

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101525\
 Data File : VX048182.D
 Acq On : 15 Oct 2025 10:26
 Operator : JC/MD
 Sample : VX1015MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 16 04:01:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

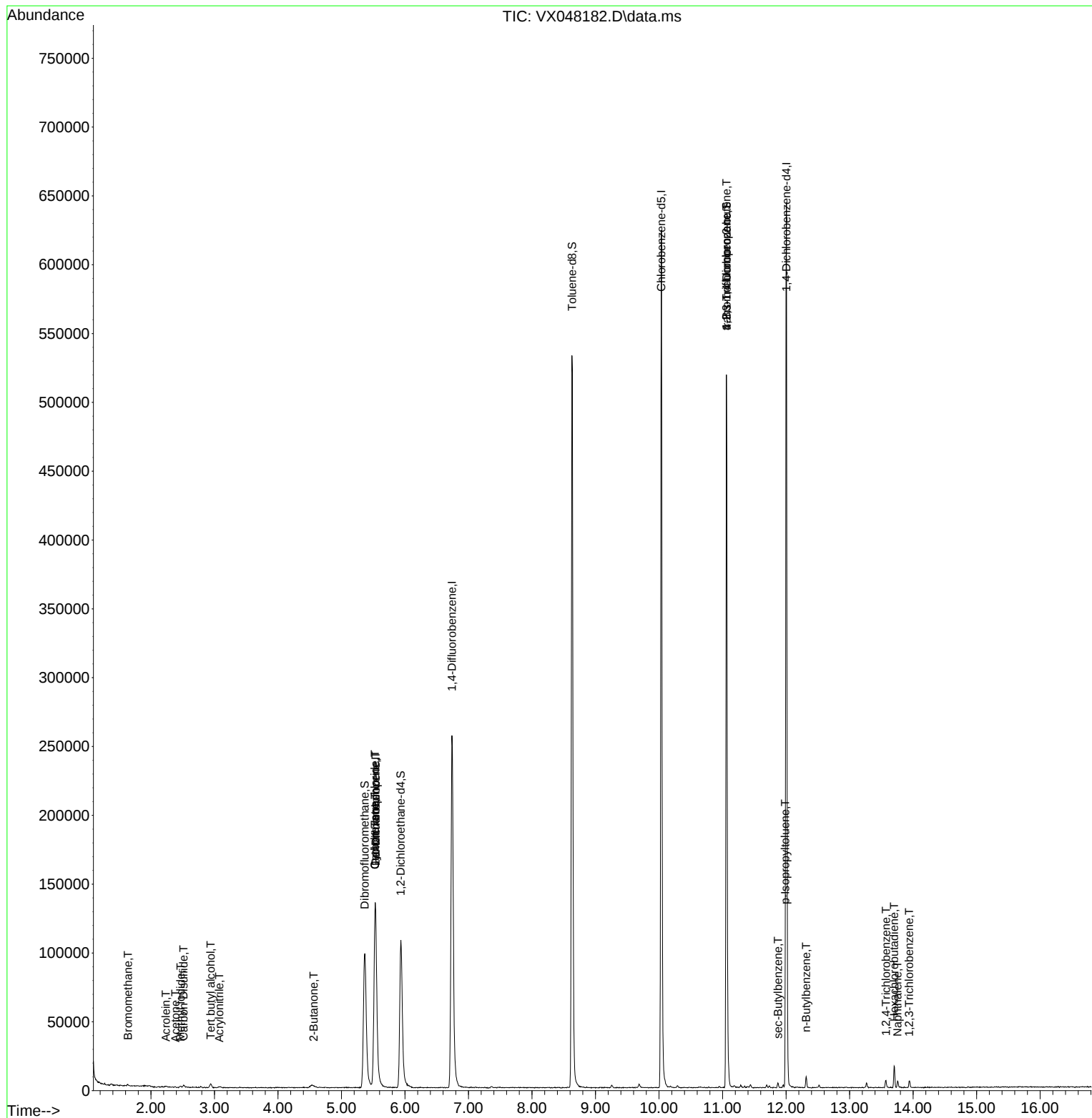
Internal Standards						
1) Pentafluorobenzene	5.537	168	136060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	280699	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	278520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	134008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	117474	54.242	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.480%	
35) Dibromofluoromethane	5.367	113	98372	52.255	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.520%	
50) Toluene-d8	8.628	98	332682	51.073	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.140%	
62) 4-Bromofluorobenzene	11.061	95	138838	56.161	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.320%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	624	0.543	ug/l	85
10) Methyl Iodide	2.465	142	1367	0.557	ug/l #	85
11) Tert butyl alcohol	2.940	59	1592	6.600	ug/l #	72
13) Acrolein	2.233	56	335	1.507	ug/l	99
15) Acrylonitrile	3.075	53	303	0.339	ug/l #	53
16) Acetone	2.386	43	536	0.569	ug/l #	45
17) Carbon Disulfide	2.514	76	1966	0.444	ug/l #	94
25) 2-Butanone	4.562	43	376	0.320	ug/l #	50
31) Cyclohexane	5.525	56	3323	1.161	ug/l #	23
36) 1,1-Dichloropropene	5.537	75	11298	4.107	ug/l #	52
38) Carbon Tetrachloride	5.525	117	14907	4.988	ug/l #	20
76) 1,2,3-Trichloropropane	11.061	75	74993	27.640	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	74993	70.485	ug/l #	8
85) sec-Butylbenzene	11.872	105	2048	0.201	ug/l	97
86) p-Isopropyltoluene	11.988	119	1872	0.217	ug/l #	80
89) n-Butylbenzene	12.317	91	3061	0.384	ug/l	99
93) 1,2,4-Trichlorobenzene	13.573	180	1461	0.506	ug/l	89
94) Hexachlorobutadiene	13.701	225	2057	2.099	ug/l	98
95) Naphthalene	13.756	128	3713	0.423	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.938	180	1525	0.568	ug/l	97

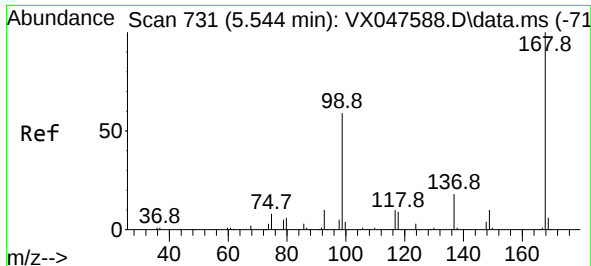
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

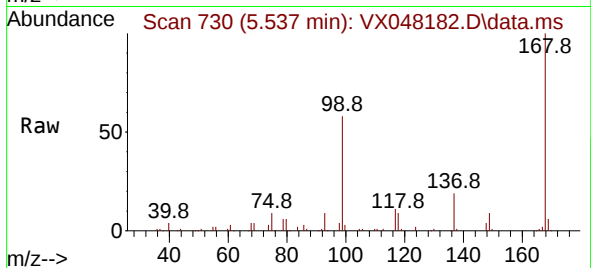
Quant Time: Oct 16 04:01:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



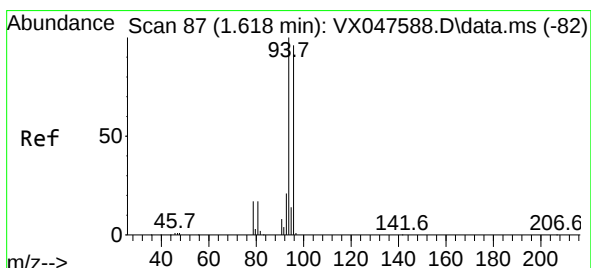
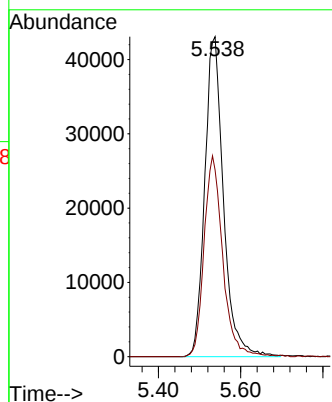
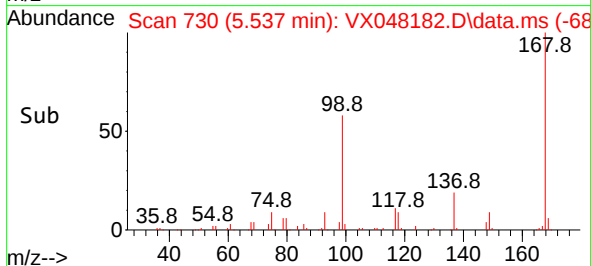


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048182.D
Acq: 15 Oct 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :

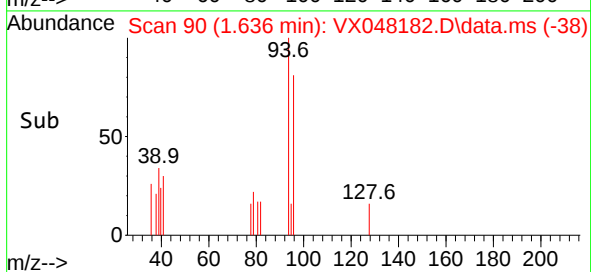
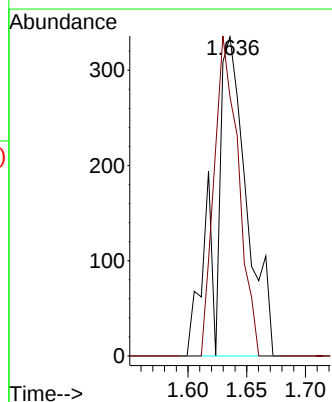
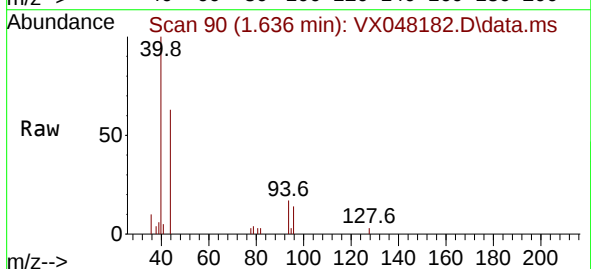


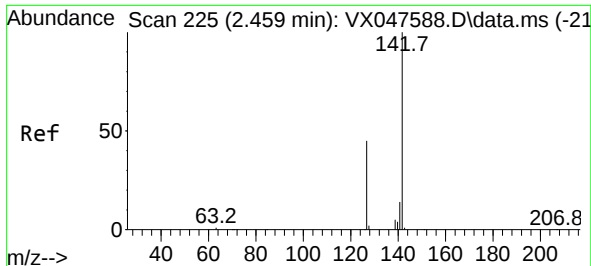
Tgt Ion:168 Resp: 136060
Ion Ratio Lower Upper
168 100
99 58.4 48.8 73.2



#5
Bromomethane
Concen: 0.543 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.018 min
Lab File: VX048182.D
Acq: 15 Oct 2025 10:26

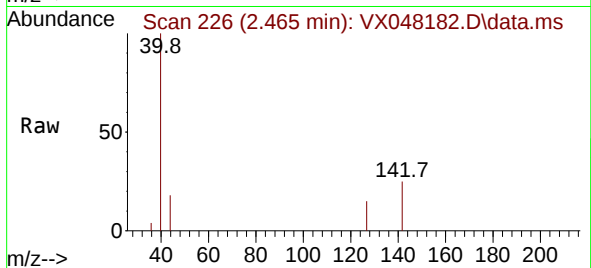
Tgt Ion: 94 Resp: 624
Ion Ratio Lower Upper
94 100
96 81.2 76.6 115.0



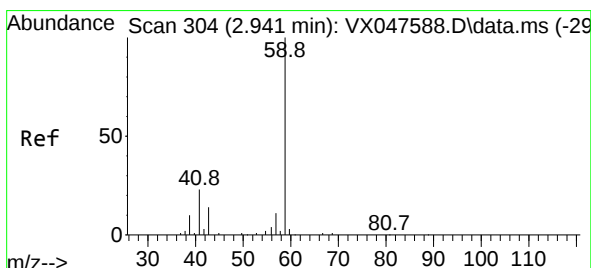
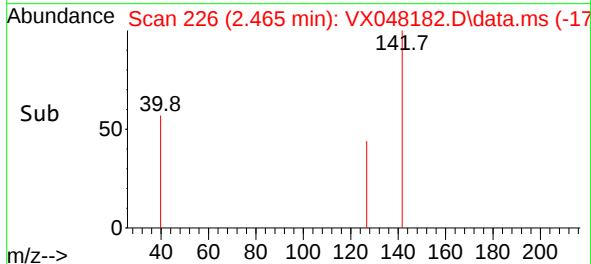
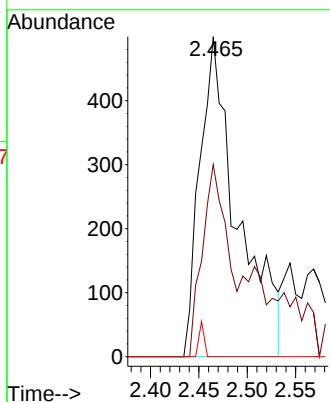


#10
Methyl Iodide
Concen: 0.557 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048182.D
Acq: 15 Oct 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :

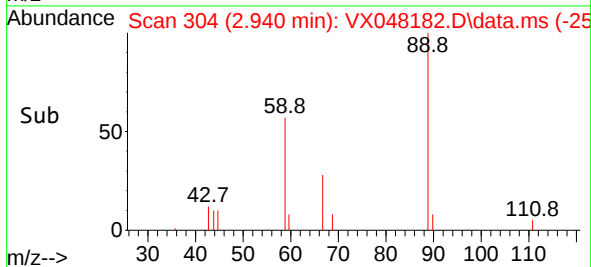
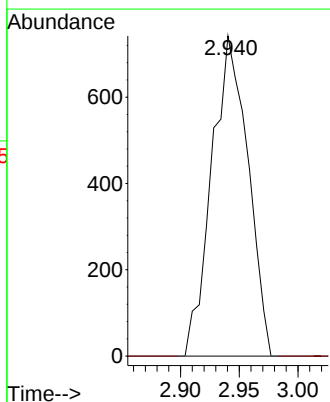
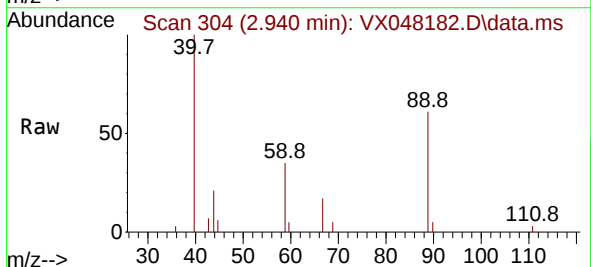


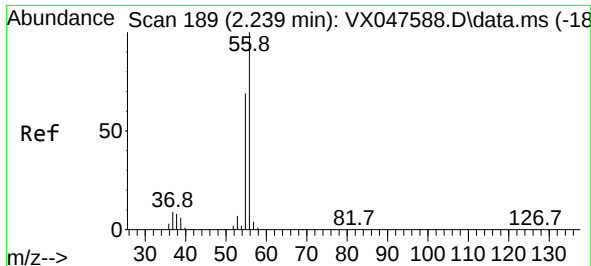
Tgt Ion:142 Resp: 1367
Ion Ratio Lower Upper
142 100
127 39.9 37.2 55.8
141 1.5 11.4 17.0#



#11
Tert butyl alcohol
Concen: 6.600 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048182.D
Acq: 15 Oct 2025 10:26

Tgt Ion: 59 Resp: 1592
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

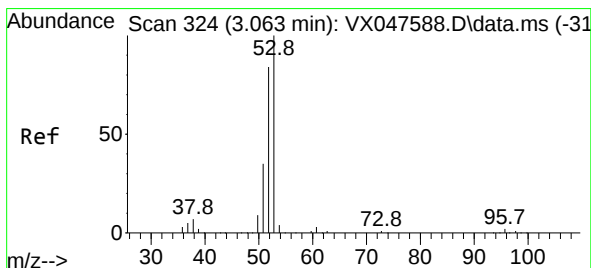
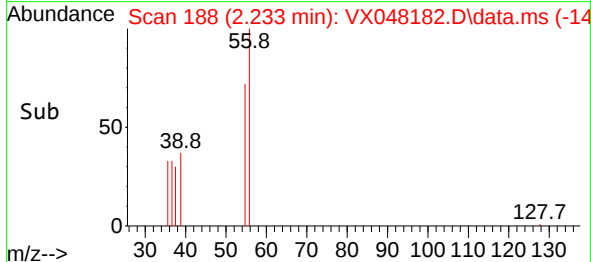
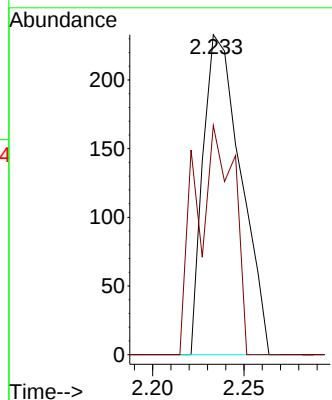
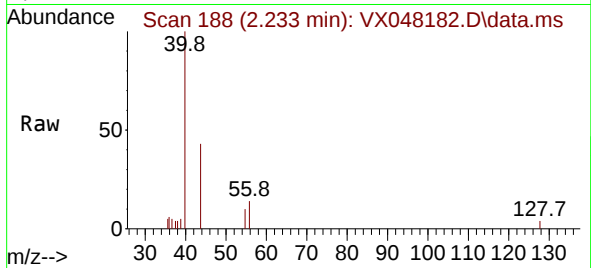




#13
Acrolein
Concen: 1.507 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048182.D
Acq: 15 Oct 2025 10:26

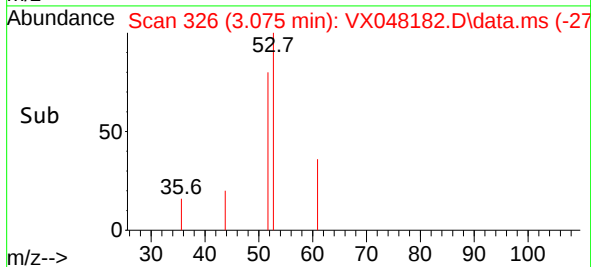
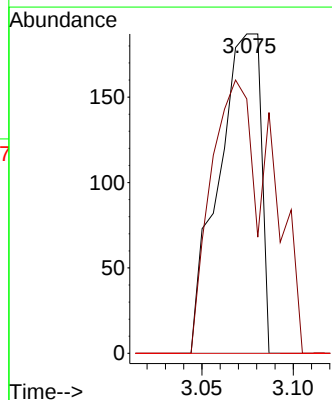
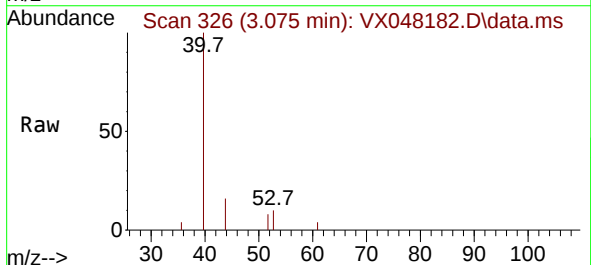
Instrument :
MSVOA_X
ClientSampleId :

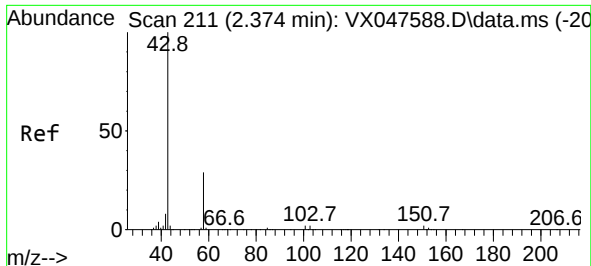
Tgt Ion: 56 Resp: 335
Ion Ratio Lower Upper
56 100
55 71.9 57.2 85.8



#15
Acrylonitrile
Concen: 0.339 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.012 min
Lab File: VX048182.D
Acq: 15 Oct 2025 10:26

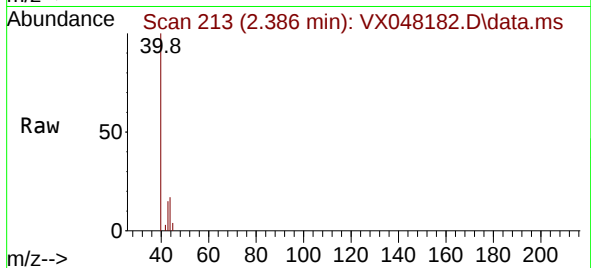
Tgt Ion: 53 Resp: 303
Ion Ratio Lower Upper
53 100
52 119.8 66.4 99.6#
51 0.0 29.5 44.3#



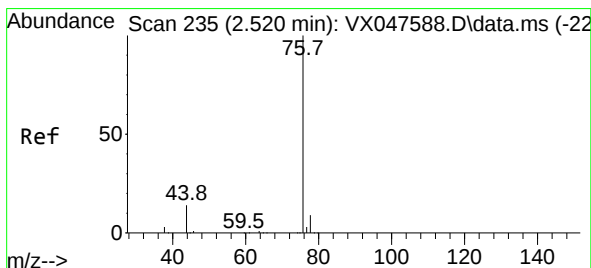
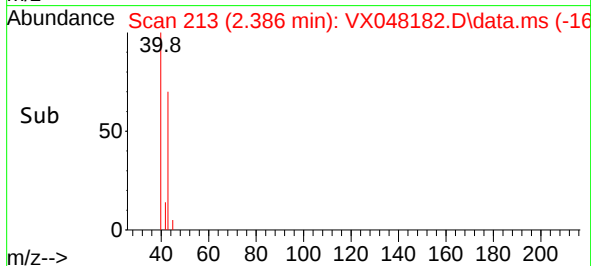
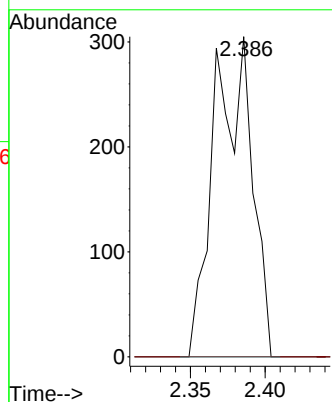


#16
Acetone
Concen: 0.569 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX048182.D
Acq: 15 Oct 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :

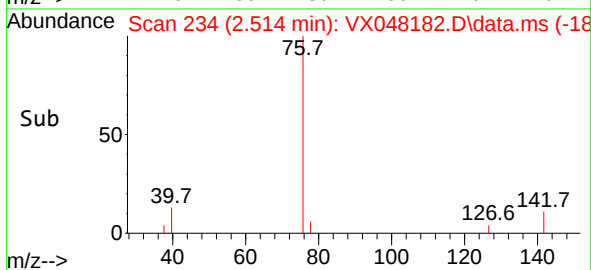
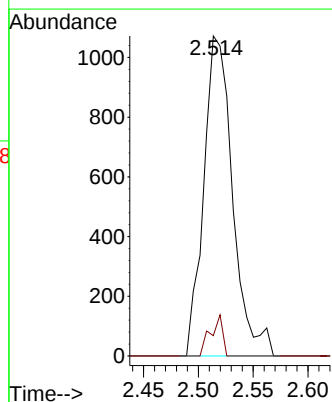
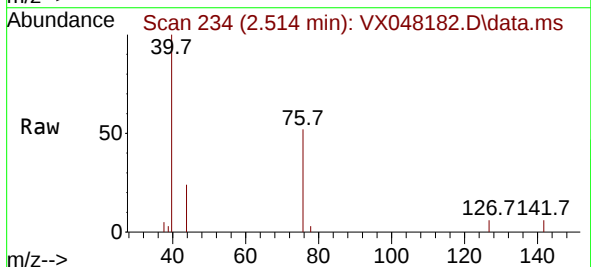


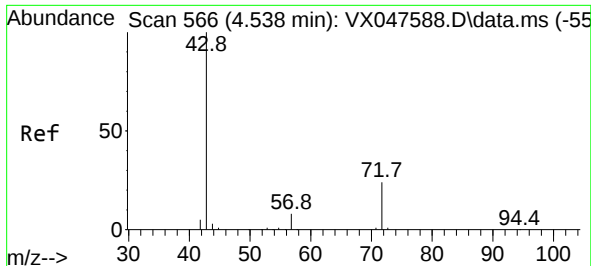
Tgt Ion: 43 Resp: 536
Ion Ratio Lower Upper
43 100
58 0.0 23.4 35.0#



#17
Carbon Disulfide
Concen: 0.444 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.006 min
Lab File: VX048182.D
Acq: 15 Oct 2025 10:26

Tgt Ion: 76 Resp: 1966
Ion Ratio Lower Upper
76 100
78 6.3 6.8 10.2#





#25

2-Butanone

Concen: 0.320 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX048182.D

Acq: 15 Oct 2025 10:26

Instrument :

MSVOA_X

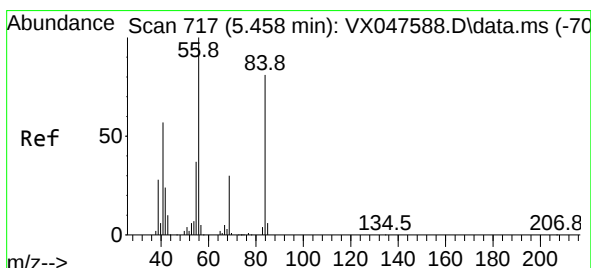
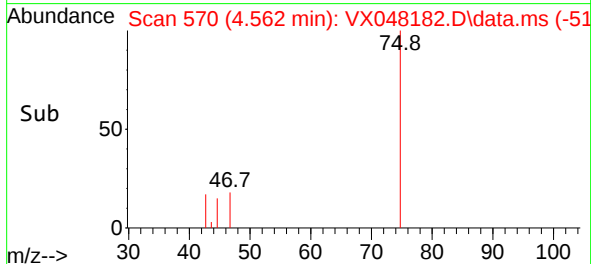
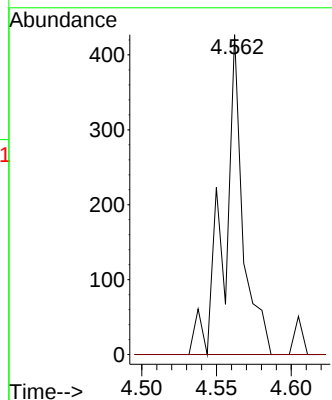
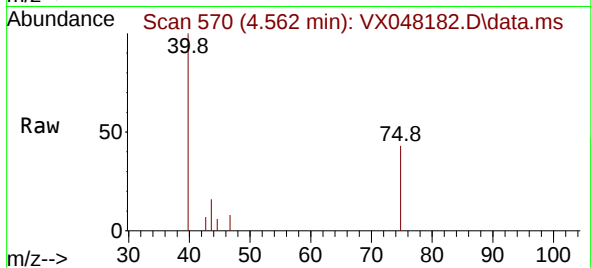
ClientSampleId :

Tgt Ion: 43 Resp: 376

Ion Ratio Lower Upper

43 100

72 0.0 20.1 30.1#



#31

Cyclohexane

Concen: 1.161 ug/l

RT: 5.525 min Scan# 728

Delta R.T. 0.067 min

Lab File: VX048182.D

Acq: 15 Oct 2025 10:26

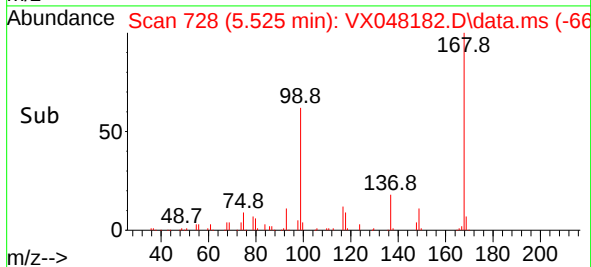
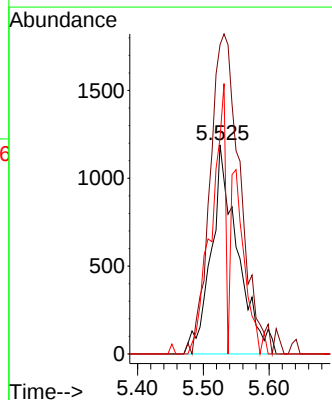
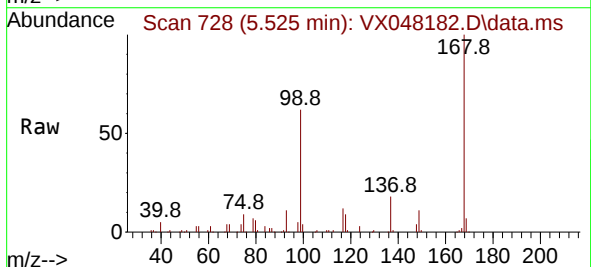
Tgt Ion: 56 Resp: 3323

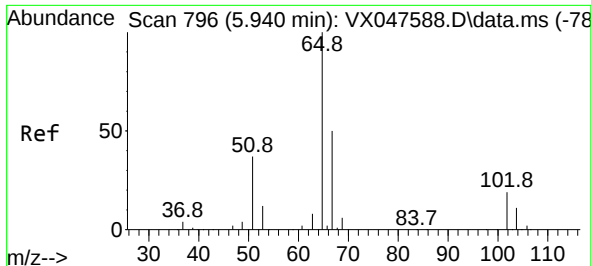
Ion Ratio Lower Upper

56 100

69 147.9 23.8 35.8#

84 103.3 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 54.242 ug/l

RT: 5.934 min Scan# 796

Delta R.T. -0.006 min

Lab File: VX048182.D

Acq: 15 Oct 2025 10:26

Instrument :

MSVOA_X

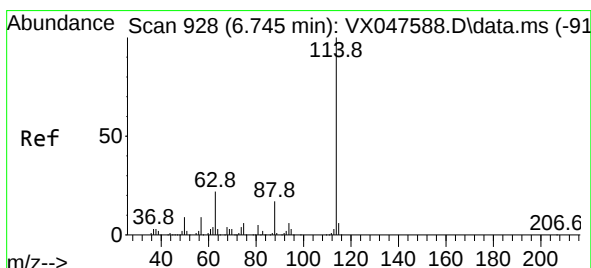
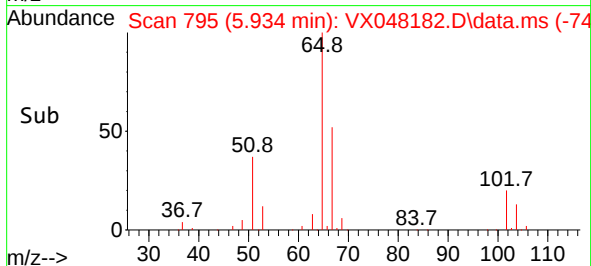
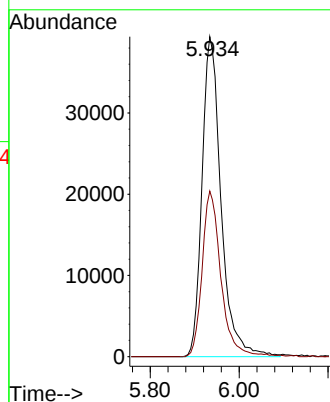
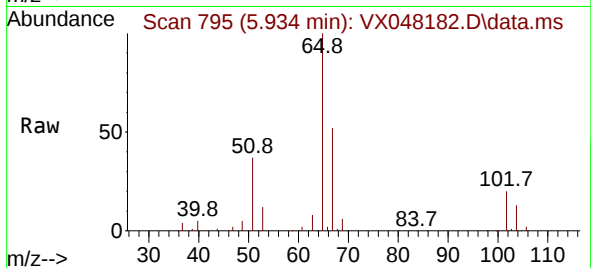
ClientSampleId :

Tgt Ion: 65 Resp: 117474

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.739 min Scan# 927

Delta R.T. -0.006 min

Lab File: VX048182.D

Acq: 15 Oct 2025 10:26

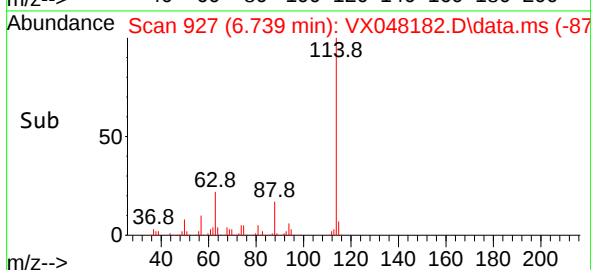
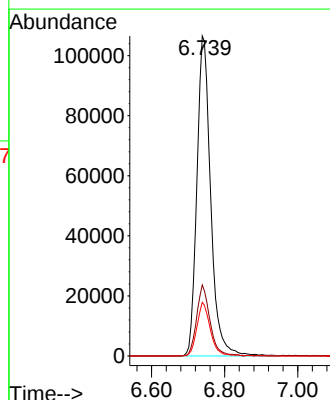
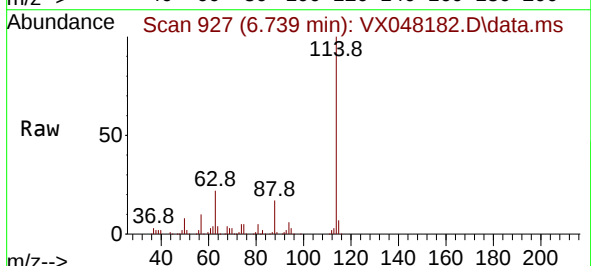
Tgt Ion: 114 Resp: 280699

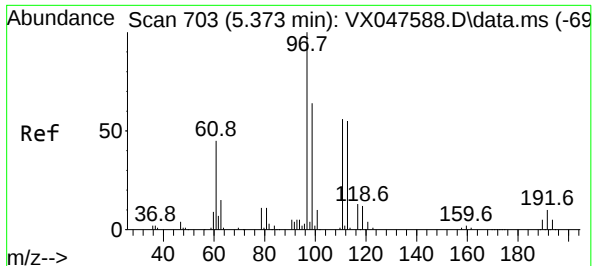
Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.0

88 16.7 0.0 34.2

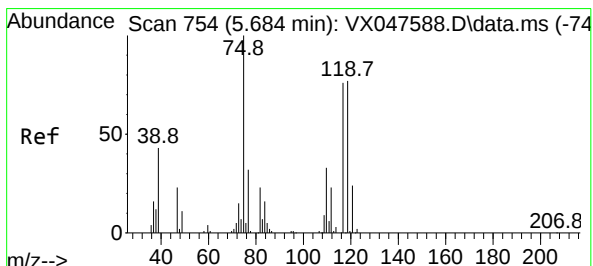
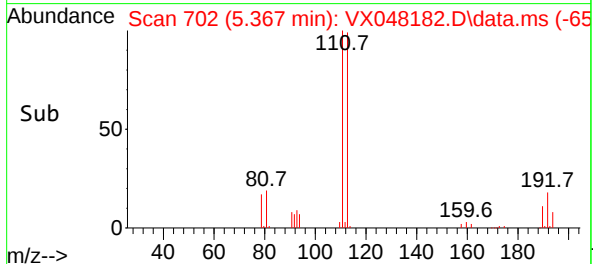
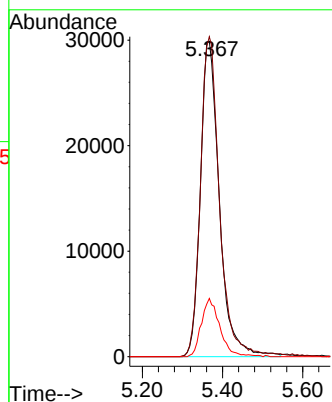
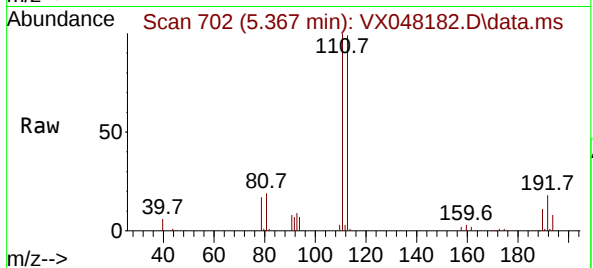




#35
Dibromofluoromethane
Concen: 52.255 ug/l
RT: 5.367 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX048182.D
Acq: 15 Oct 2025 10:26

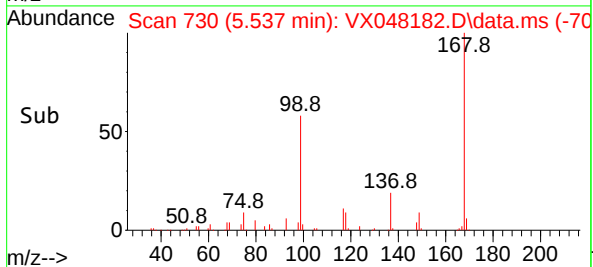
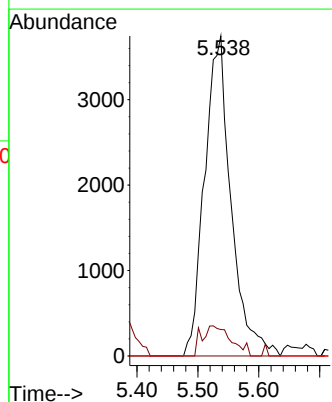
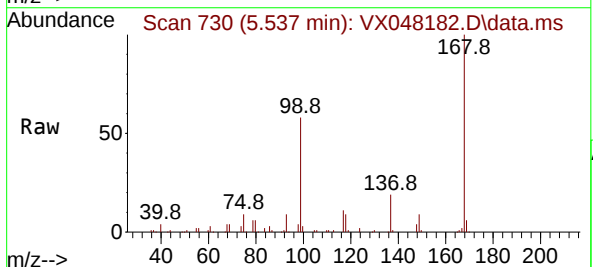
Instrument :
MSVOA_X
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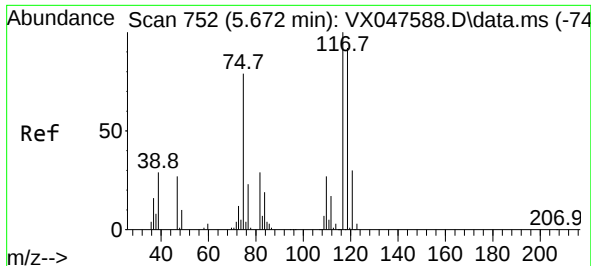
Tgt Ion:113 Resp: 98372
Ion Ratio Lower Upper
113 100
111 102.2 80.9 121.3
192 18.0 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.107 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.147 min
Lab File: VX048182.D
Acq: 15 Oct 2025 10:26

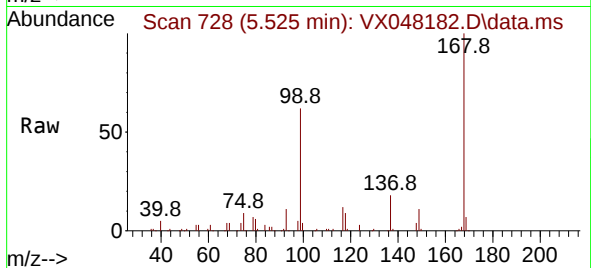
Tgt Ion: 75 Resp: 11298
Ion Ratio Lower Upper
75 100
110 10.5 16.7 50.1#
77 0.0 24.3 36.5#



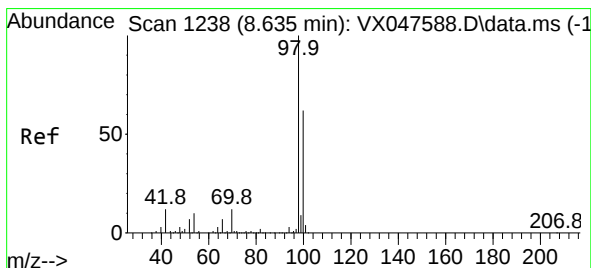
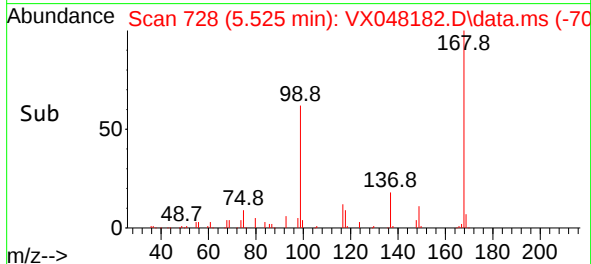
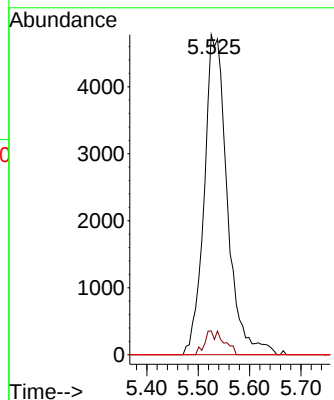


#38
Carbon Tetrachloride
Concen: 4.988 ug/l
RT: 5.525 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX048182.D
Acq: 15 Oct 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :

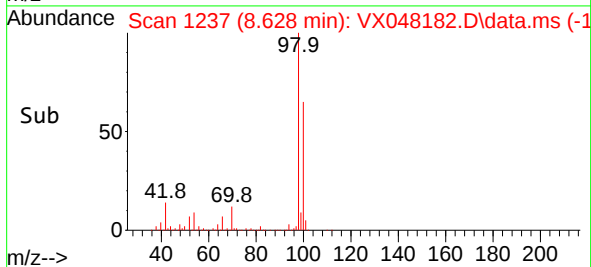
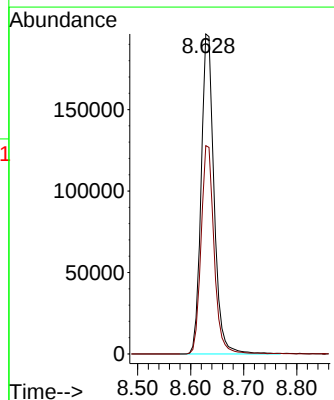
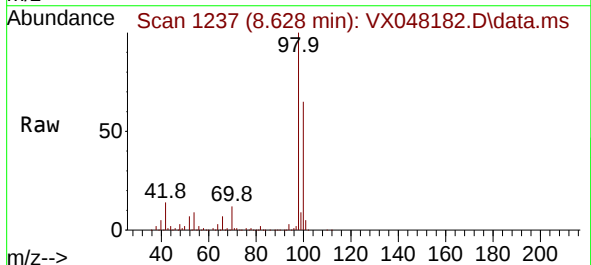


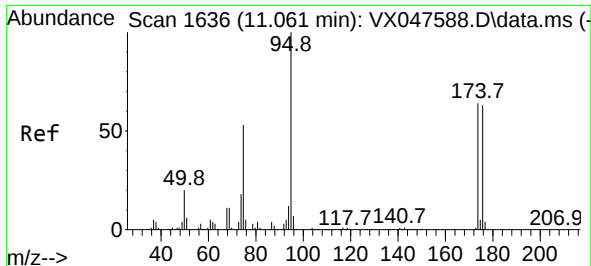
Tgt Ion:117 Resp: 14907
Ion Ratio Lower Upper
117 100
119 7.4 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 51.073 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048182.D
Acq: 15 Oct 2025 10:26

Tgt Ion: 98 Resp: 332682
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4

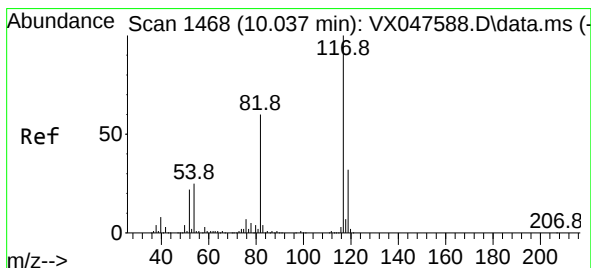
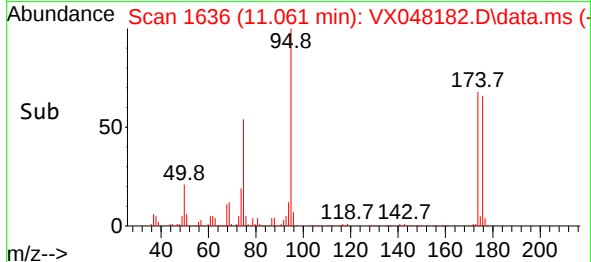
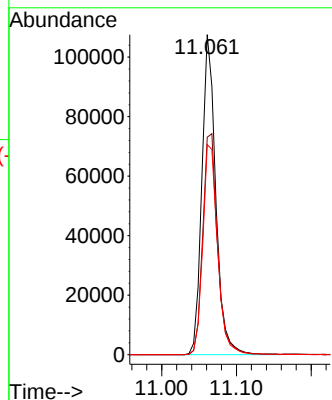
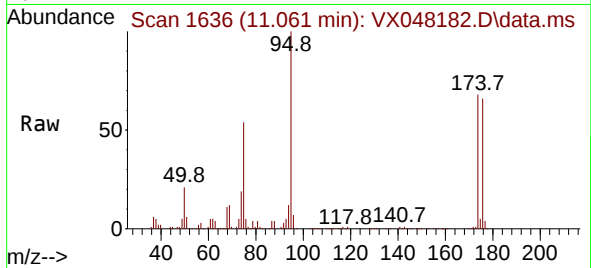




#62
4-Bromofluorobenzene
Concen: 56.161 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048182.D
Acq: 15 Oct 2025 10:26

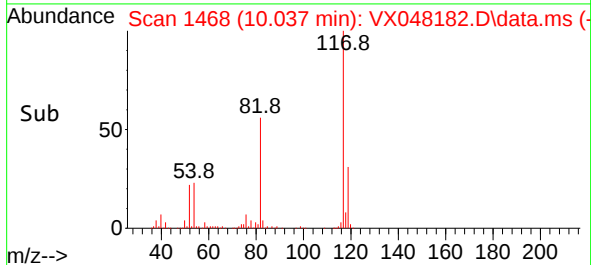
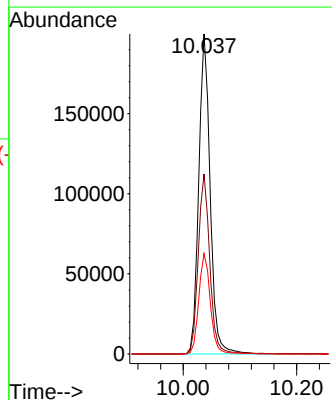
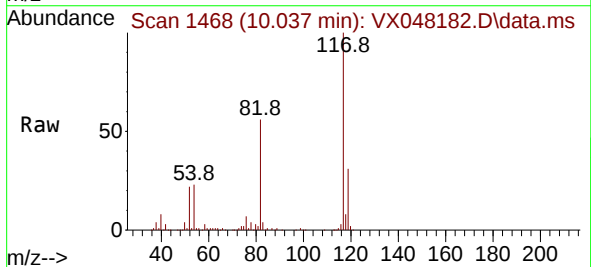
Instrument :
MSVOA_X
ClientSampleId :

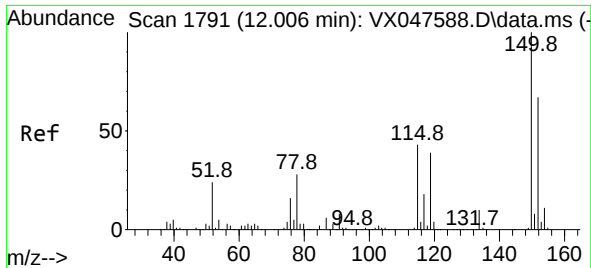
Tgt Ion: 95 Resp: 138838
Ion Ratio Lower Upper
95 100
174 73.5 0.0 141.6
176 70.2 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048182.D
Acq: 15 Oct 2025 10:26

Tgt Ion: 117 Resp: 278520
Ion Ratio Lower Upper
117 100
82 56.3 47.8 71.6
119 31.4 25.2 37.8

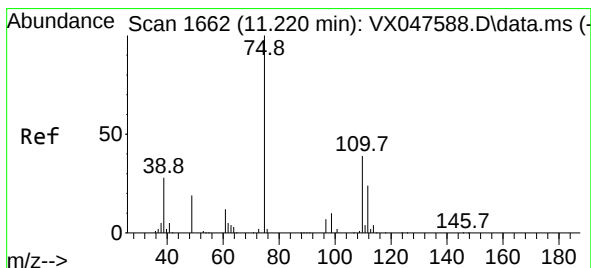
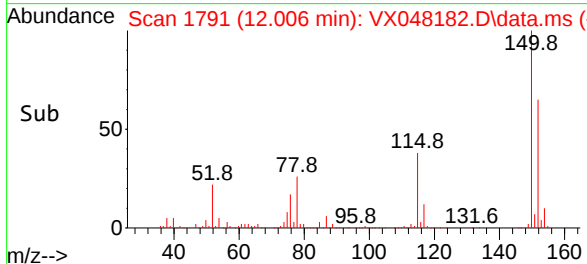
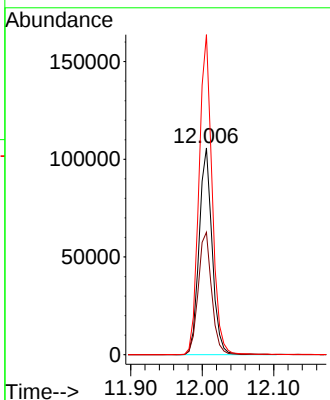
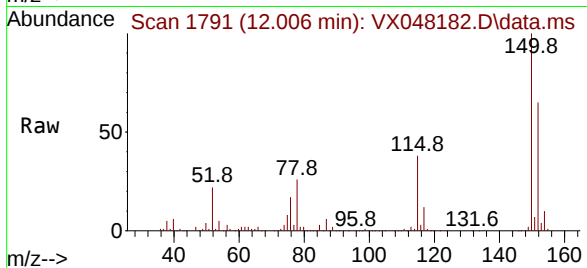




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048182.D
Acq: 15 Oct 2025 10:26

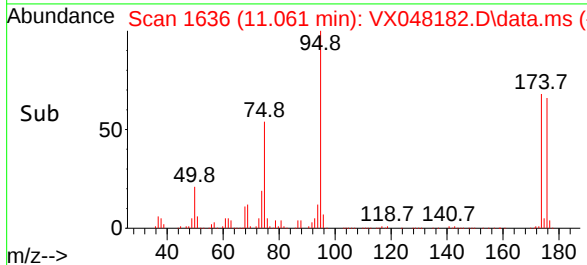
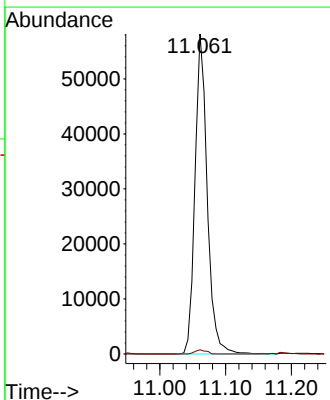
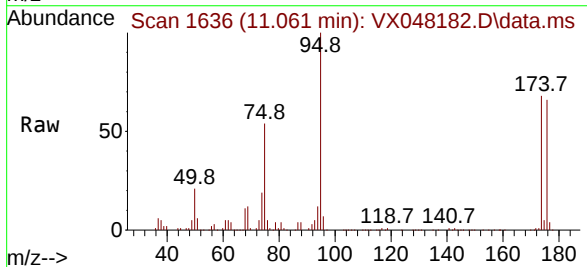
Instrument :
MSVOA_X
ClientSampleId :

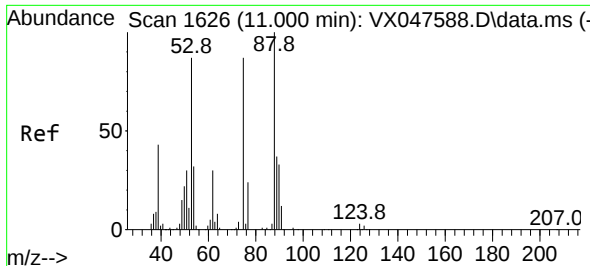
Tgt Ion:152 Resp: 134008
Ion Ratio Lower Upper
152 100
115 60.8 44.9 134.5
150 155.8 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 27.640 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048182.D
Acq: 15 Oct 2025 10:26

Tgt Ion: 75 Resp: 74993
Ion Ratio Lower Upper
75 100
77 1.2 18.8 56.4#

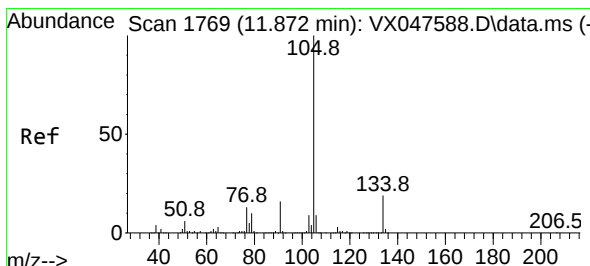
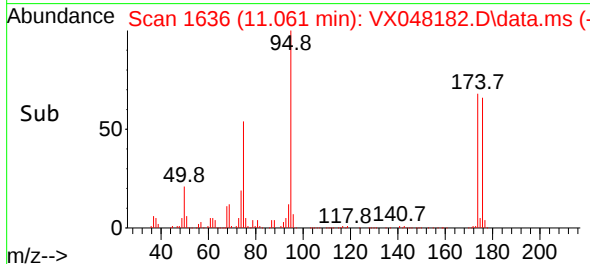
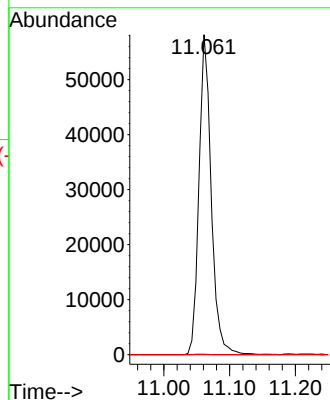
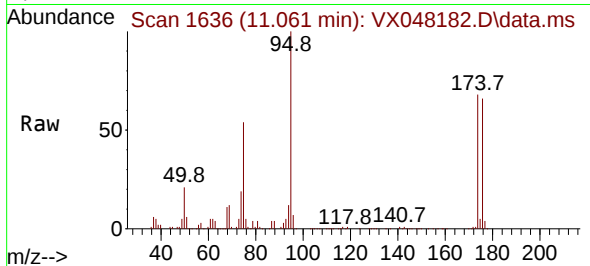




#81
trans-1,4-Dichloro-2-butene
Concen: 70.485 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048182.D
Acq: 15 Oct 2025 10:26

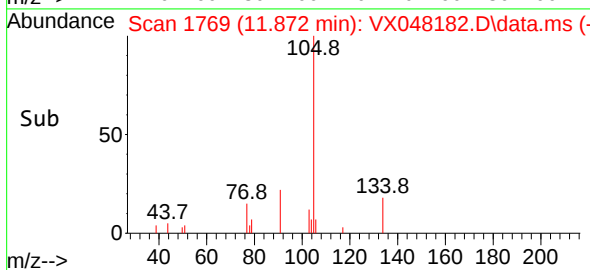
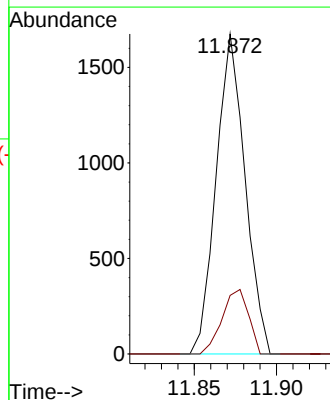
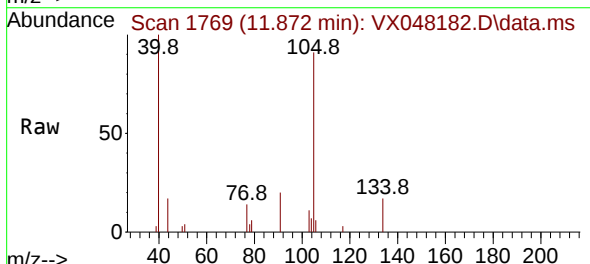
Instrument :
MSVOA_X
ClientSampleId :

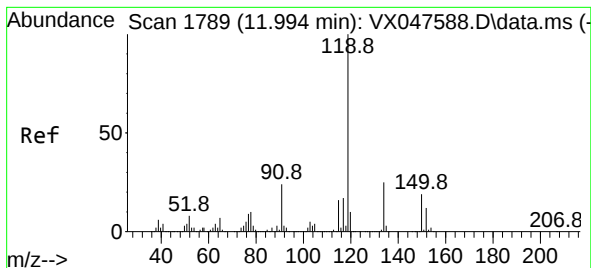
Tgt Ion: 75 Resp: 74993
Ion Ratio Lower Upper
75 100
53 0.2 83.4 125.2#
89 0.0 36.3 54.5#



#85
sec-Butylbenzene
Concen: 0.201 ug/l
RT: 11.872 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VX048182.D
Acq: 15 Oct 2025 10:26

Tgt Ion: 105 Resp: 2048
Ion Ratio Lower Upper
105 100
134 18.5 9.8 29.5





#86

p-Isopropyltoluene

Concen: 0.217 ug/l

RT: 11.988 min Scan# 11

Delta R.T. -0.006 min

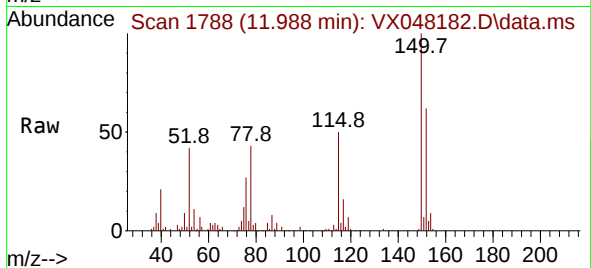
Lab File: VX048182.D

Acq: 15 Oct 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :



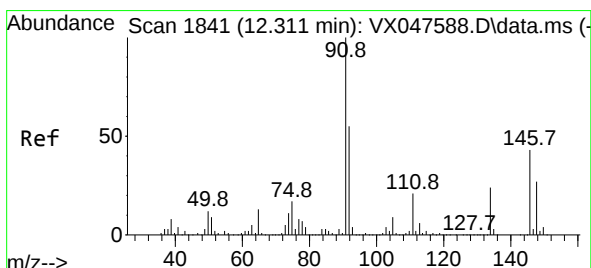
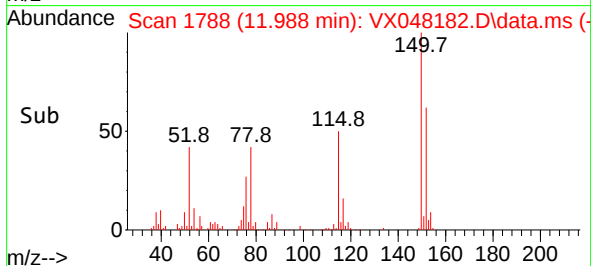
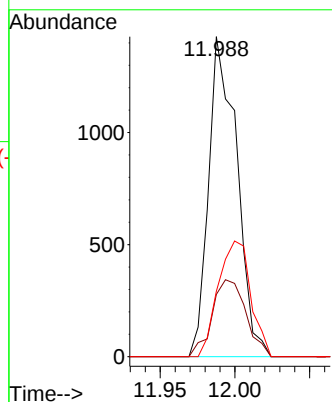
Tgt Ion:119 Resp: 1872

Ion Ratio Lower Upper

119 100

134 28.7 12.6 37.8

91 41.7 12.6 37.6#



#89

n-Butylbenzene

Concen: 0.384 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX048182.D

Acq: 15 Oct 2025 10:26

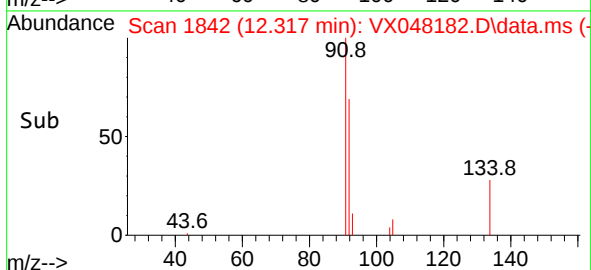
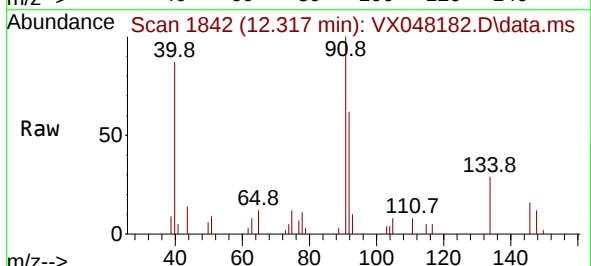
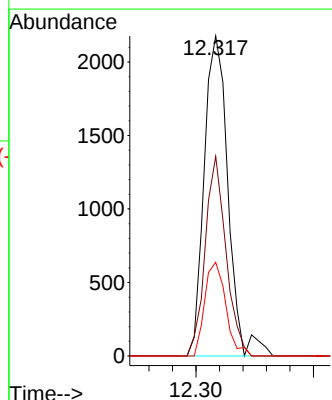
Tgt Ion: 91 Resp: 3061

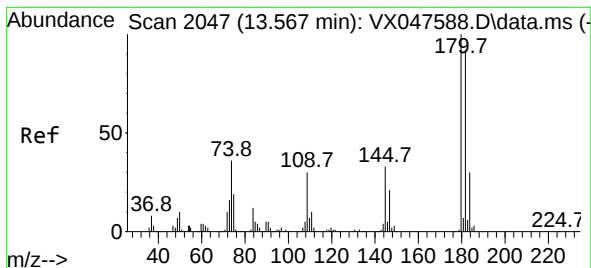
Ion Ratio Lower Upper

91 100

92 54.6 27.6 82.7

134 25.9 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.506 ug/l

RT: 13.573 min Scan# 2047

Delta R.T. 0.006 min

Lab File: VX048182.D

Acq: 15 Oct 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

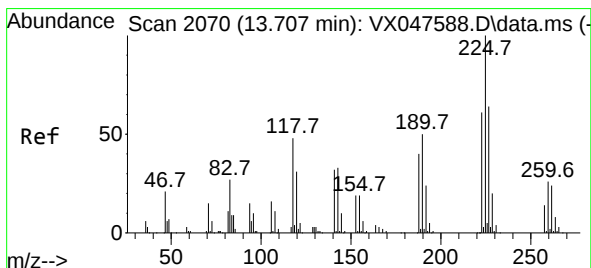
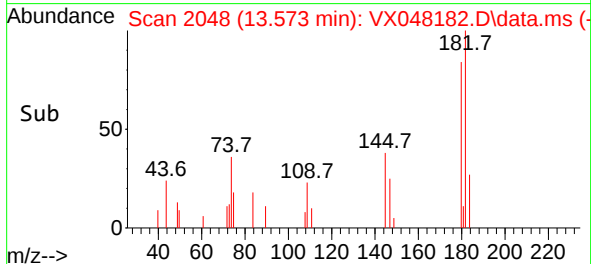
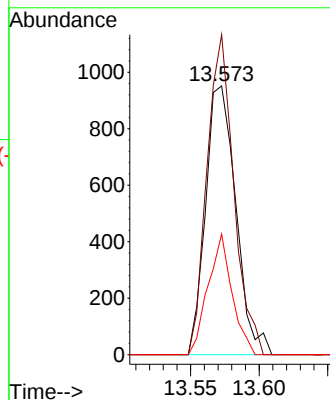
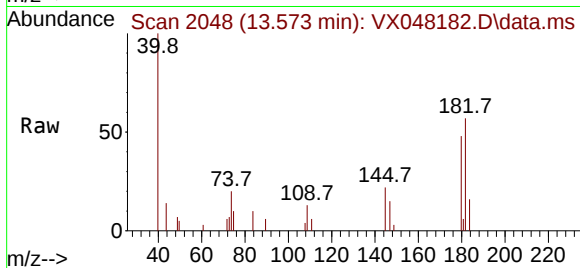
Tgt Ion:180 Resp: 1461

Ion Ratio Lower Upper

180 100

182 105.7 46.6 139.8

145 35.7 16.4 49.1



#94

Hexachlorobutadiene

Concen: 2.099 ug/l

RT: 13.701 min Scan# 2069

Delta R.T. -0.006 min

Lab File: VX048182.D

Acq: 15 Oct 2025 10:26

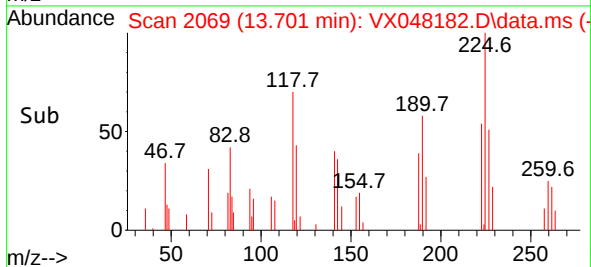
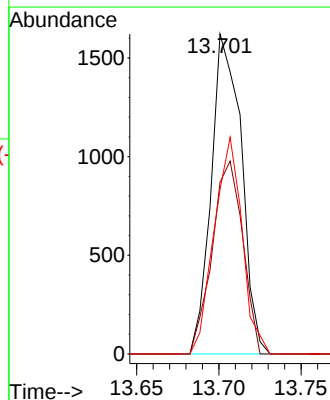
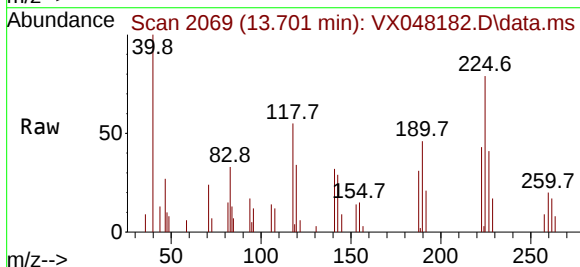
Tgt Ion:225 Resp: 2057

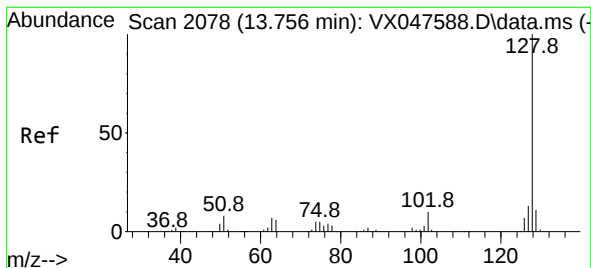
Ion Ratio Lower Upper

225 100

223 61.3 31.7 95.1

227 63.2 32.0 96.0





#95

Naphthalene

Concen: 0.423 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. -0.000 min

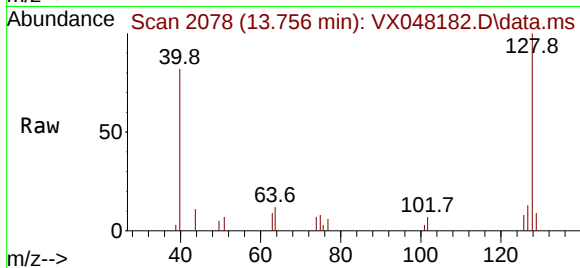
Lab File: VX048182.D

Acq: 15 Oct 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :



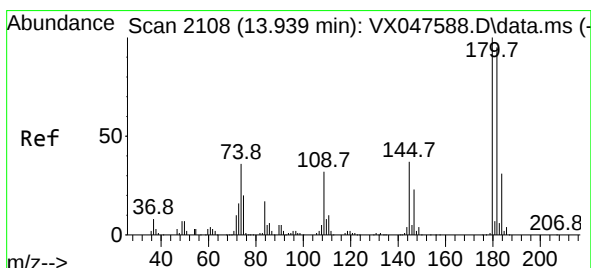
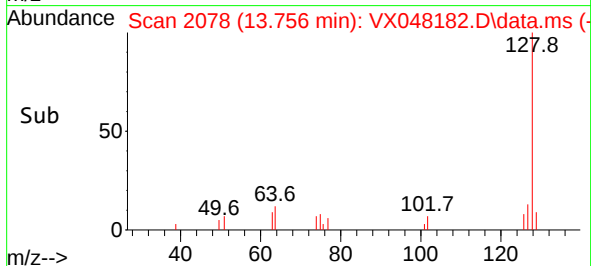
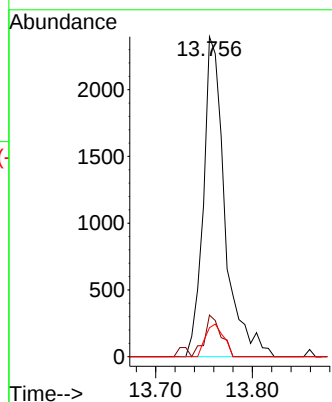
Tgt Ion:128 Resp: 3713

Ion Ratio Lower Upper

128 100

127 10.0 10.2 15.2#

129 8.5 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.568 ug/l

RT: 13.938 min Scan# 2108

Delta R.T. -0.000 min

Lab File: VX048182.D

Acq: 15 Oct 2025 10:26

Tgt Ion:180 Resp: 1525

Ion Ratio Lower Upper

180 100

182 91.3 47.6 142.8

145 35.6 17.9 53.7

