

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
 Data File : VX047415.D
 Acq On : 19 Aug 2025 16:14
 Operator : JC/MD
 Sample : Q2815-23
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-11M-N

Quant Time: Aug 20 01:28:50 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)

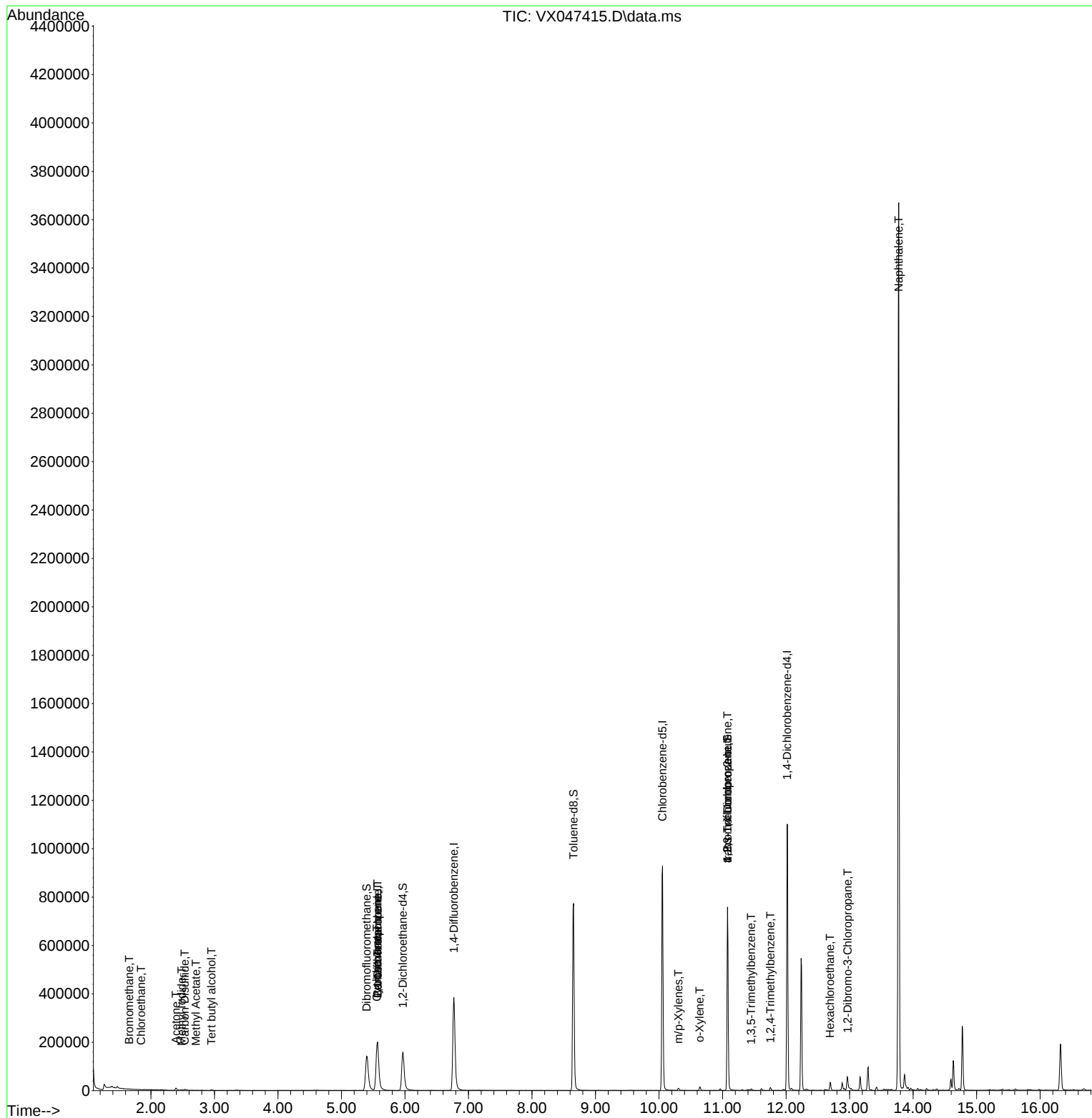
Internal Standards						
1) Pentafluorobenzene	5.568	168	203899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	414517	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	421598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	218704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	167475	58.688	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 117.380%#			
35) Dibromofluoromethane	5.397	113	137520	51.118	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.240%			
50) Toluene-d8	8.653	98	474287	49.324	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.640%			
62) 4-Bromofluorobenzene	11.079	95	202773	57.145	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.300%			
Target Compounds					Qvalue	
5) Bromomethane	1.654	94	239	0.202	ug/l #	79
6) Chloroethane	1.843	64	752	0.419	ug/l #	70
10) Methyl Iodide	2.483	142	2285	0.529	ug/l #	82
11) Tert butyl alcohol	2.953	59	360	1.450	ug/l #	72
16) Acetone	2.392	43	12413	11.573	ug/l	98
17) Carbon Disulfide	2.532	76	3150	0.407	ug/l #	83
18) Methyl Acetate	2.709	43	652	0.235	ug/l #	53
31) Cyclohexane	5.556	56	4632	1.009	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	16809	3.958	ug/l #	42
38) Carbon Tetrachloride	5.568	117	20924	4.509	ug/l #	15
68) m/p-Xylenes	10.305	106	2499	0.389	ug/l	98
69) o-Xylene	10.640	106	3247	0.525	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	105402	26.276	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	2948	0.209	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.079	75	105402	104.117	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.756	105	5362	0.381	ug/l	92
90) Hexachloroethane	12.695	117	14006	5.418	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	12.969	75	1057	1.088	ug/l #	3
95) Naphthalene	13.774	128	2159728	148.760	ug/l	100

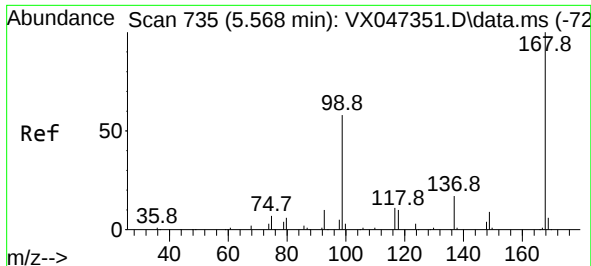
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 20 01:28:50 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

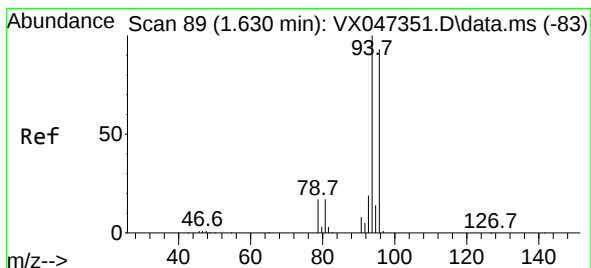
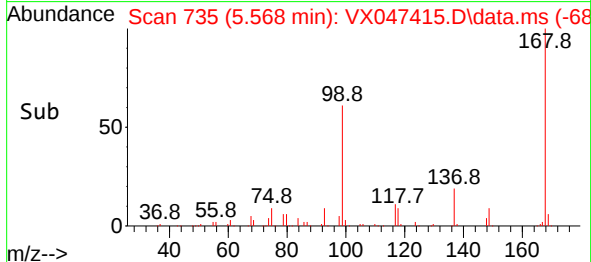
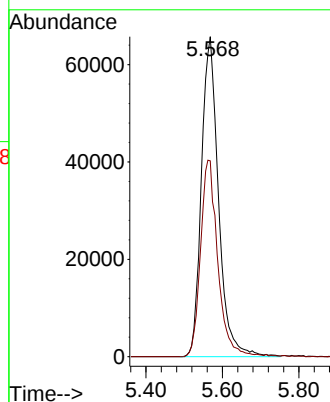
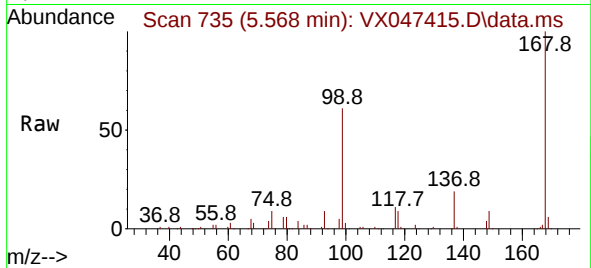




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

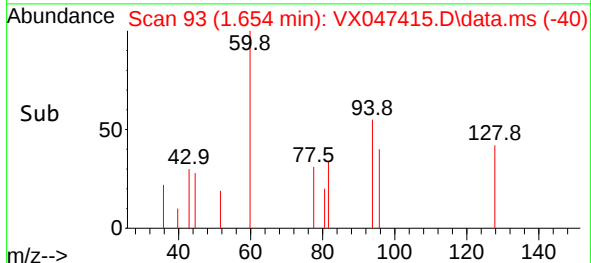
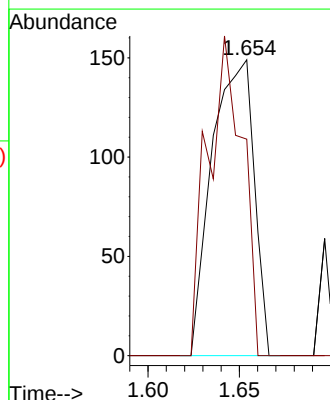
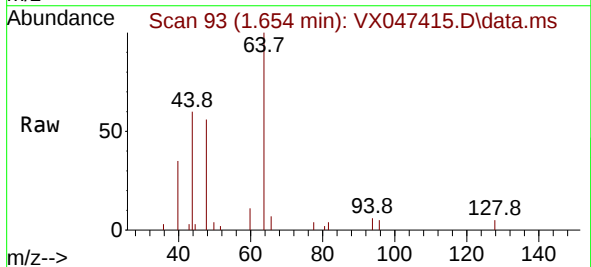
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-N

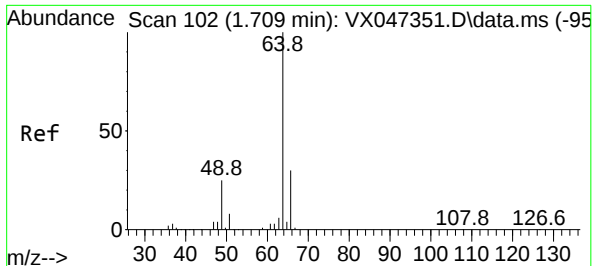
Tgt Ion:168 Resp: 203899
Ion Ratio Lower Upper
168 100
99 61.2 47.9 71.9



#5
Bromomethane
Concen: 0.202 ug/l
RT: 1.654 min Scan# 93
Delta R.T. 0.024 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

Tgt Ion: 94 Resp: 239
Ion Ratio Lower Upper
94 100
96 73.2 74.7 112.1#

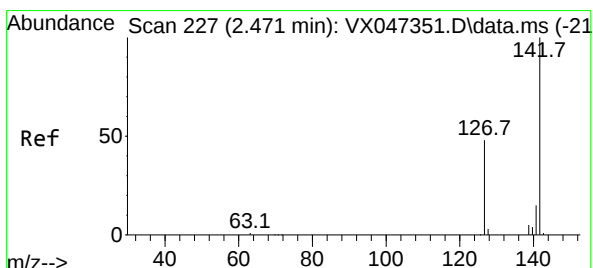
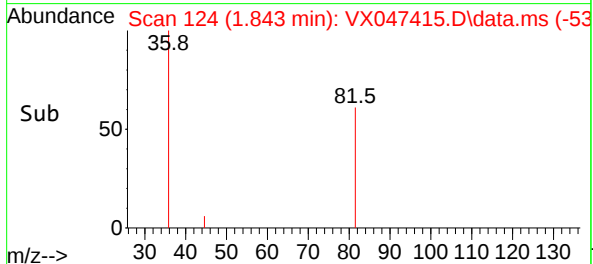
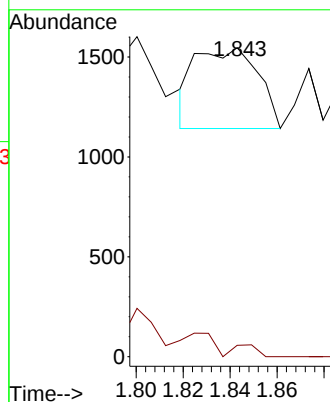
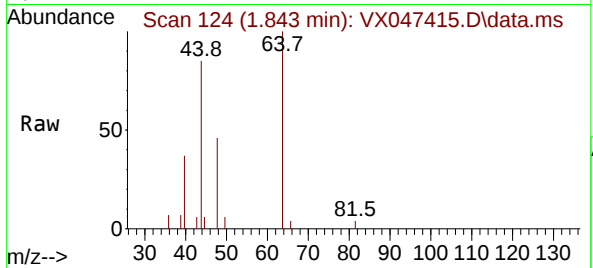




#6
Chloroethane
Concen: 0.419 ug/l
RT: 1.843 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

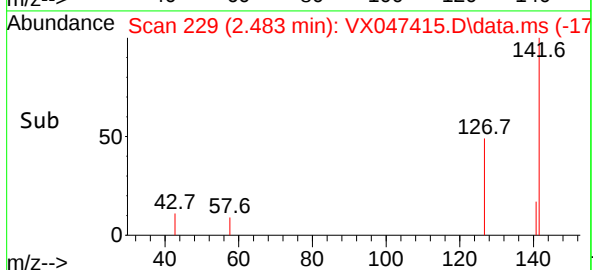
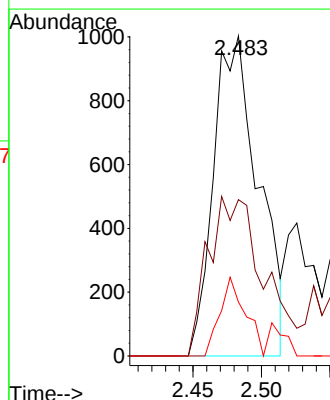
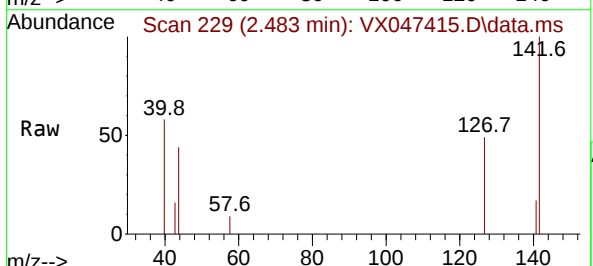
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-N

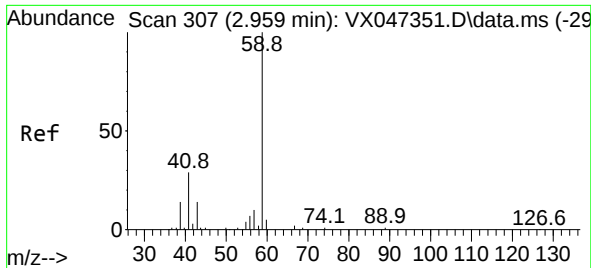
Tgt Ion: 64 Resp: 752
Ion Ratio Lower Upper
64 100
66 14.1 24.4 36.6#



#10
Methyl Iodide
Concen: 0.529 ug/l
RT: 2.483 min Scan# 229
Delta R.T. 0.012 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

Tgt Ion:142 Resp: 2285
Ion Ratio Lower Upper
142 100
127 60.9 36.1 54.1#
141 14.0 11.1 16.7

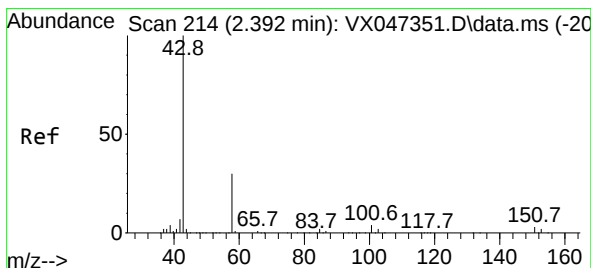
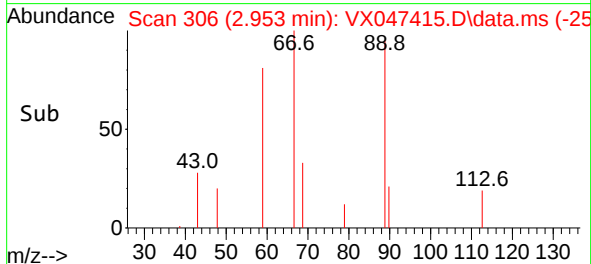
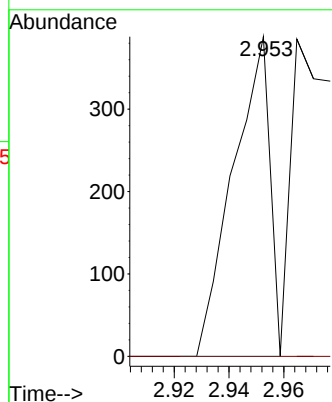
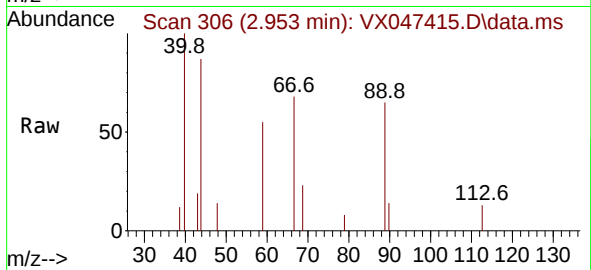




#11
Tert butyl alcohol
Concen: 1.450 ug/l
RT: 2.953 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

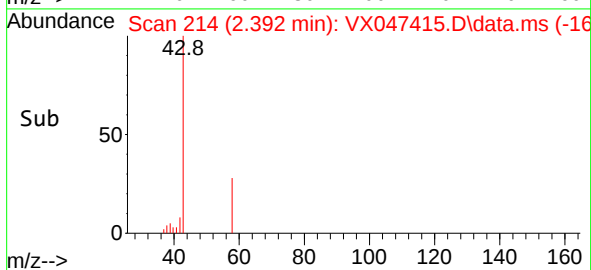
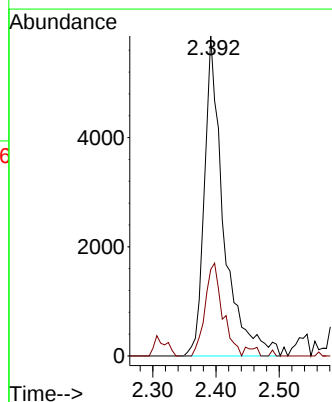
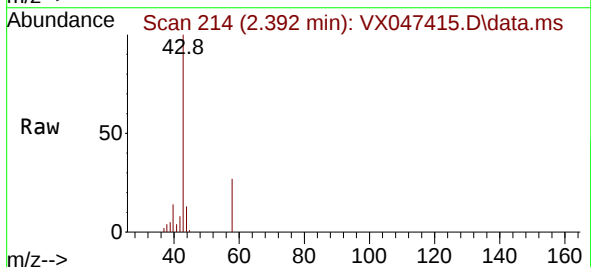
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-N

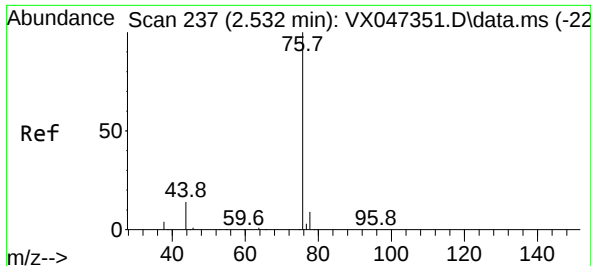
Tgt Ion: 59 Resp: 360
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 11.573 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

Tgt Ion: 43 Resp: 12413
Ion Ratio Lower Upper
43 100
58 30.0 24.8 37.2

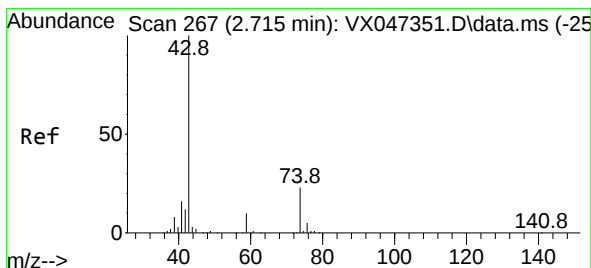
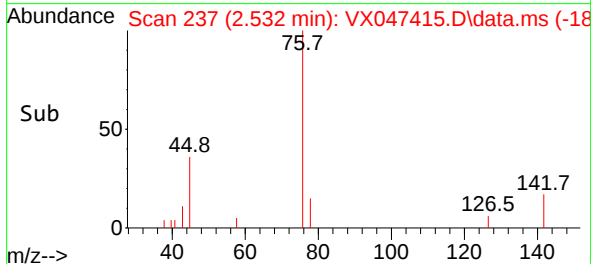
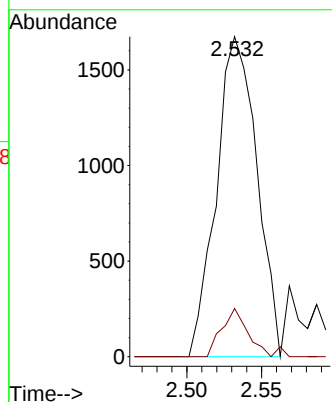
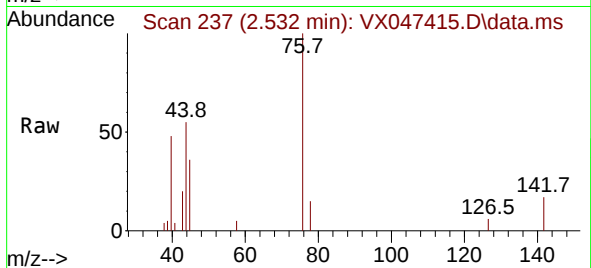




#17
Carbon Disulfide
Concen: 0.407 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

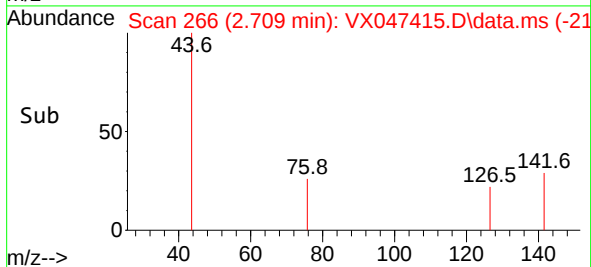
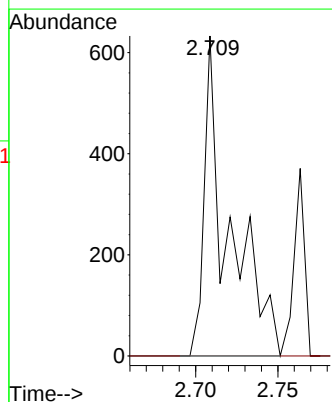
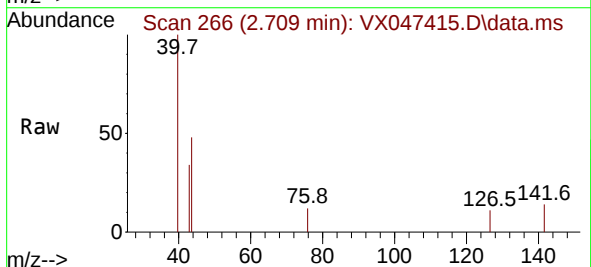
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-N

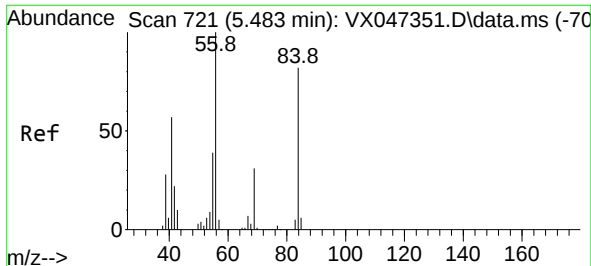
Tgt Ion: 76 Resp: 3150
Ion Ratio Lower Upper
76 100
78 15.1 7.2 10.8#



#18
Methyl Acetate
Concen: 0.235 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

Tgt Ion: 43 Resp: 652
Ion Ratio Lower Upper
43 100
74 0.0 18.4 27.6#

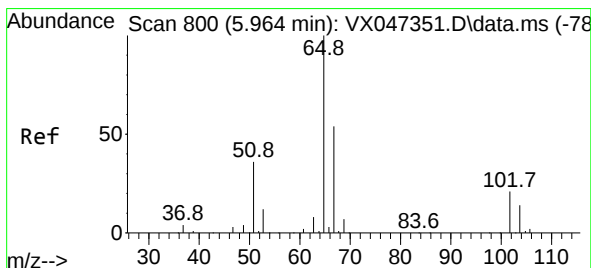
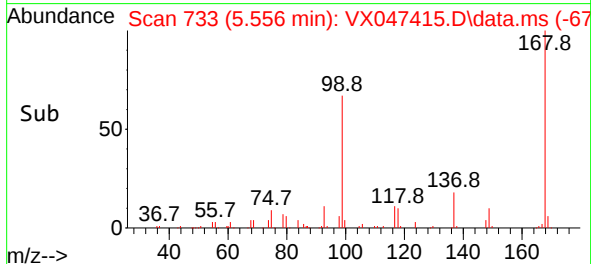
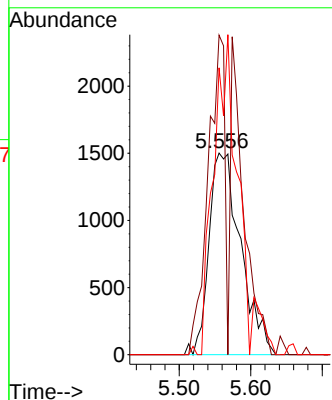
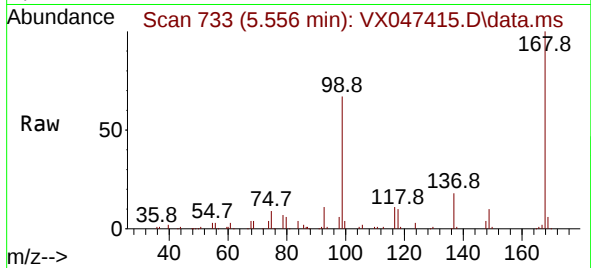




#31
Cyclohexane
Concen: 1.009 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

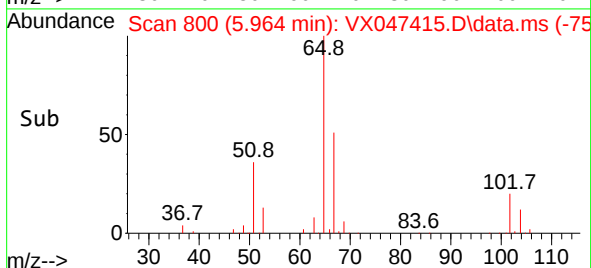
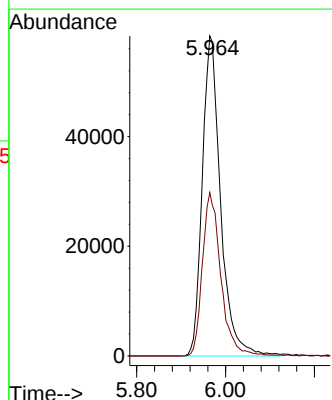
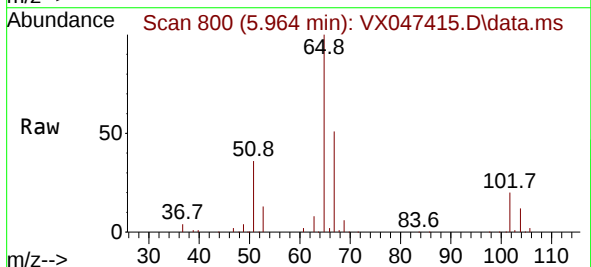
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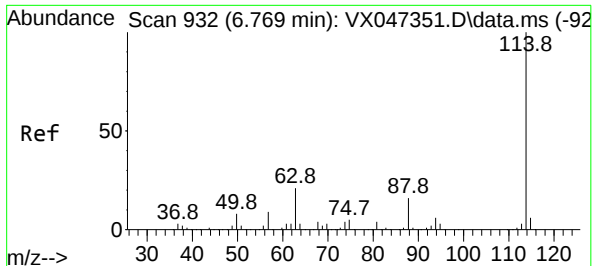
Tgt Ion: 56 Resp: 4632
Ion Ratio Lower Upper
56 100
69 158.5 24.3 36.5#
84 142.3 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 58.688 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

Tgt Ion: 65 Resp: 167475
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.0

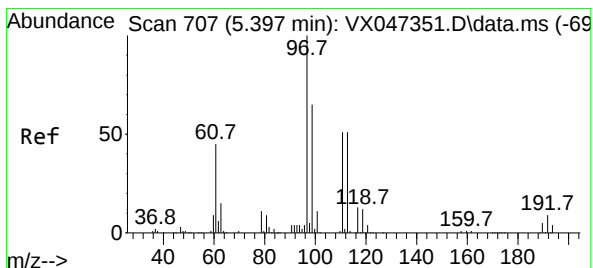
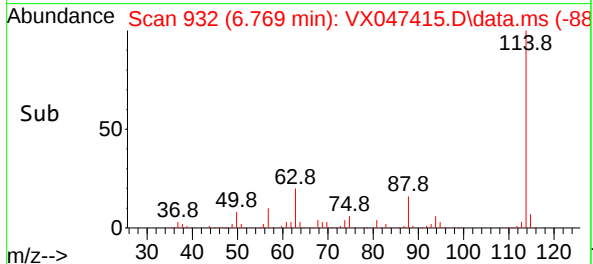
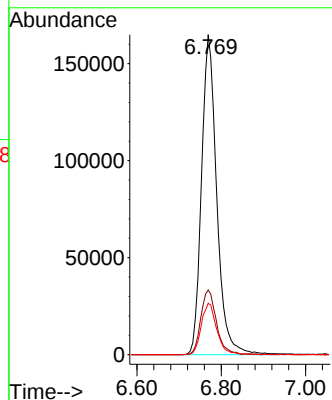
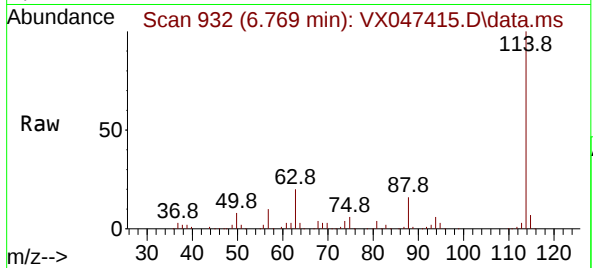




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

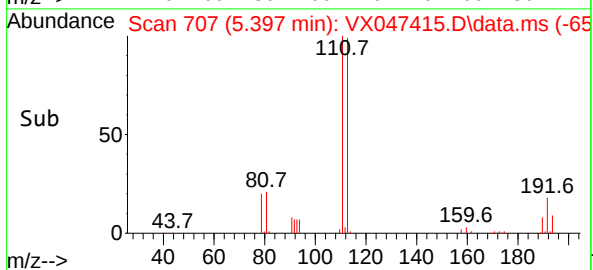
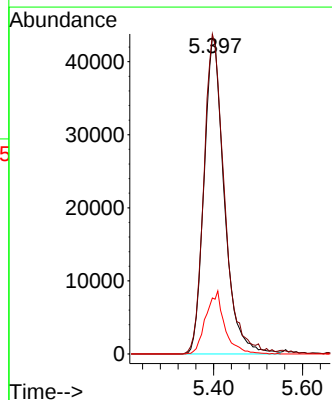
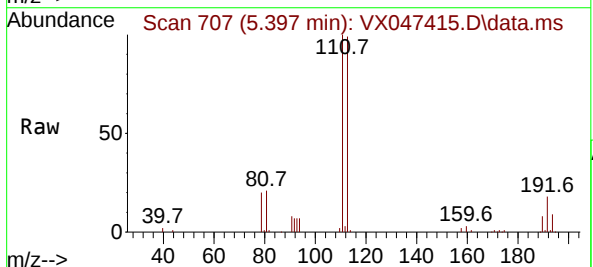
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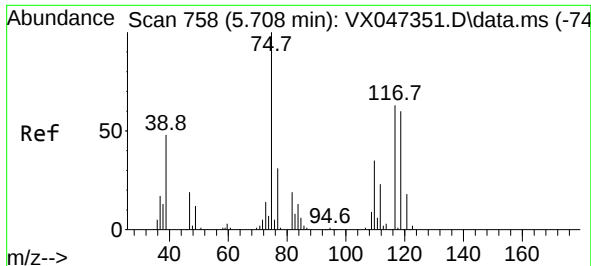
Tgt Ion:114 Resp: 414517
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.4
88 16.1 0.0 33.0



#35
Dibromofluoromethane
Concen: 51.118 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

Tgt Ion:113 Resp: 137520
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.2
192 18.5 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.958 ug/l

RT: 5.568 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX047415.D

Acq: 19 Aug 2025 16:14

Instrument :

MSVOA_X

ClientSampleId :

TW-11M-N

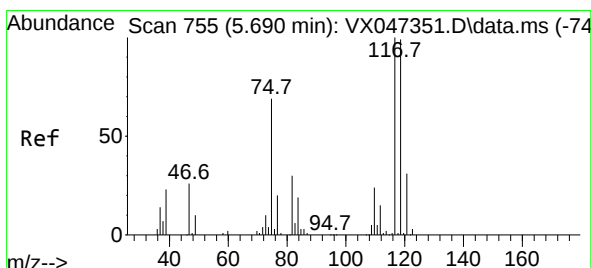
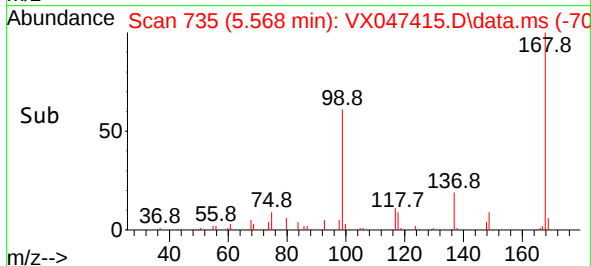
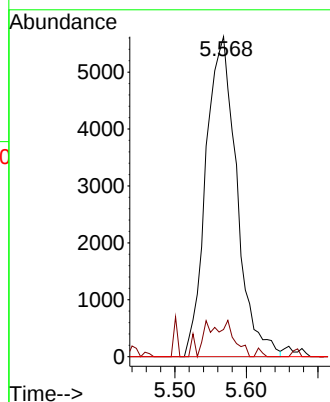
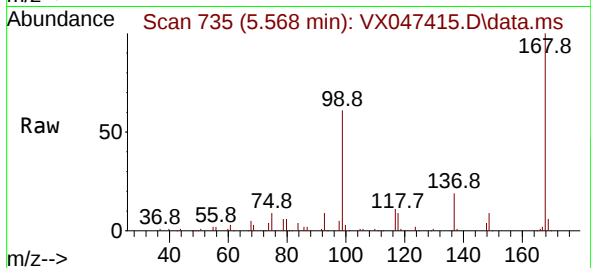
Tgt Ion: 75 Resp: 16809

Ion Ratio Lower Upper

75 100

110 0.0 17.4 52.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.509 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.122 min

Lab File: VX047415.D

Acq: 19 Aug 2025 16:14

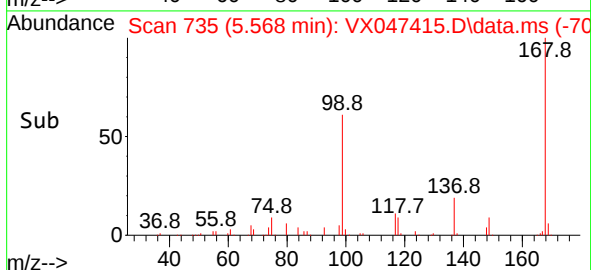
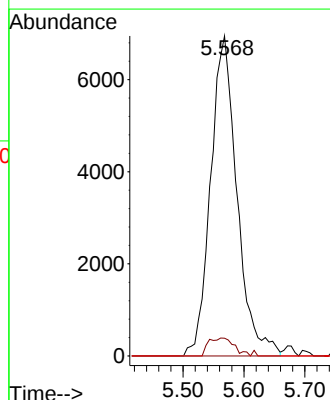
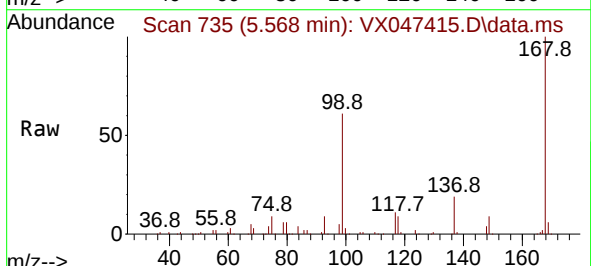
Tgt Ion: 117 Resp: 20924

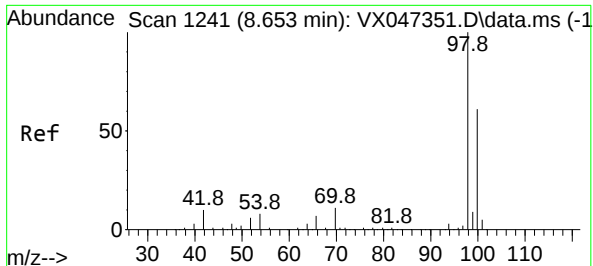
Ion Ratio Lower Upper

117 100

119 5.5 78.5 117.7#

121 0.0 24.7 37.1#

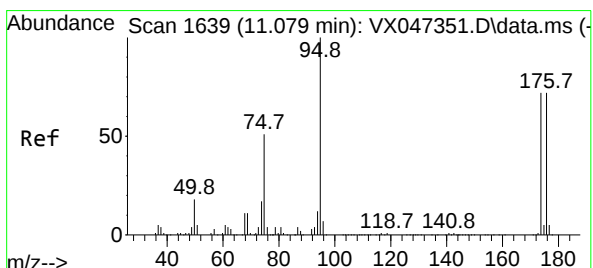
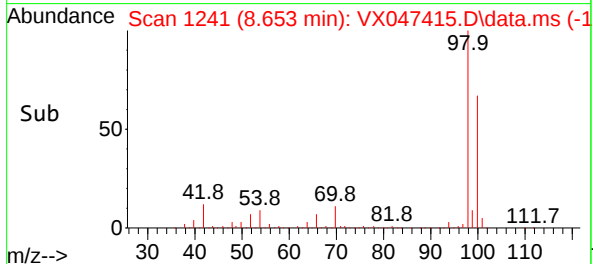
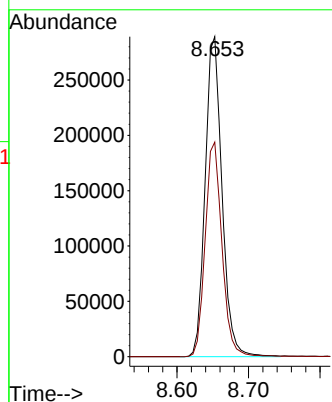
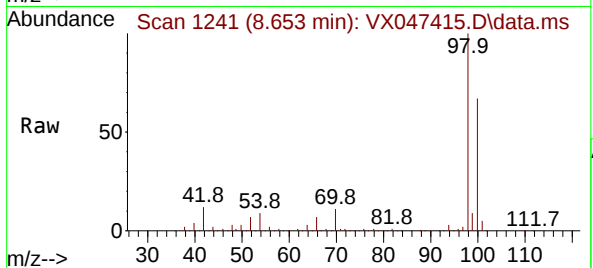




#50
Toluene-d8
Concen: 49.324 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

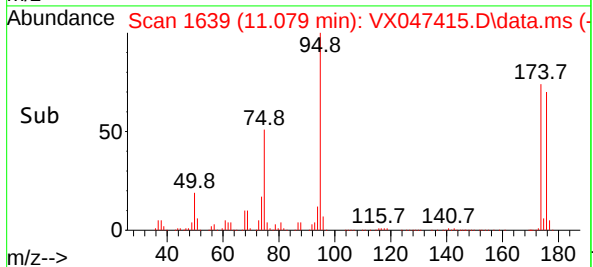
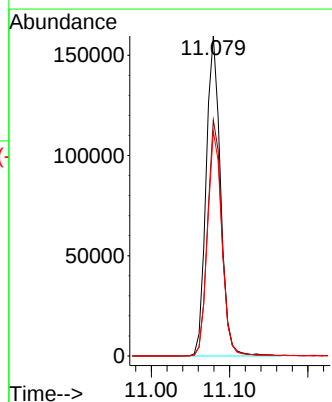
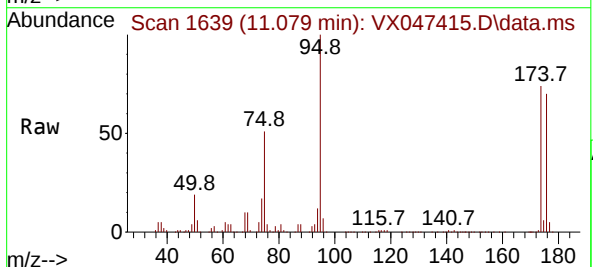
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-N

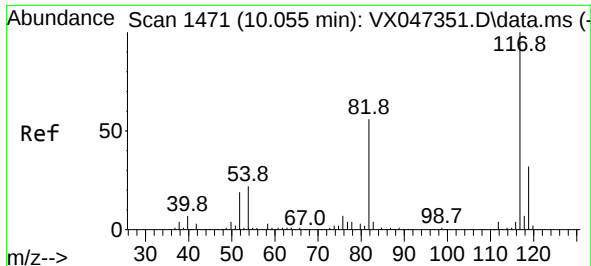
Tgt Ion: 98 Resp: 474287
Ion Ratio Lower Upper
98 100
100 66.9 53.9 80.9



#62
4-Bromofluorobenzene
Concen: 57.145 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

Tgt Ion: 95 Resp: 202773
Ion Ratio Lower Upper
95 100
174 73.9 0.0 148.0
176 70.7 0.0 145.4

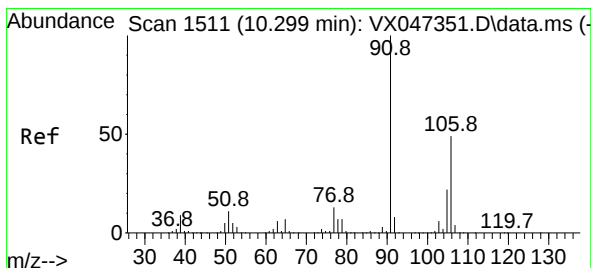
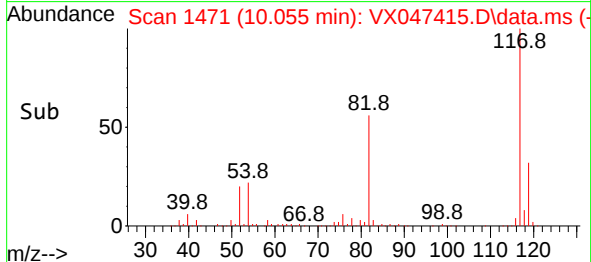
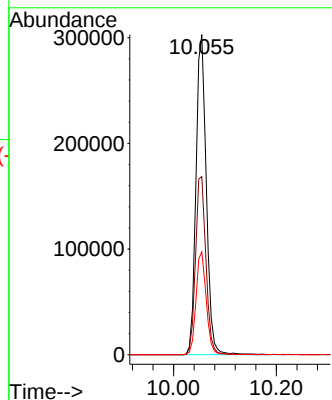
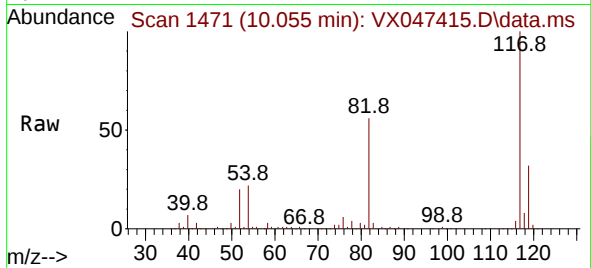




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

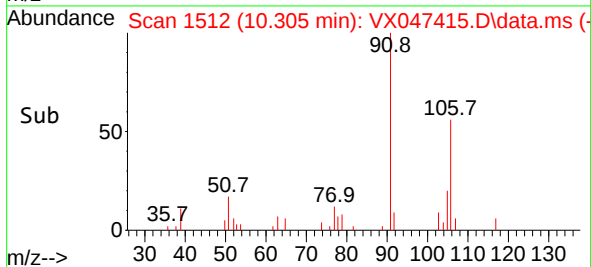
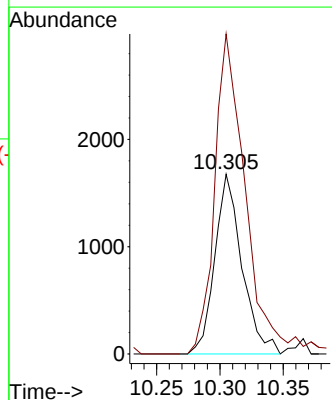
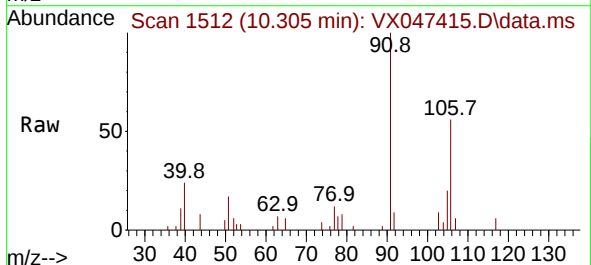
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-N

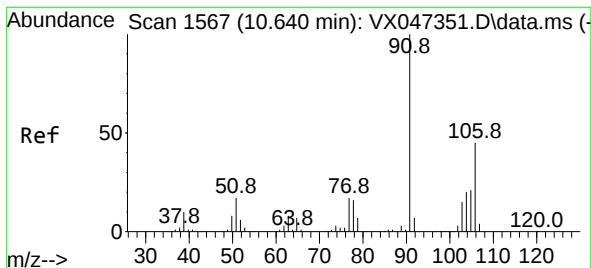
Tgt Ion:117 Resp: 421598
Ion Ratio Lower Upper
117 100
82 55.6 45.0 67.4
119 32.2 25.8 38.8



#68
m/p-Xylenes
Concen: 0.389 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

Tgt Ion:106 Resp: 2499
Ion Ratio Lower Upper
106 100
91 203.5 164.7 247.1





#69

o-Xylene

Concen: 0.525 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047415.D

Acq: 19 Aug 2025 16:14

Instrument :

MSVOA_X

ClientSampleId :

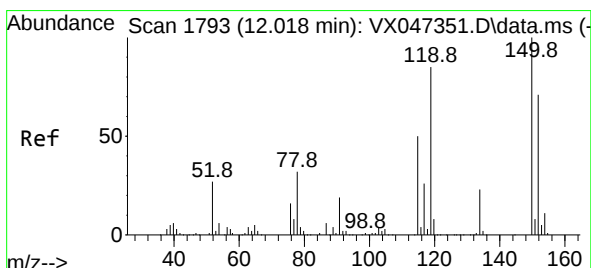
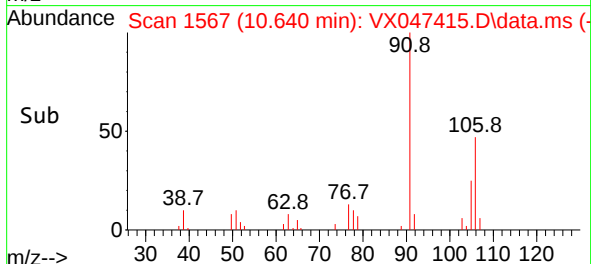
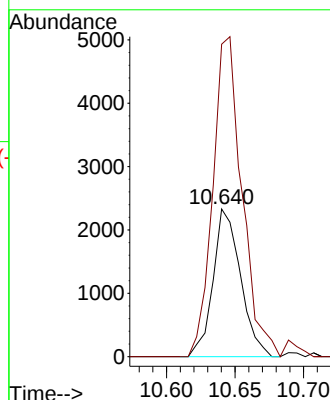
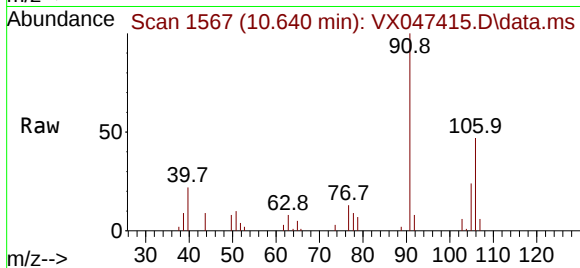
TW-11M-N

Tgt Ion:106 Resp: 3247

Ion Ratio Lower Upper

106 100

91 230.1 110.6 331.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047415.D

Acq: 19 Aug 2025 16:14

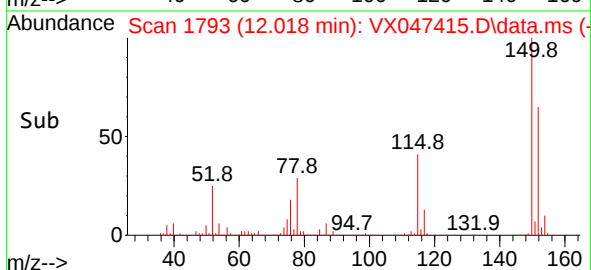
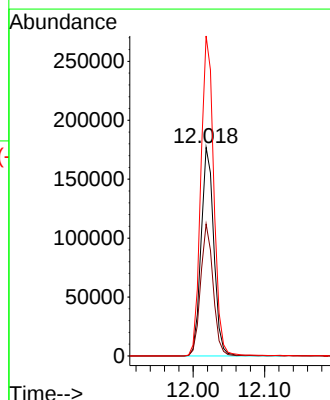
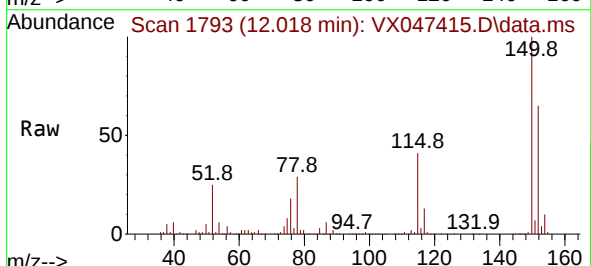
Tgt Ion:152 Resp: 218704

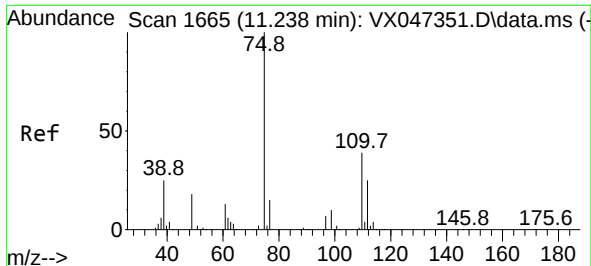
Ion Ratio Lower Upper

152 100

115 62.2 44.6 133.8

150 156.1 0.0 349.8

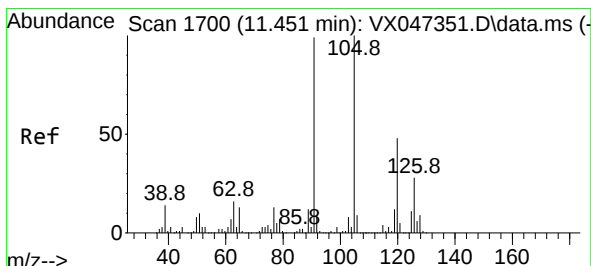
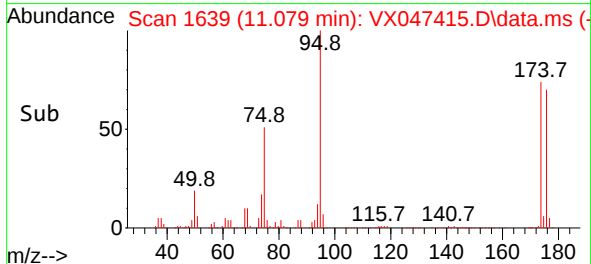
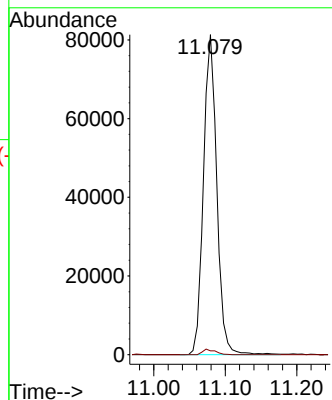
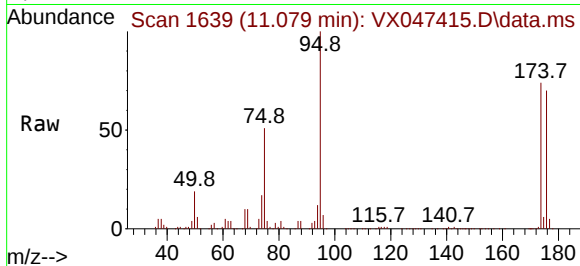




#76
1,2,3-Trichloropropane
Concen: 26.276 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.159 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

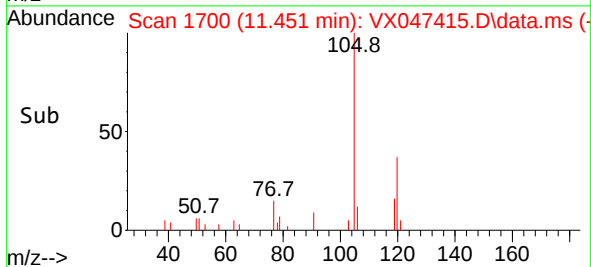
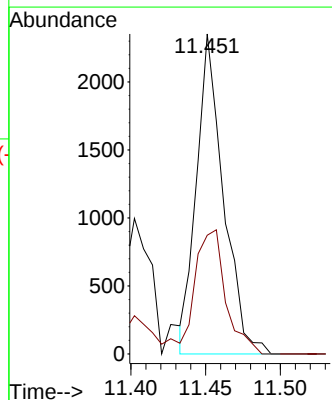
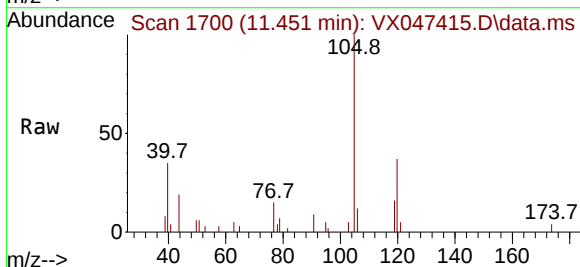
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-N

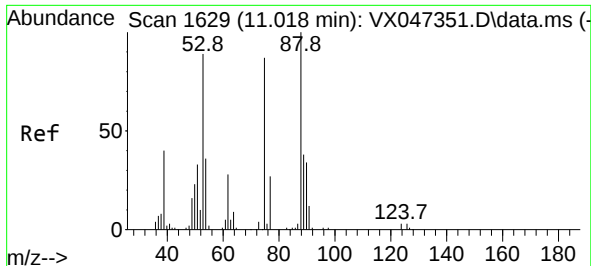
Tgt Ion: 75 Resp: 105402
Ion Ratio Lower Upper
75 100
77 1.6 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.209 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

Tgt Ion:105 Resp: 2948
Ion Ratio Lower Upper
105 100
120 43.4 23.9 71.7

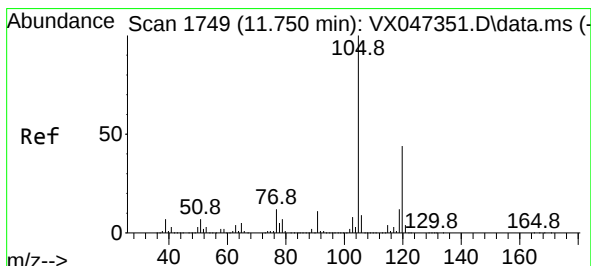
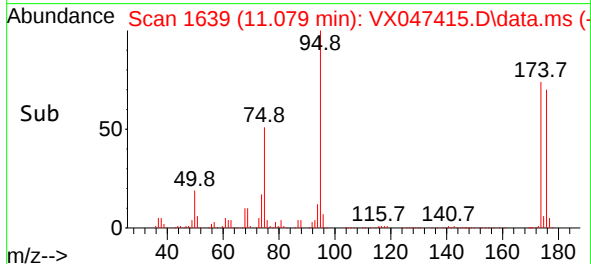
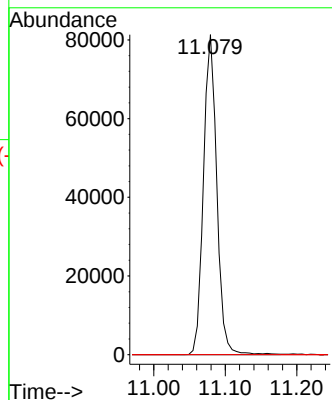
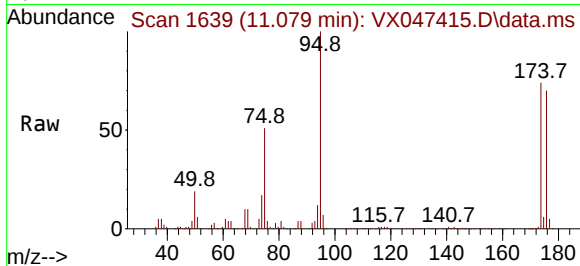




#81
trans-1,4-Dichloro-2-butene
Concen: 104.117 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

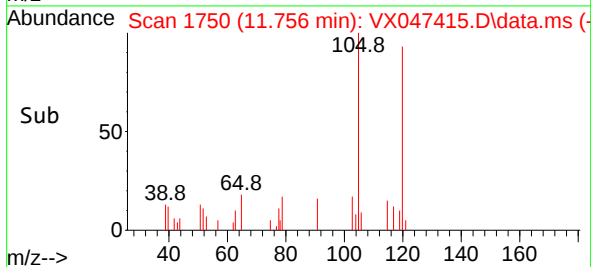
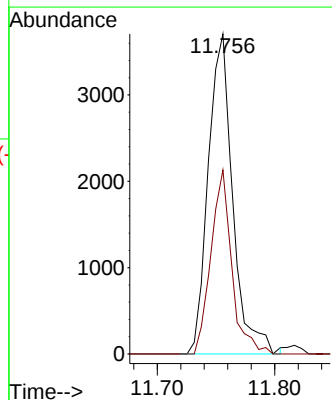
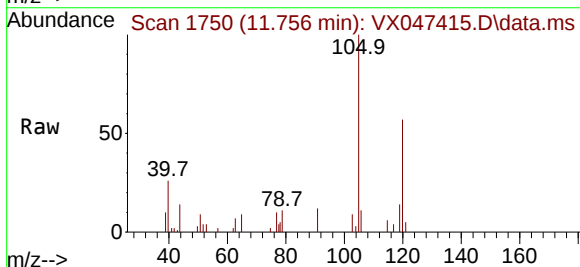
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-N

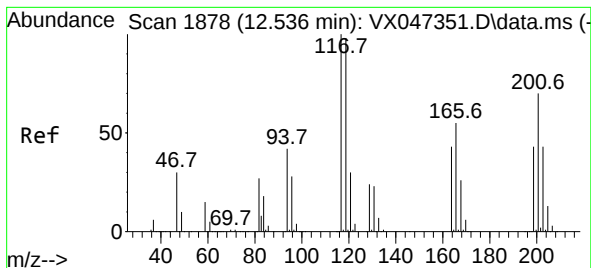
Tgt Ion: 75 Resp: 105402
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#



#84
1,2,4-Trimethylbenzene
Concen: 0.381 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

Tgt Ion:105 Resp: 5362
Ion Ratio Lower Upper
105 100
120 49.0 21.9 65.7





#90

Hexachloroethane

Concen: 5.418 ug/l

RT: 12.695 min Scan# 1904

Delta R.T. 0.159 min

Lab File: VX047415.D

Acq: 19 Aug 2025 16:14

Instrument :

MSVOA_X

ClientSampleId :

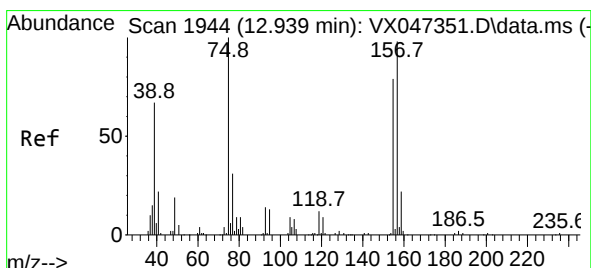
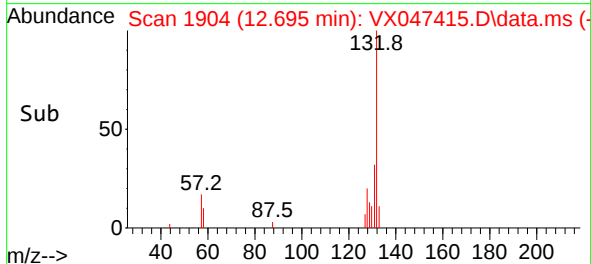
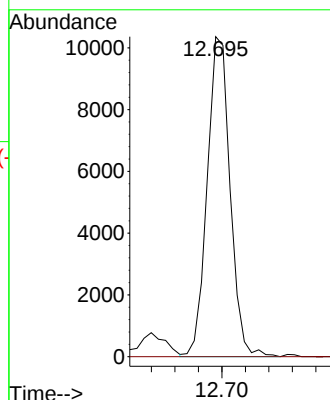
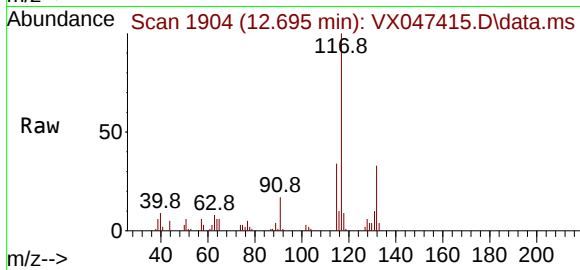
TW-11M-N

Tgt Ion:117 Resp: 14006

Ion Ratio Lower Upper

117 100

201 0.0 35.1 105.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.088 ug/l

RT: 12.969 min Scan# 1949

Delta R.T. 0.030 min

Lab File: VX047415.D

Acq: 19 Aug 2025 16:14

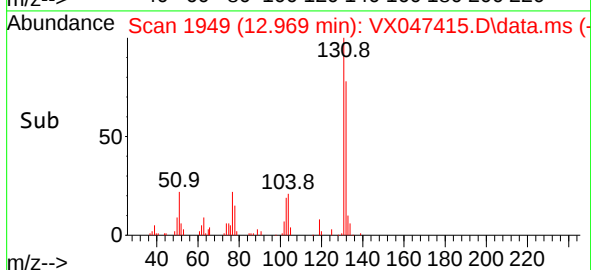
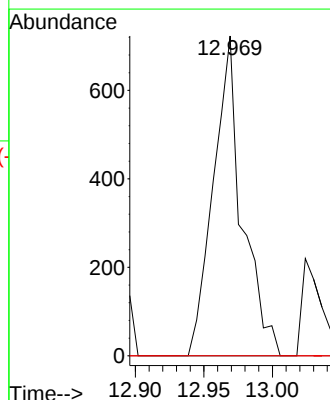
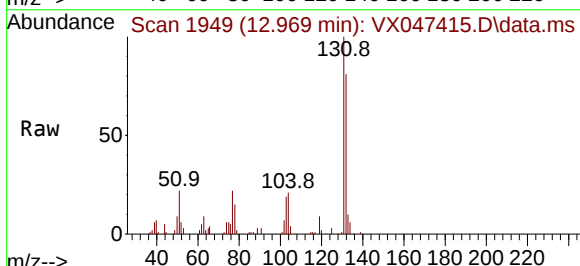
Tgt Ion: 75 Resp: 1057

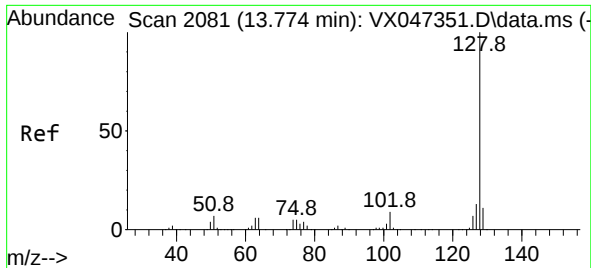
Ion Ratio Lower Upper

75 100

155 0.0 41.3 123.7#

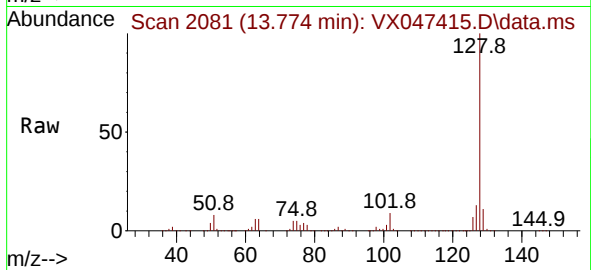
157 0.0 51.5 154.5#





#95
Naphthalene
Concen: 148.760 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047415.D
Acq: 19 Aug 2025 16:14

Instrument :
MSVOA_X
ClientSampleId :
TW-11M-N



Tgt Ion:128 Resp: 2159728
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 11.2 8.7 13.1

