

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
 Data File : VX047486.D
 Acq On : 22 Aug 2025 10:53
 Operator : JC/MD
 Sample : VX0822WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBL01

Quant Time: Aug 25 01:24:11 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)

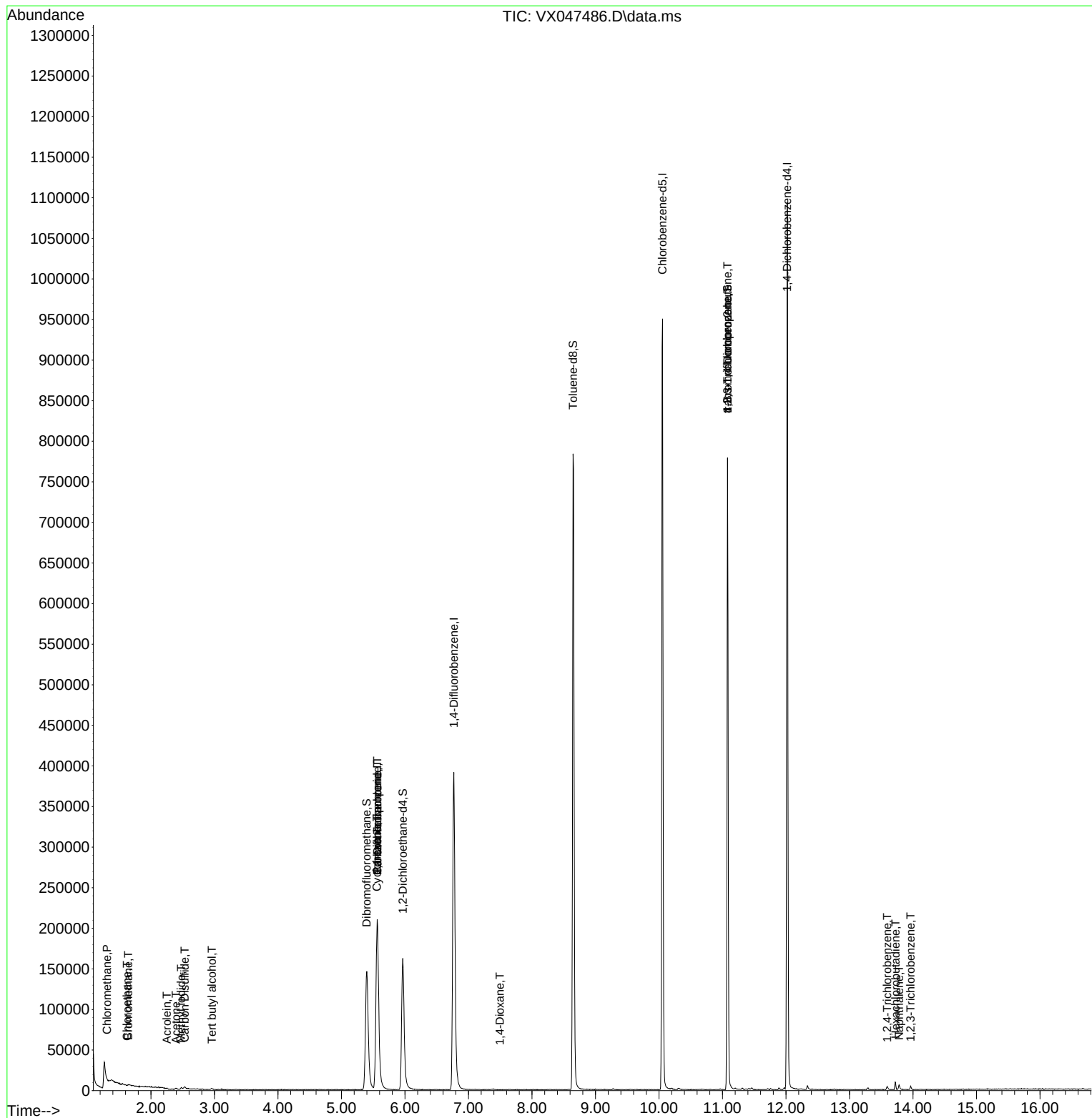
Internal Standards						
1) Pentafluorobenzene	5.562	168	210866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	425323	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	433100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	221983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	170925	57.918	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.840%			
35) Dibromofluoromethane	5.397	113	139968	50.706	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.420%			
50) Toluene-d8	8.647	98	486341	49.293	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.580%			
62) 4-Bromofluorobenzene	11.079	95	205709	56.500	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.000%			
Target Compounds						Qvalue
3) Chloromethane	1.307	50	628	0.260	ug/l #	88
5) Bromomethane	1.642	94	302	0.246	ug/l #	79
6) Chloroethane	1.624	64	735	0.396	ug/l #	55
10) Methyl Iodide	2.477	142	4533	1.016	ug/l	98
11) Tert butyl alcohol	2.959	59	123	0.479	ug/l #	72
13) Acrolein	2.252	56	156	0.288	ug/l #	1
16) Acetone	2.392	43	1873	1.688	ug/l	97
17) Carbon Disulfide	2.532	76	3677	0.459	ug/l #	93
31) Cyclohexane	5.556	56	4423	0.931	ug/l #	9
36) 1,1-Dichloropropene	5.562	75	17505	4.017	ug/l #	47
38) Carbon Tetrachloride	5.562	117	22348	4.693	ug/l #	14
49) 1,4-Dioxane	7.495	88	49	1.494	ug/l #	33
76) 1,2,3-Trichloropropane	11.079	75	106227	26.091	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	106227	103.438	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.591	180	1375	0.267	ug/l	98
94) Hexachlorobutadiene	13.725	225	1329	0.724	ug/l	94
95) Naphthalene	13.780	128	5167	0.351	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	1265	0.260	ug/l	96

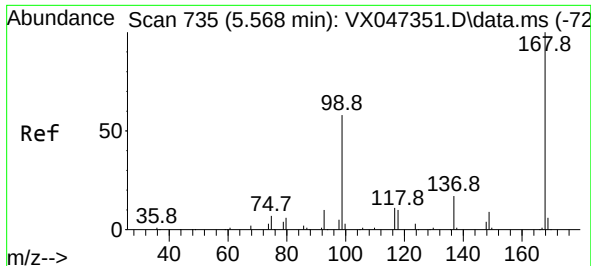
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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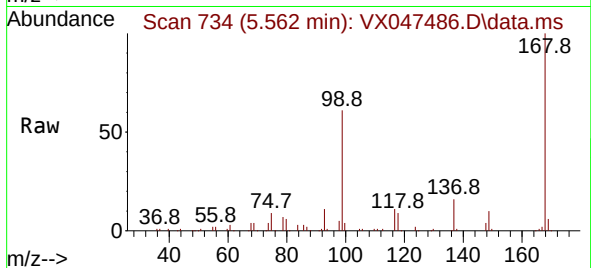
Quant Time: Aug 25 01:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



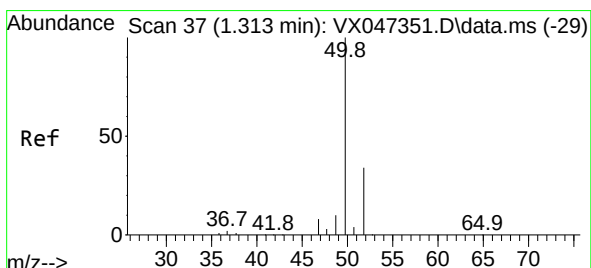
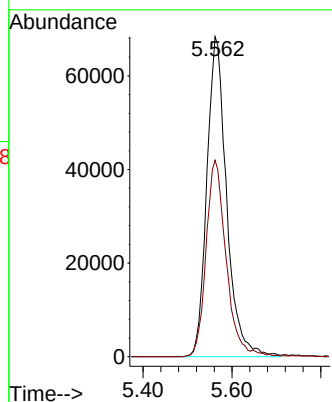
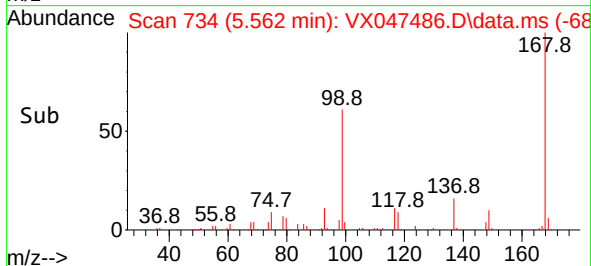


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

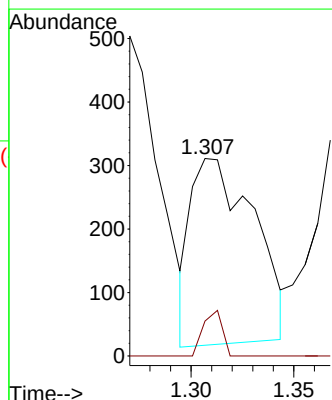
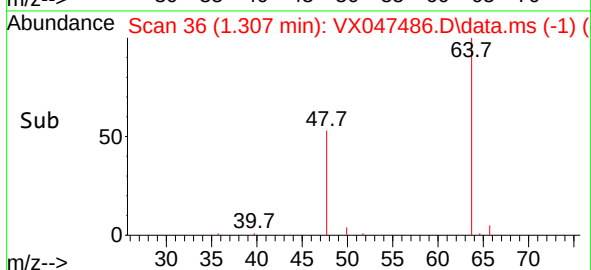
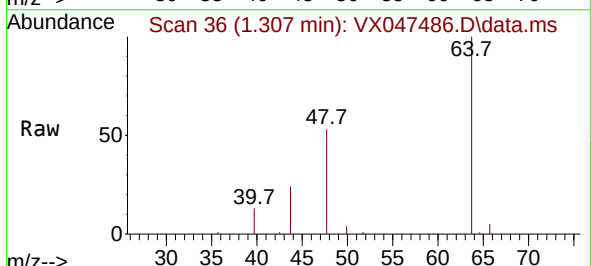


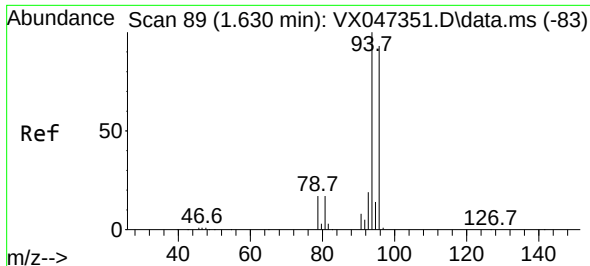
Tgt Ion:168 Resp: 210866
Ion Ratio Lower Upper
168 100
99 61.4 47.9 71.9



#3
Chloromethane
Concen: 0.260 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.006 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion: 50 Resp: 628
Ion Ratio Lower Upper
50 100
52 26.6 27.0 40.4#

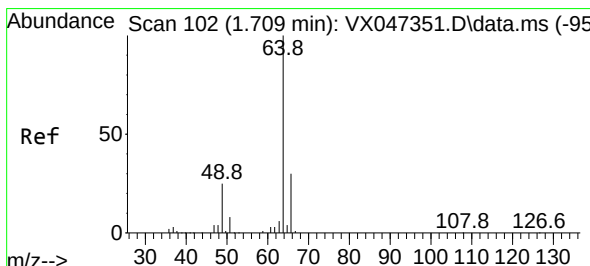
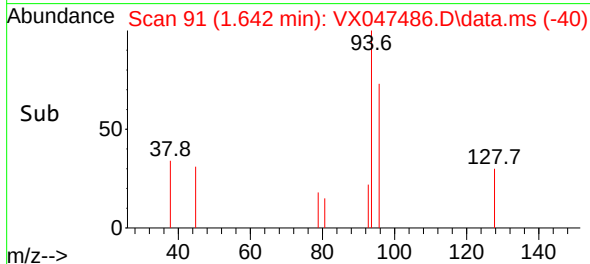
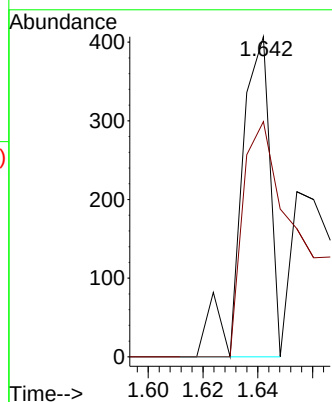
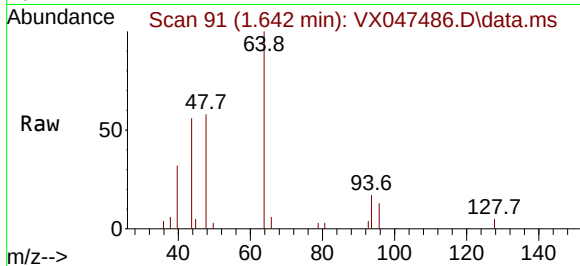




#5
Bromomethane
Concen: 0.246 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

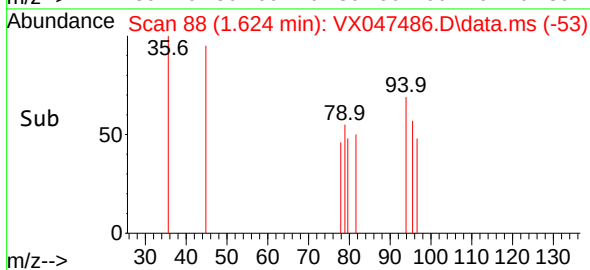
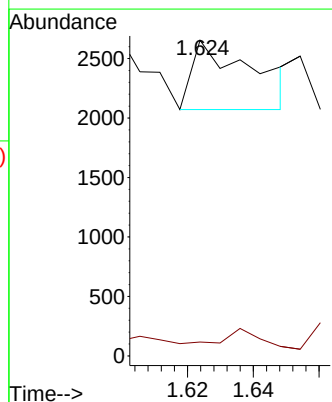
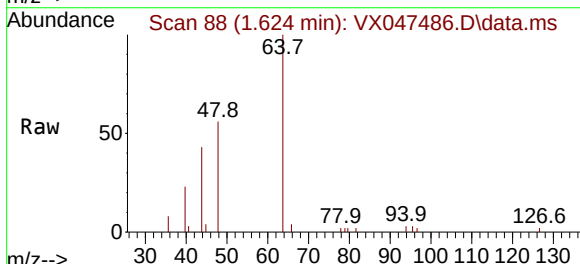
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

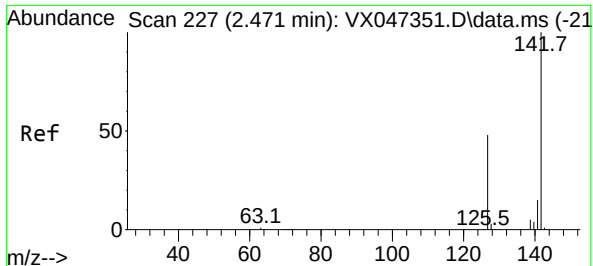
Tgt Ion: 94 Resp: 302
Ion Ratio Lower Upper
94 100
96 73.5 74.7 112.1#



#6
Chloroethane
Concen: 0.396 ug/l
RT: 1.624 min Scan# 88
Delta R.T. -0.085 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion: 64 Resp: 735
Ion Ratio Lower Upper
64 100
66 6.2 24.4 36.6#

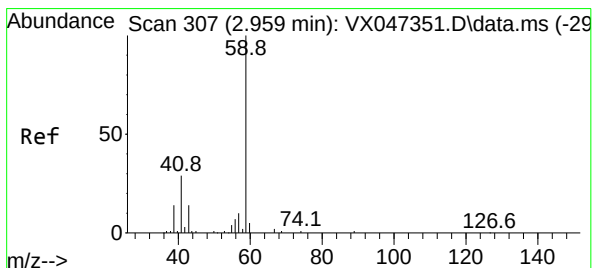
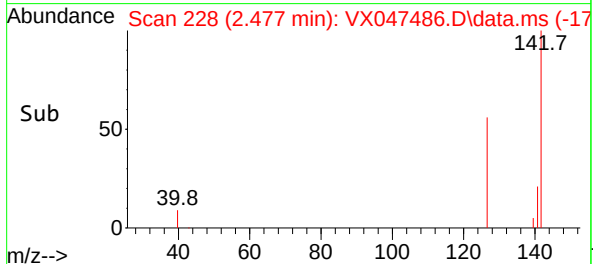
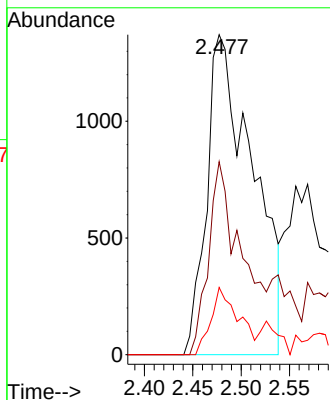
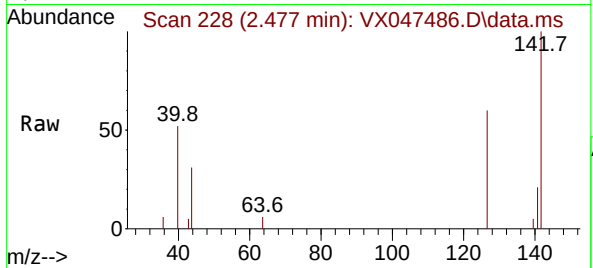




#10
Methyl Iodide
Concen: 1.016 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

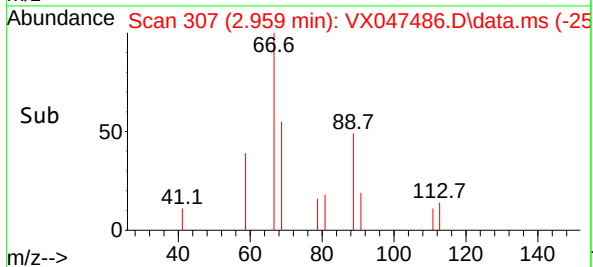
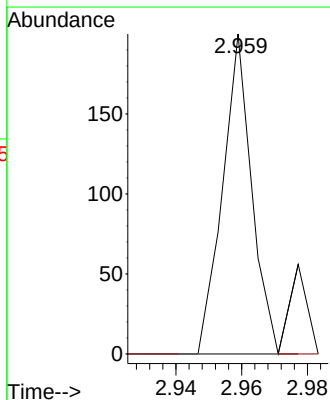
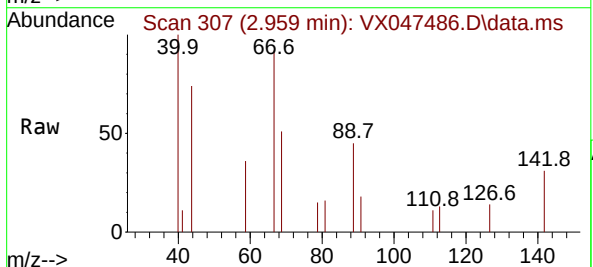
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

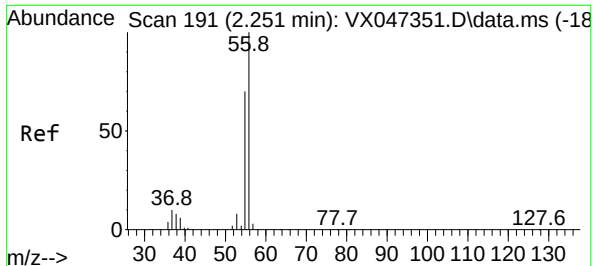
Tgt Ion:142 Resp: 4533
Ion Ratio Lower Upper
142 100
127 44.4 36.1 54.1
141 12.7 11.1 16.7



#11
Tert butyl alcohol
Concen: 0.479 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion: 59 Resp: 123
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

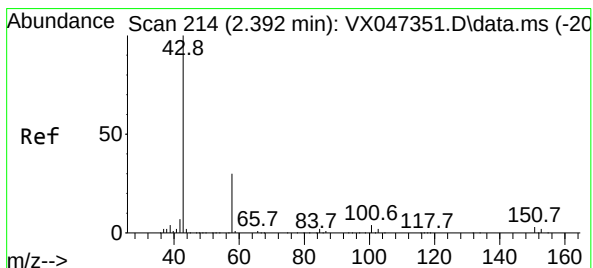
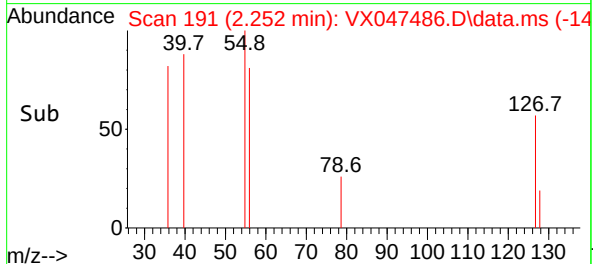
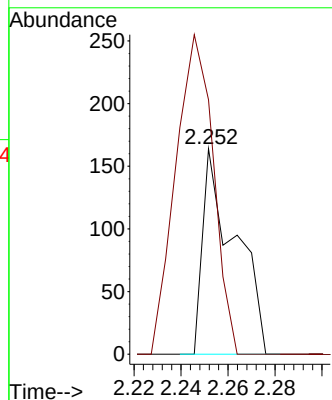
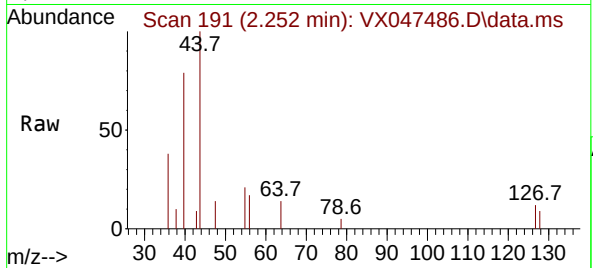




#13
Acrolein
Concen: 0.288 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

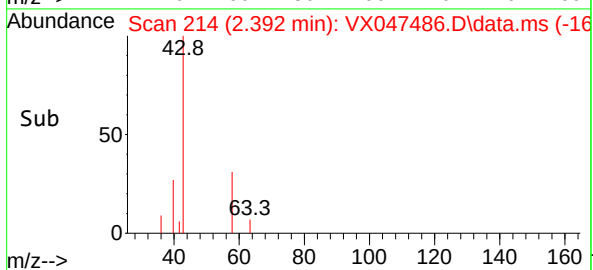
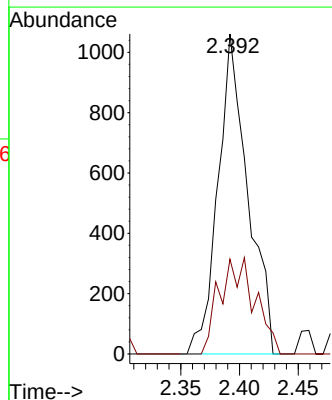
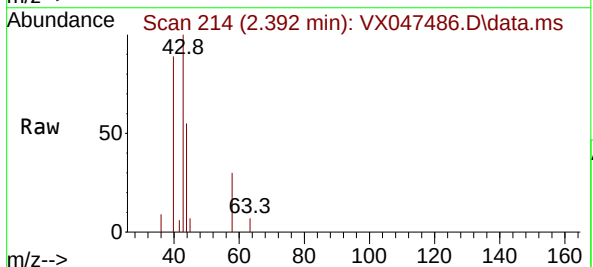
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

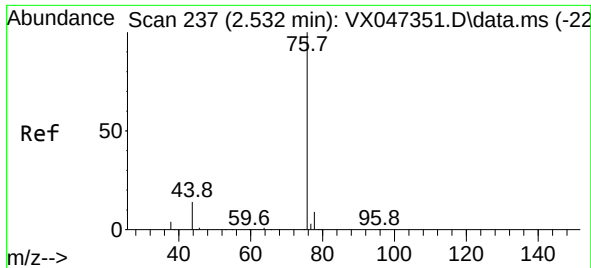
Tgt Ion: 56 Resp: 156
Ion Ratio Lower Upper
56 100
55 182.1 55.5 83.3#



#16
Acetone
Concen: 1.688 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion: 43 Resp: 1873
Ion Ratio Lower Upper
43 100
58 29.6 24.8 37.2

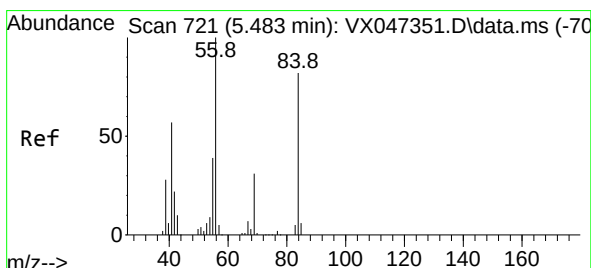
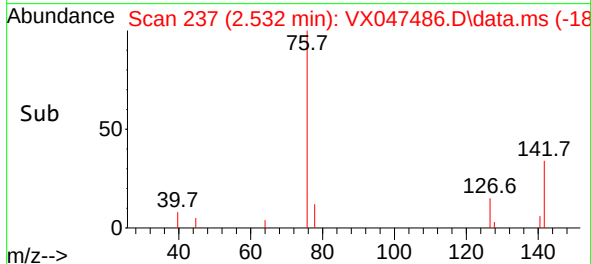
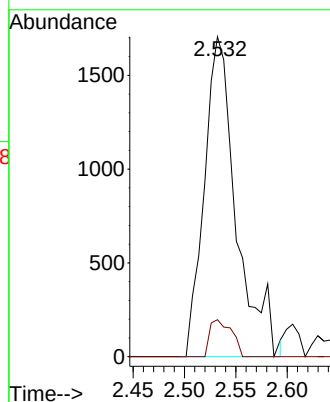
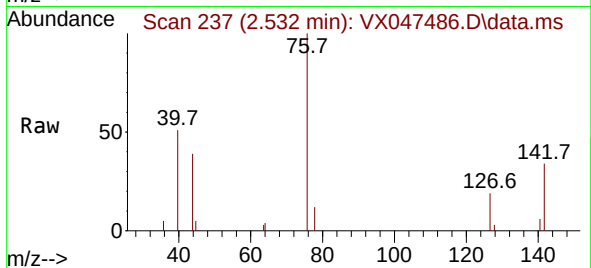




#17
Carbon Disulfide
Concen: 0.459 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

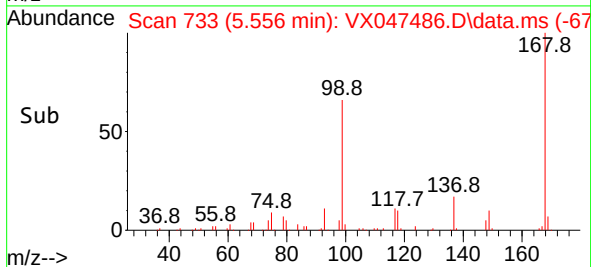
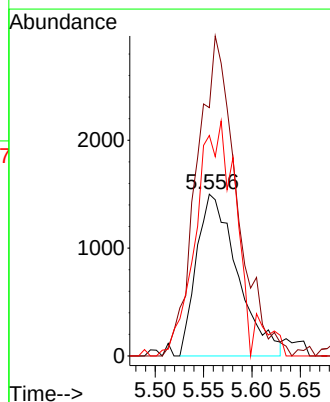
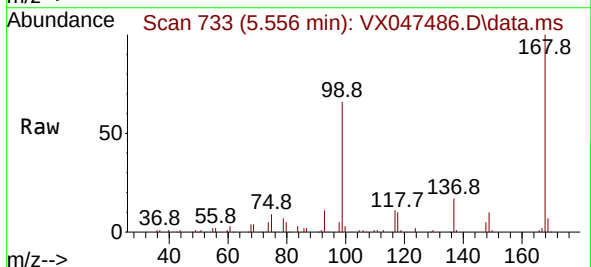
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

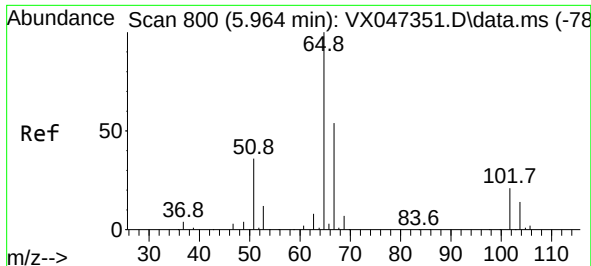
Tgt Ion: 76 Resp: 3677
Ion Ratio Lower Upper
76 100
78 11.5 7.2 10.8#



#31
Cyclohexane
Concen: 0.931 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion: 56 Resp: 4423
Ion Ratio Lower Upper
56 100
69 145.2 24.3 36.5#
84 123.6 65.3 97.9#

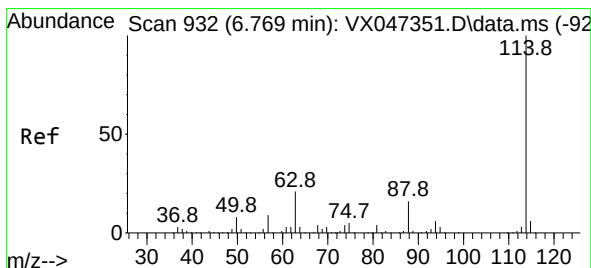
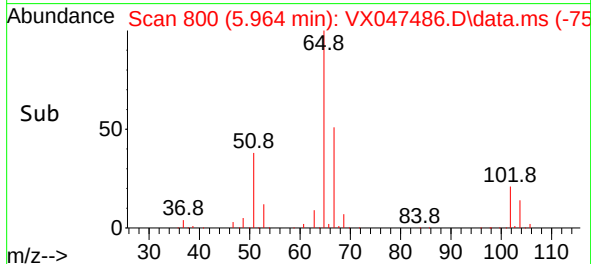
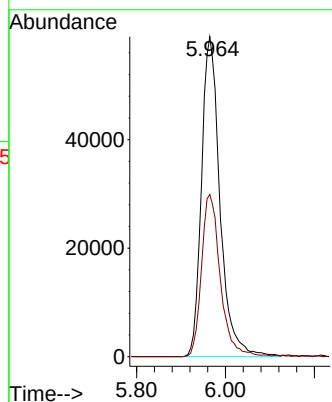
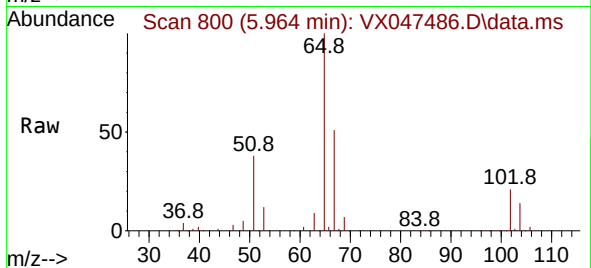




#33
 1,2-Dichloroethane-d4
 Concen: 57.918 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047486.D
 Acq: 22 Aug 2025 10:53

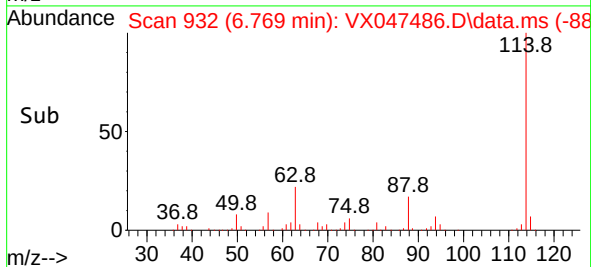
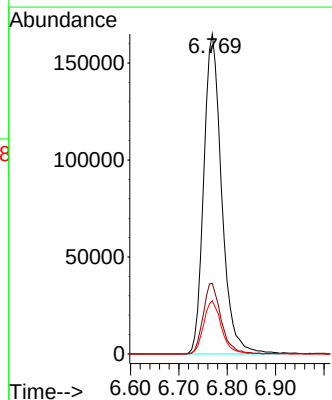
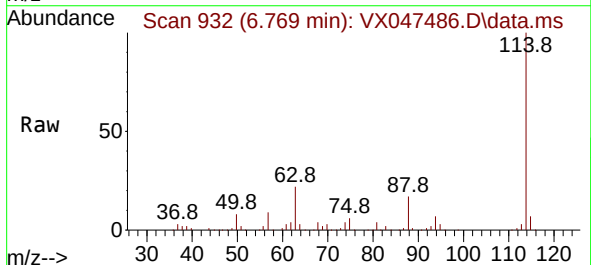
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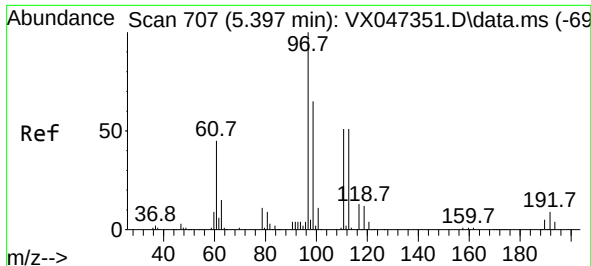
Tgt Ion: 65 Resp: 170925
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047486.D
 Acq: 22 Aug 2025 10:53

Tgt Ion: 114 Resp: 425323
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 42.4
 88 16.6 0.0 33.0

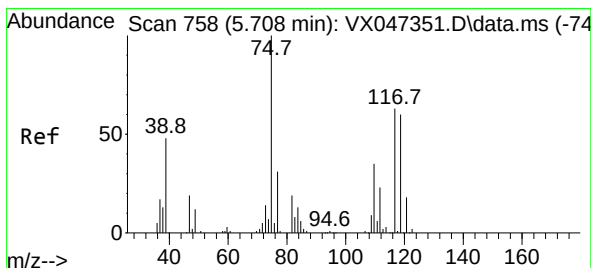
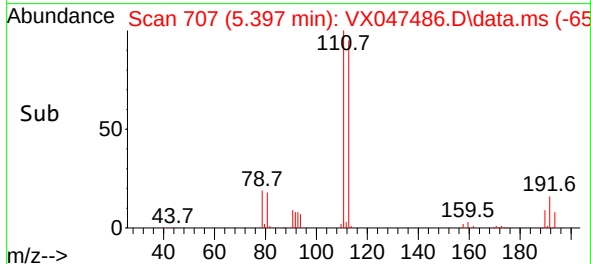
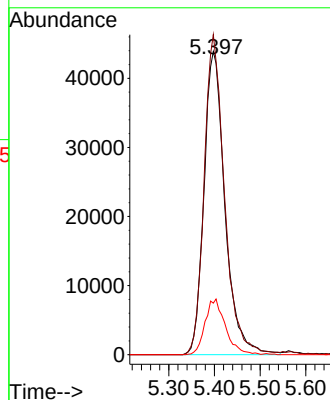
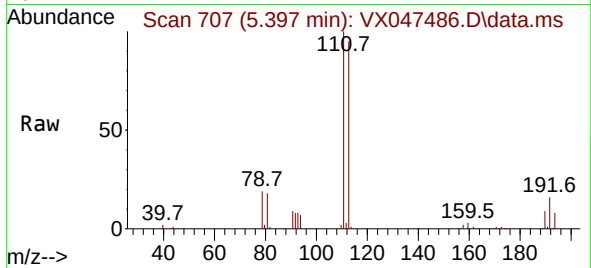




#35
Dibromofluoromethane
Concen: 50.706 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

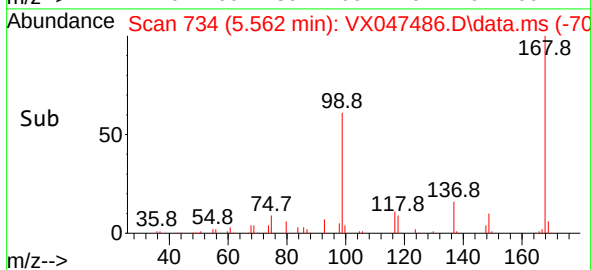
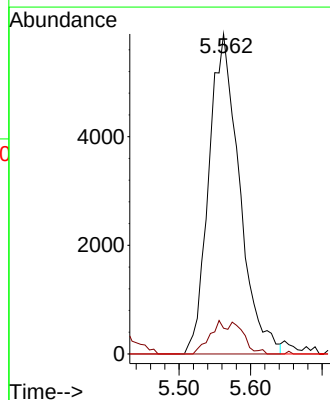
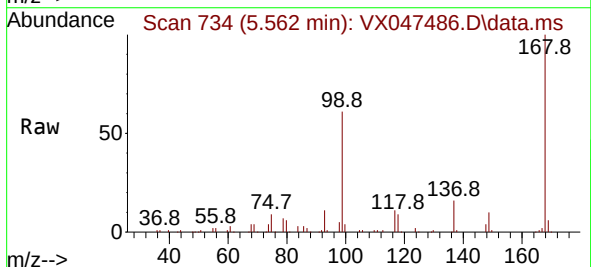
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

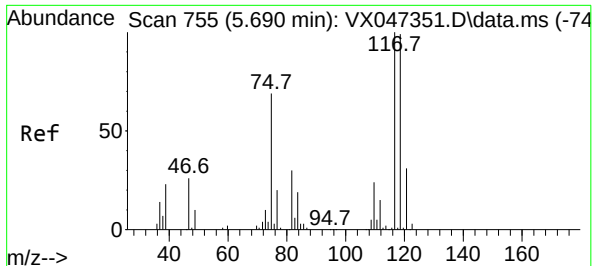
Tgt Ion:113 Resp: 139968
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.2
192 17.9 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.017 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.146 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

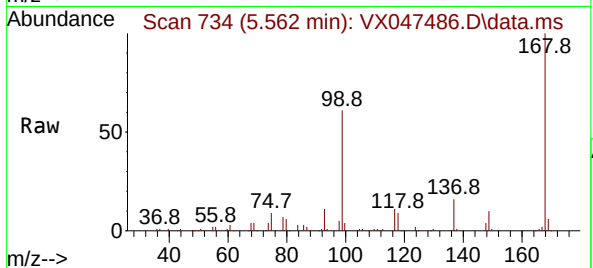
Tgt Ion: 75 Resp: 17505
Ion Ratio Lower Upper
75 100
110 5.8 17.4 52.2#
77 0.0 24.4 36.6#



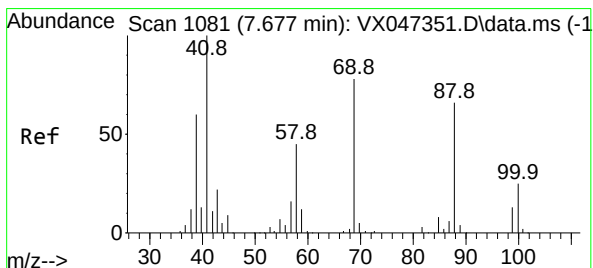
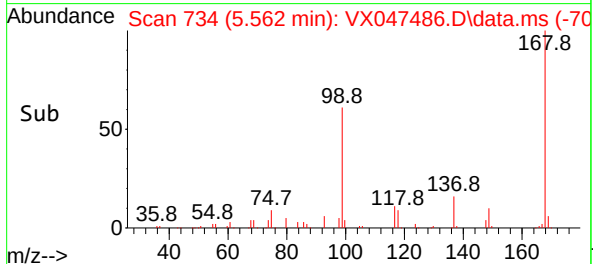
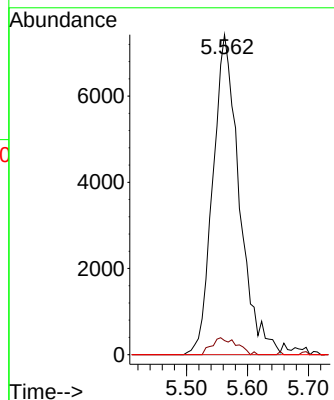


#38
Carbon Tetrachloride
Concen: 4.693 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

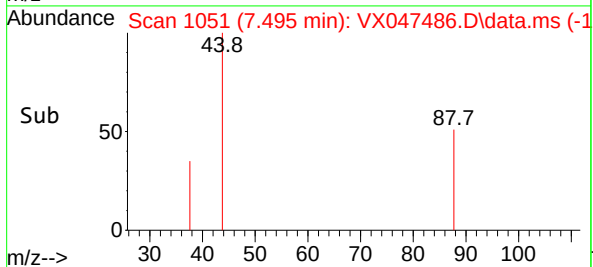
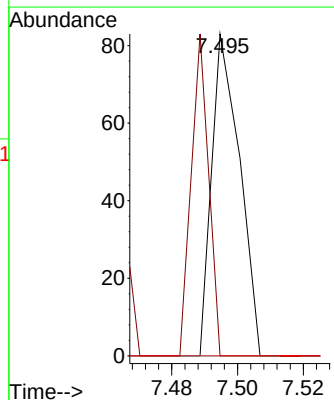
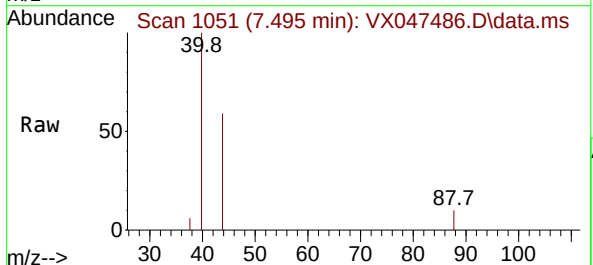


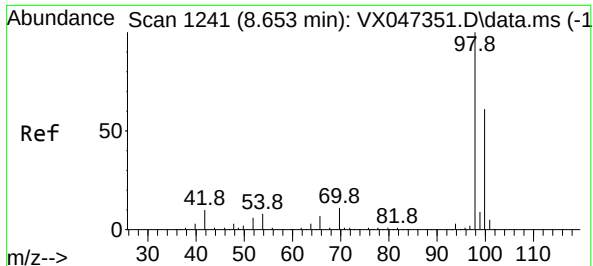
Tgt Ion:117 Resp: 22348
Ion Ratio Lower Upper
117 100
119 4.4 78.5 117.7#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 1.494 ug/l
RT: 7.495 min Scan# 1051
Delta R.T. -0.183 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 61.2 32.4 48.6#
58 0.0 56.9 85.3#

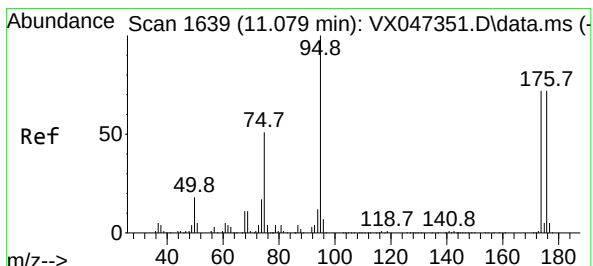
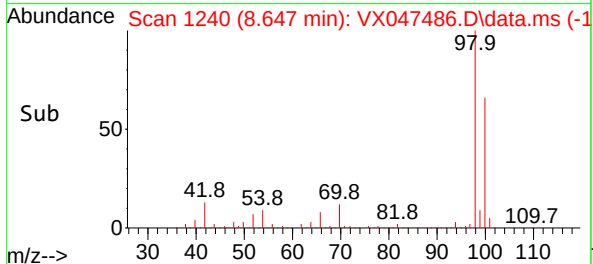
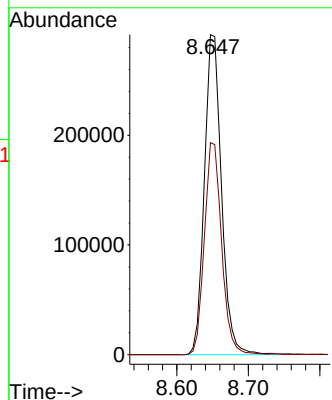
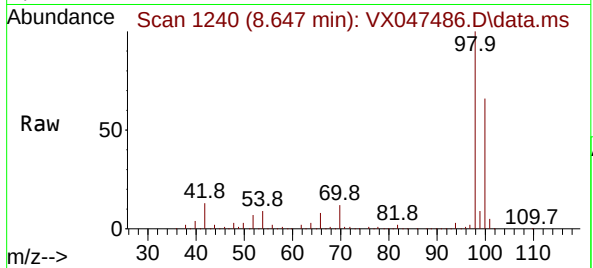




#50
Toluene-d8
Concen: 49.293 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

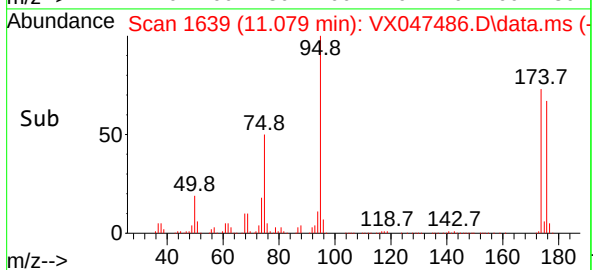
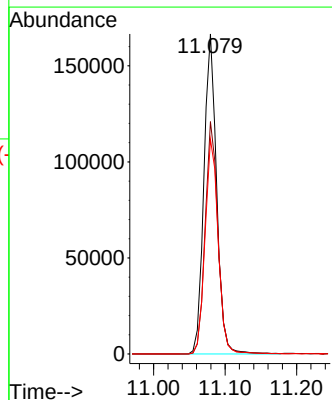
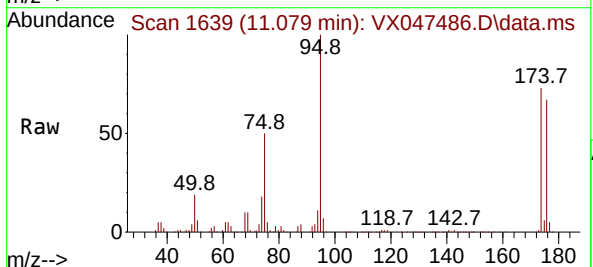
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

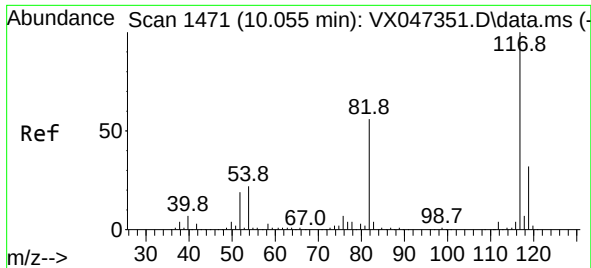
Tgt Ion: 98 Resp: 486341
Ion Ratio Lower Upper
98 100
100 66.6 53.9 80.9



#62
4-Bromofluorobenzene
Concen: 56.500 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion: 95 Resp: 205709
Ion Ratio Lower Upper
95 100
174 73.3 0.0 148.0
176 69.6 0.0 145.4

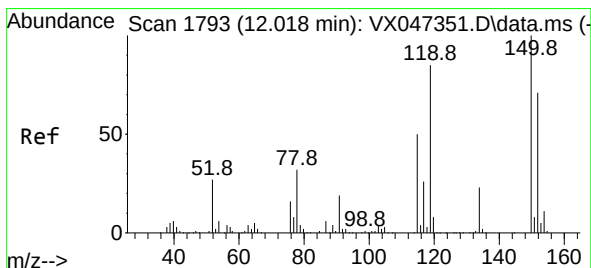
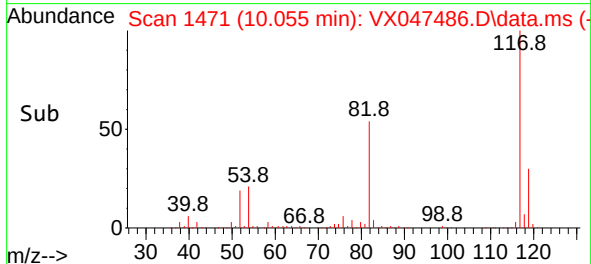
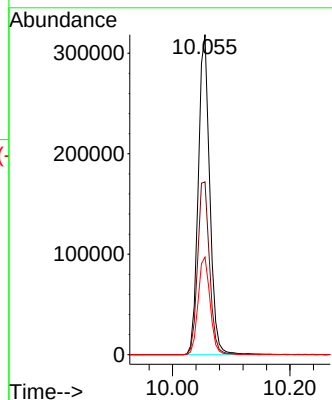
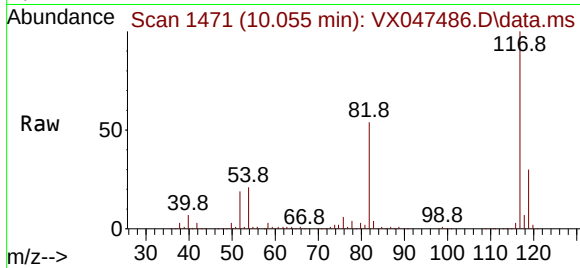




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

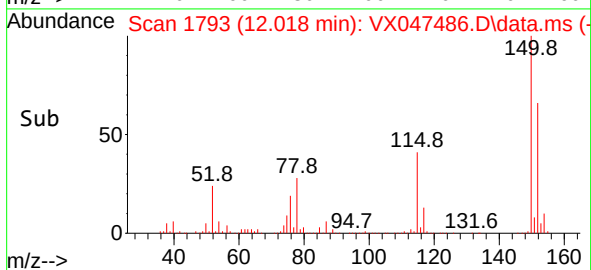
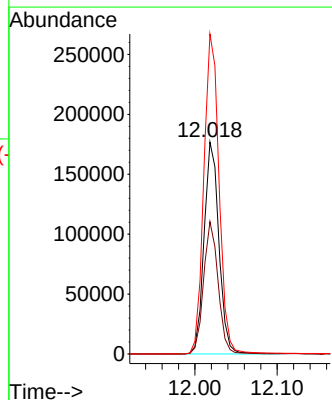
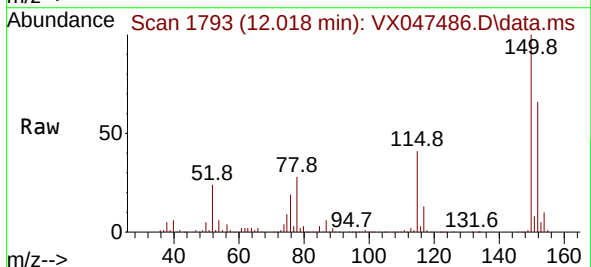
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

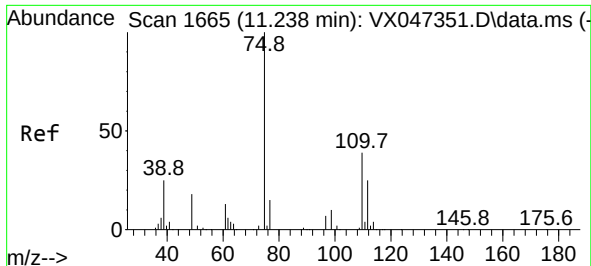
Tgt Ion:117 Resp: 433100
Ion Ratio Lower Upper
117 100
82 54.0 45.0 67.4
119 30.5 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion:152 Resp: 221983
Ion Ratio Lower Upper
152 100
115 61.4 44.6 133.8
150 155.9 0.0 349.8

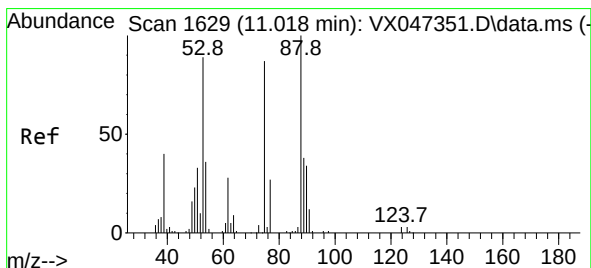
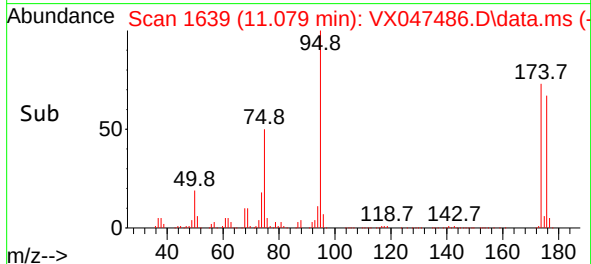
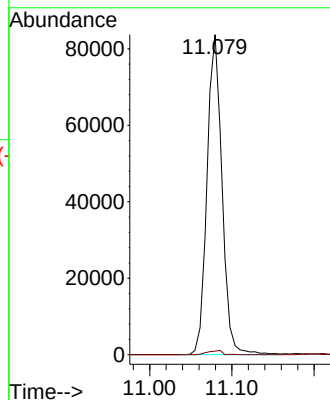
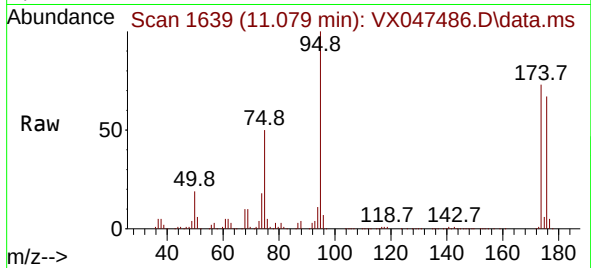




#76
1,2,3-Trichloropropane
Concen: 26.091 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

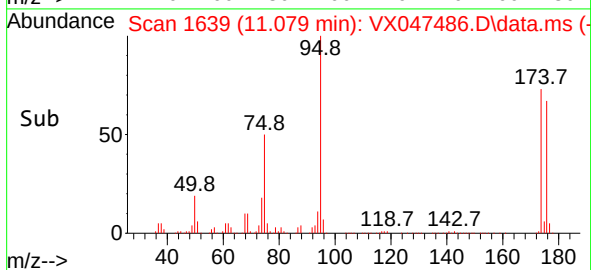
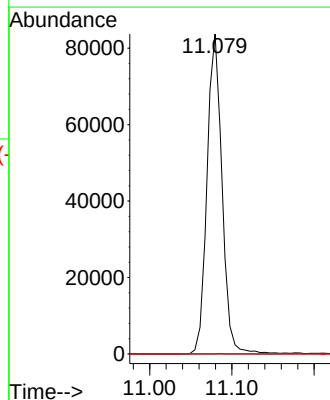
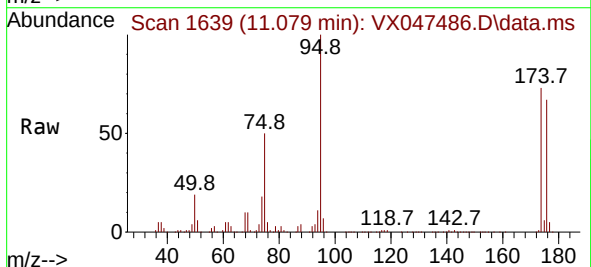
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

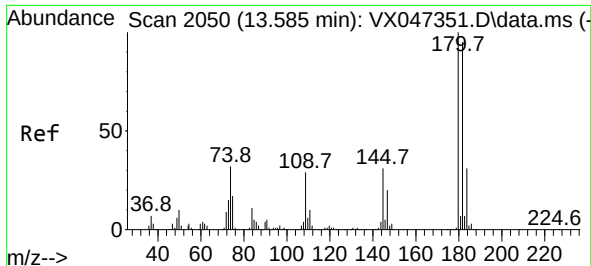
Tgt Ion: 75 Resp: 106227
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.438 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion: 75 Resp: 106227
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#

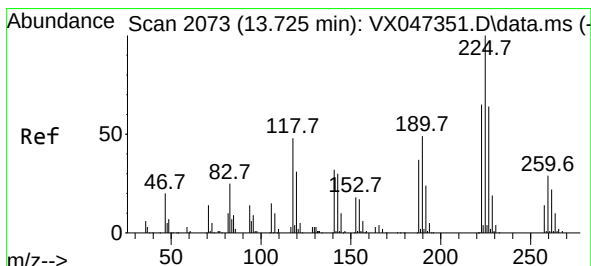
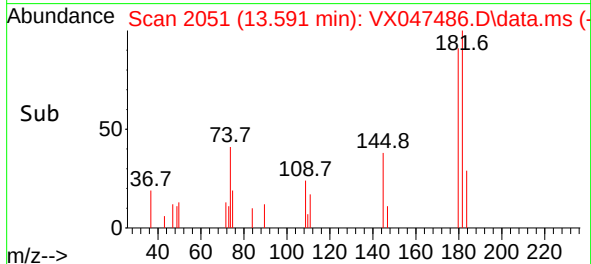
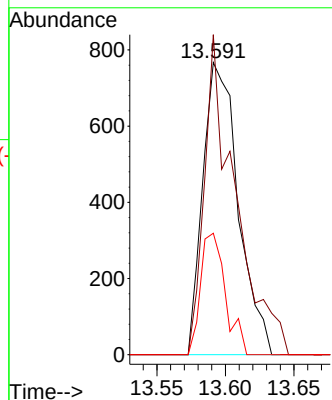
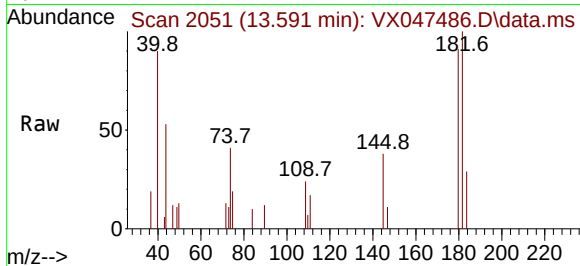




#93
1,2,4-Trichlorobenzene
Concen: 0.267 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

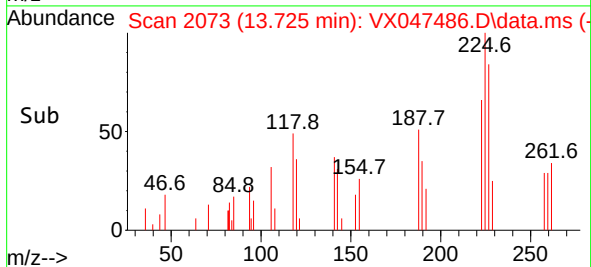
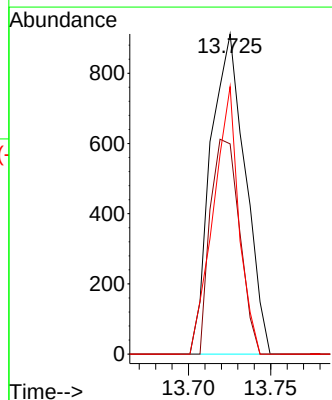
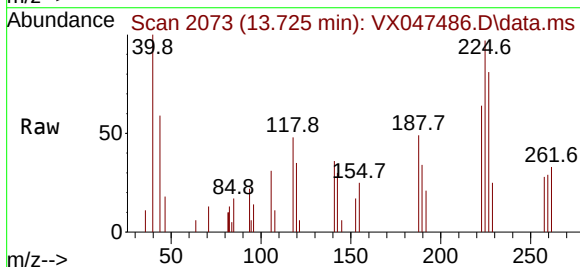
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

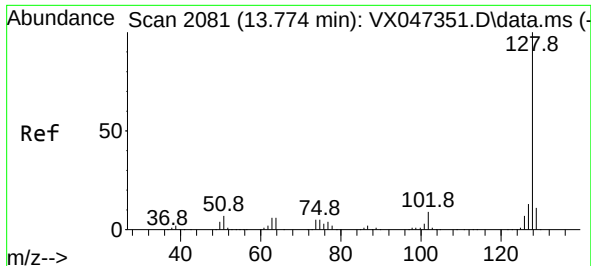
Tgt Ion:180 Resp: 1375
Ion Ratio Lower Upper
180 100
182 95.9 48.1 144.4
145 29.3 16.2 48.5



#94
Hexachlorobutadiene
Concen: 0.724 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion:225 Resp: 1329
Ion Ratio Lower Upper
225 100
223 57.0 32.2 96.6
227 62.0 31.6 95.0

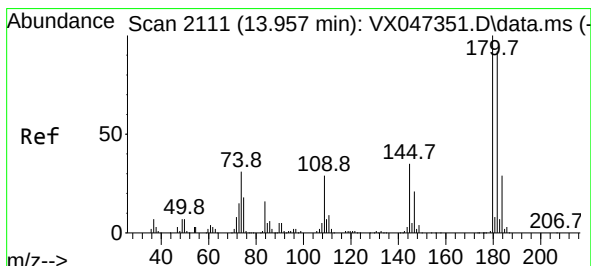
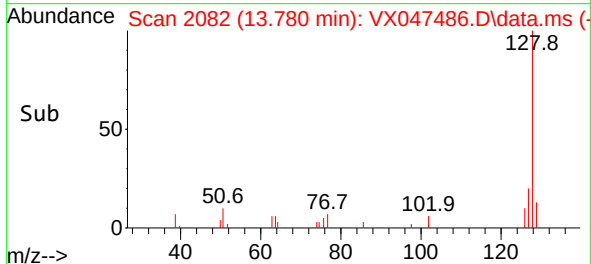
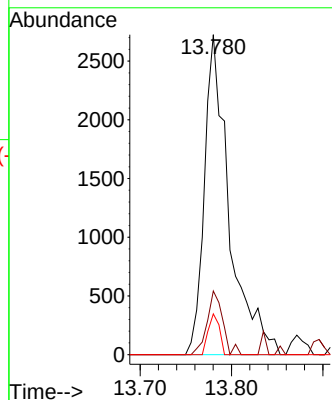
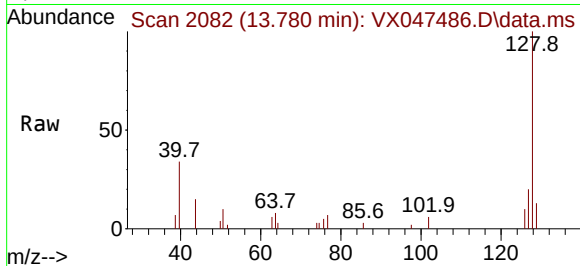




#95
Naphthalene
Concen: 0.351 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Tgt Ion:128 Resp: 5167
Ion Ratio Lower Upper
128 100
127 12.4 10.1 15.1
129 5.7 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.260 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion:180 Resp: 1265
Ion Ratio Lower Upper
180 100
182 100.3 48.0 144.2
145 33.7 17.4 52.2

