

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046154.D
 Acq On : 13 May 2025 10:29
 Operator : JC/MD
 Sample : VX0513MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513MBL01

Quant Time: May 14 01:34:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

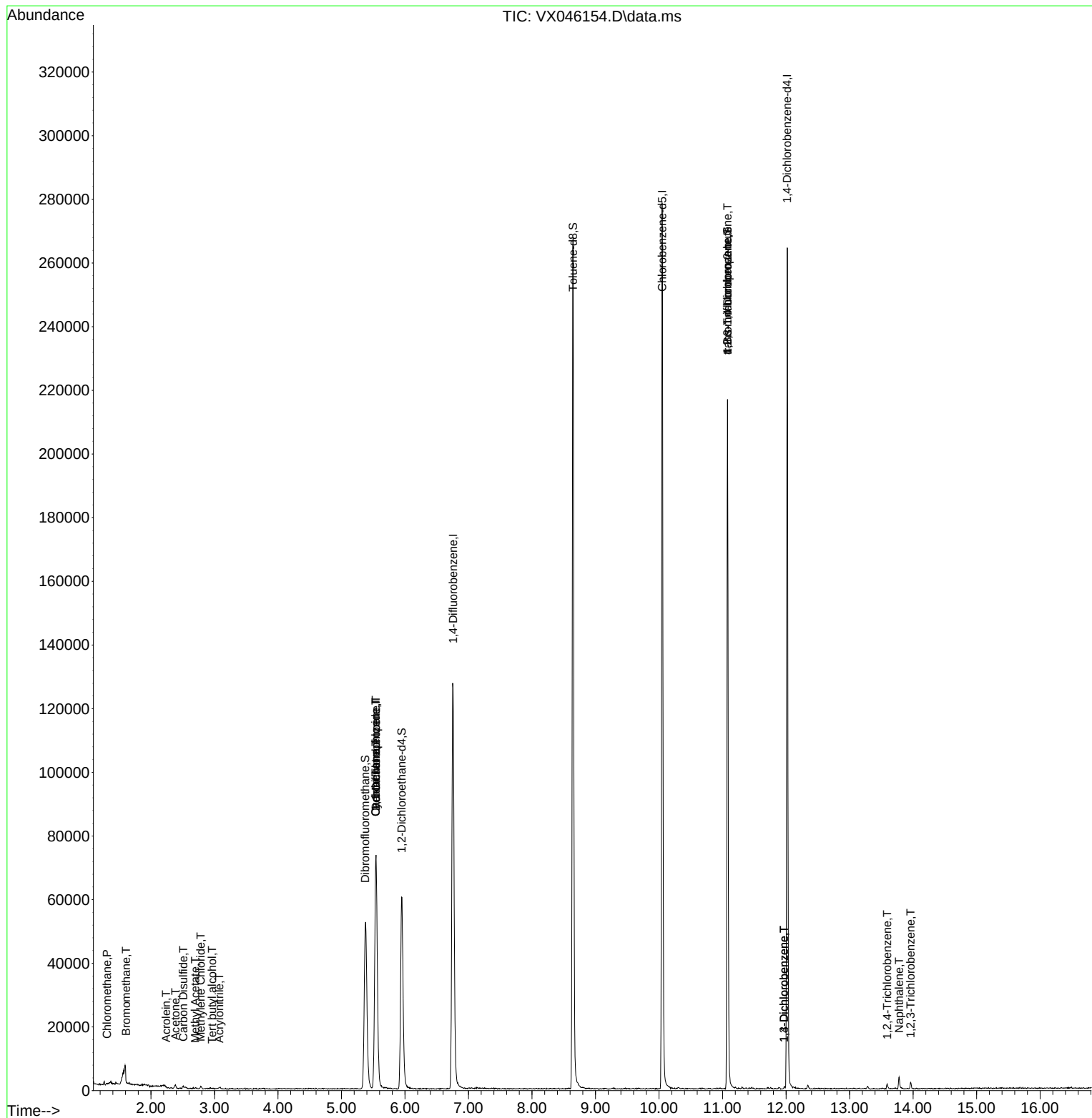
Internal Standards						
1) Pentafluorobenzene	5.544	168	63469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125679	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	63167	53.384	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.760%			
35) Dibromofluoromethane	5.373	113	46670	51.568	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.140%			
50) Toluene-d8	8.647	98	156874	50.081	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.160%			
62) 4-Bromofluorobenzene	11.079	95	59880	49.836	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.680%			
Target Compounds						Qvalue
3) Chloromethane	1.307	50	619	0.657	ug/l #	87
5) Bromomethane	1.605	94	158	0.389	ug/l #	39
11) Tert butyl alcohol	2.965	59	153	0.921	ug/l #	72
13) Acrolein	2.239	56	179	0.946	ug/l	95
15) Acrylonitrile	3.075	53	273	0.575	ug/l #	78
16) Acetone	2.386	43	1133	2.388	ug/l	97
17) Carbon Disulfide	2.508	76	968	0.543	ug/l #	76
18) Methyl Acetate	2.697	43	557	0.506	ug/l #	55
20) Methylene Chloride	2.782	84	348	0.383	ug/l #	68
31) Cyclohexane	5.538	56	1754	1.244	ug/l #	36
36) 1,1-Dichloropropene	5.544	75	6098	5.015	ug/l #	48
38) Carbon Tetrachloride	5.538	117	7299	5.342	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	33687	28.659	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33687	93.305	ug/l #	1
87) 1,3-Dichlorobenzene	11.969	146	379	0.235	ug/l	72
88) 1,4-Dichlorobenzene	11.969	146	379	0.230	ug/l	73
93) 1,2,4-Trichlorobenzene	13.591	180	553	0.596	ug/l	82
95) Naphthalene	13.780	128	3127	0.918	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	615	0.642	ug/l	85

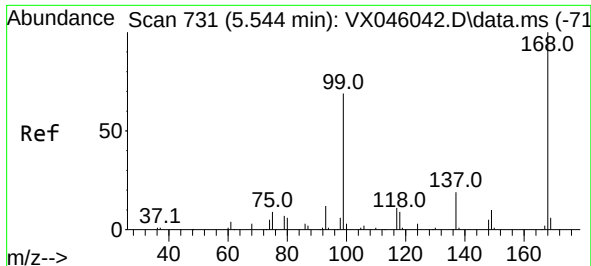
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

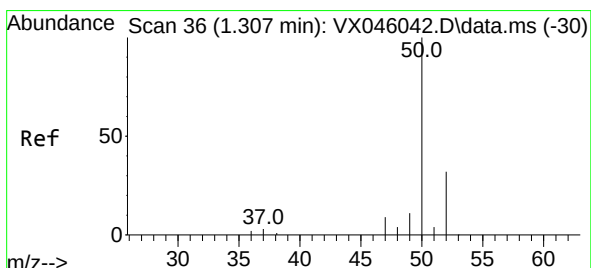
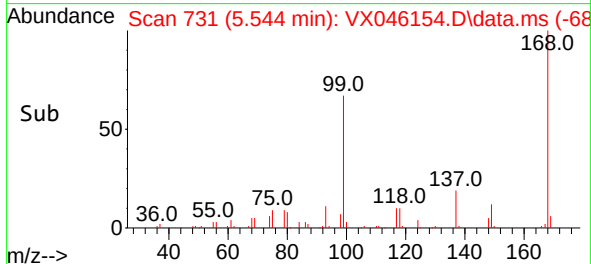
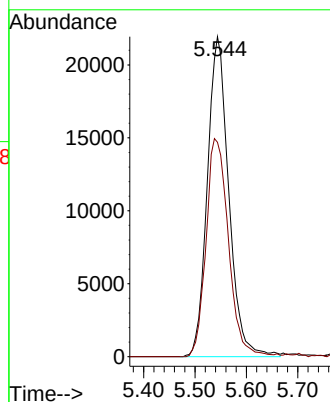
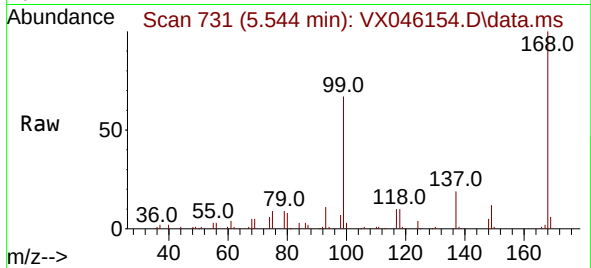




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

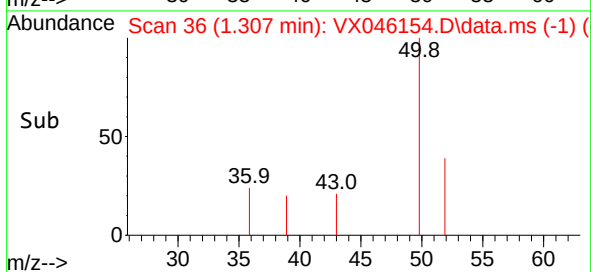
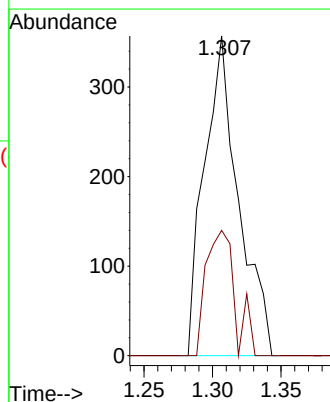
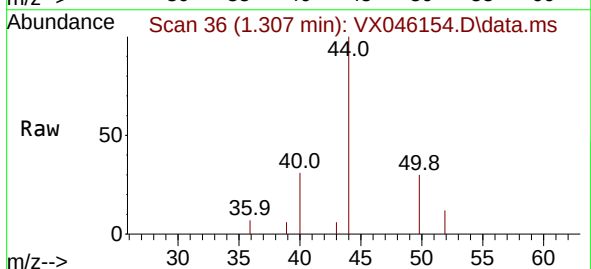
Instrument :
MSVOA_X
ClientSampleId :
VX0513MBL01

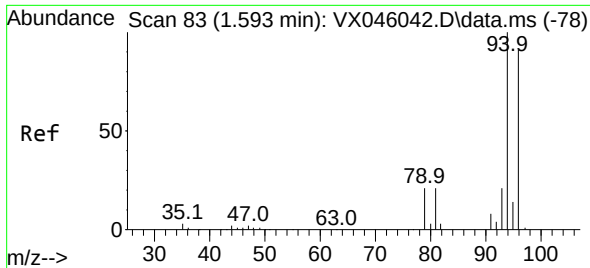
Tgt Ion:168 Resp: 63469
Ion Ratio Lower Upper
168 100
99 67.0 54.9 82.3



#3
Chloromethane
Concen: 0.657 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

Tgt Ion: 50 Resp: 619
Ion Ratio Lower Upper
50 100
52 39.2 25.4 38.2#

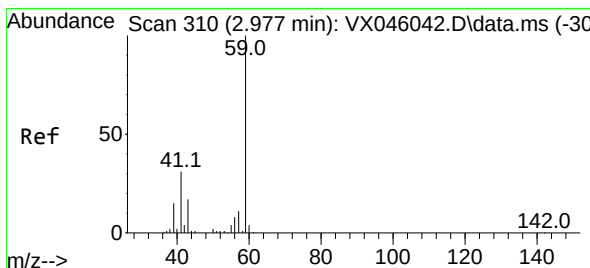
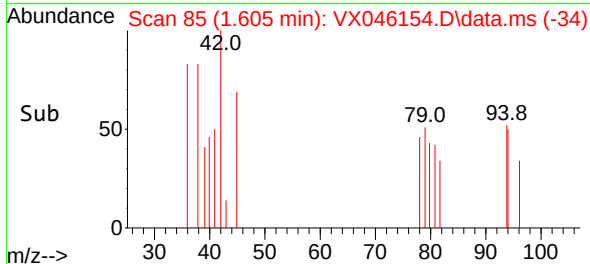
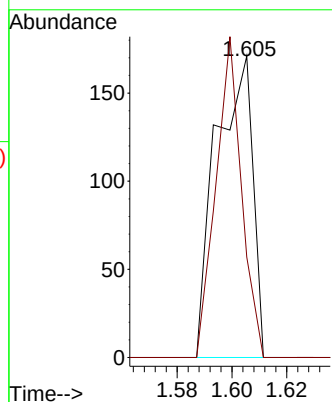
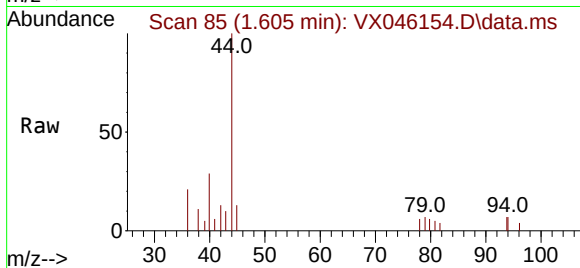




#5
Bromomethane
Concen: 0.389 ug/l
RT: 1.605 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

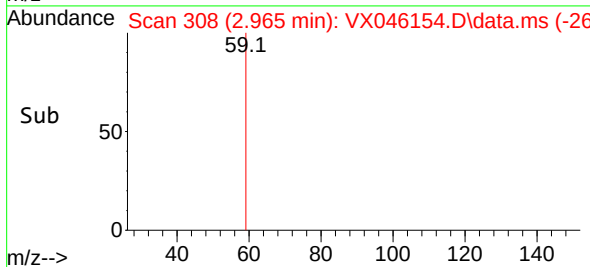
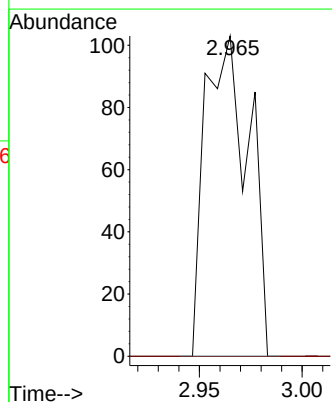
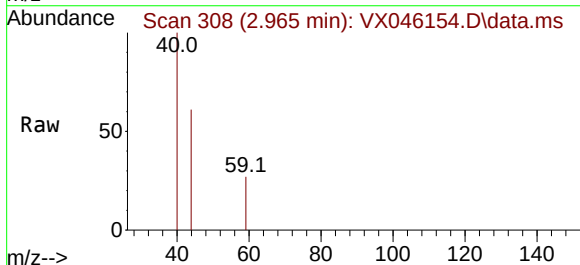
Instrument :
MSVOA_X
ClientSampleId :
VX0513MBL01

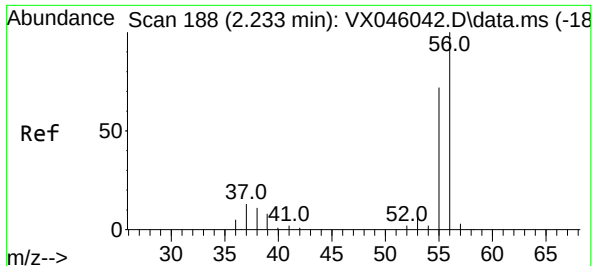
Tgt Ion: 94 Resp: 158
Ion Ratio Lower Upper
94 100
96 33.3 72.8 109.2#



#11
Tert butyl alcohol
Concen: 0.921 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

Tgt Ion: 59 Resp: 153
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

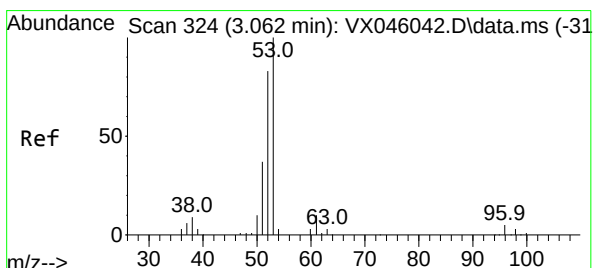
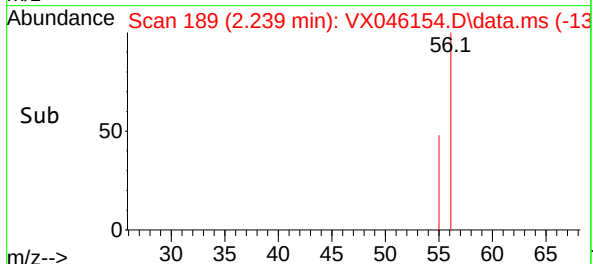
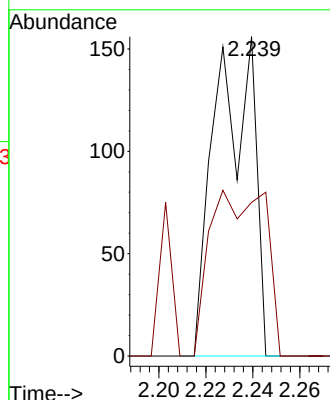
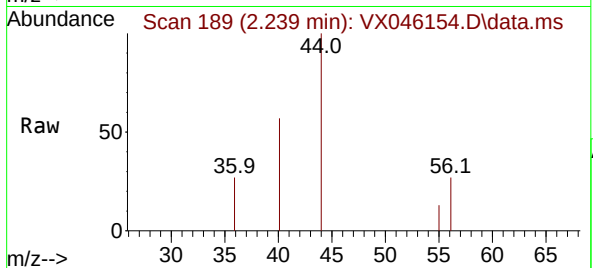




#13
Acrolein
Concen: 0.946 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

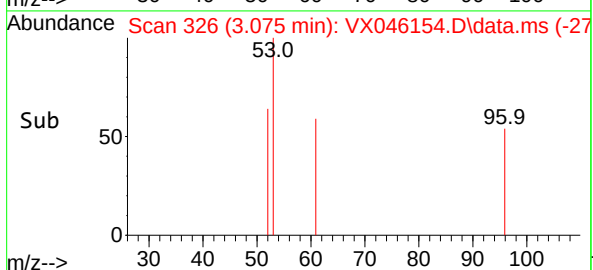
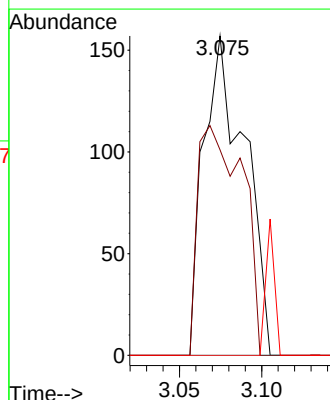
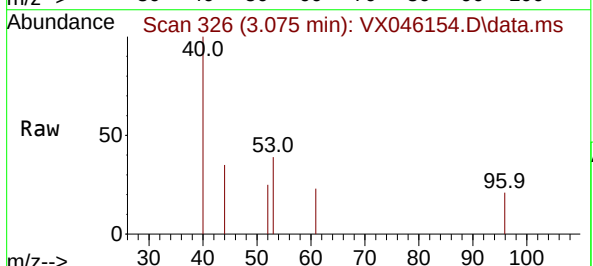
Instrument :
MSVOA_X
ClientSampleId :
VX0513MBL01

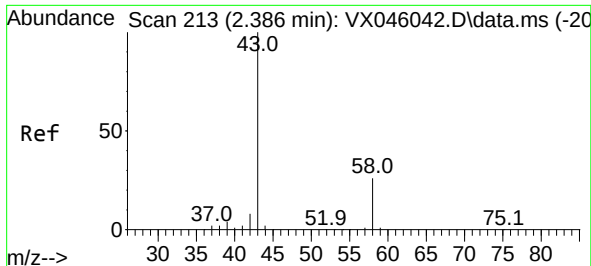
Tgt Ion: 56 Resp: 179
Ion Ratio Lower Upper
56 100
55 74.3 56.2 84.4



#15
Acrylonitrile
Concen: 0.575 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.012 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

Tgt Ion: 53 Resp: 273
Ion Ratio Lower Upper
53 100
52 78.4 65.3 97.9
51 0.0 29.8 44.8#

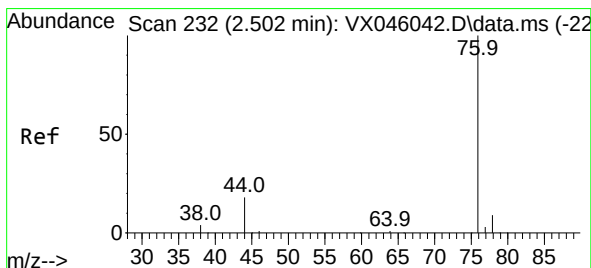
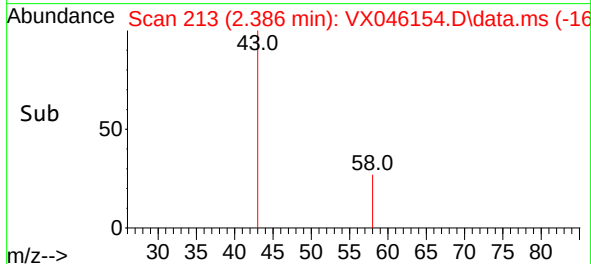
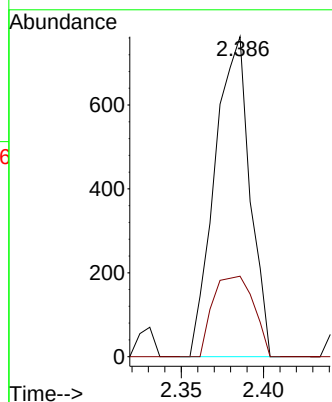
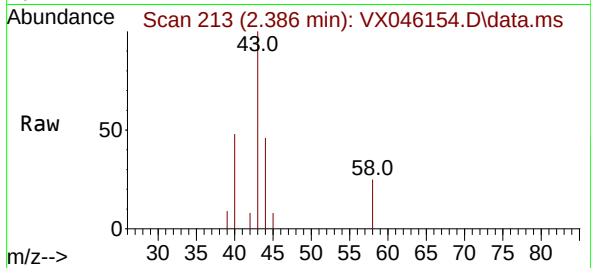




#16
Acetone
Concen: 2.388 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

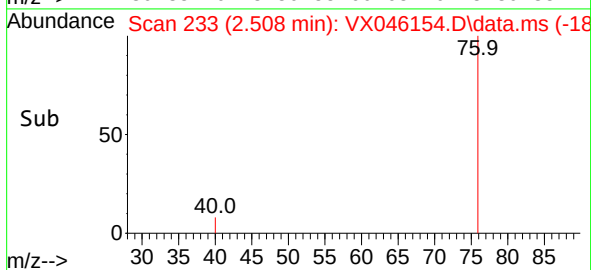
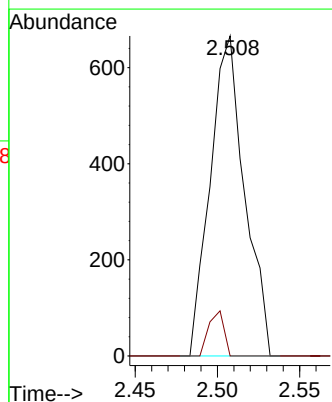
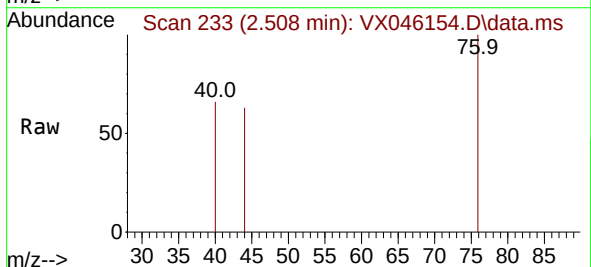
Instrument :
MSVOA_X
ClientSampleId :
VX0513MBL01

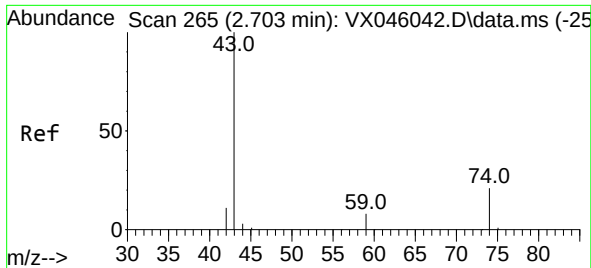
Tgt Ion: 43 Resp: 1133
Ion Ratio Lower Upper
43 100
58 25.2 21.2 31.8



#17
Carbon Disulfide
Concen: 0.543 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

Tgt Ion: 76 Resp: 968
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

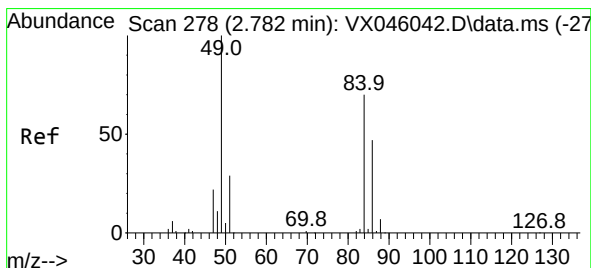
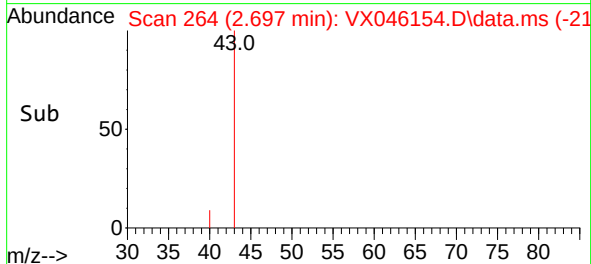
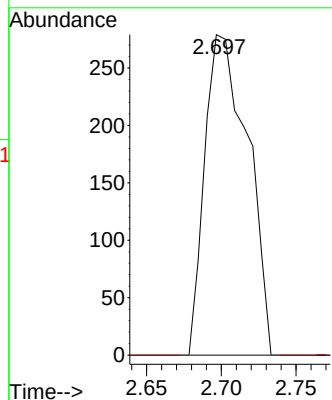
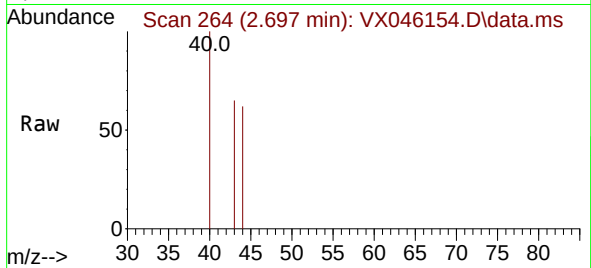




#18
Methyl Acetate
Concen: 0.506 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

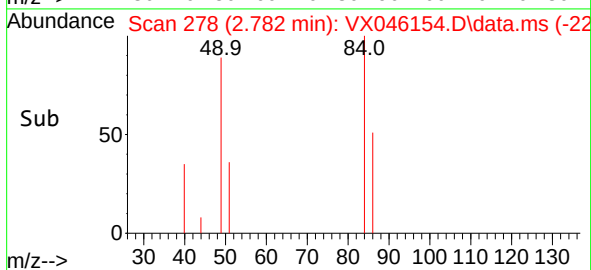
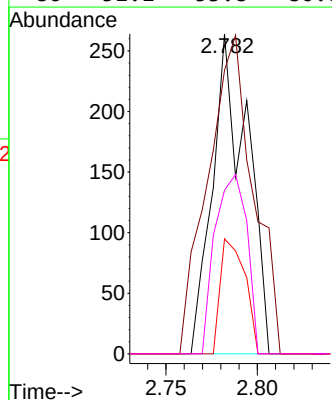
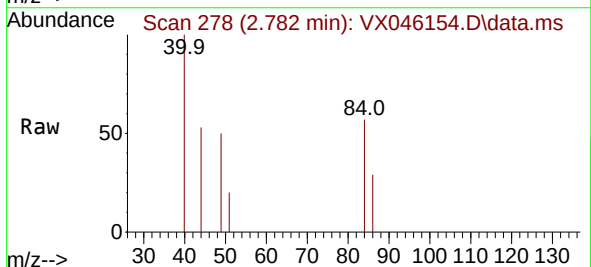
Instrument :
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ClientSampleId :
VX0513MBL01

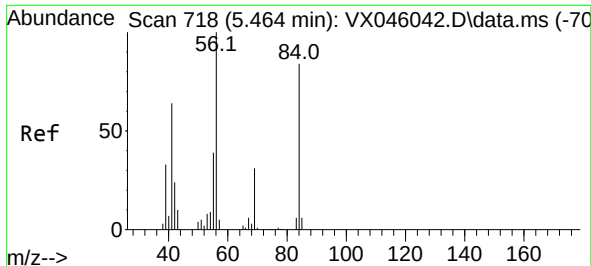
Tgt Ion: 43 Resp: 557
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 0.383 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

Tgt Ion: 84 Resp: 348
Ion Ratio Lower Upper
84 100
49 88.6 113.9 170.9#
51 36.0 33.5 50.3
86 51.1 53.8 80.8#

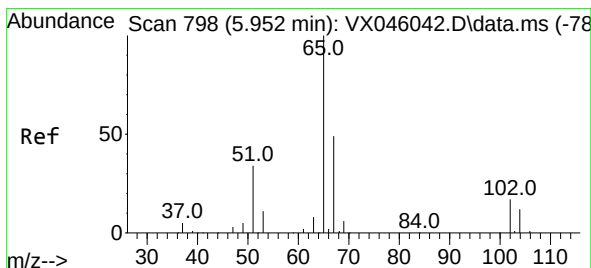
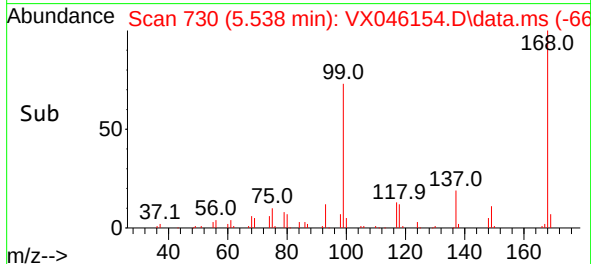
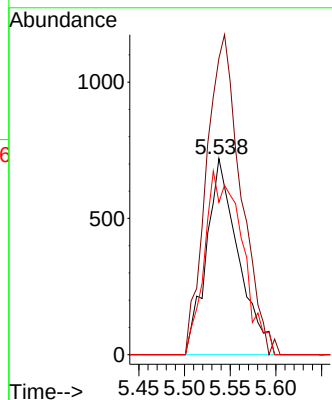
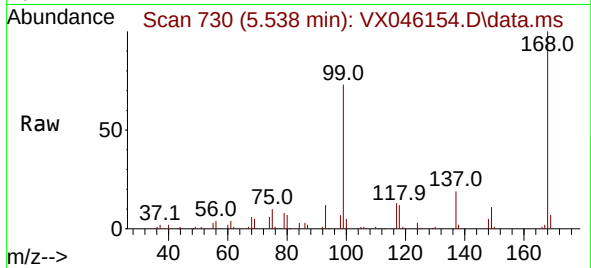




#31
Cyclohexane
Concen: 1.244 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

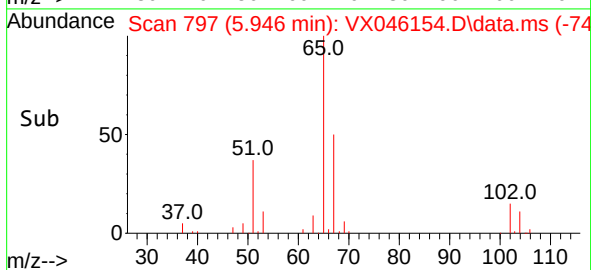
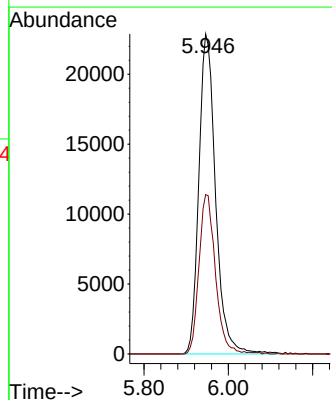
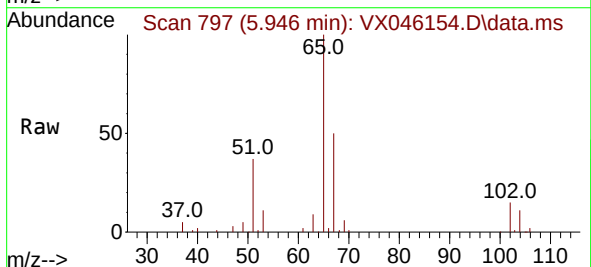
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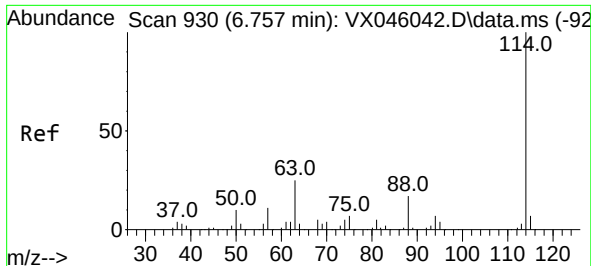
Tgt Ion: 56 Resp: 1754
Ion Ratio Lower Upper
56 100
69 151.0 24.4 36.6#
84 77.6 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 53.384 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

Tgt Ion: 65 Resp: 63167
Ion Ratio Lower Upper
65 100
67 49.3 0.0 99.0

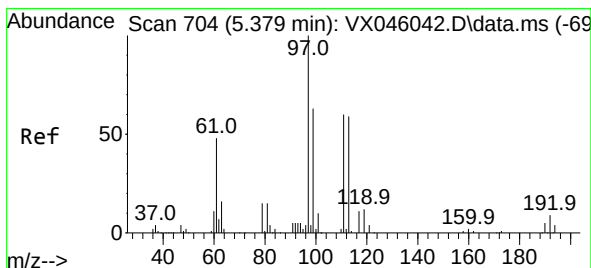
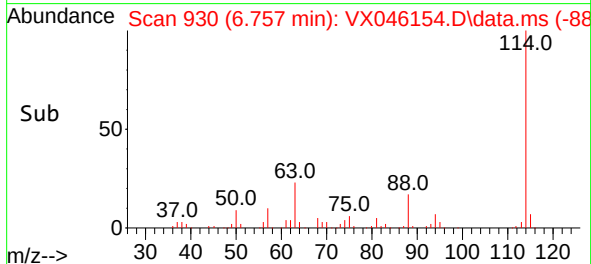
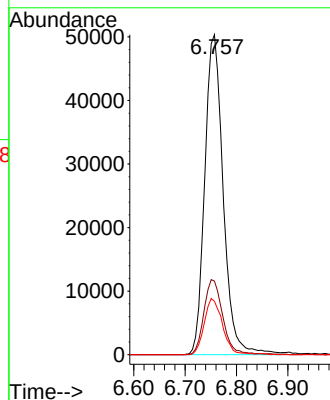
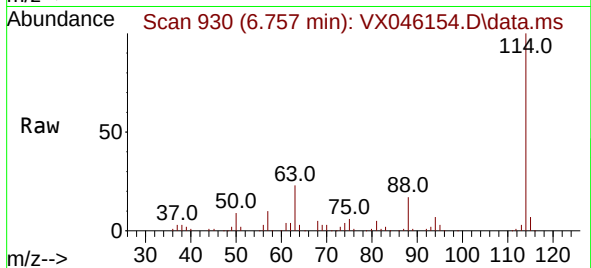




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX046154.D
 Acq: 13 May 2025 10:29

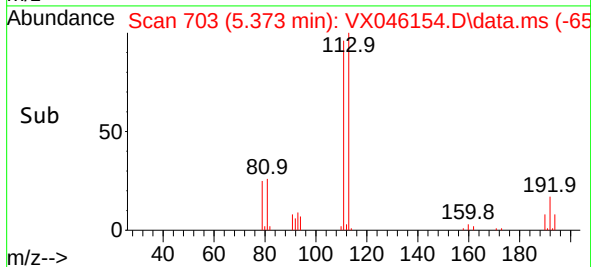
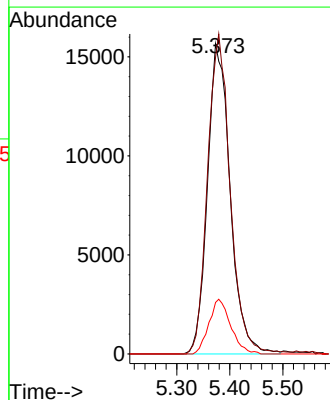
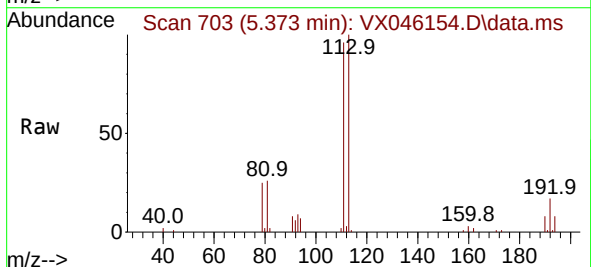
Instrument :
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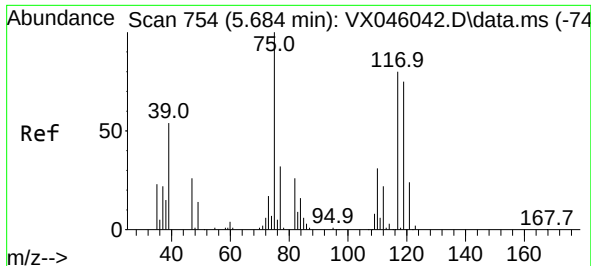
Tgt Ion:114 Resp: 125679
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 49.2
 88 16.7 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 51.568 ug/l
 RT: 5.373 min Scan# 703
 Delta R.T. -0.006 min
 Lab File: VX046154.D
 Acq: 13 May 2025 10:29

Tgt Ion:113 Resp: 46670
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.1 124.7
 192 16.9 13.3 19.9

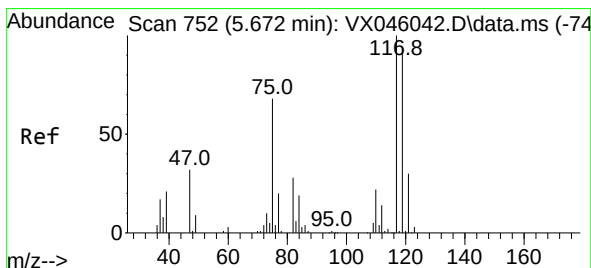
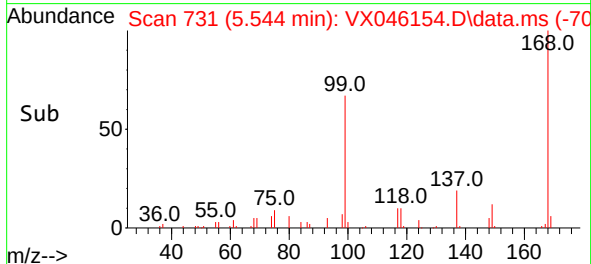
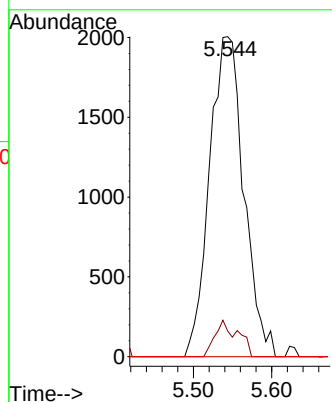
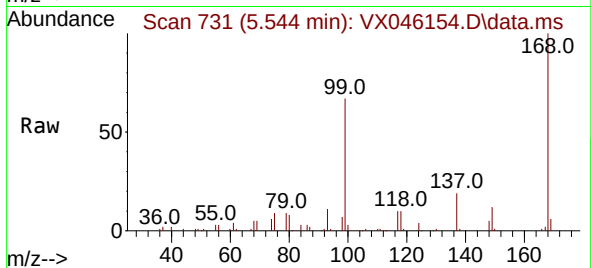




#36
1,1-Dichloropropene
Concen: 5.015 ug/l
RT: 5.544 min Scan# 710
Delta R.T. -0.140 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

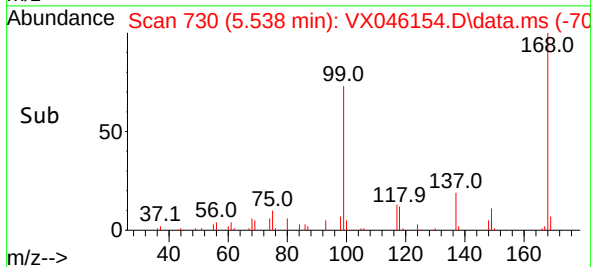
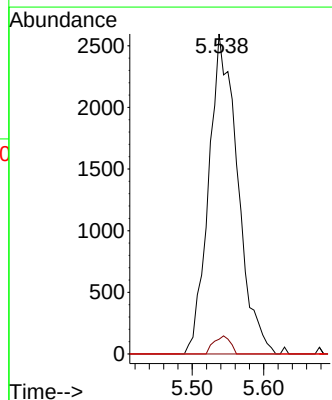
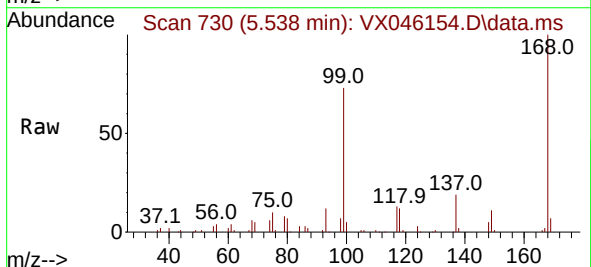
Instrument :
MSVOA_X
ClientSampleId :
VX0513MBL01

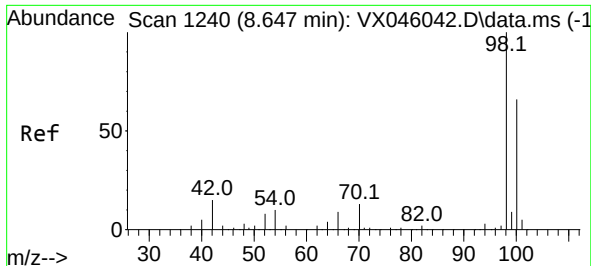
Tgt Ion: 75 Resp: 6098
Ion Ratio Lower Upper
75 100
110 5.1 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.342 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

Tgt Ion: 117 Resp: 7299
Ion Ratio Lower Upper
117 100
119 4.6 75.2 112.8#
121 0.0 24.2 36.4#

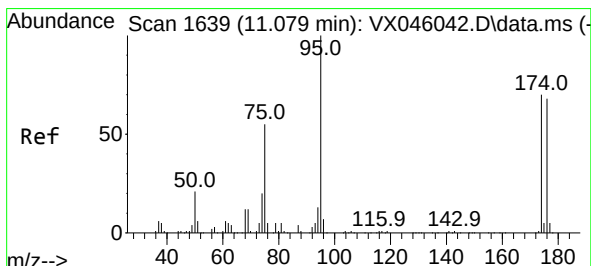
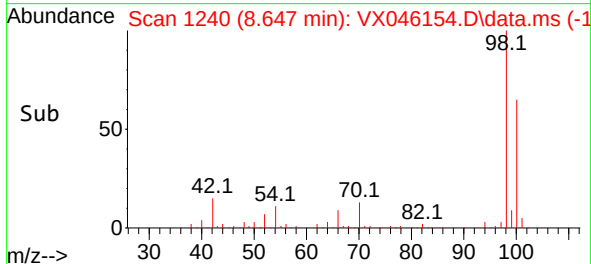
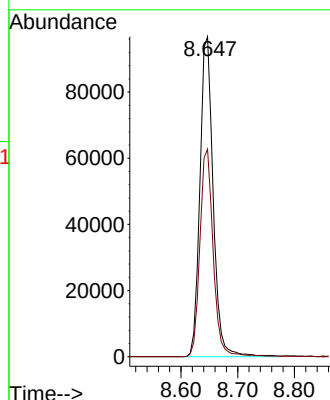
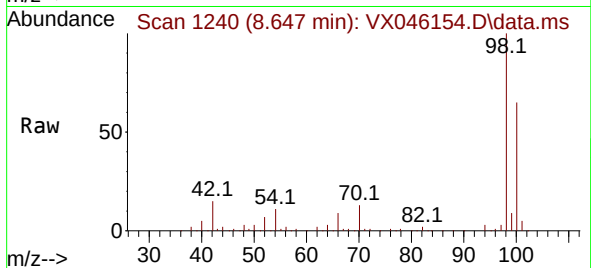




#50
Toluene-d8
Concen: 50.081 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

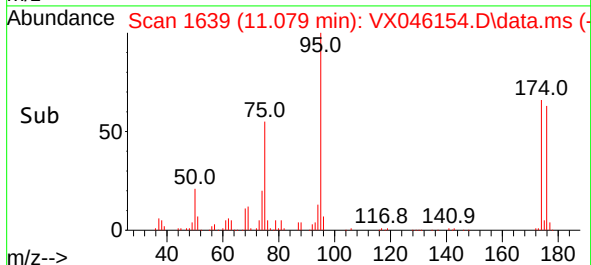
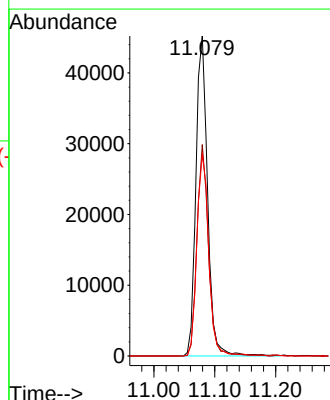
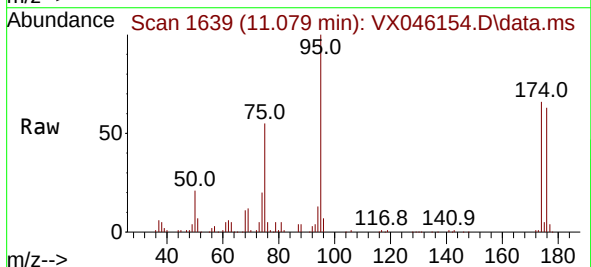
Instrument :
MSVOA_X
ClientSampleId :
VX0513MBL01

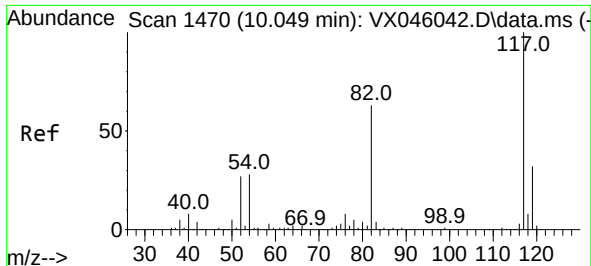
Tgt Ion: 98 Resp: 156874
Ion Ratio Lower Upper
98 100
100 65.4 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 49.836 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

Tgt Ion: 95 Resp: 59880
Ion Ratio Lower Upper
95 100
174 65.2 0.0 135.8
176 64.7 0.0 131.4

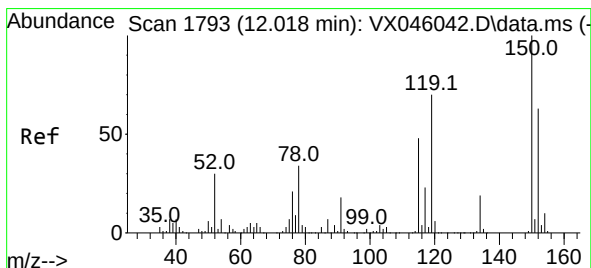
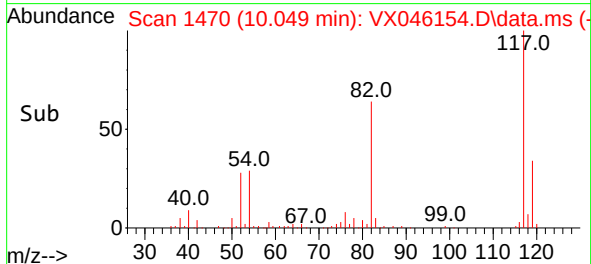
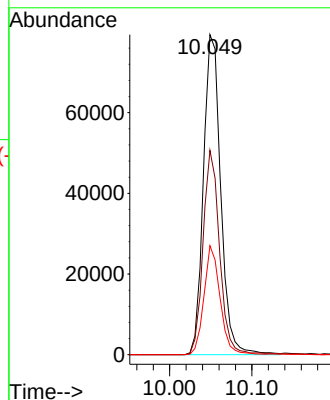
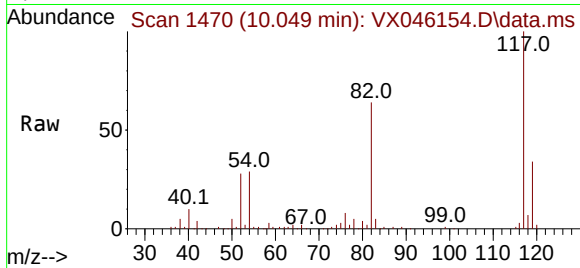




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

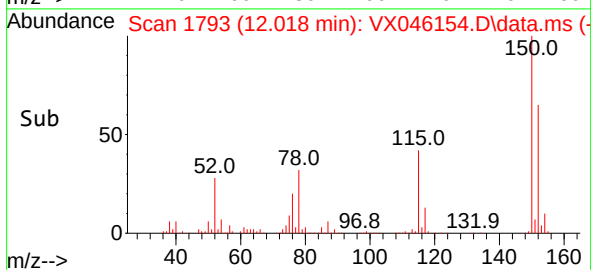
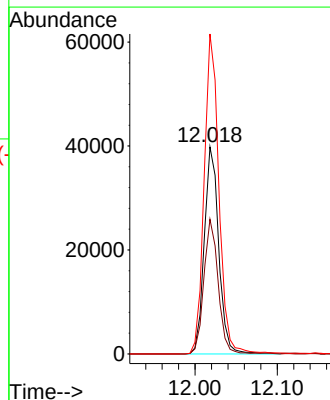
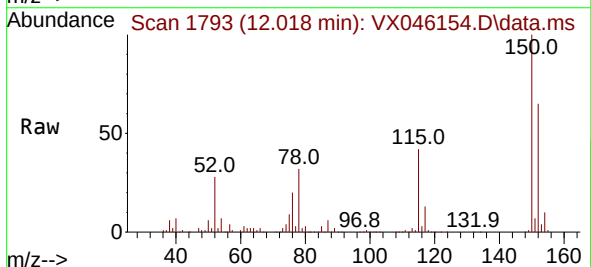
Instrument :
MSVOA_X
ClientSampleId :
VX0513MBL01

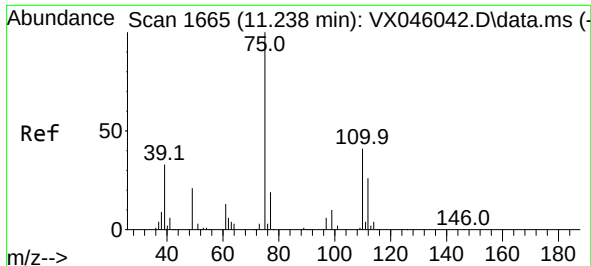
Tgt Ion:117 Resp: 116342
Ion Ratio Lower Upper
117 100
82 63.8 50.6 76.0
119 34.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

Tgt Ion:152 Resp: 48833
Ion Ratio Lower Upper
152 100
115 64.1 46.9 140.7
150 157.3 0.0 351.0

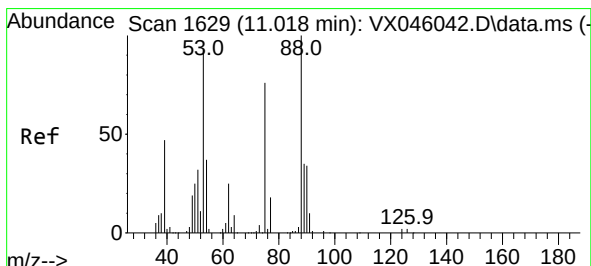
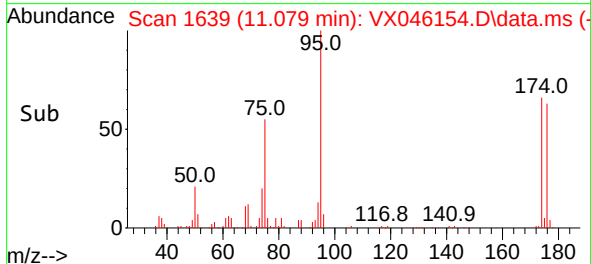
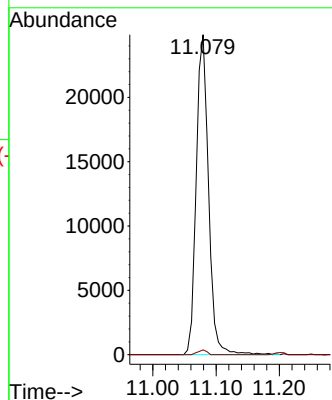
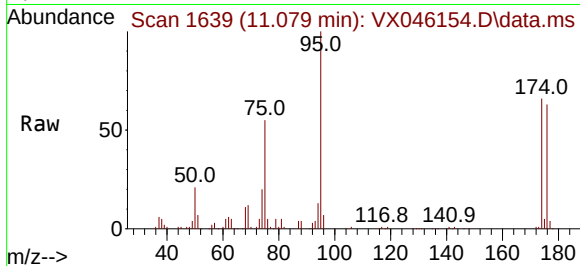




#76
1,2,3-Trichloropropane
Concen: 28.659 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

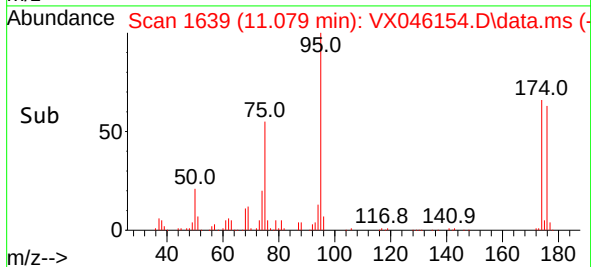
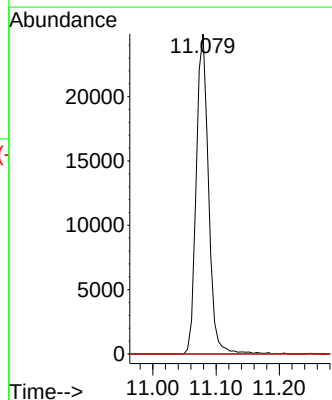
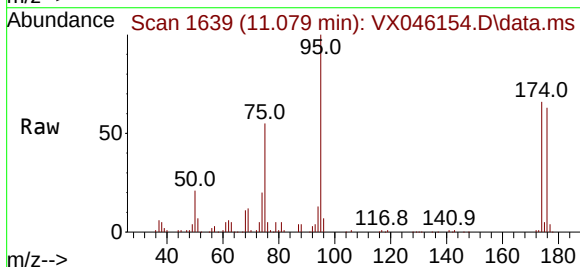
Instrument :
MSVOA_X
ClientSampleId :
VX0513MBL01

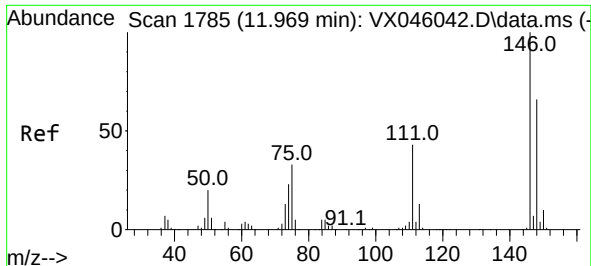
Tgt Ion: 75 Resp: 33687
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.305 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

Tgt Ion: 75 Resp: 33687
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#





#87

1,3-Dichlorobenzene

Concen: 0.235 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX046154.D

Acq: 13 May 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VX0513MBL01

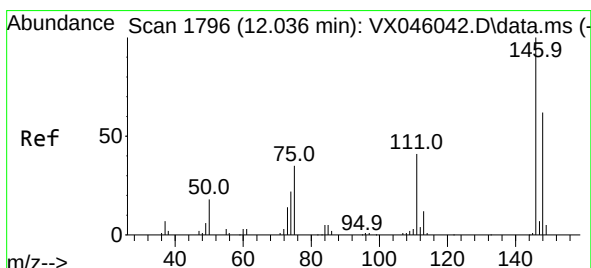
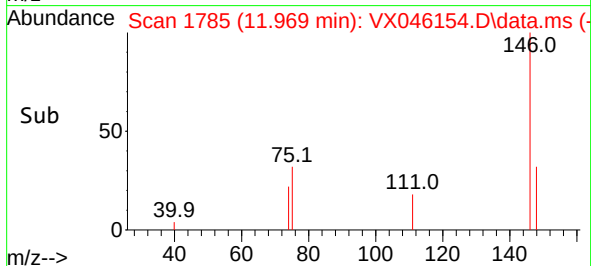
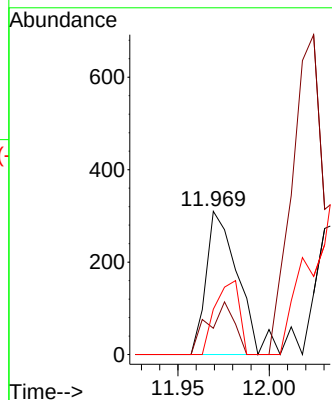
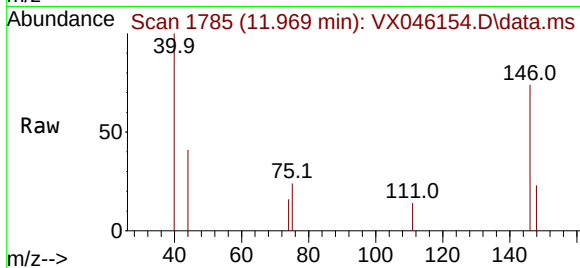
Tgt Ion:146 Resp: 379

Ion Ratio Lower Upper

146 100

111 30.3 22.1 66.3

148 39.1 32.1 96.5



#88

1,4-Dichlorobenzene

Concen: 0.230 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.067 min

Lab File: VX046154.D

Acq: 13 May 2025 10:29

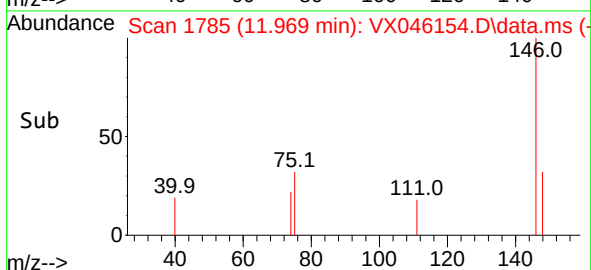
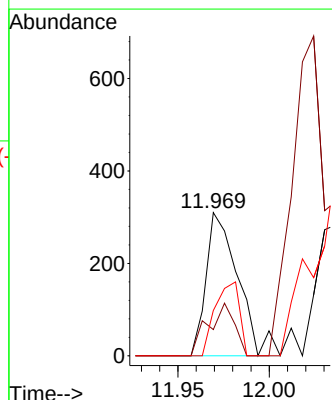
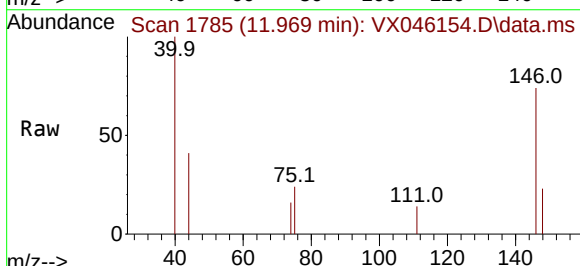
Tgt Ion:146 Resp: 379

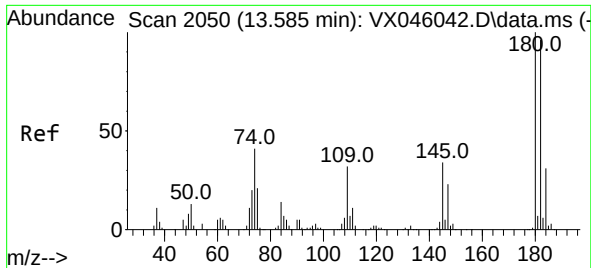
Ion Ratio Lower Upper

146 100

111 30.3 21.3 63.9

148 39.1 31.9 95.5

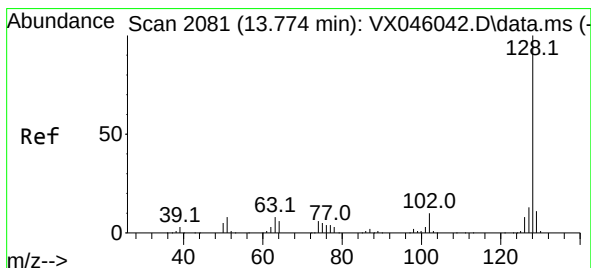
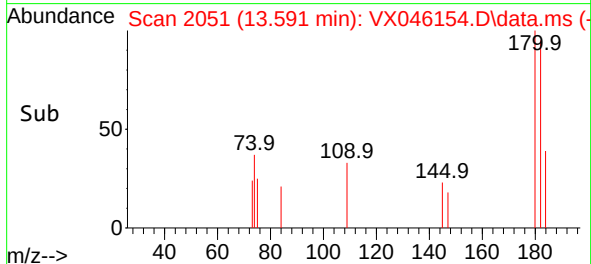
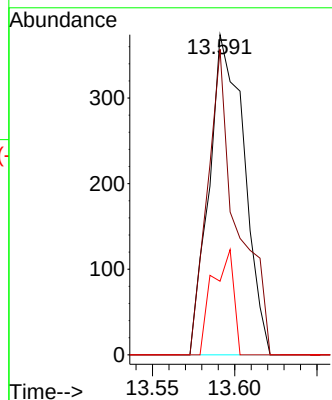
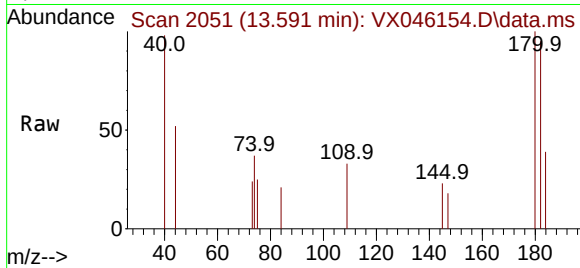




#93
1,2,4-Trichlorobenzene
Concen: 0.596 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

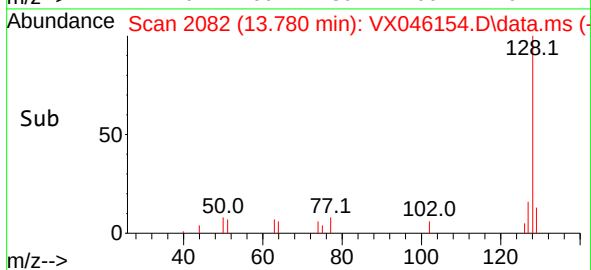
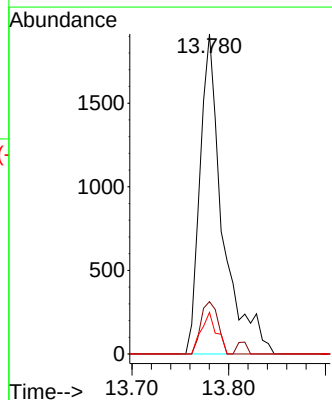
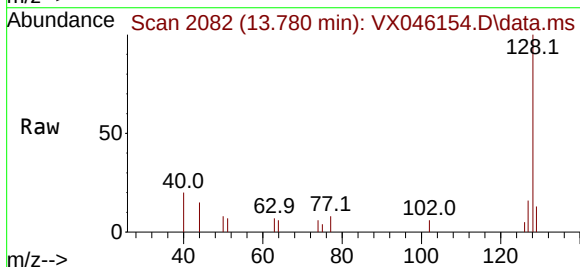
Instrument :
MSVOA_X
ClientSampleId :
VX0513MBL01

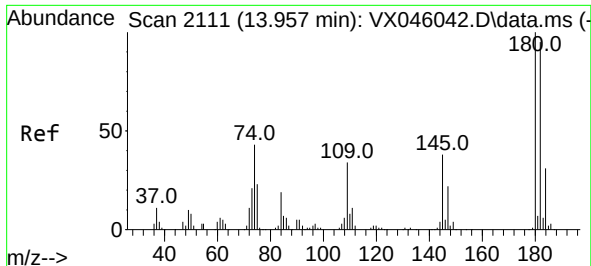
Tgt Ion:180 Resp: 553
Ion Ratio Lower Upper
180 100
182 81.2 47.9 143.8
145 19.9 17.1 51.2



#95
Naphthalene
Concen: 0.918 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX046154.D
Acq: 13 May 2025 10:29

Tgt Ion:128 Resp: 3127
Ion Ratio Lower Upper
128 100
127 12.4 10.4 15.6
129 9.0 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 0.642 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX046154.D

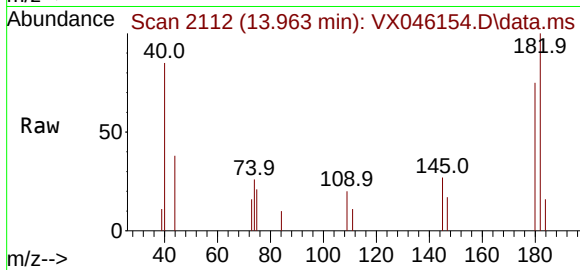
Acq: 13 May 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VX0513MBL01



Tgt Ion:180 Resp: 615

Ion Ratio Lower Upper

180 100

182 115.4 47.8 143.3

145 36.9 18.1 54.3

