

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047317.D
 Acq On : 13 Aug 2025 13:18
 Operator : JC/MD
 Sample : Q2814-06RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-82H-SRE

Quant Time: Aug 14 03:28:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

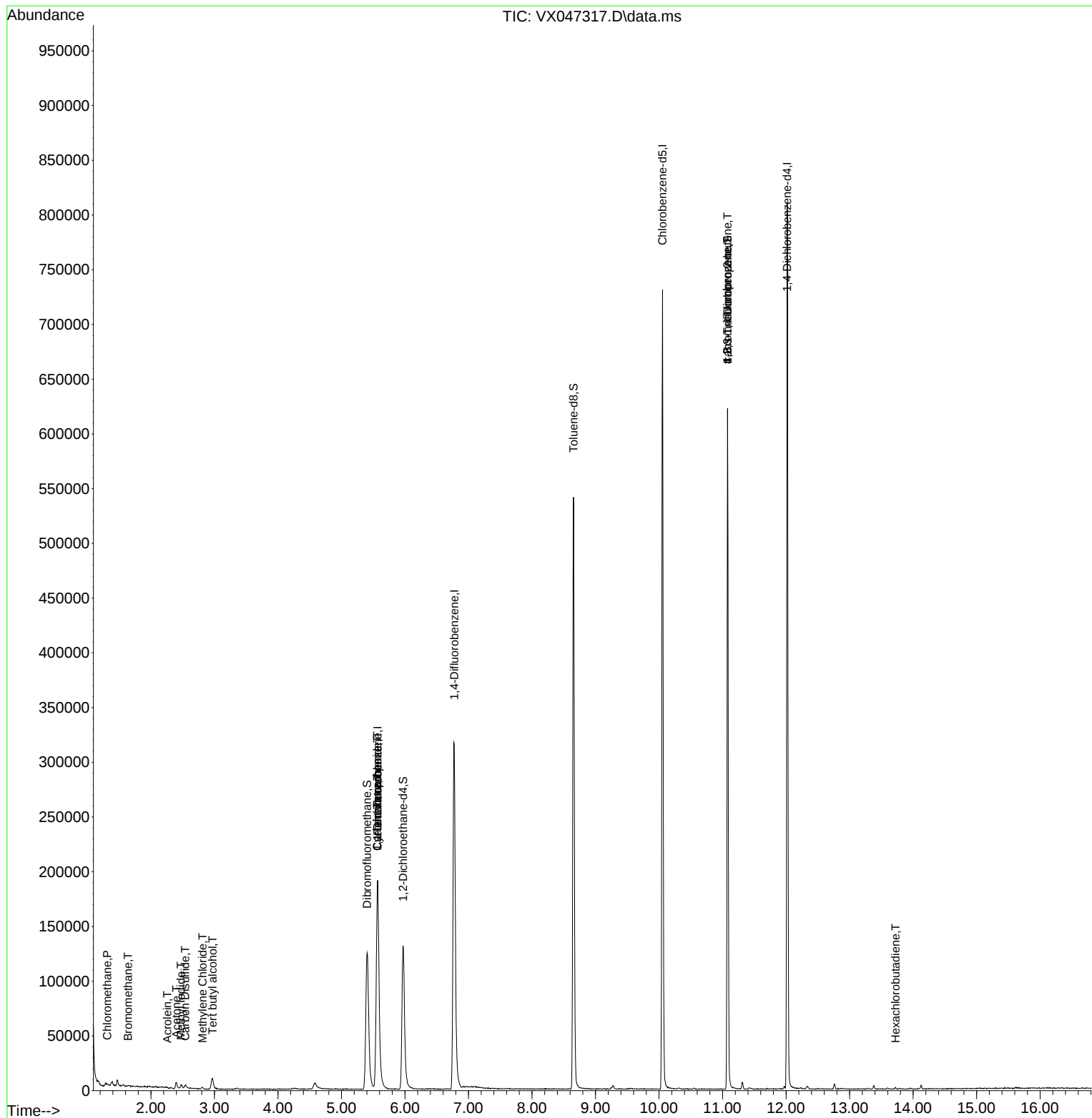
Internal Standards						
1) Pentafluorobenzene	5.568	168	190085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	345739	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	321042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	164920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	141472	59.747	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	119.500%#
35) Dibromofluoromethane	5.404	113	122206	57.247	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	114.500%
50) Toluene-d8	8.653	98	331608	47.967	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.940%
62) 4-Bromofluorobenzene	11.079	95	165199	55.451	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.900%
Target Compounds						Qvalue
3) Chloromethane	1.313	50	578	0.231	ug/l #	43
5) Bromomethane	1.636	94	482	0.331	ug/l	88
10) Methyl Iodide	2.471	142	4472	1.819	ug/l	99
11) Tert butyl alcohol	2.971	59	7065	15.891	ug/l #	78
13) Acrolein	2.258	56	172	0.337	ug/l #	59
16) Acetone	2.398	43	8598	9.064	ug/l	93
17) Carbon Disulfide	2.538	76	2217	0.321	ug/l	96
20) Methylene Chloride	2.813	84	768	0.294	ug/l #	79
31) Cyclohexane	5.562	56	3923	0.886	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	16030	4.405	ug/l #	48
38) Carbon Tetrachloride	5.562	117	20381	5.248	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	86149	28.222	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	86149	72.710	ug/l #	8
94) Hexachlorobutadiene	13.725	225	259	0.203	ug/l #	74

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

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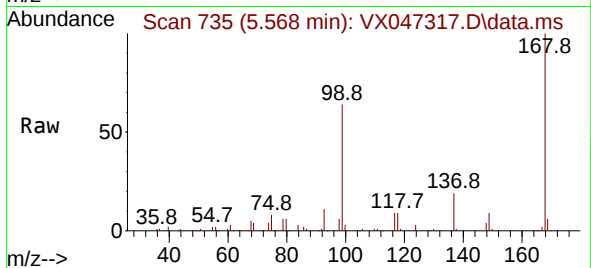
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



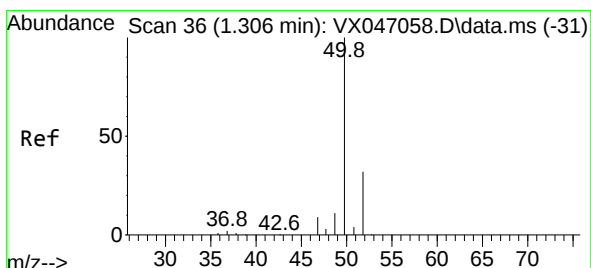
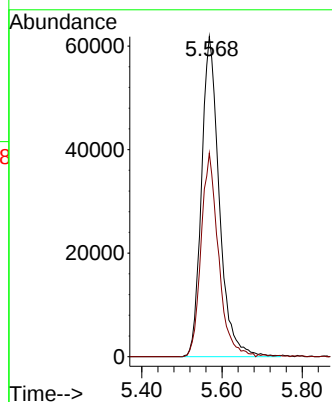
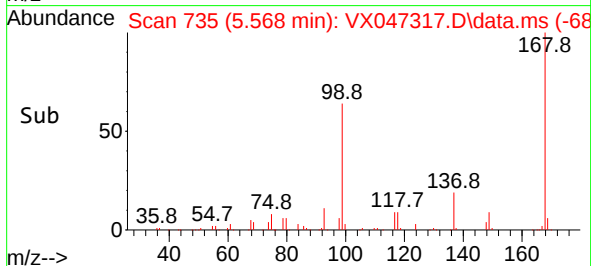


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-SRE

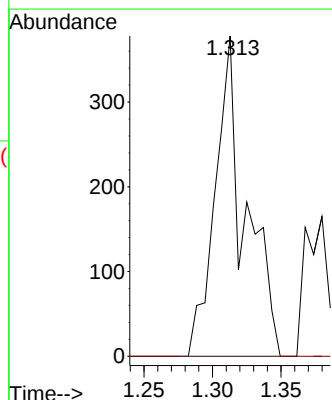
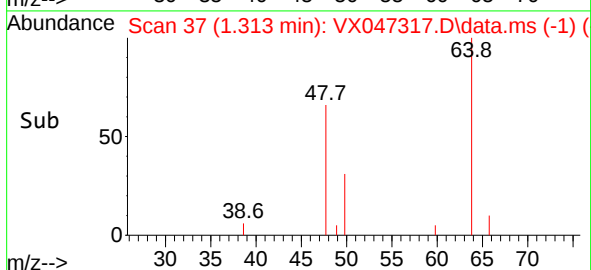
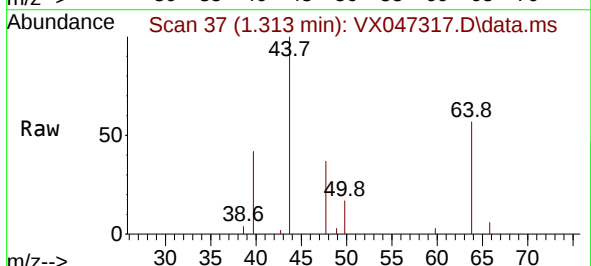


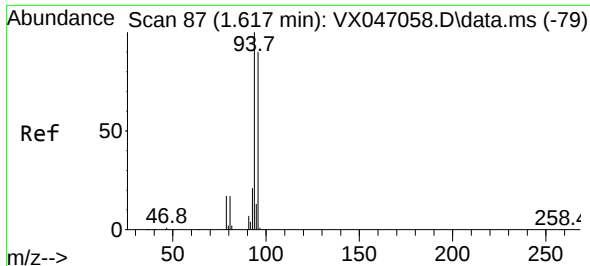
Tgt Ion:168 Resp: 190085
Ion Ratio Lower Upper
168 100
99 63.6 48.0 72.0



#3
Chloromethane
Concen: 0.231 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.007 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

Tgt Ion: 50 Resp: 578
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

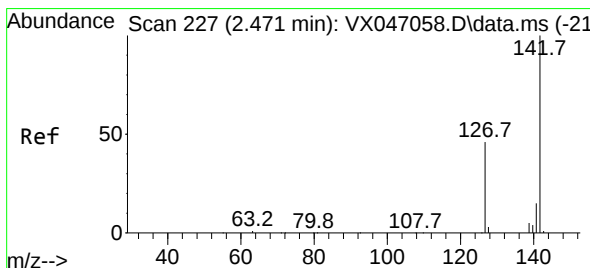
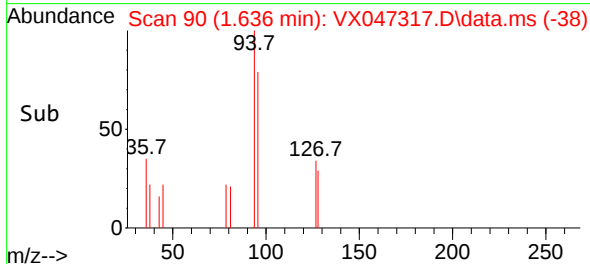
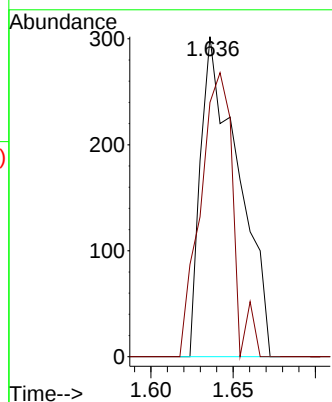
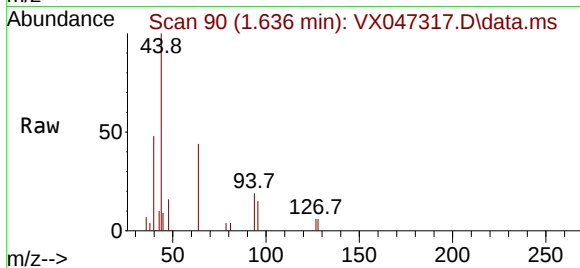




#5
Bromomethane
Concen: 0.331 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.019 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

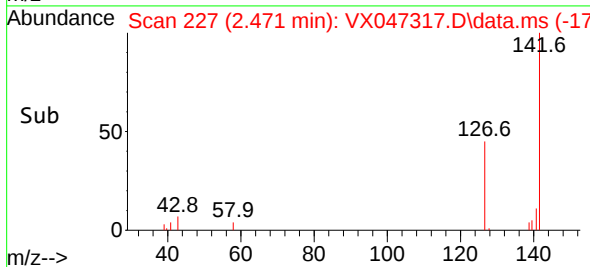
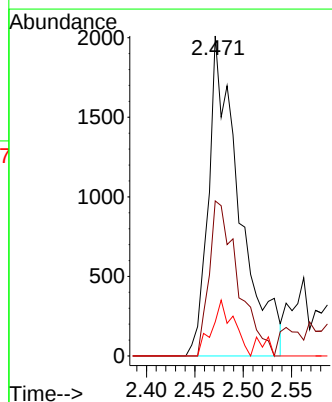
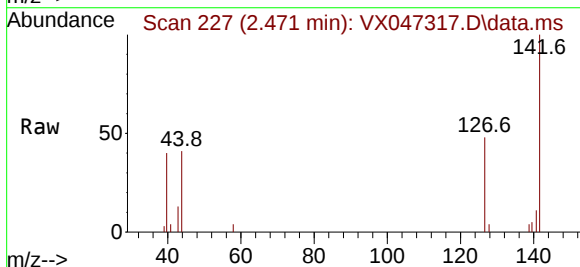
Instrument :
MSVOA_X
ClientSampleId :
TW-82H-SRE

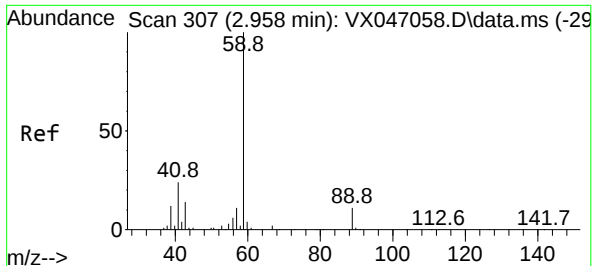
Tgt Ion: 94 Resp: 482
Ion Ratio Lower Upper
94 100
96 79.5 72.3 108.5



#10
Methyl Iodide
Concen: 1.819 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

Tgt Ion: 142 Resp: 4472
Ion Ratio Lower Upper
142 100
127 45.1 36.6 54.8
141 12.3 10.9 16.3





#11

Tert butyl alcohol

Concen: 15.891 ug/l

RT: 2.971 min Scan# 307

Delta R.T. 0.013 min

Lab File: VX047317.D

Acq: 13 Aug 2025 13:18

Instrument :

MSVOA_X

ClientSampleId :

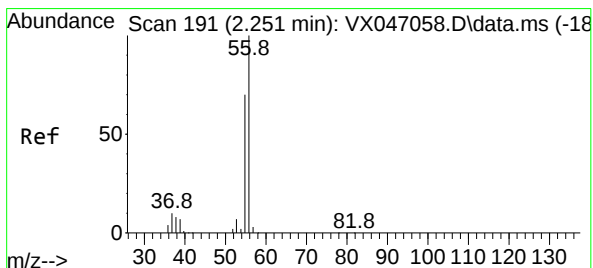
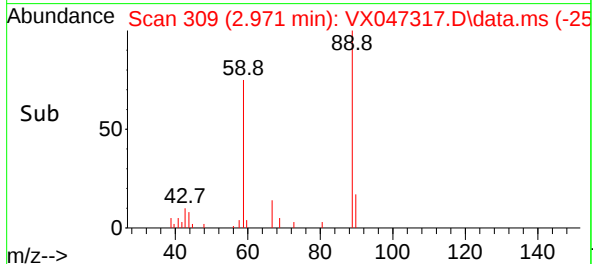
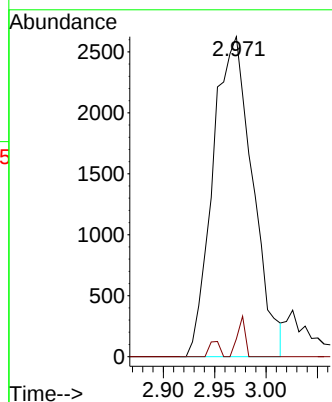
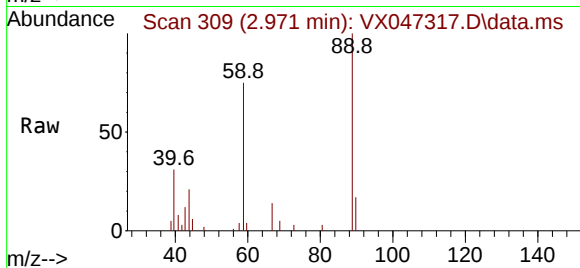
TW-82H-SRE

Tgt Ion: 59 Resp: 7065

Ion Ratio Lower Upper

59 100

57 2.5 8.5 12.7#



#13

Acrolein

Concen: 0.337 ug/l

RT: 2.258 min Scan# 192

Delta R.T. 0.007 min

Lab File: VX047317.D

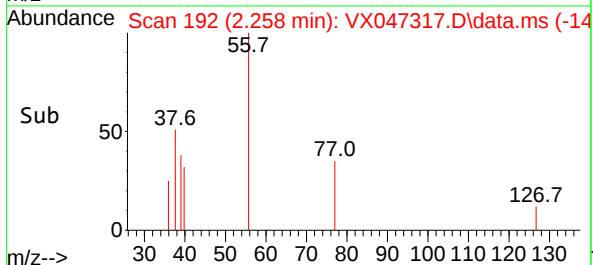
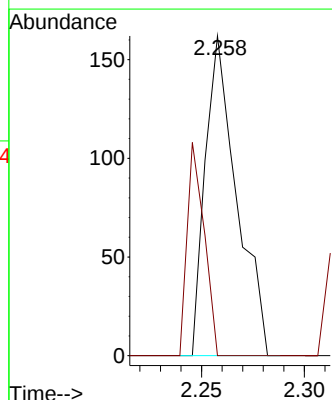
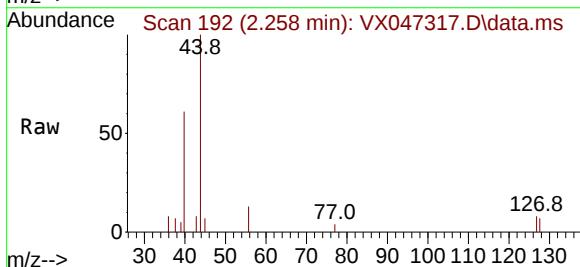
Acq: 13 Aug 2025 13:18

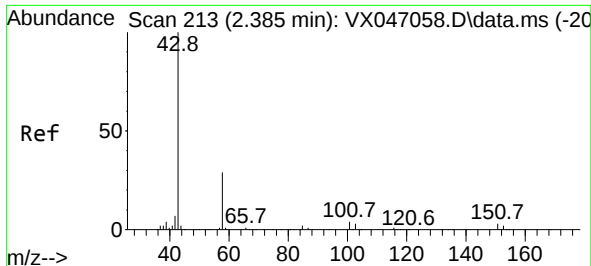
Tgt Ion: 56 Resp: 172

Ion Ratio Lower Upper

56 100

55 36.0 55.7 83.5#

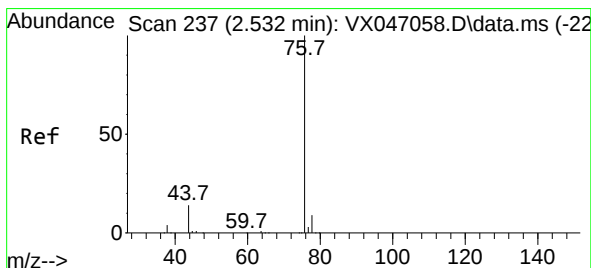
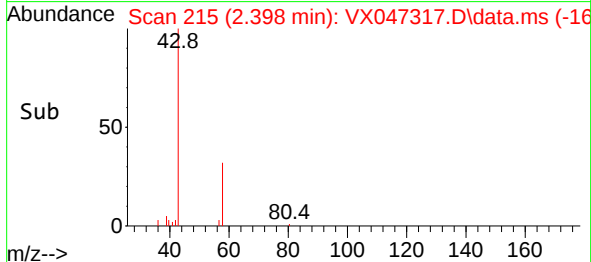
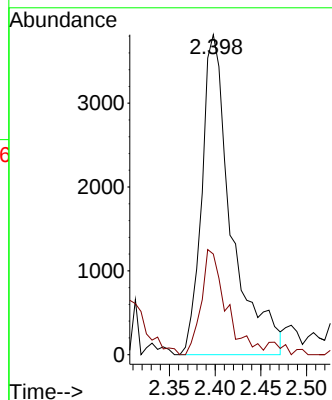
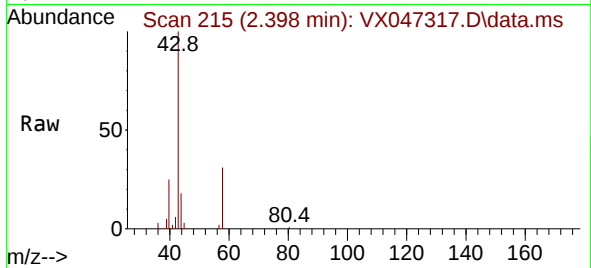




#16
Acetone
Concen: 9.064 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.013 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

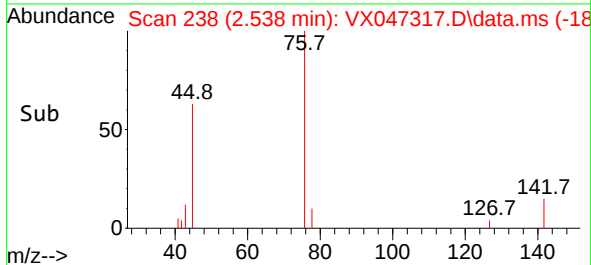
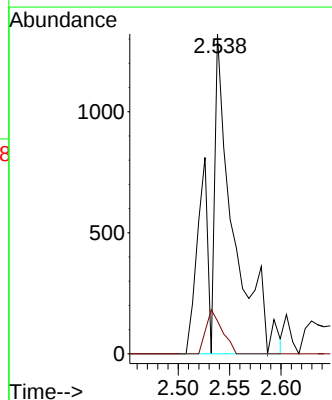
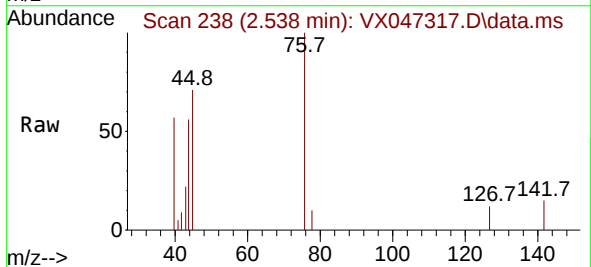
Instrument :
MSVOA_X
ClientSampleId :
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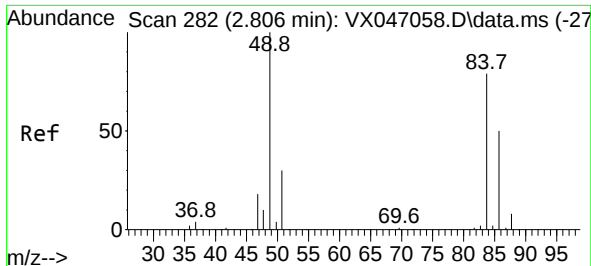
Tgt Ion: 43 Resp: 8598
Ion Ratio Lower Upper
43 100
58 33.9 24.0 36.0



#17
Carbon Disulfide
Concen: 0.321 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.007 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

Tgt Ion: 76 Resp: 2217
Ion Ratio Lower Upper
76 100
78 10.3 7.0 10.4

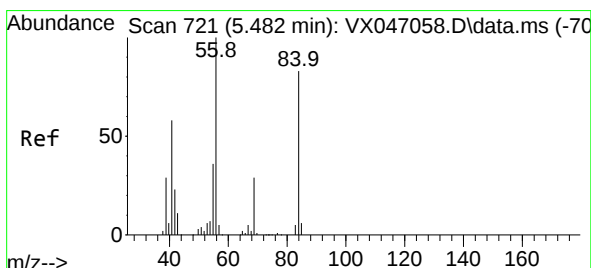
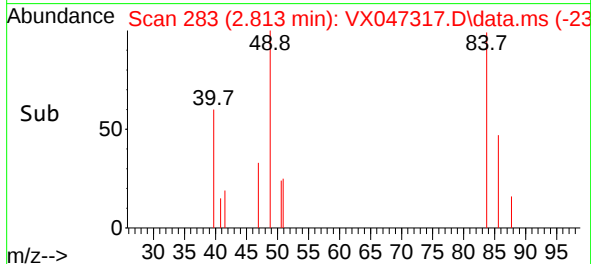
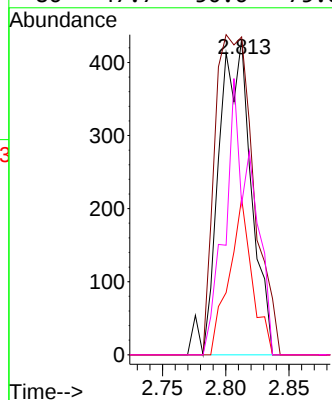
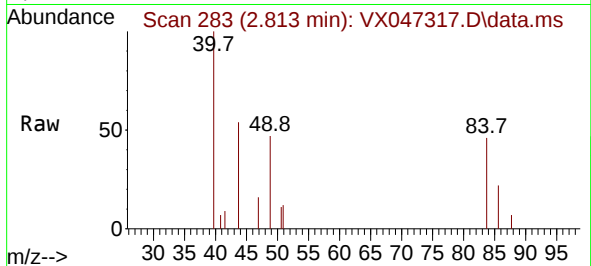




#20
Methylene Chloride
Concen: 0.294 ug/l
RT: 2.813 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

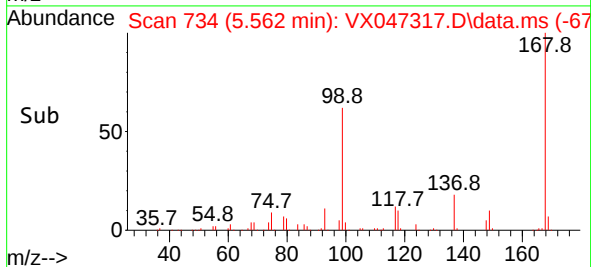
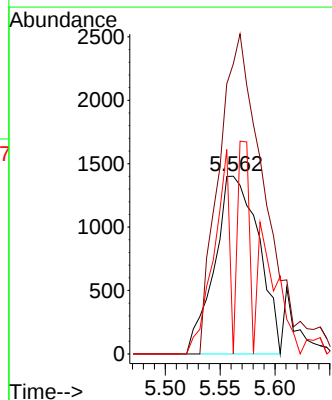
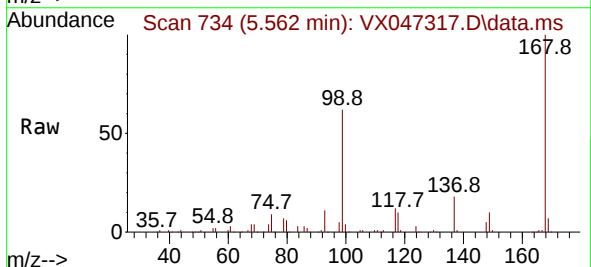
Instrument :
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ClientSampleId :
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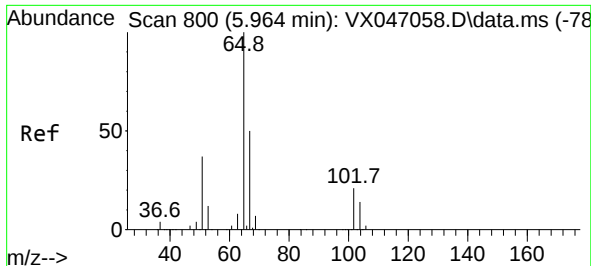
Tgt Ion:	84	Resp:	768
Ion	Ratio	Lower	Upper
84	100		
49	100.7	101.6	152.4#
51	49.5	30.3	45.5#
86	47.7	50.6	75.8#



#31
Cyclohexane
Concen: 0.886 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.080 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

Tgt Ion:	56	Resp:	3923
Ion	Ratio	Lower	Upper
56	100		
69	171.0	23.3	34.9#
84	0.0	66.5	99.7#





#33

1,2-Dichloroethane-d4

Concen: 59.747 ug/l

RT: 5.970 min Scan# 800

Delta R.T. 0.007 min

Lab File: VX047317.D

Acq: 13 Aug 2025 13:18

Instrument :

MSVOA_X

ClientSampleId :

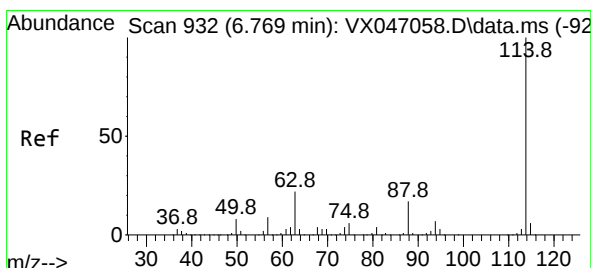
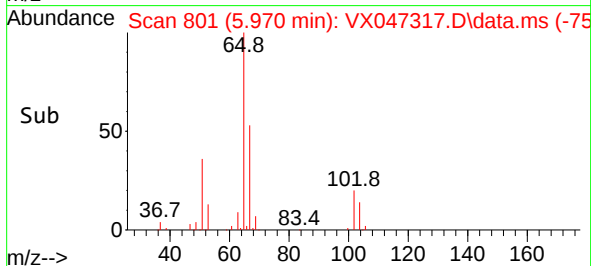
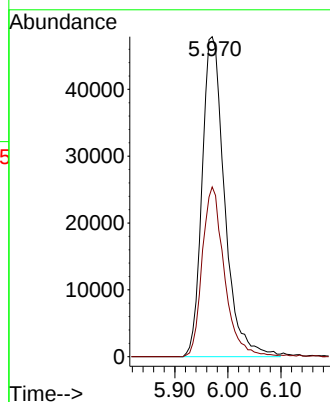
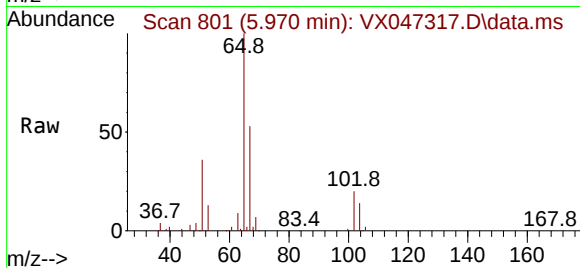
TW-82H-SRE

Tgt Ion: 65 Resp: 141472

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.007 min

Lab File: VX047317.D

Acq: 13 Aug 2025 13:18

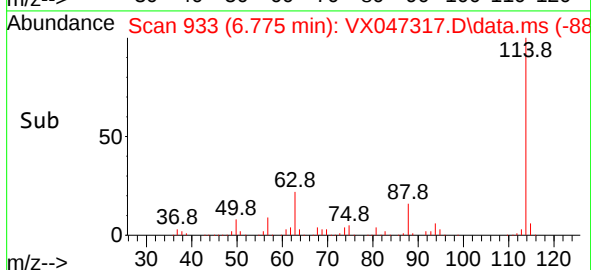
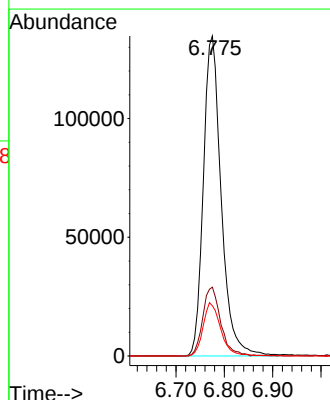
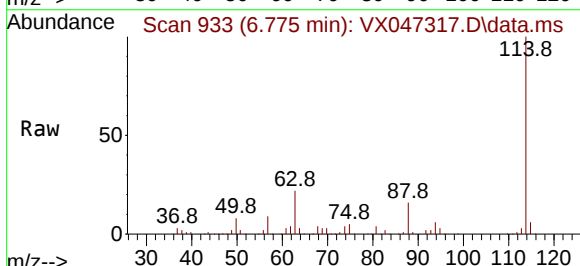
Tgt Ion: 114 Resp: 345739

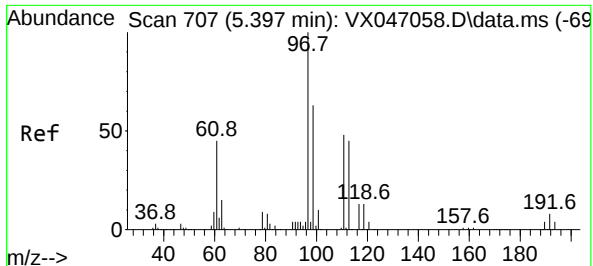
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

88 15.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 57.247 ug/l

RT: 5.404 min Scan# 707

Delta R.T. 0.007 min

Lab File: VX047317.D

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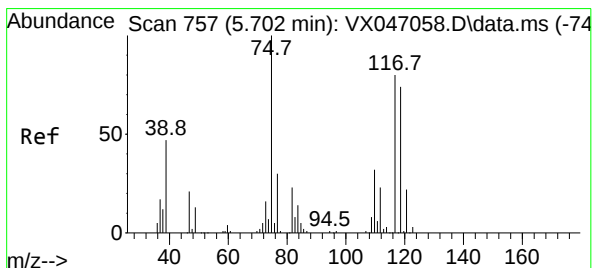
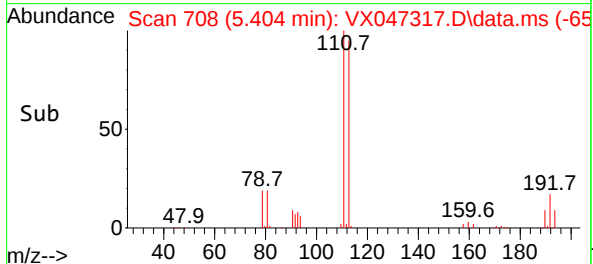
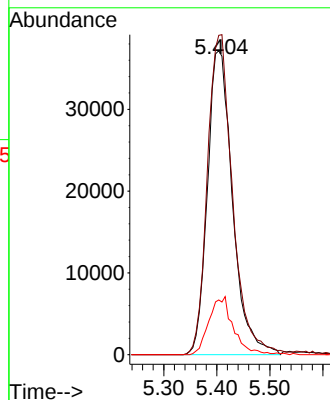
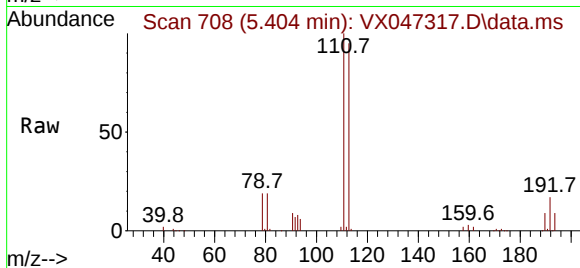
Tgt Ion:113 Resp: 122206

Ion Ratio Lower Upper

113 100

111 105.7 82.6 124.0

192 18.5 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.405 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX047317.D

Acq: 13 Aug 2025 13:18

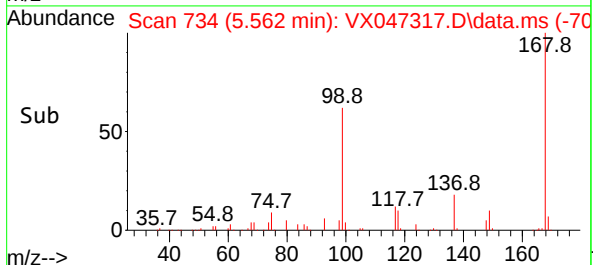
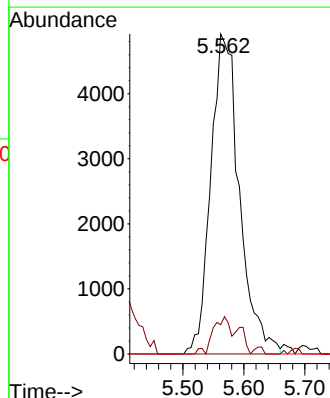
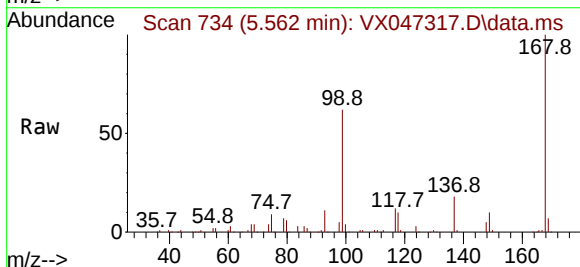
Tgt Ion: 75 Resp: 16030

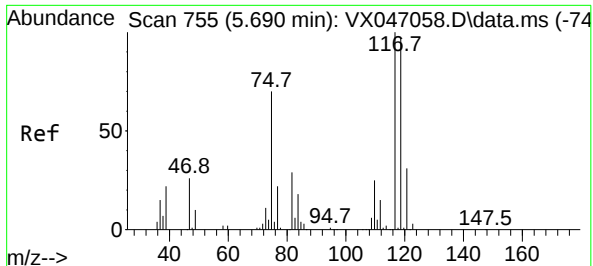
Ion Ratio Lower Upper

75 100

110 6.9 17.2 51.5#

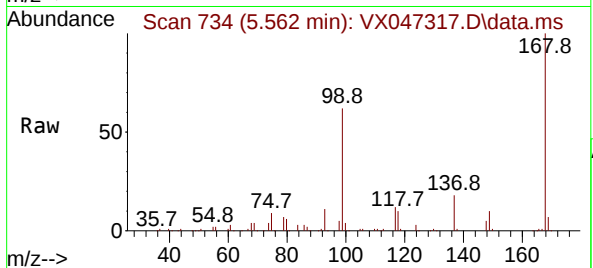
77 0.0 25.1 37.7#



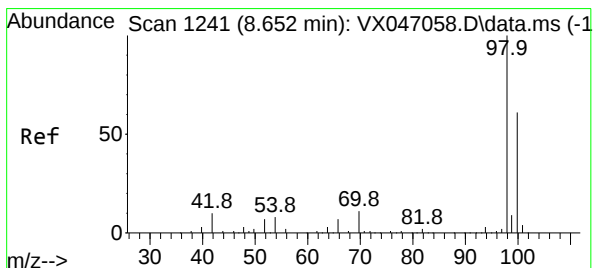
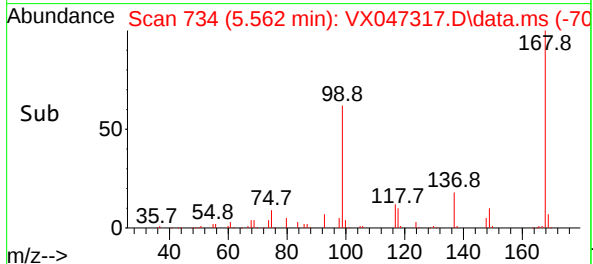
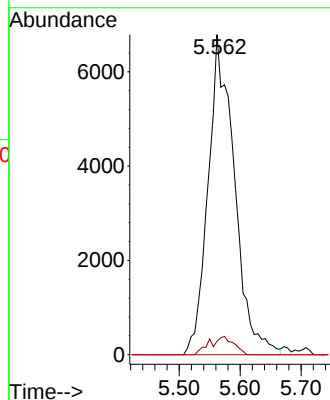


#38
Carbon Tetrachloride
Concen: 5.248 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-SRE

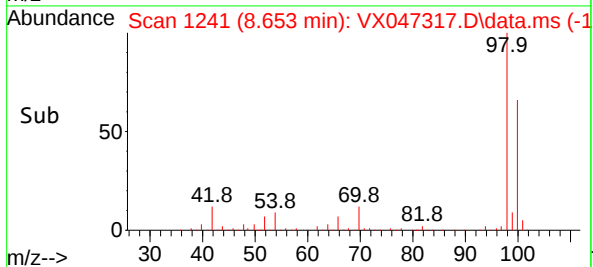
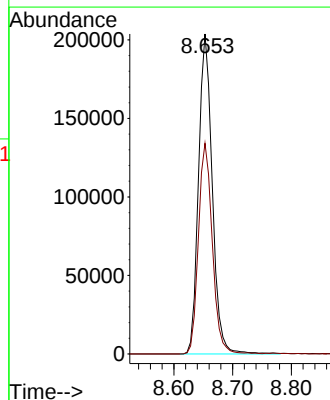
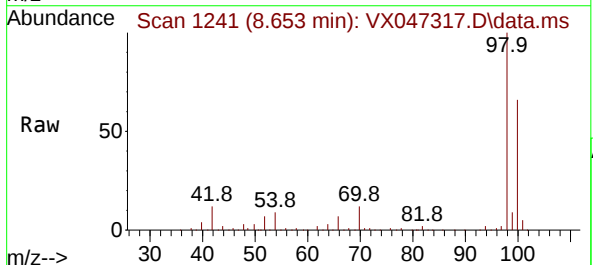


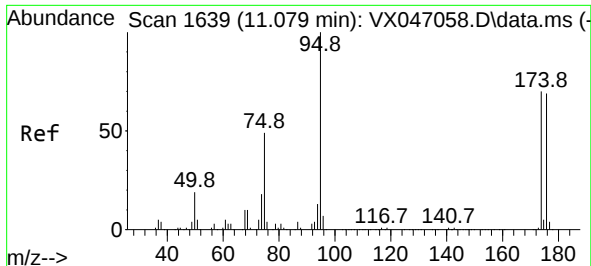
Tgt Ion:117 Resp: 20381
Ion Ratio Lower Upper
117 100
119 4.2 76.6 115.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 47.967 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

Tgt Ion: 98 Resp: 331608
Ion Ratio Lower Upper
98 100
100 66.6 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 55.451 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047317.D

Acq: 13 Aug 2025 13:18

Instrument :

MSVOA_X

ClientSampleId :

TW-82H-SRE

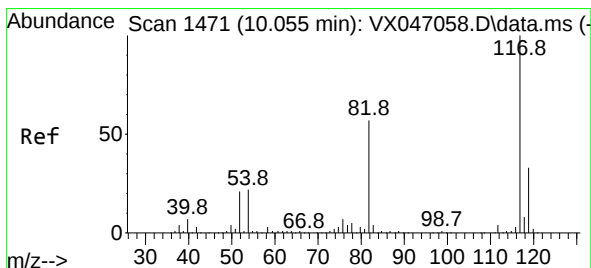
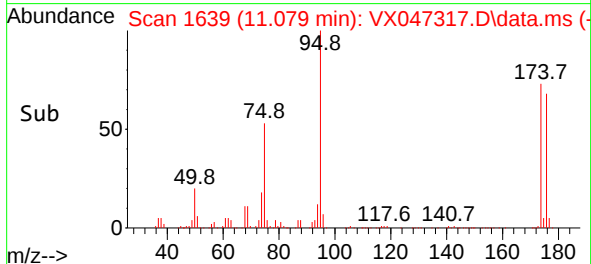
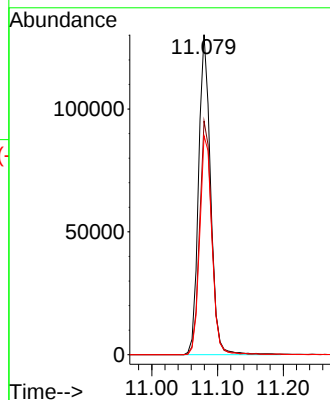
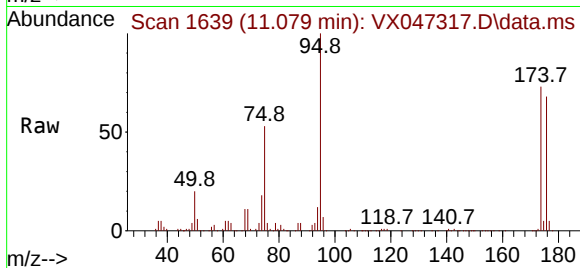
Tgt Ion: 95 Resp: 165199

Ion Ratio Lower Upper

95 100

174 74.4 0.0 144.6

176 70.0 0.0 139.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047317.D

Acq: 13 Aug 2025 13:18

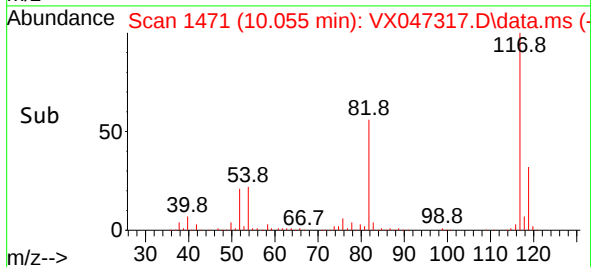
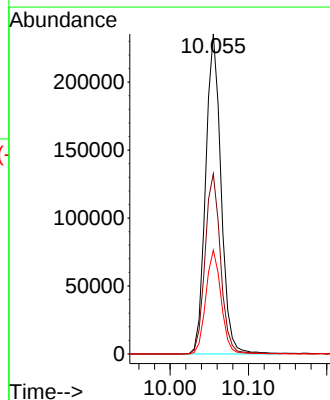
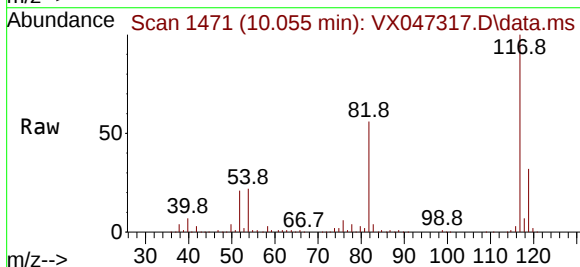
Tgt Ion: 117 Resp: 321042

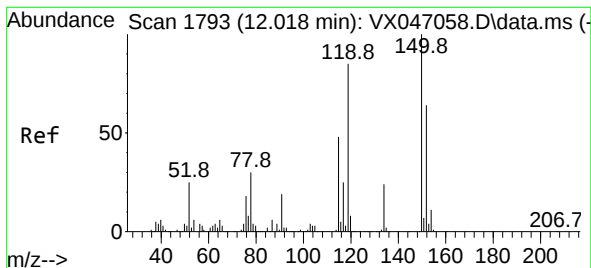
Ion Ratio Lower Upper

117 100

82 56.3 45.4 68.2

119 32.5 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047317.D

Acq: 13 Aug 2025 13:18

Instrument :

MSVOA_X

ClientSampleId :

TW-82H-SRE

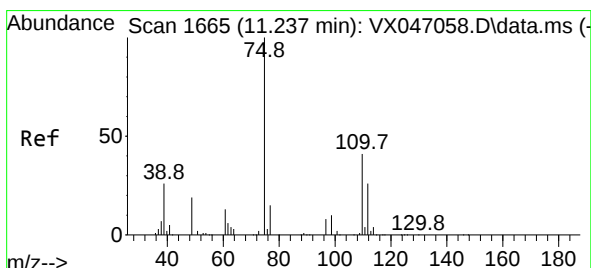
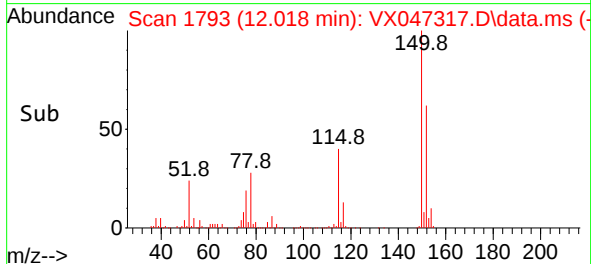
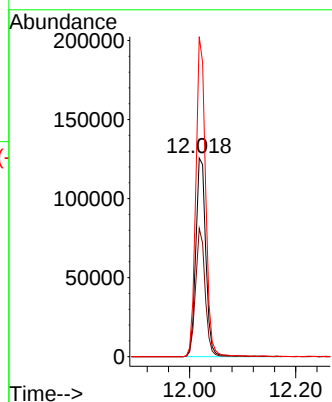
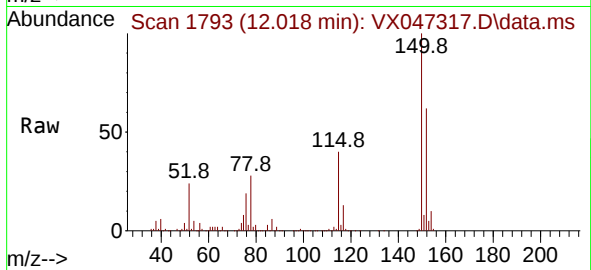
Tgt Ion:152 Resp: 164920

Ion Ratio Lower Upper

152 100

115 61.5 45.6 136.7

150 155.8 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 28.222 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047317.D

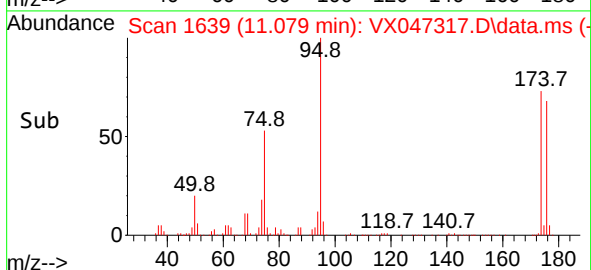
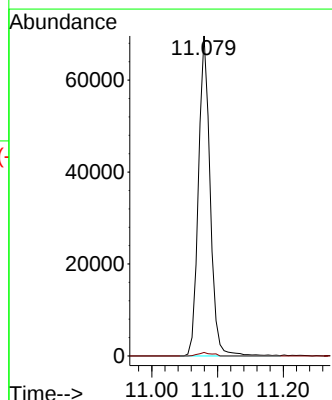
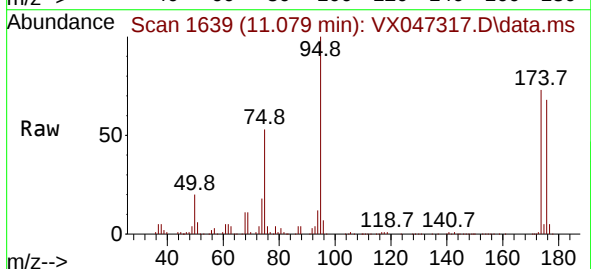
Acq: 13 Aug 2025 13:18

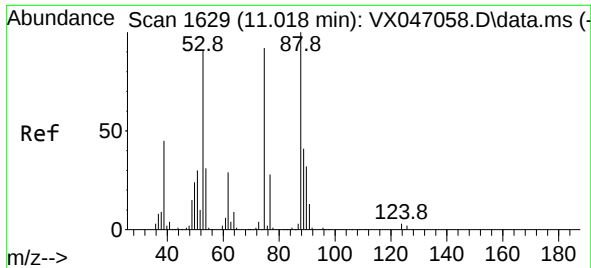
Tgt Ion: 75 Resp: 86149

Ion Ratio Lower Upper

75 100

77 1.3 21.6 65.0#

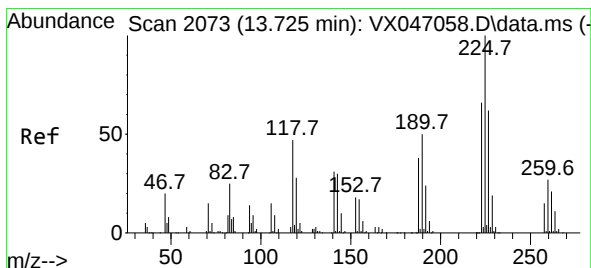
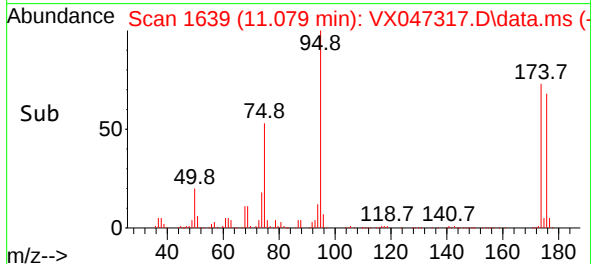
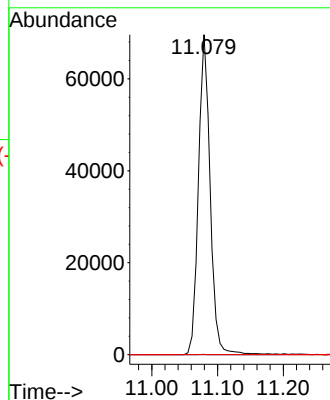
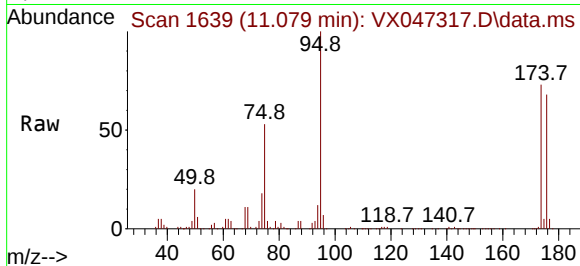




#81
trans-1,4-Dichloro-2-butene
Concen: 72.710 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-SRE

Tgt Ion: 75 Resp: 86149
Ion Ratio Lower Upper
75 100
53 0.1 84.2 126.4#
89 0.0 36.0 54.0#



#94
Hexachlorobutadiene
Concen: 0.203 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

Tgt Ion: 225 Resp: 259
Ion Ratio Lower Upper
225 100
223 23.2 31.6 95.0#
227 67.2 32.9 98.6

