

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
 Data File : VX047466.D
 Acq On : 21 Aug 2025 13:46
 Operator : JC/MD
 Sample : Q2900-08RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-081825

Quant Time: Aug 22 03:45:34 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)

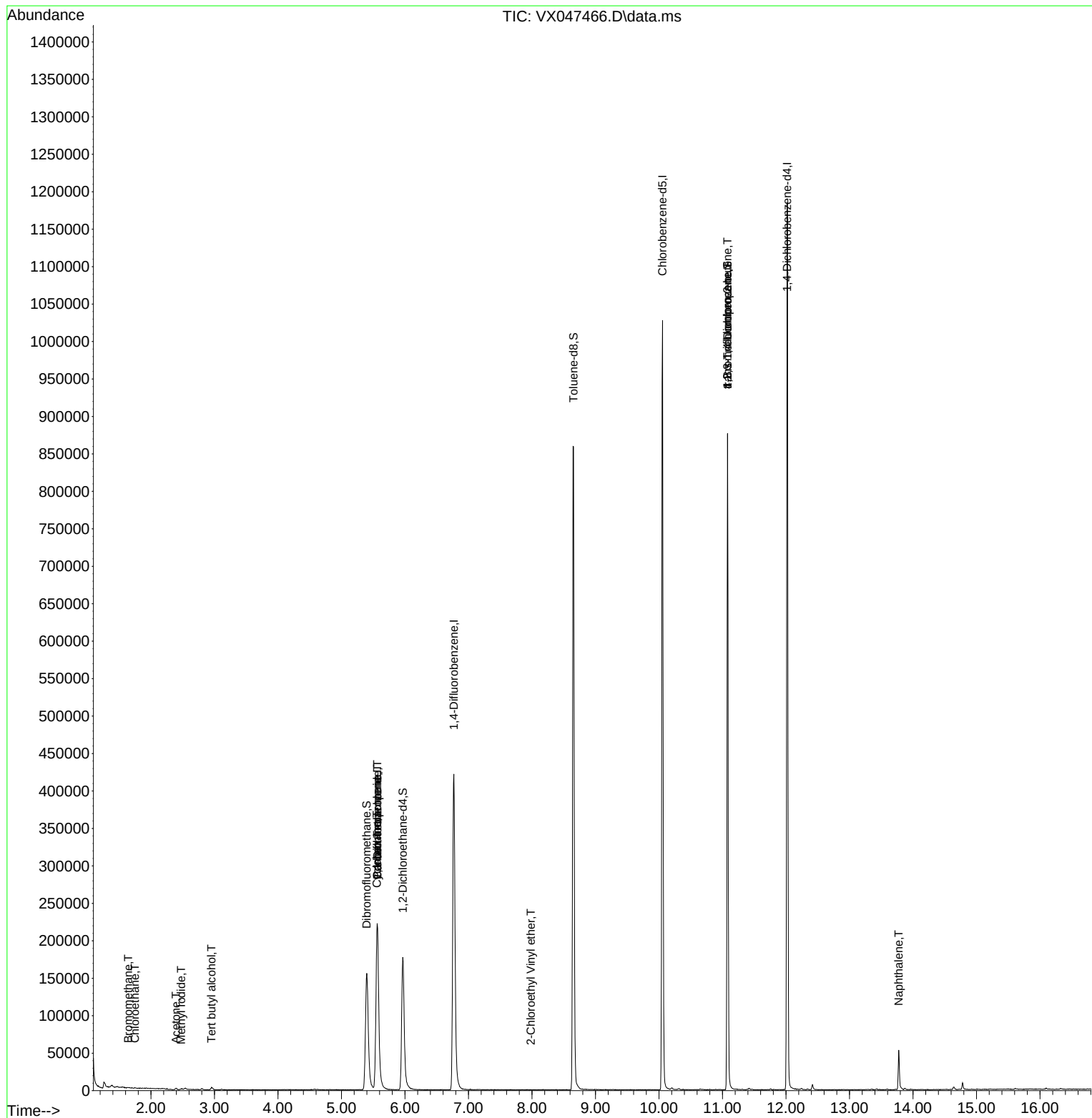
Internal Standards						
1) Pentafluorobenzene	5.562	168	223325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	459689	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	461078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	239770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	187391	59.955	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 119.920%#	
35) Dibromofluoromethane	5.398	113	150402	50.413	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.820%	
50) Toluene-d8	8.653	98	535761	50.242	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.480%	
62) 4-Bromofluorobenzene	11.079	95	226877	57.655	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 115.320%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	318	0.245	ug/l	83
6) Chloroethane	1.746	64	397	0.202	ug/l #	73
10) Methyl Iodide	2.477	142	1937	0.410	ug/l #	43
11) Tert butyl alcohol	2.953	59	1324	4.869	ug/l #	72
16) Acetone	2.392	43	2469	2.102	ug/l #	60
31) Cyclohexane	5.556	56	5360	1.066	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	19177	4.072	ug/l #	51
38) Carbon Tetrachloride	5.562	117	23534	4.573	ug/l #	15
58) 2-Chloroethyl Vinyl ether	7.982	63	28	8.367	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	117757	26.777	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	117757	105.952	ug/l #	7
95) Naphthalene	13.774	128	35743	2.246	ug/l	99

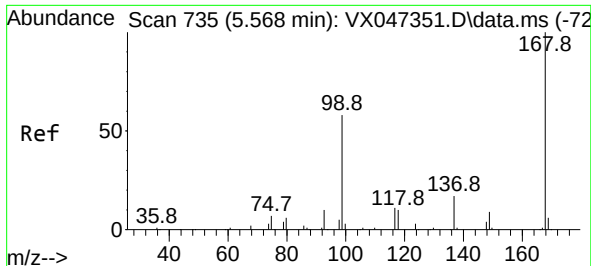
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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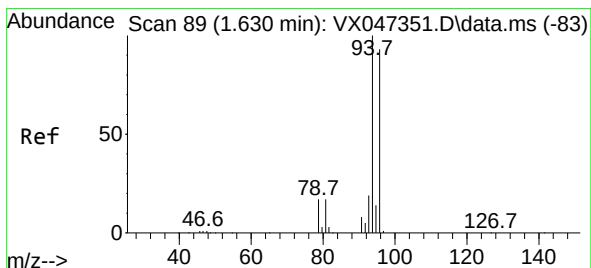
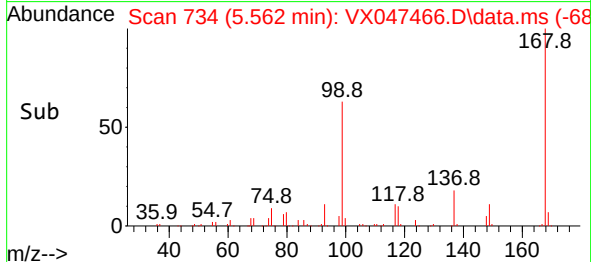
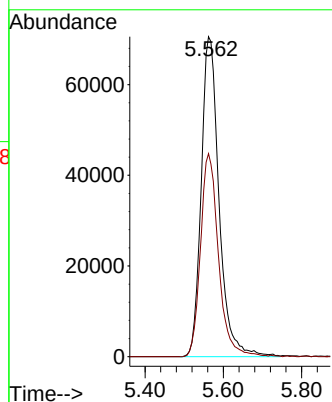
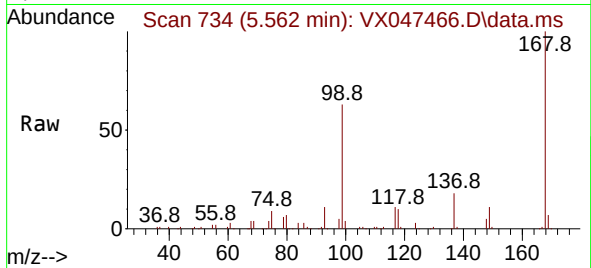




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

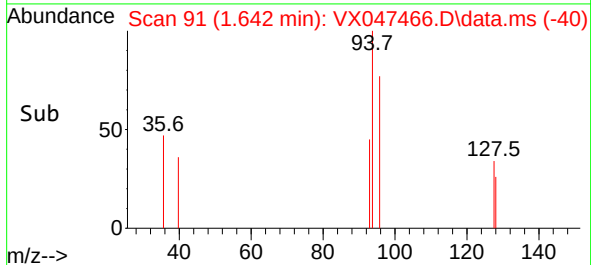
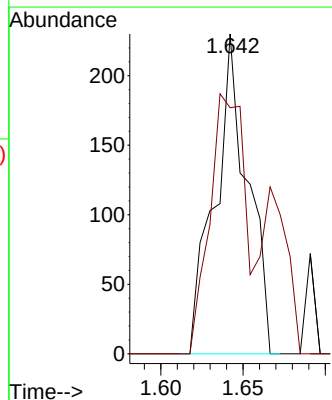
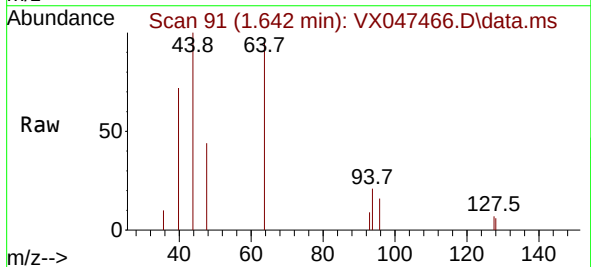
Instrument : MSVOA_X
ClientSampleId : TB-081825

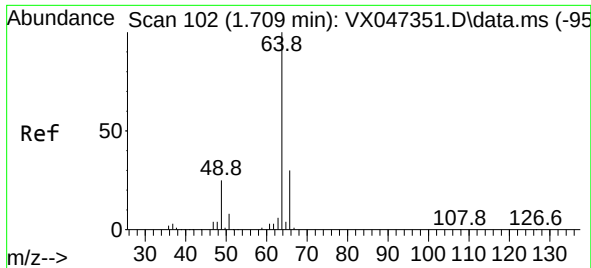
Tgt Ion:168 Resp: 223325
Ion Ratio Lower Upper
168 100
99 63.5 47.9 71.9



#5
Bromomethane
Concen: 0.245 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

Tgt Ion: 94 Resp: 318
Ion Ratio Lower Upper
94 100
96 77.0 74.7 112.1

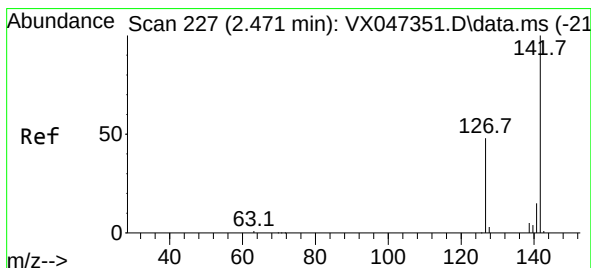
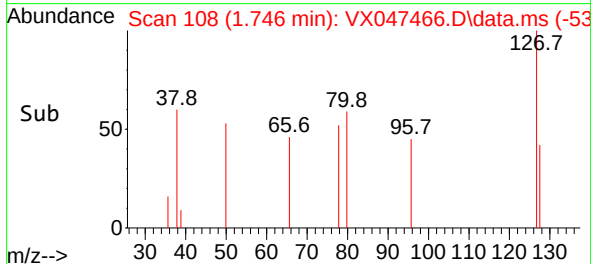
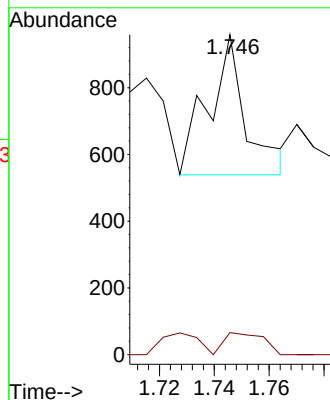
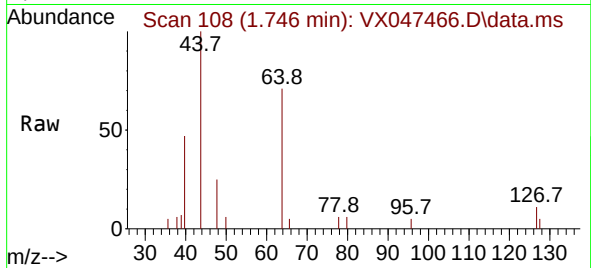




#6
Chloroethane
Concen: 0.202 ug/l
RT: 1.746 min Scan# 10
Delta R.T. 0.037 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

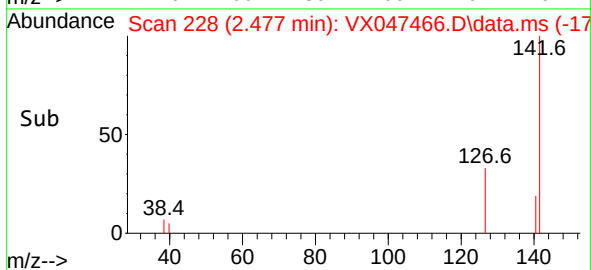
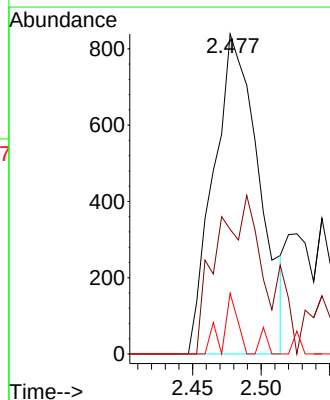
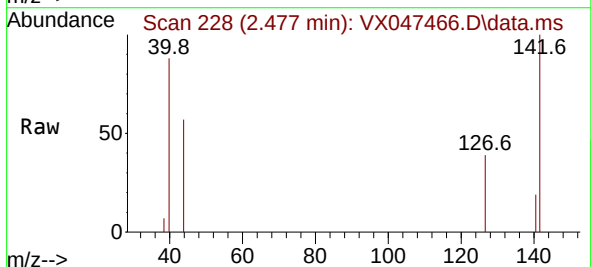
Instrument :
MSVOA_X
ClientSampleId :
TB-081825

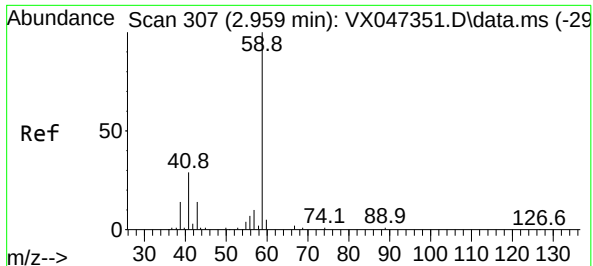
Tgt Ion: 64 Resp: 397
Ion Ratio Lower Upper
64 100
66 15.7 24.4 36.6#



#10
Methyl Iodide
Concen: 0.410 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

Tgt Ion:142 Resp: 1937
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 6.1 11.1 16.7#





#11

Tert butyl alcohol

Concen: 4.869 ug/l

RT: 2.953 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX047466.D

Acq: 21 Aug 2025 13:46

Instrument :

MSVOA_X

ClientSampleId :

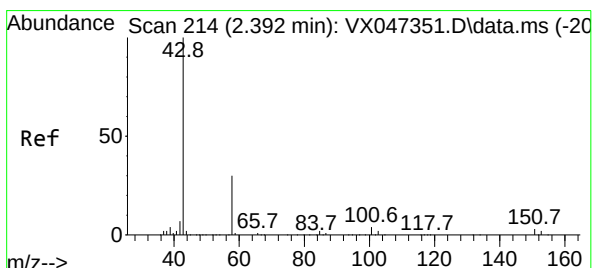
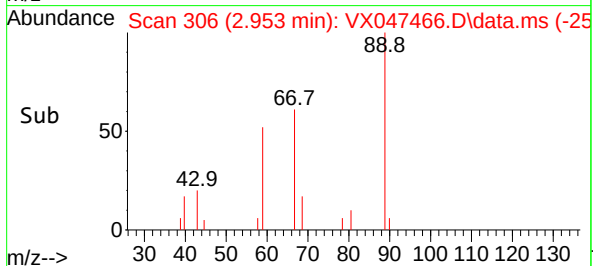
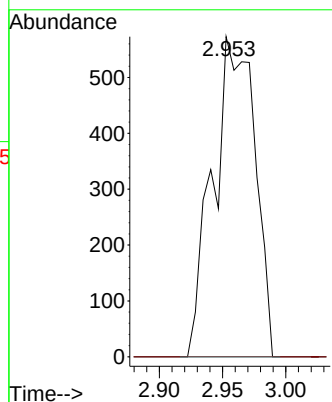
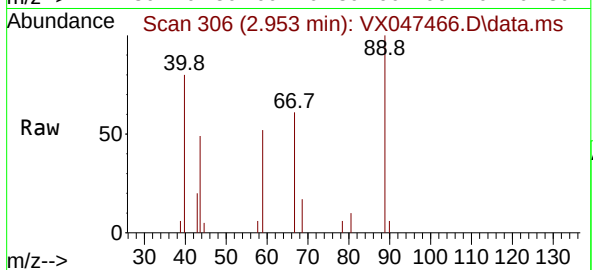
TB-081825

Tgt Ion: 59 Resp: 1324

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 2.102 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX047466.D

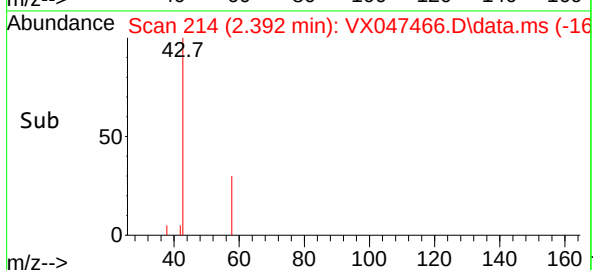
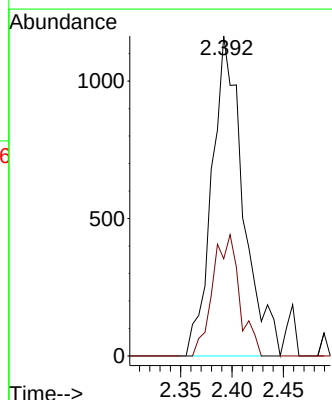
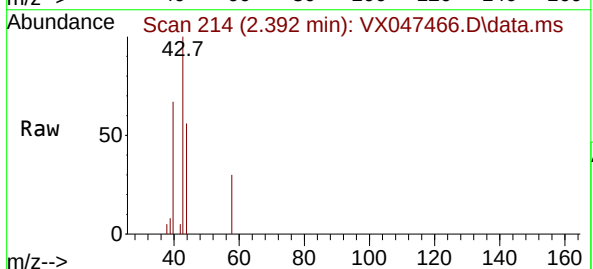
Acq: 21 Aug 2025 13:46

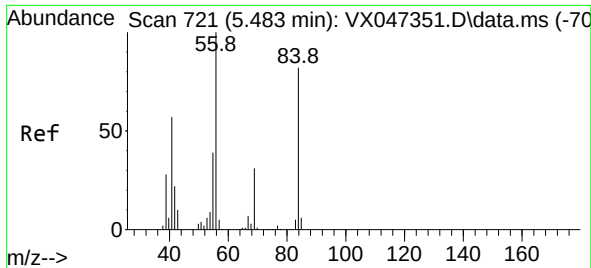
Tgt Ion: 43 Resp: 2469

Ion Ratio Lower Upper

43 100

58 53.1 24.8 37.2#

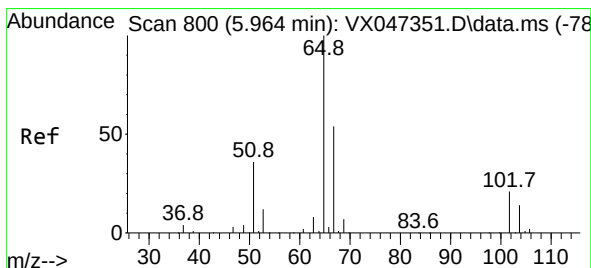
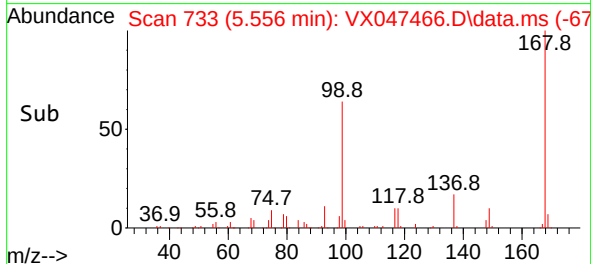
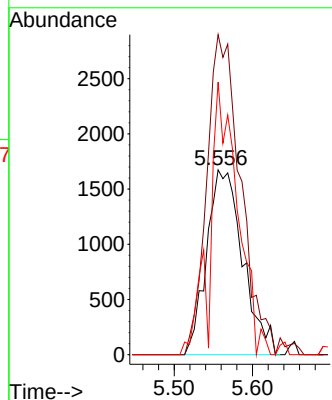
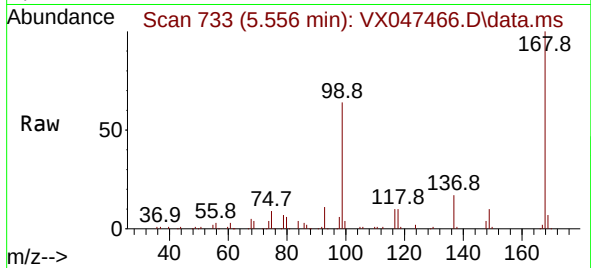




#31
Cyclohexane
Concen: 1.066 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

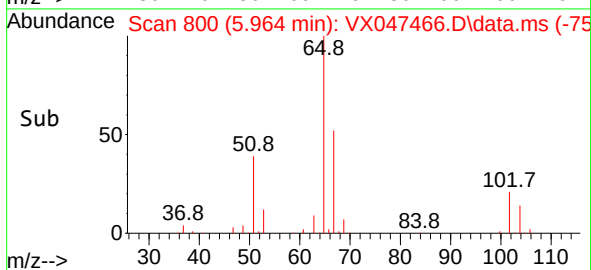
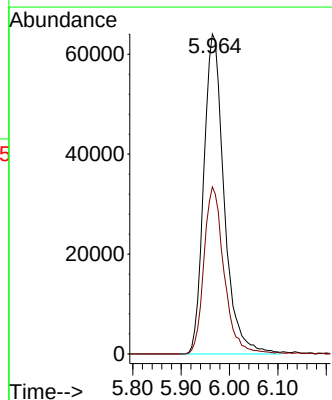
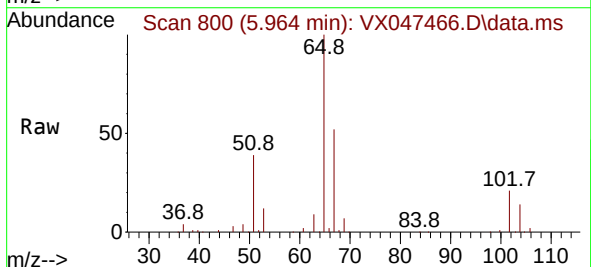
Instrument :
MSVOA_X
ClientSampleId :
TB-081825

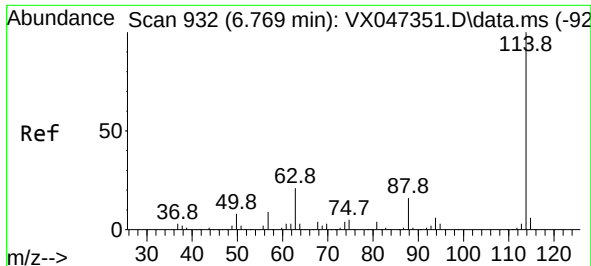
Tgt Ion: 56 Resp: 5360
Ion Ratio Lower Upper
56 100
69 165.5 24.3 36.5#
84 140.9 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 59.955 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

Tgt Ion: 65 Resp: 187391
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.0

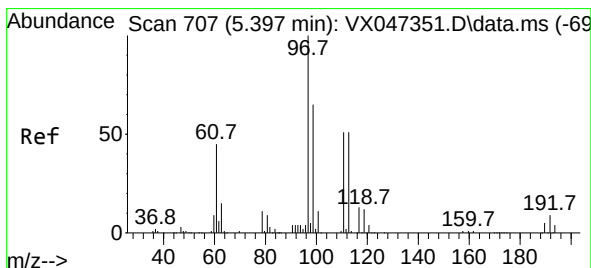
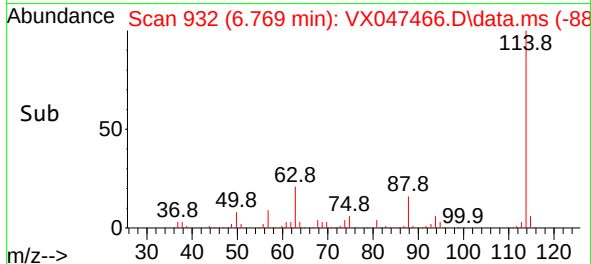
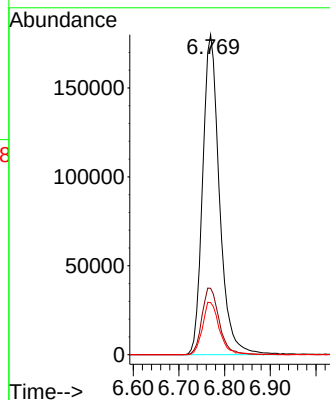
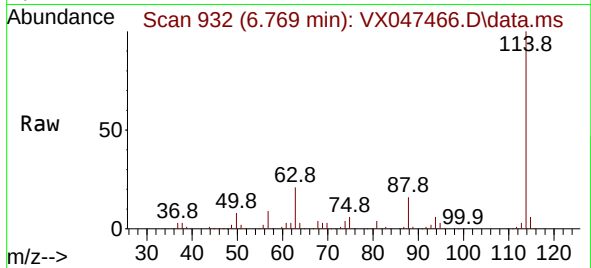




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

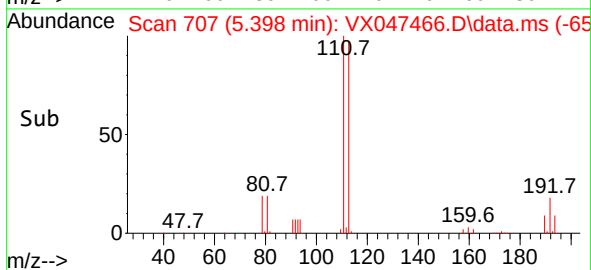
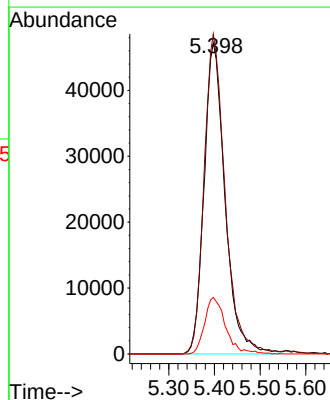
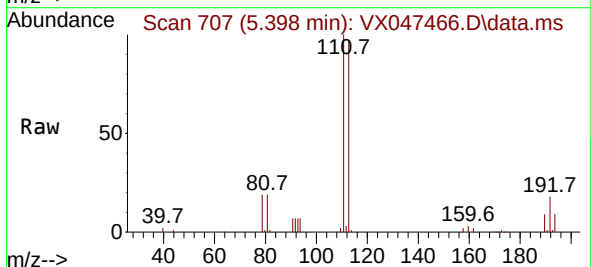
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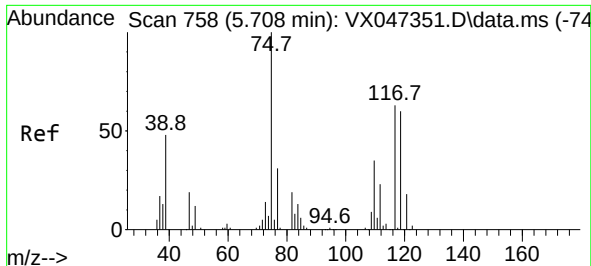
Tgt Ion:114 Resp: 459689
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.4
88 16.3 0.0 33.0



#35
Dibromofluoromethane
Concen: 50.413 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

Tgt Ion:113 Resp: 150402
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.2
192 18.2 14.1 21.1





#36

1,1-Dichloropropene

Concen: 4.072 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX047466.D

Acq: 21 Aug 2025 13:46

Instrument :

MSVOA_X

ClientSampleId :

TB-081825

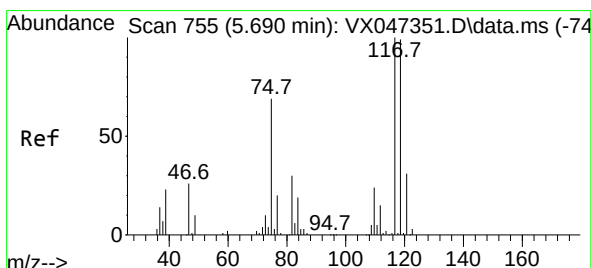
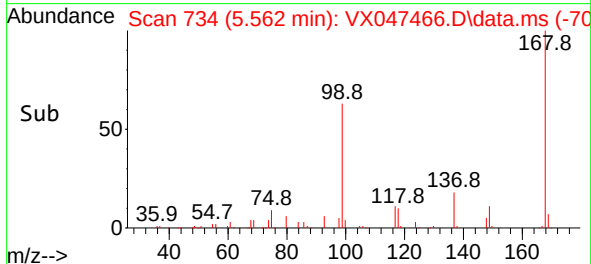
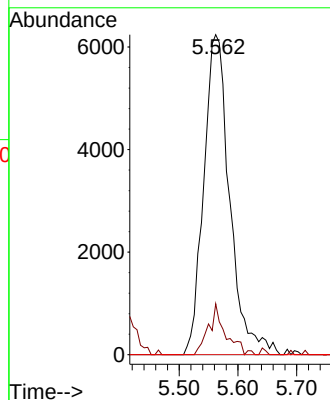
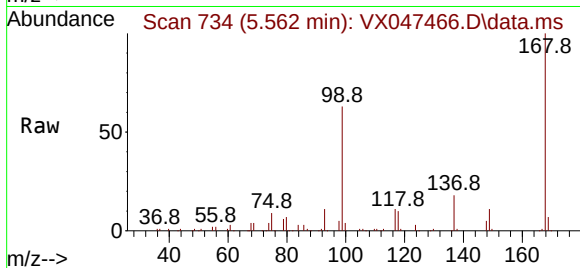
Tgt Ion: 75 Resp: 19177

Ion Ratio Lower Upper

75 100

110 10.4 17.4 52.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.573 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX047466.D

Acq: 21 Aug 2025 13:46

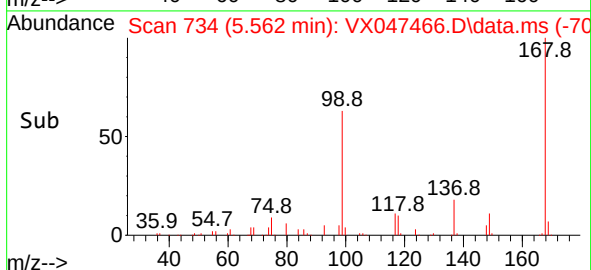
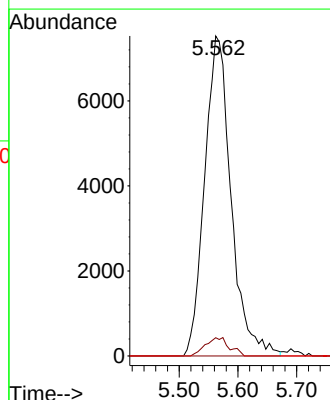
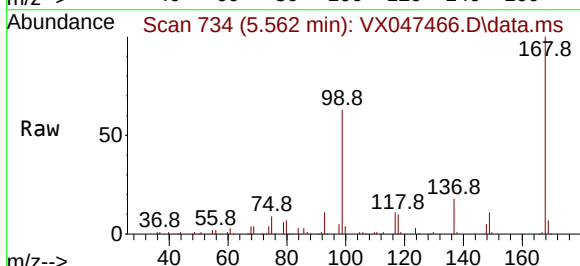
Tgt Ion: 117 Resp: 23534

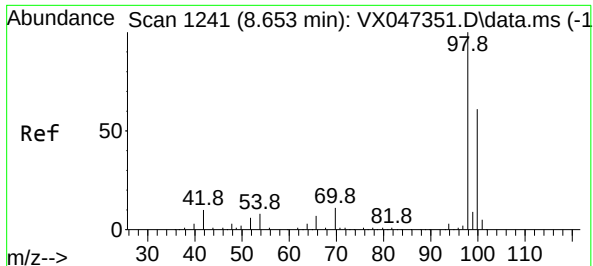
Ion Ratio Lower Upper

117 100

119 5.7 78.5 117.7#

121 0.0 24.7 37.1#

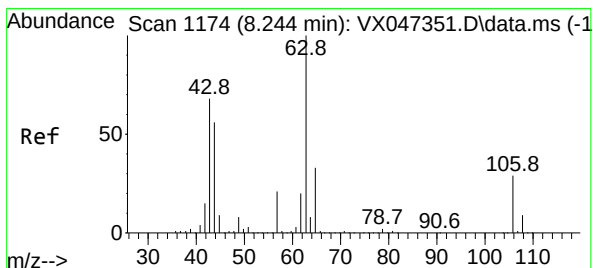
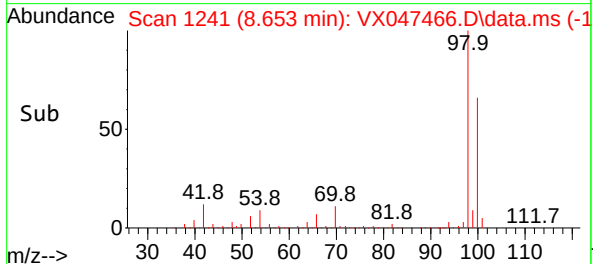
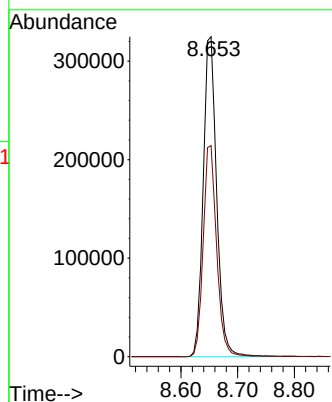
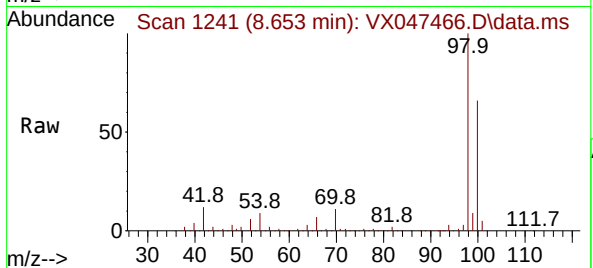




#50
Toluene-d8
Concen: 50.242 ug/l
RT: 8.653 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

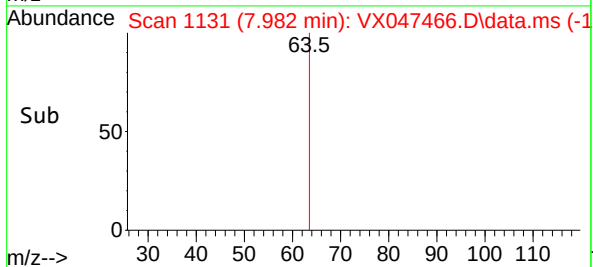
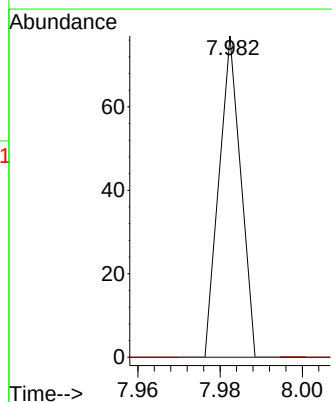
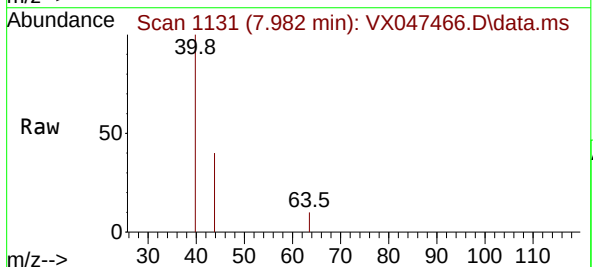
Instrument :
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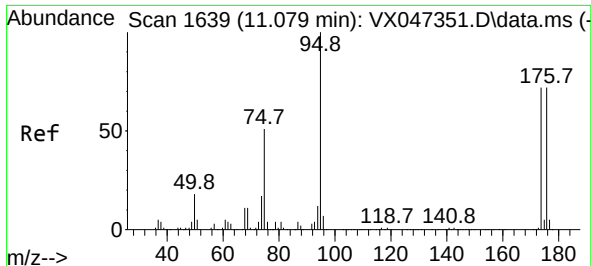
Tgt Ion: 98 Resp: 535761
Ion Ratio Lower Upper
98 100
100 66.0 53.9 80.9



#58
2-Chloroethyl Vinyl ether
Concen: 8.367 ug/l
RT: 7.982 min Scan# 1131
Delta R.T. -0.262 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

Tgt Ion: 63 Resp: 28
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#

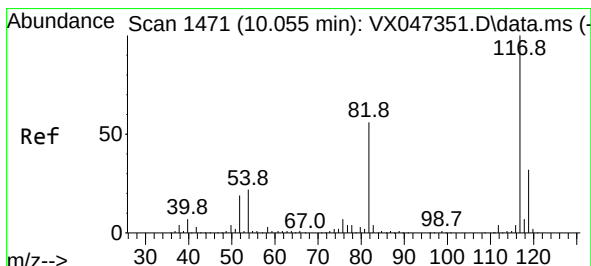
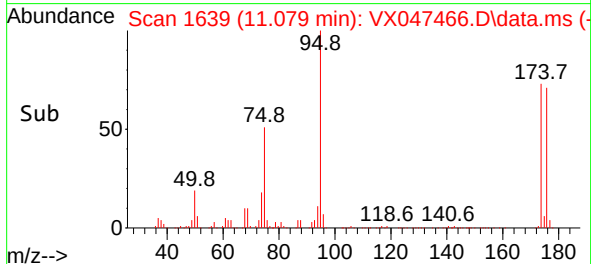
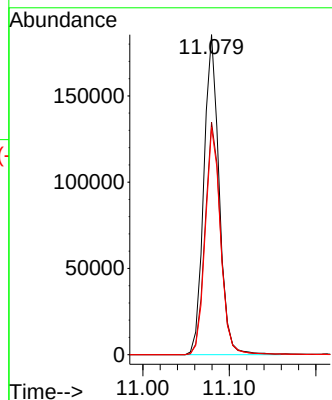
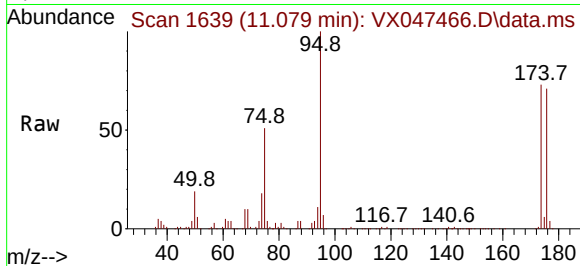




#62
4-Bromofluorobenzene
Concen: 57.655 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

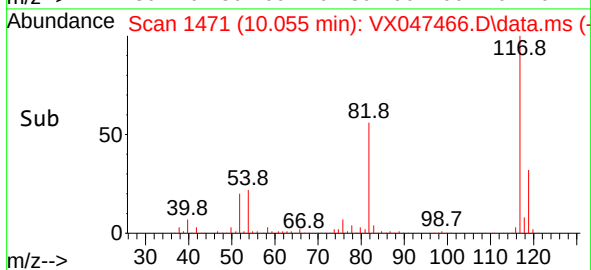
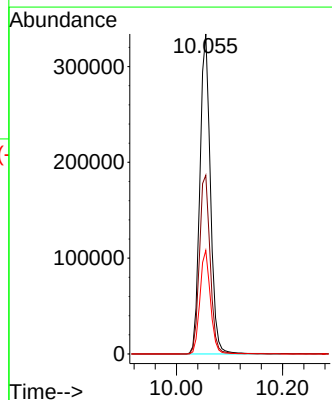
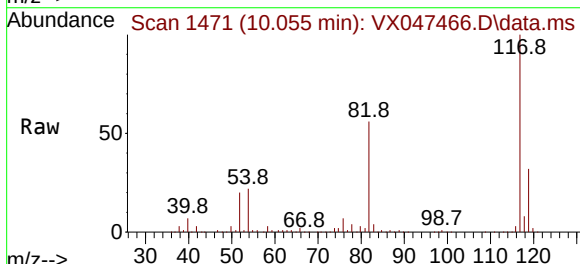
Instrument :
MSVOA_X
ClientSampleId :
TB-081825

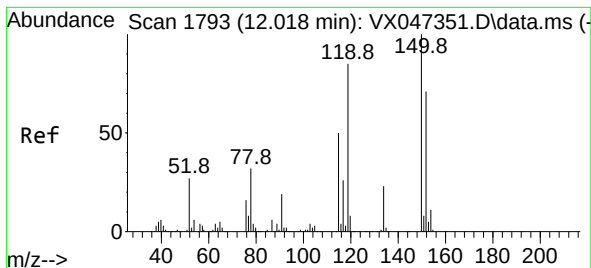
Tgt Ion: 95 Resp: 226877
Ion Ratio Lower Upper
95 100
174 74.2 0.0 148.0
176 71.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

Tgt Ion: 117 Resp: 461078
Ion Ratio Lower Upper
117 100
82 55.8 45.0 67.4
119 32.3 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047466.D

Acq: 21 Aug 2025 13:46

Instrument :

MSVOA_X

ClientSampleId :

TB-081825

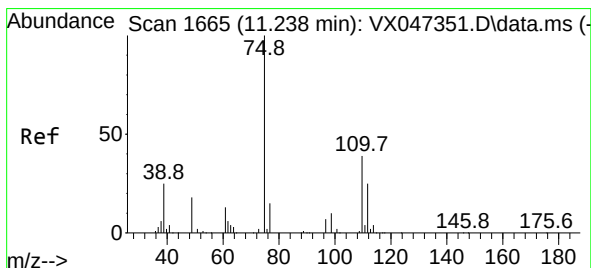
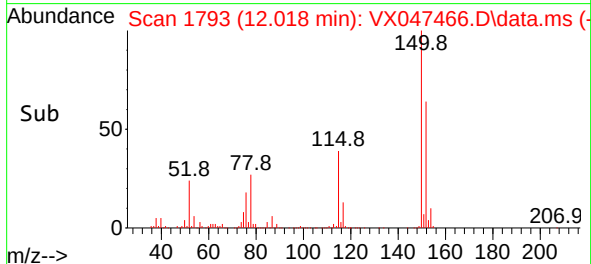
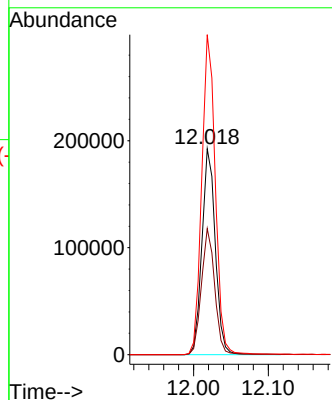
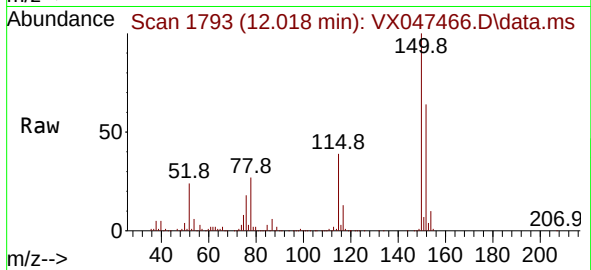
Tgt Ion:152 Resp: 239770

Ion Ratio Lower Upper

152 100

115 61.0 44.6 133.8

150 157.0 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 26.777 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047466.D

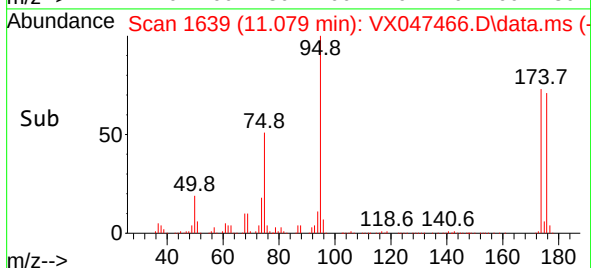
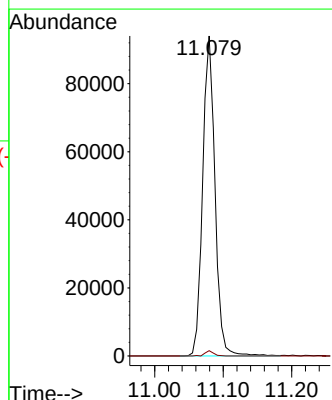
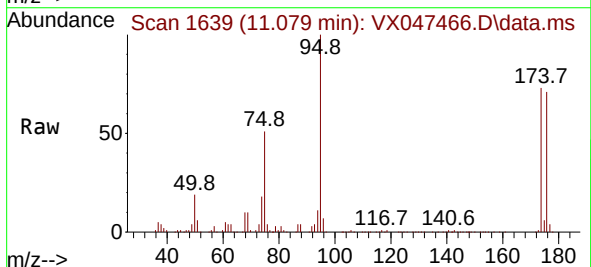
Acq: 21 Aug 2025 13:46

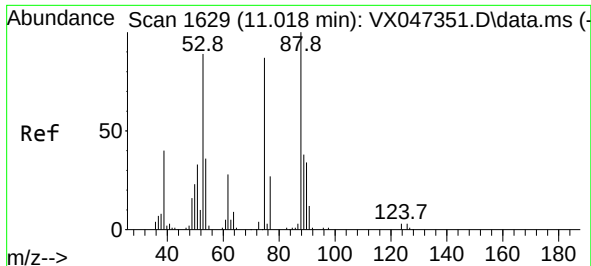
Tgt Ion: 75 Resp: 117757

Ion Ratio Lower Upper

75 100

77 1.1 19.4 58.2#

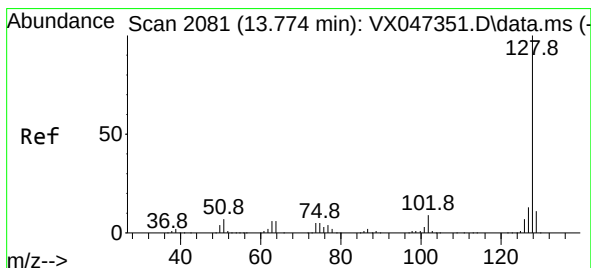
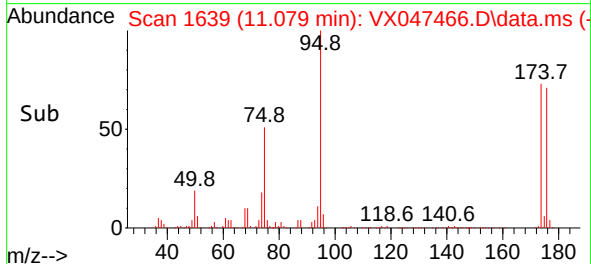
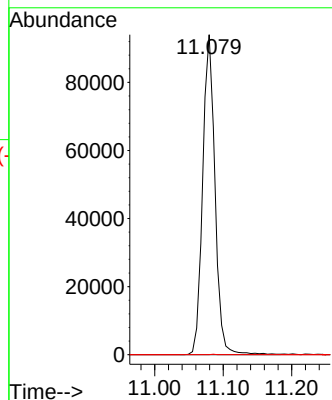
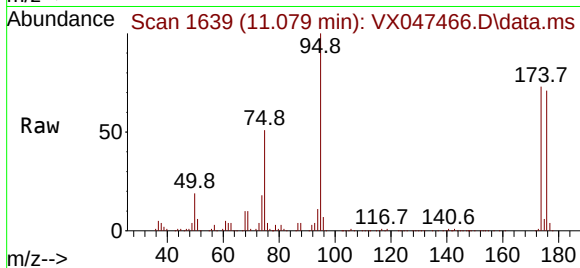




#81
trans-1,4-Dichloro-2-butene
Concen: 105.952 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

Instrument :
MSVOA_X
ClientSampleId :
TB-081825

Tgt Ion: 75 Resp: 117757
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#



#95
Naphthalene
Concen: 2.246 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

Tgt Ion:128 Resp: 35743
Ion Ratio Lower Upper
128 100
127 12.4 10.1 15.1
129 10.2 8.7 13.1

