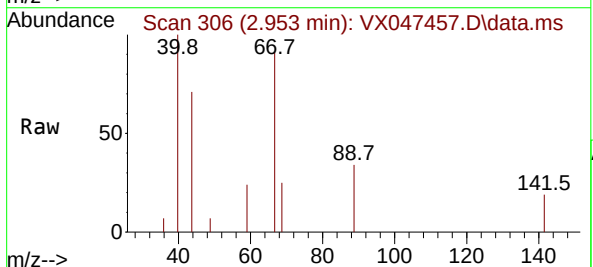
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

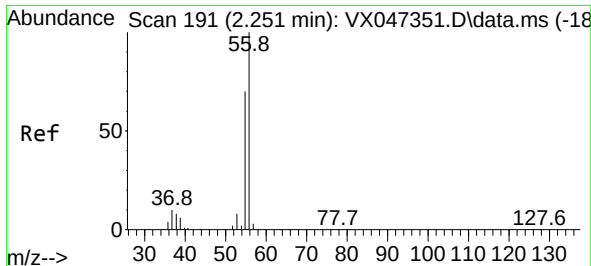
Tgt Ion:142 Resp: 3339
Ion Ratio Lower Upper
142 100
127 51.2 36.1 54.1
141 13.6 11.1 16.7



#11
Tert butyl alcohol
Concen: 0.599 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion: 59 Resp: 158
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

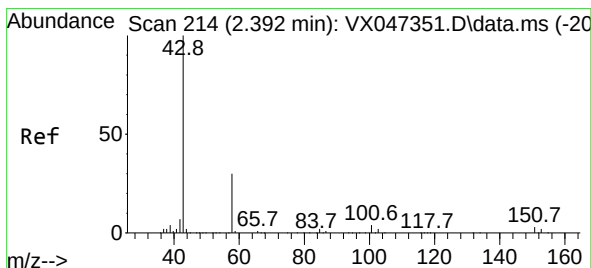
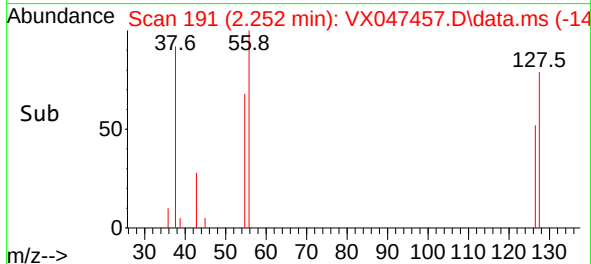
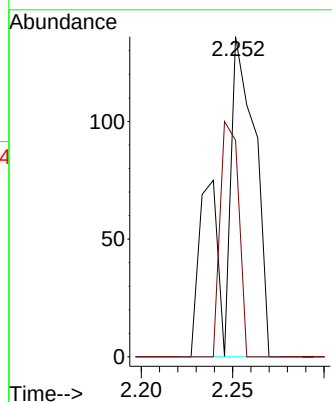
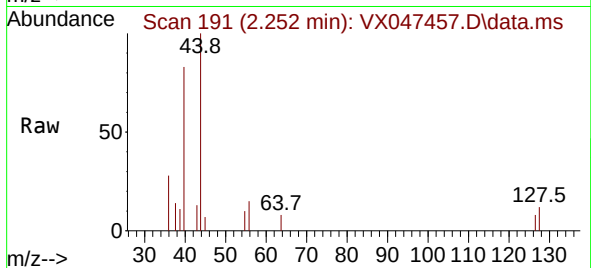




#13
Acrolein
Concen: 0.316 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

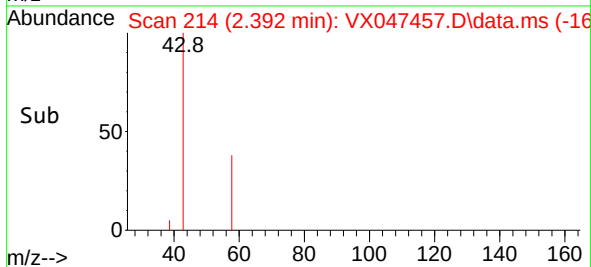
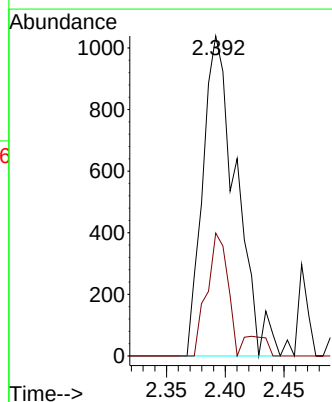
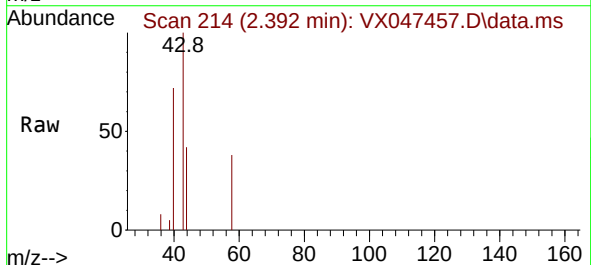
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

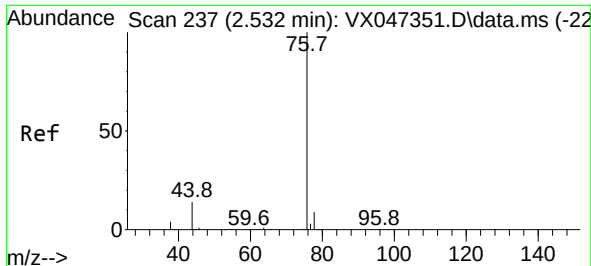
Tgt Ion: 56 Resp: 176
Ion Ratio Lower Upper
56 100
55 39.8 55.5 83.3#



#16
Acetone
Concen: 1.809 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion: 43 Resp: 2060
Ion Ratio Lower Upper
43 100
58 38.4 24.8 37.2#

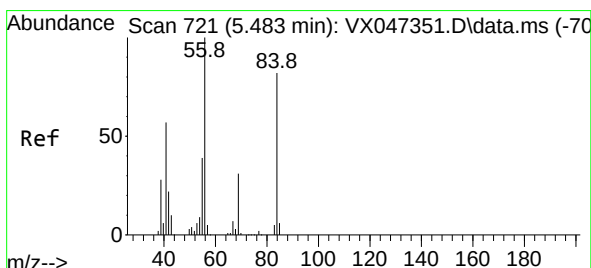
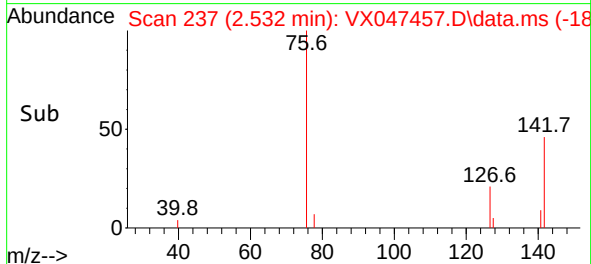
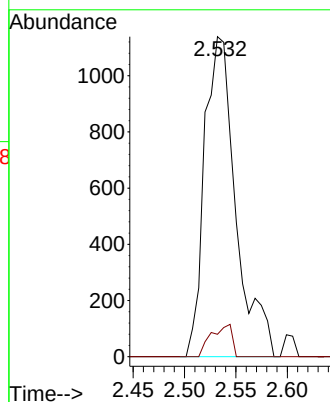
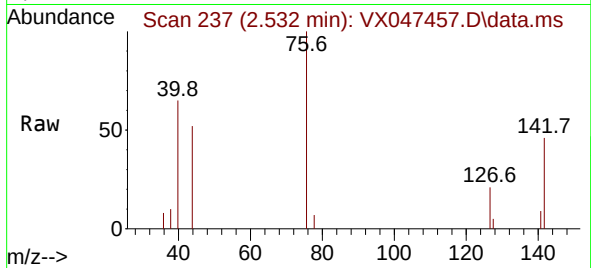




#17
Carbon Disulfide
Concen: 0.294 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

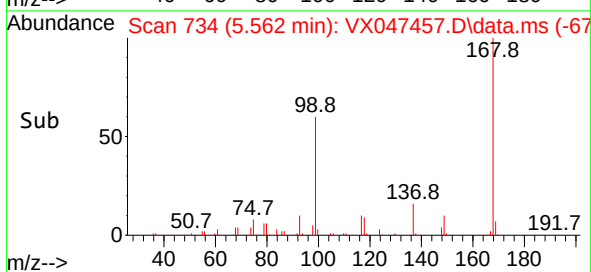
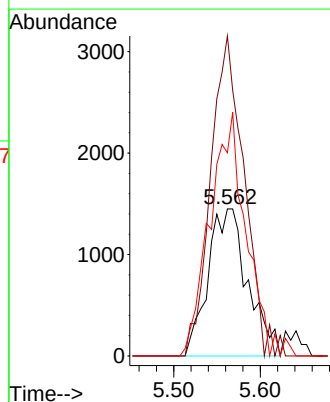
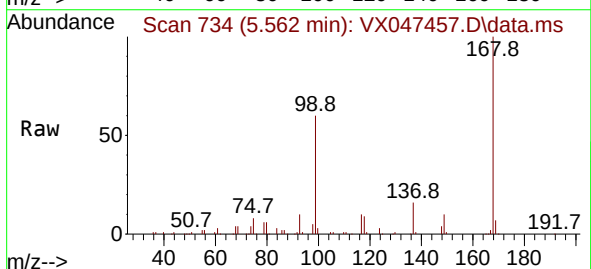
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

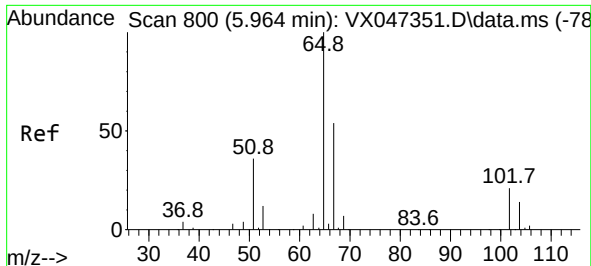
Tgt Ion: 76 Resp: 2415
Ion Ratio Lower Upper
76 100
78 7.0 7.2 10.8#



#31
Cyclohexane
Concen: 0.948 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion: 56 Resp: 4623
Ion Ratio Lower Upper
56 100
69 217.6 24.3 36.5#
84 138.2 65.3 97.9#

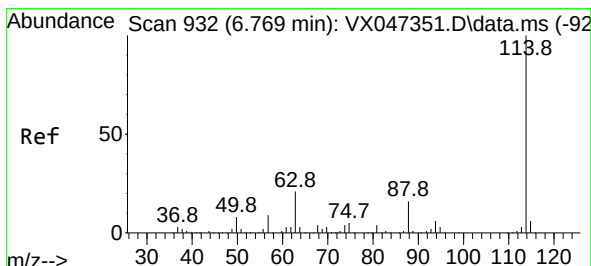
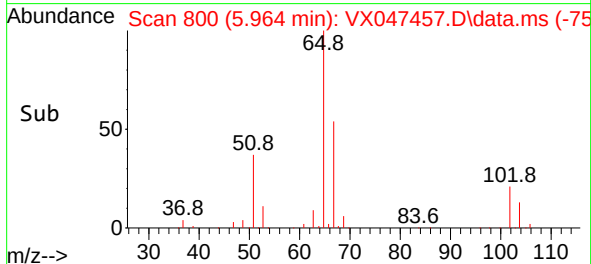
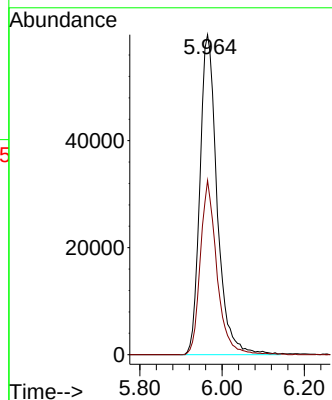
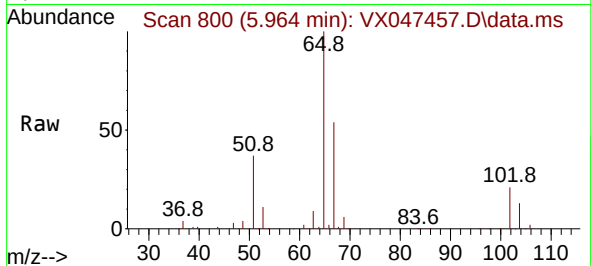




#33
 1,2-Dichloroethane-d4
 Concen: 57.370 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047457.D
 Acq: 21 Aug 2025 10:24

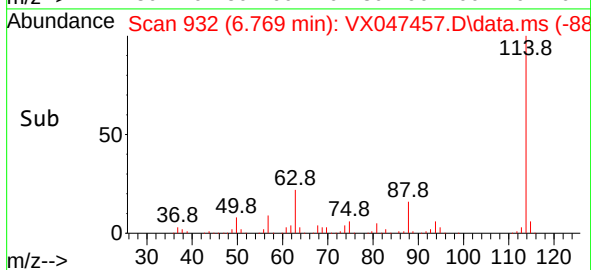
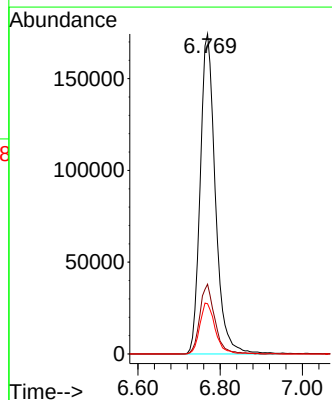
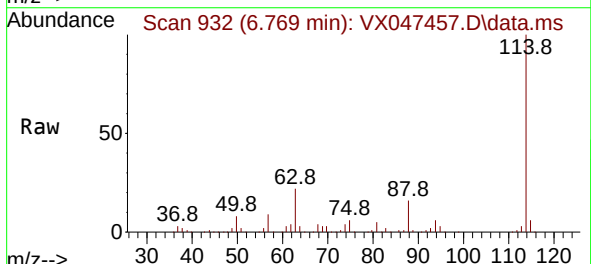
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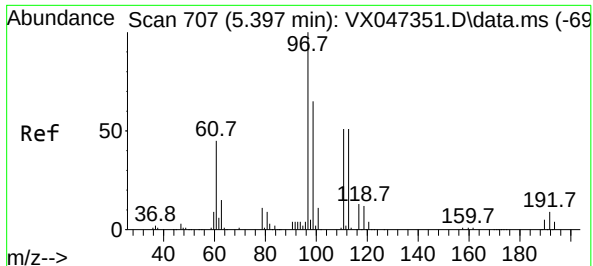
Tgt Ion: 65 Resp: 173844
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047457.D
 Acq: 21 Aug 2025 10:24

Tgt Ion: 114 Resp: 445927
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.4
 88 15.7 0.0 33.0

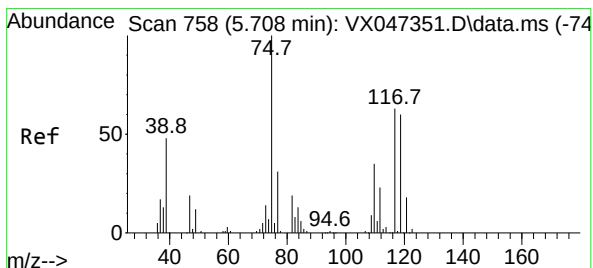
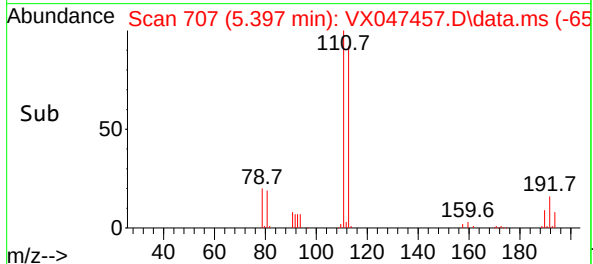
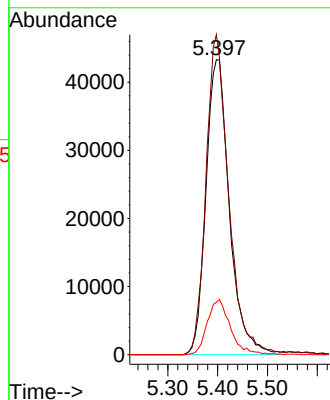
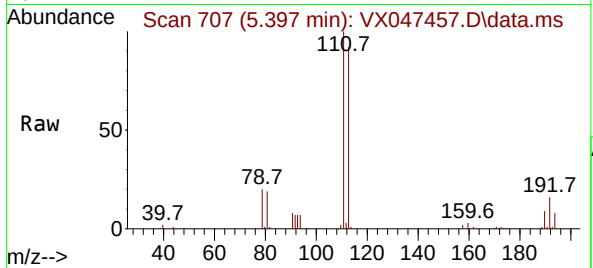




#35
Dibromofluoromethane
Concen: 48.948 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

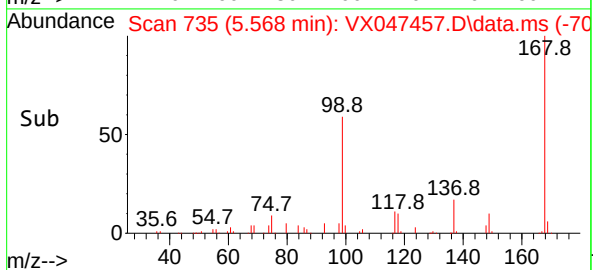
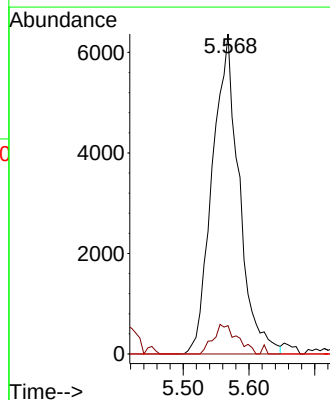
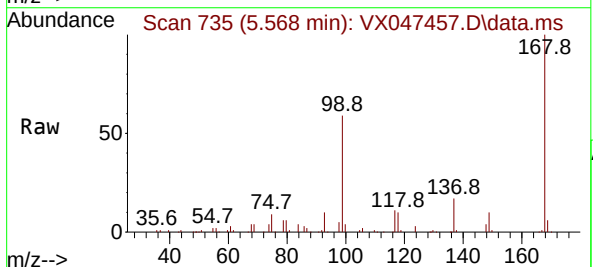
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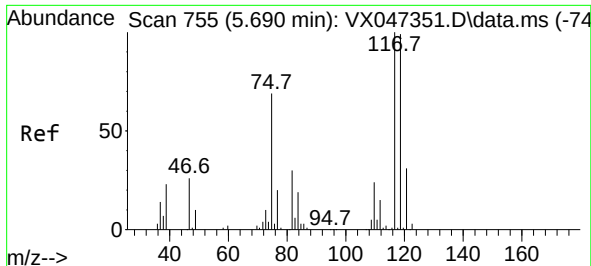
Tgt Ion:113 Resp: 141661
Ion Ratio Lower Upper
113 100
111 104.7 81.4 122.2
192 18.4 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.955 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.140 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

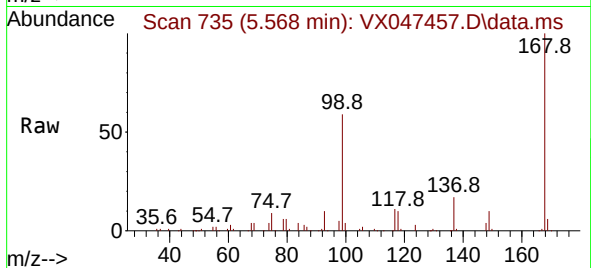
Tgt Ion: 75 Resp: 18068
Ion Ratio Lower Upper
75 100
110 8.3 17.4 52.2#
77 0.0 24.4 36.6#



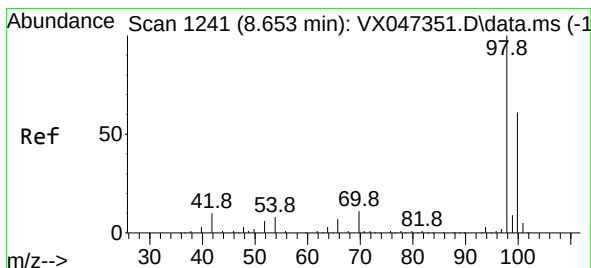
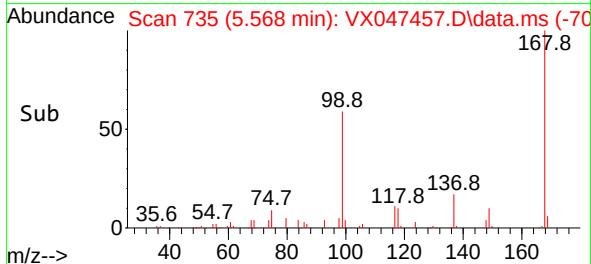
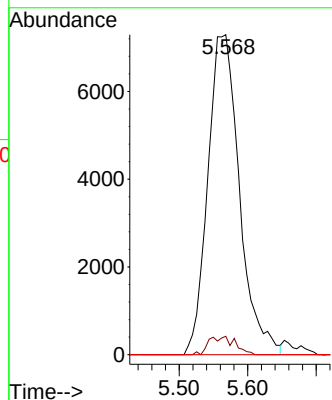


#38
Carbon Tetrachloride
Concen: 4.692 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

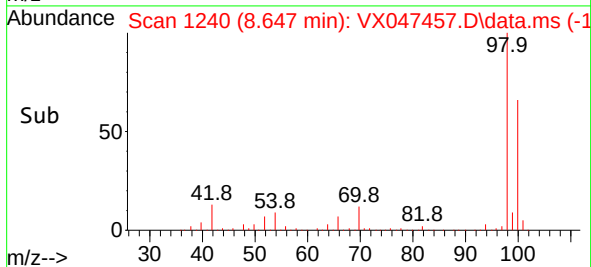
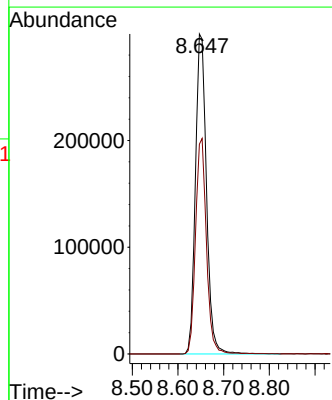
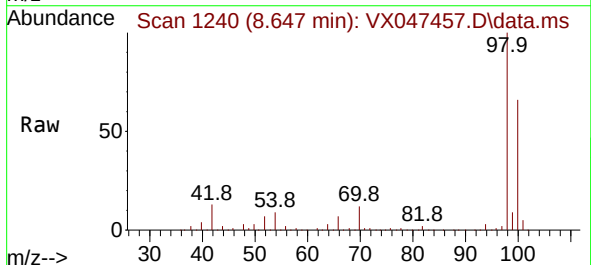


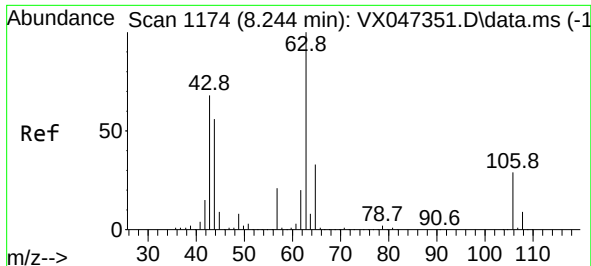
Tgt Ion:117 Resp: 23425
Ion Ratio Lower Upper
117 100
119 5.7 78.5 117.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.703 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion: 98 Resp: 503800
Ion Ratio Lower Upper
98 100
100 66.3 53.9 80.9

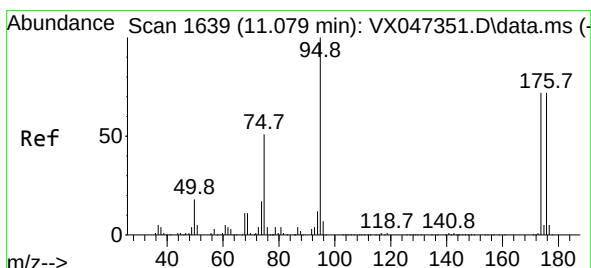
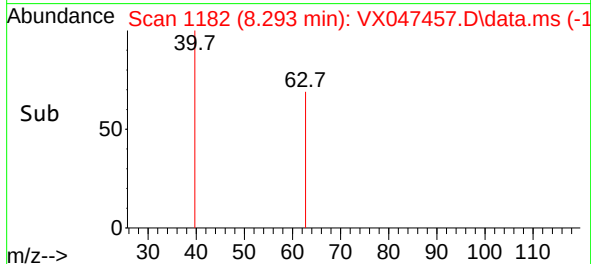
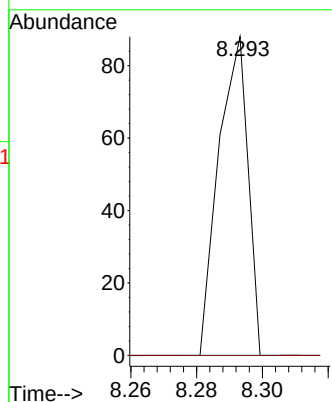
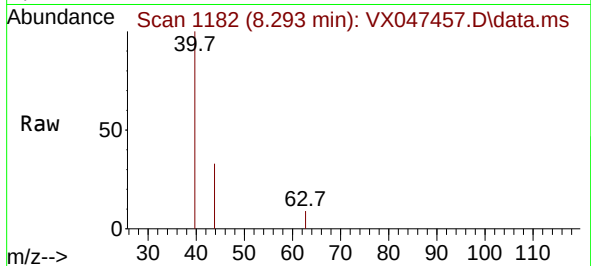




#58
2-Chloroethyl Vinyl ether
Concen: 8.379 ug/l
RT: 8.293 min Scan# 1174
Delta R.T. 0.049 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

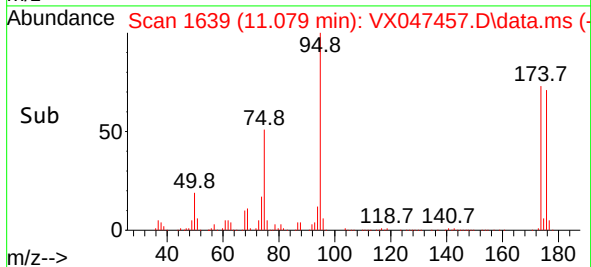
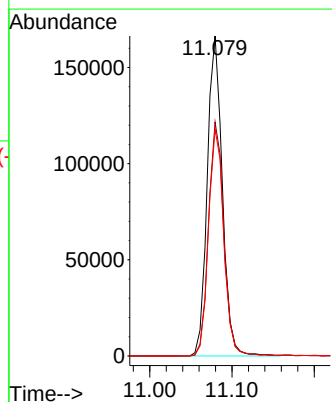
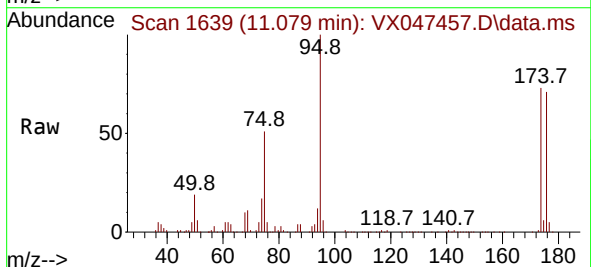
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

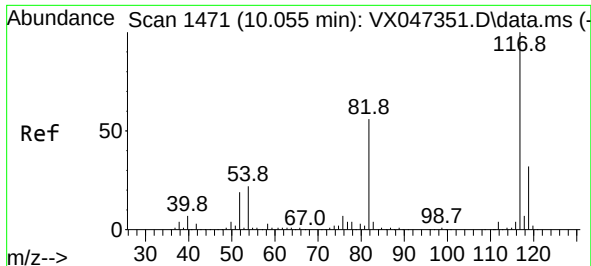
Tgt Ion: 63 Resp: 55
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#



#62
4-Bromofluorobenzene
Concen: 55.568 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion: 95 Resp: 212116
Ion Ratio Lower Upper
95 100
174 74.2 0.0 148.0
176 71.7 0.0 145.4

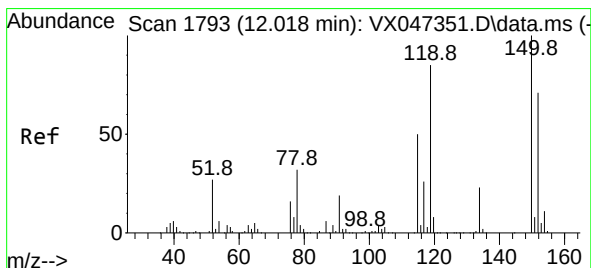
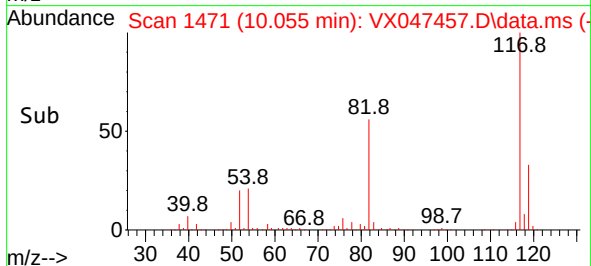
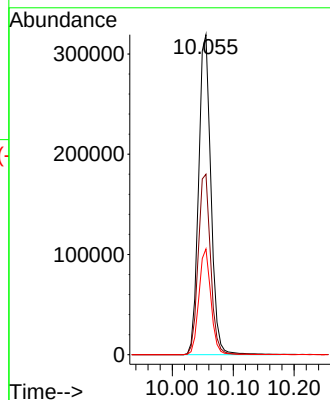
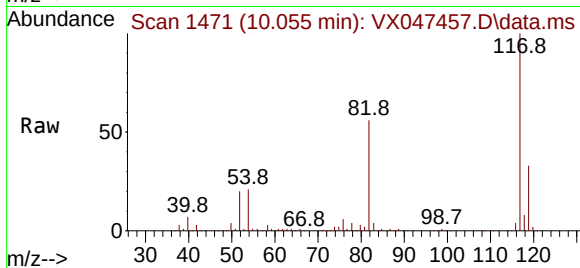




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

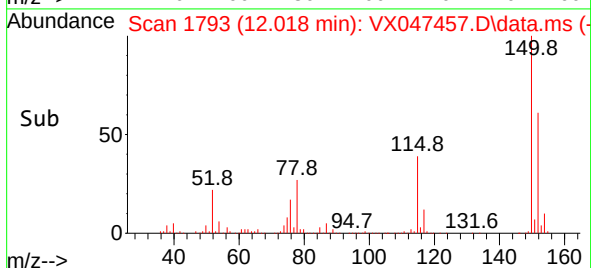
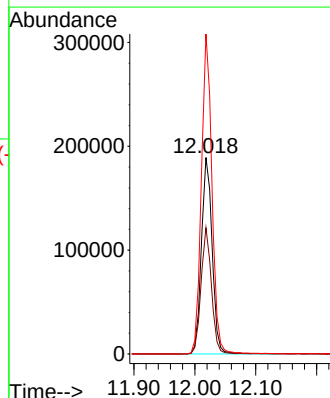
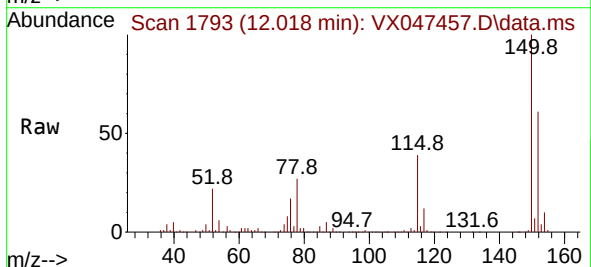
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

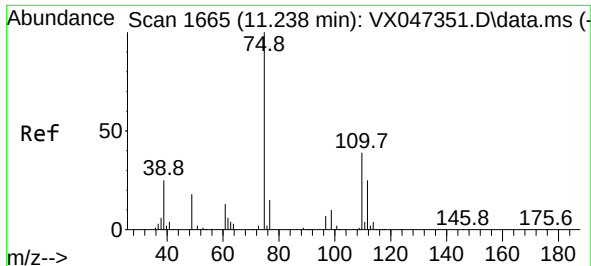
Tgt Ion:117 Resp: 448054
Ion Ratio Lower Upper
117 100
82 56.4 45.0 67.4
119 33.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion:152 Resp: 231897
Ion Ratio Lower Upper
152 100
115 62.1 44.6 133.8
150 159.9 0.0 349.8

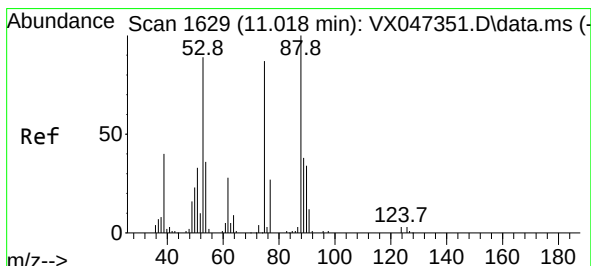
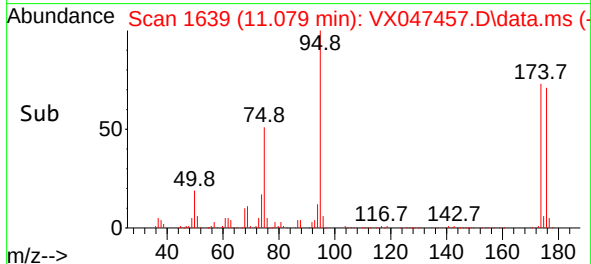
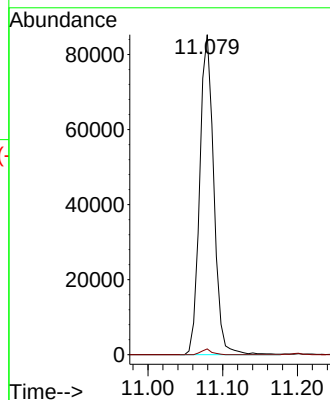
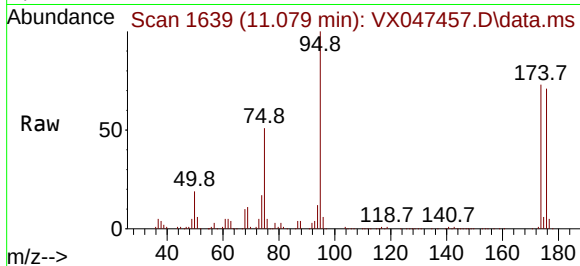




#76
1,2,3-Trichloropropane
Concen: 26.220 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

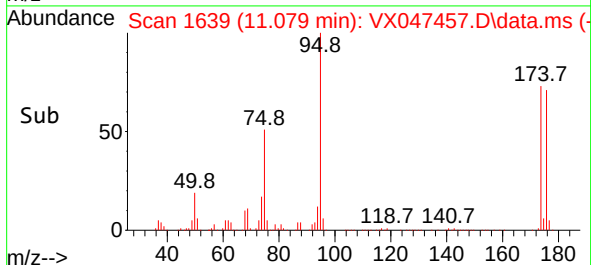
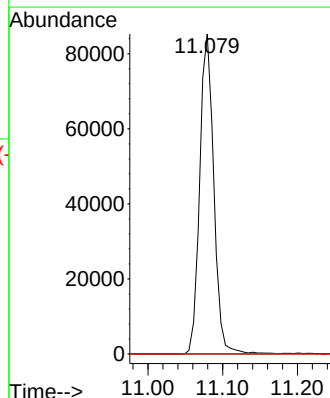
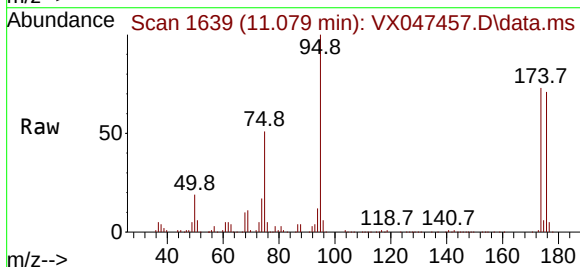
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

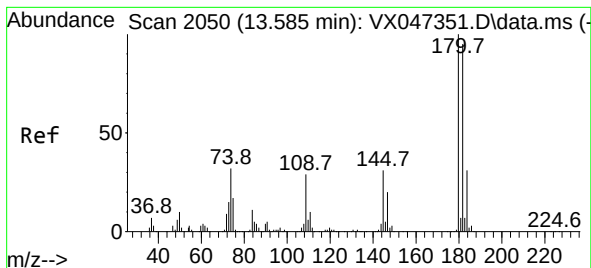
Tgt Ion: 75 Resp: 111519
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.910 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion: 75 Resp: 111519
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#





#93

1,2,4-Trichlorobenzene

Concen: 0.278 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX047457.D

Acq: 21 Aug 2025 10:24

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBL01

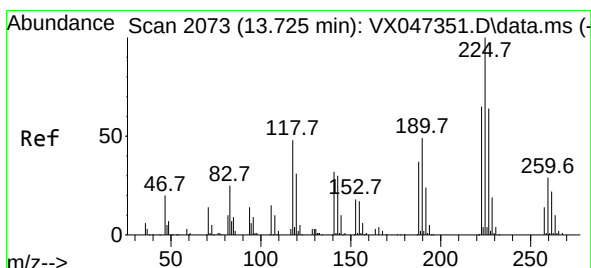
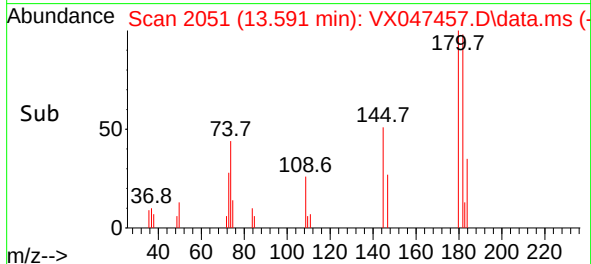
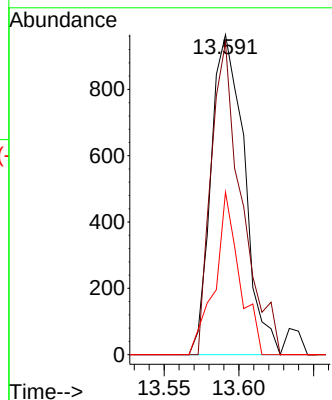
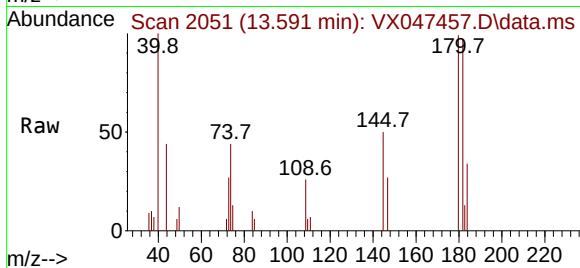
Tgt Ion:180 Resp: 1495

Ion Ratio Lower Upper

180 100

182 89.6 48.1 144.4

145 37.6 16.2 48.5



#94

Hexachlorobutadiene

Concen: 0.804 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX047457.D

Acq: 21 Aug 2025 10:24

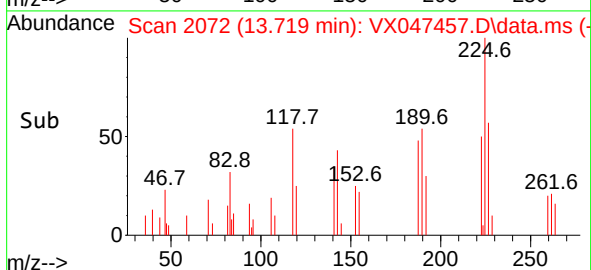
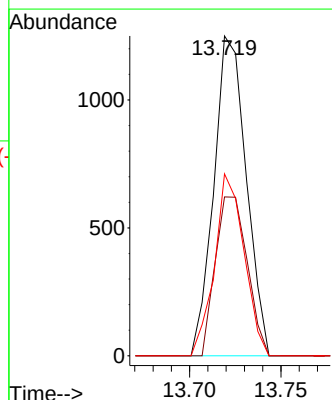
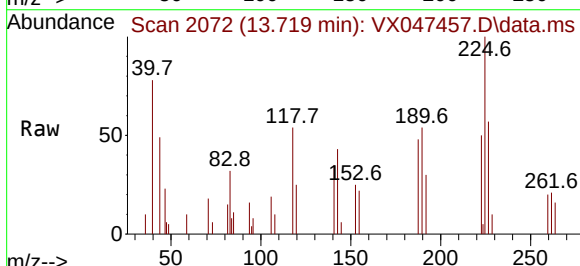
Tgt Ion:225 Resp: 1542

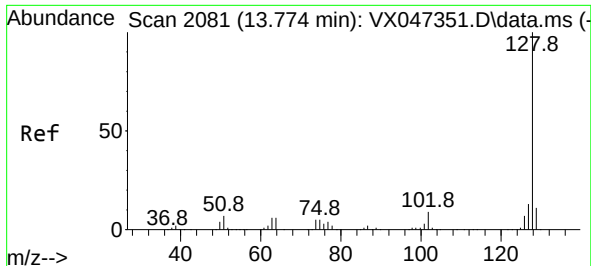
Ion Ratio Lower Upper

225 100

223 48.9 32.2 96.6

227 51.8 31.6 95.0

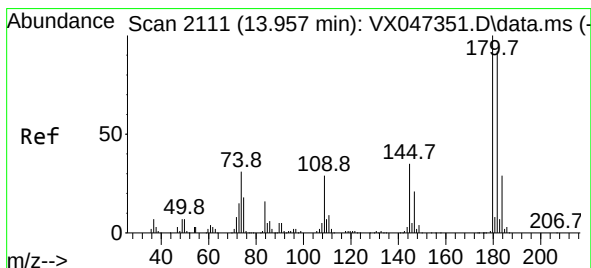
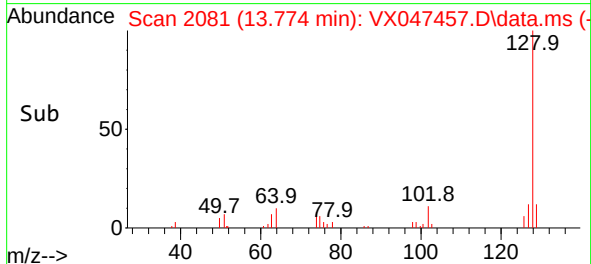
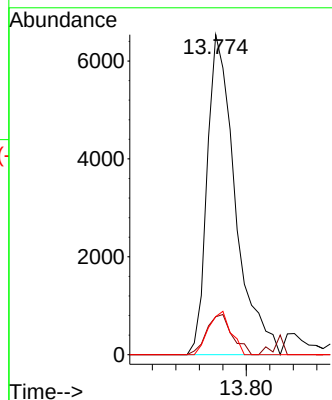
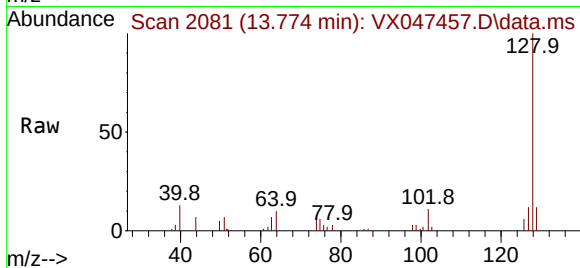




#95
Naphthalene
Concen: 0.704 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Tgt Ion:	128	Resp:	10835
Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.1	15.1
129	10.8	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.231 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion:	180	Resp:	1175
Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.0	144.2
145	34.6	17.4	52.2

