

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
 Data File : VX045348.D
 Acq On : 20 Mar 2025 10:06
 Operator : JC/MD
 Sample : VX0320MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320MBL01

Quant Time: Mar 21 01:41:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

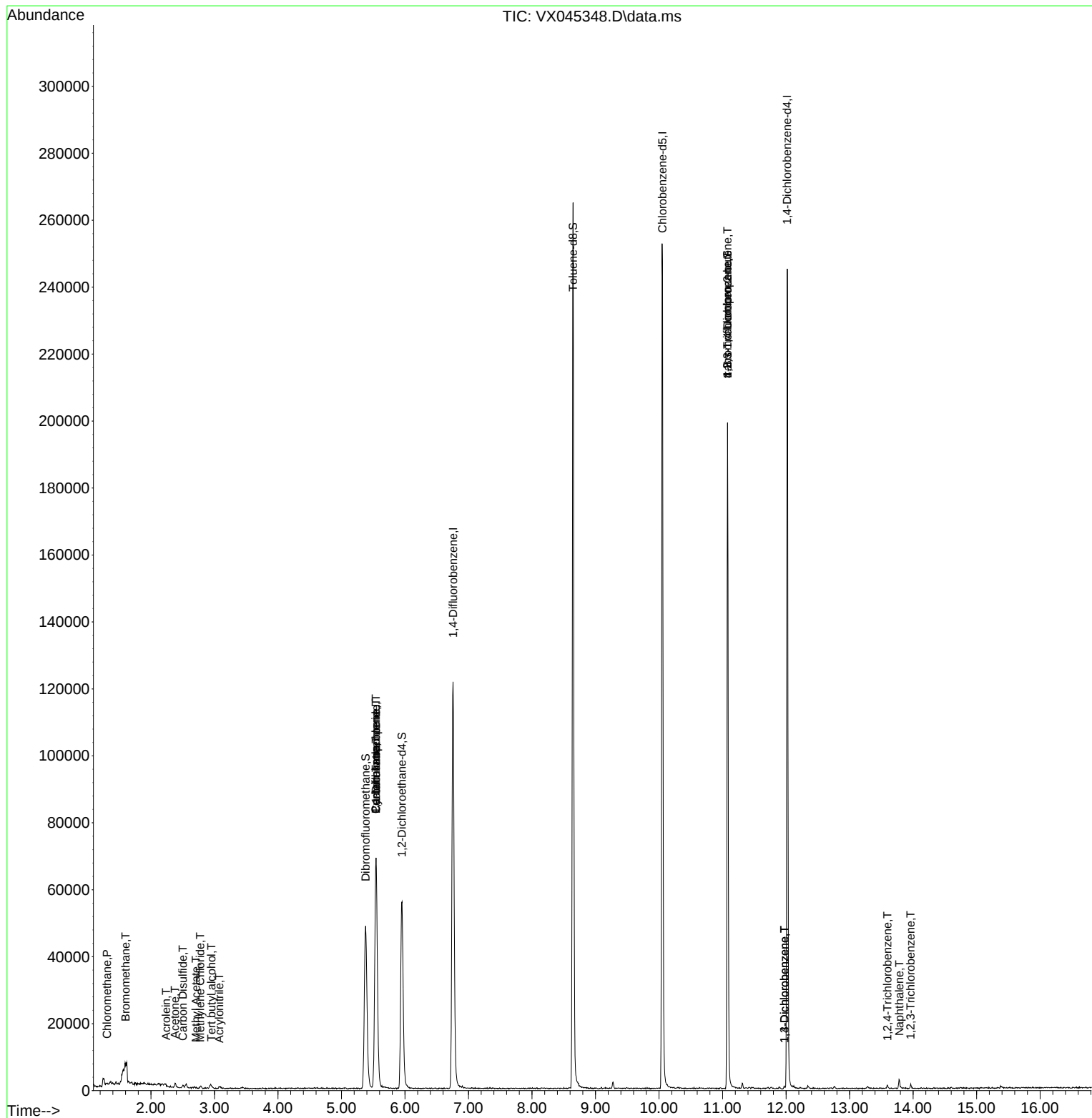
Internal Standards						
1) Pentafluorobenzene	5.544	168	61806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	120496	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	110873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	45677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	55120	56.067	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.140%			
35) Dibromofluoromethane	5.379	113	43232	53.656	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.320%			
50) Toluene-d8	8.647	98	150830	51.636	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.280%			
62) 4-Bromofluorobenzene	11.079	95	51571	53.279	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.560%			
Target Compounds						Qvalue
3) Chloromethane	1.307	50	644	0.676	ug/l	90
5) Bromomethane	1.599	94	161	0.434	ug/l #	60
11) Tert butyl alcohol	2.953	59	915	4.914	ug/l #	73
13) Acrolein	2.239	56	215	0.999	ug/l #	42
15) Acrylonitrile	3.074	53	260	0.521	ug/l #	65
16) Acetone	2.380	43	1311	2.874	ug/l	95
17) Carbon Disulfide	2.501	76	995	0.492	ug/l #	86
18) Methyl Acetate	2.709	43	285	0.260	ug/l #	54
20) Methylene Chloride	2.776	84	288	0.319	ug/l #	58
31) Cyclohexane	5.544	56	1920	1.435	ug/l #	46
36) 1,1-Dichloropropene	5.544	75	5671	5.132	ug/l #	47
38) Carbon Tetrachloride	5.544	117	6912	6.161	ug/l #	17
76) 1,2,3-Trichloropropane	11.079	75	29606	27.848	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	29606	95.300	ug/l #	6
87) 1,3-Dichlorobenzene	11.975	146	313	0.209	ug/l	86
88) 1,4-Dichlorobenzene	11.975	146	313	0.206	ug/l	87
93) 1,2,4-Trichlorobenzene	13.597	180	388	0.453	ug/l #	87
95) Naphthalene	13.786	128	2335	0.709	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	434	0.480	ug/l	96

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

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VX0320MBL01

Quant Time: Mar 21 01:41:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

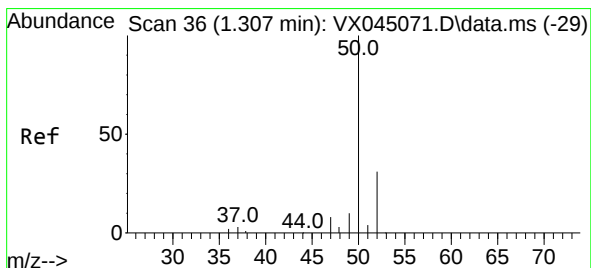
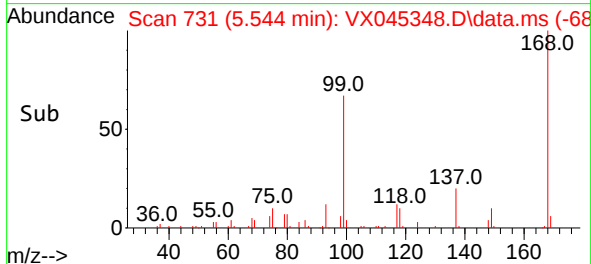
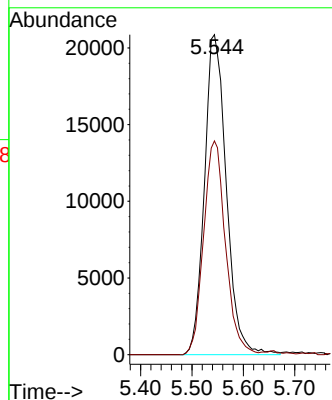
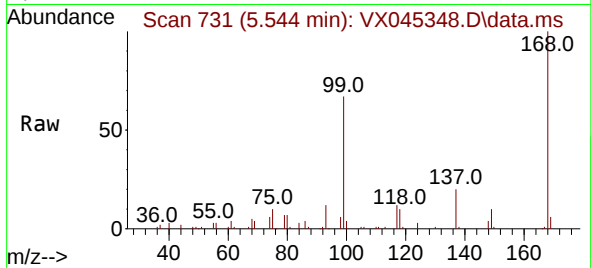




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

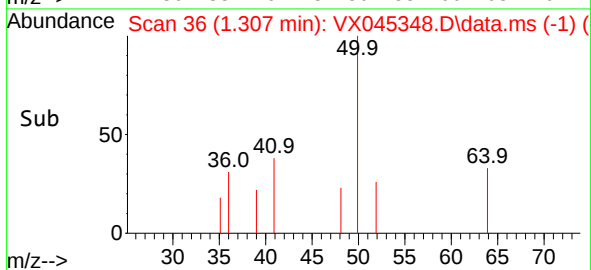
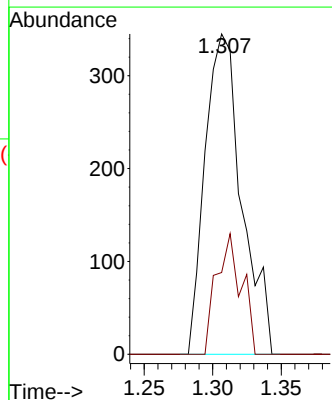
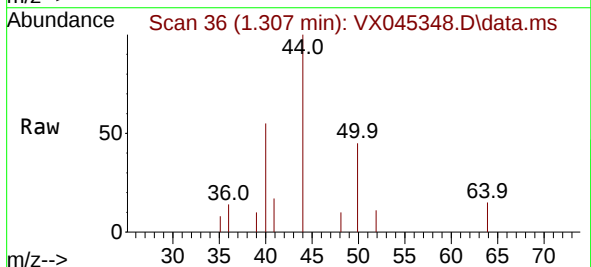
Instrument :
MSVOA_X
ClientSampleId :
VX0320MBL01

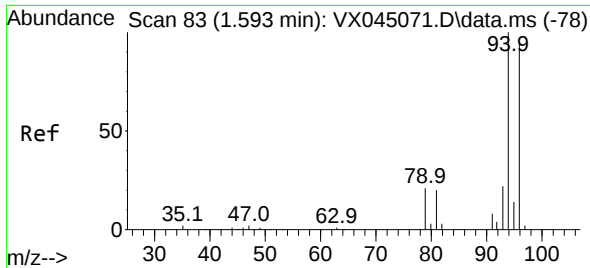
Tgt Ion:168 Resp: 61806
Ion Ratio Lower Upper
168 100
99 66.8 48.2 72.4



#3
Chloromethane
Concen: 0.676 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

Tgt Ion: 50 Resp: 644
Ion Ratio Lower Upper
50 100
52 25.5 25.0 37.4

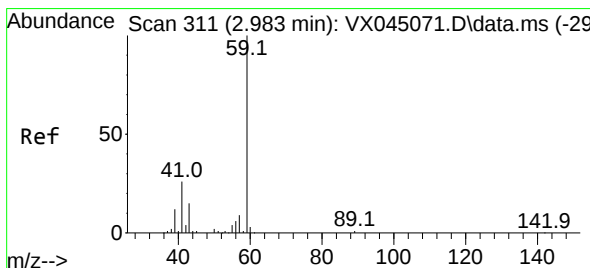
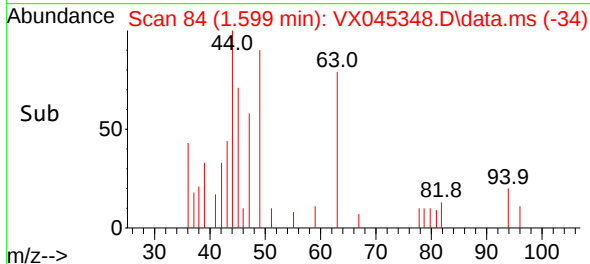
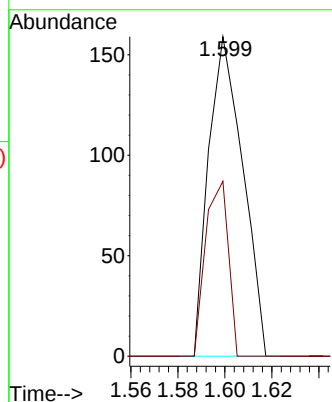
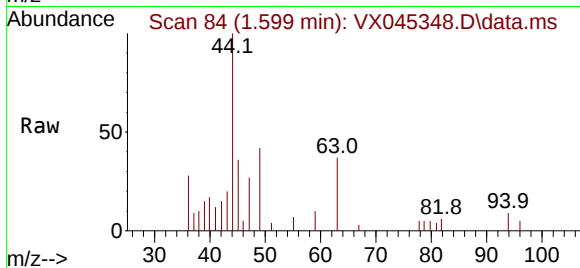




#5
Bromomethane
Concen: 0.434 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

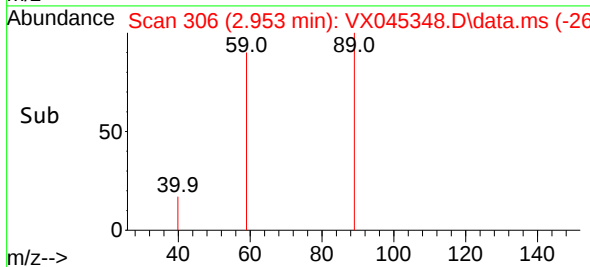
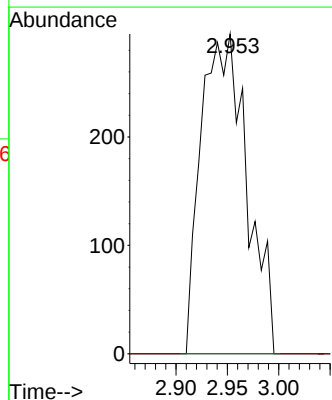
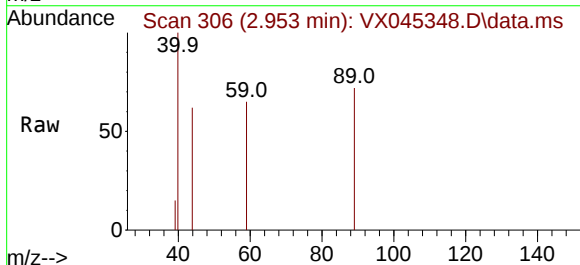
Instrument :
MSVOA_X
ClientSampleId :
VX0320MBL01

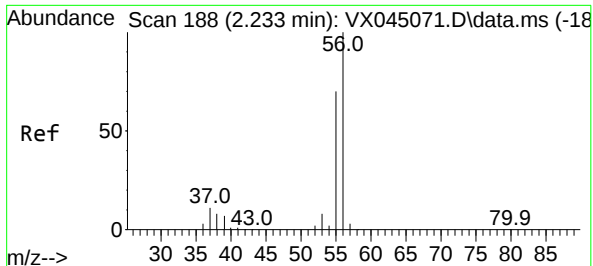
Tgt Ion: 94 Resp: 161
Ion Ratio Lower Upper
94 100
96 54.7 75.0 112.4#



#11
Tert butyl alcohol
Concen: 4.914 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.031 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

Tgt Ion: 59 Resp: 915
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

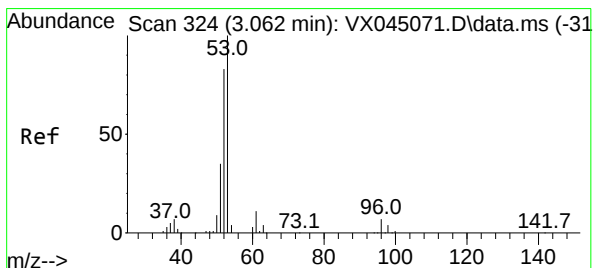
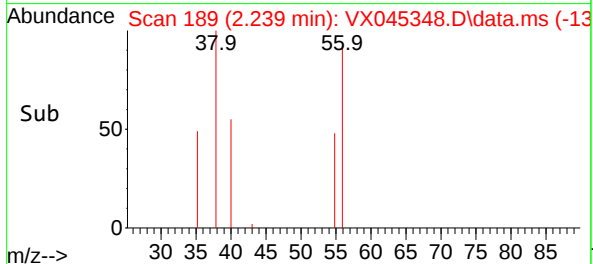
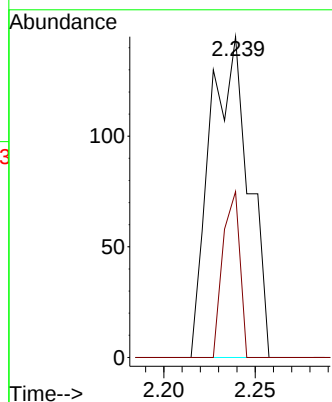
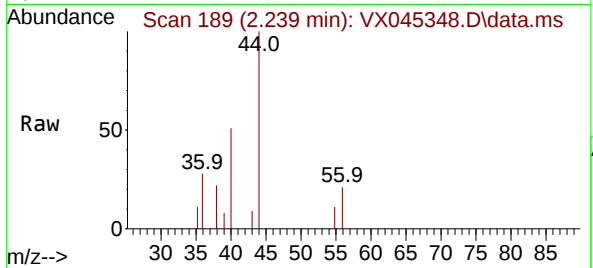




#13
Acrolein
Concen: 0.999 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

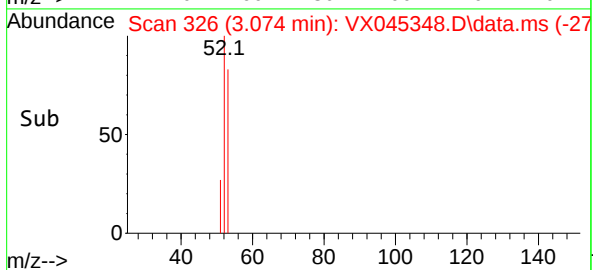
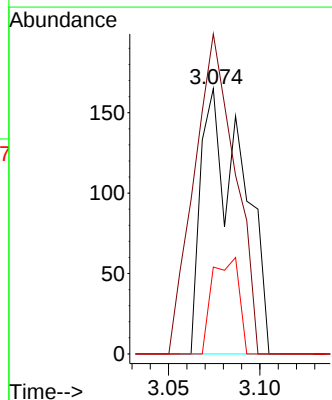
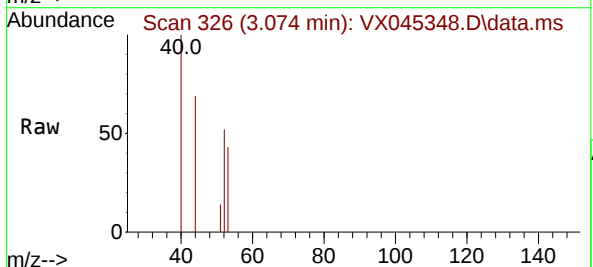
Instrument :
MSVOA_X
ClientSampleId :
VX0320MBL01

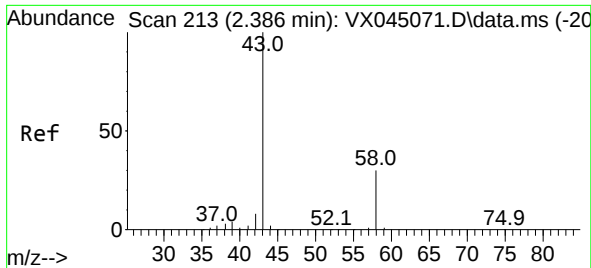
Tgt Ion: 56 Resp: 215
Ion Ratio Lower Upper
56 100
55 22.8 56.2 84.4#



#15
Acrylonitrile
Concen: 0.521 ug/l
RT: 3.074 min Scan# 326
Delta R.T. 0.012 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

Tgt Ion: 53 Resp: 260
Ion Ratio Lower Upper
53 100
52 118.8 66.2 99.2#
51 23.5 29.0 43.4#

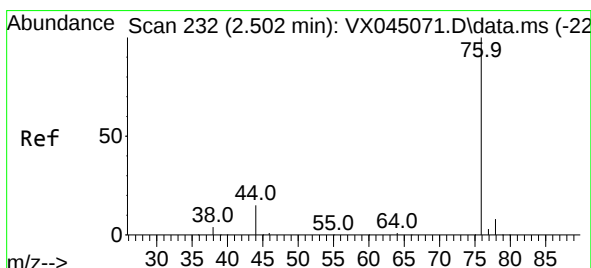
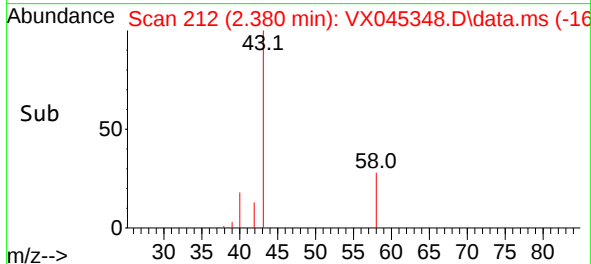
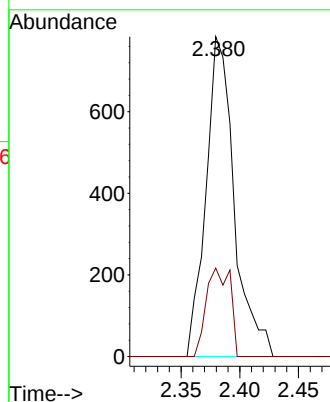
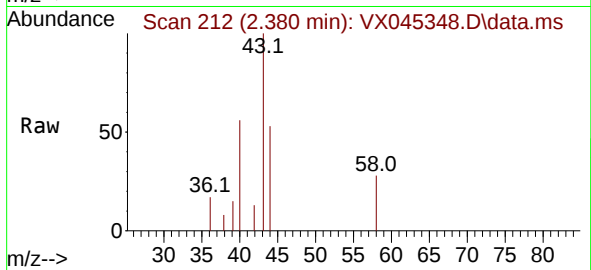




#16
Acetone
Concen: 2.874 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

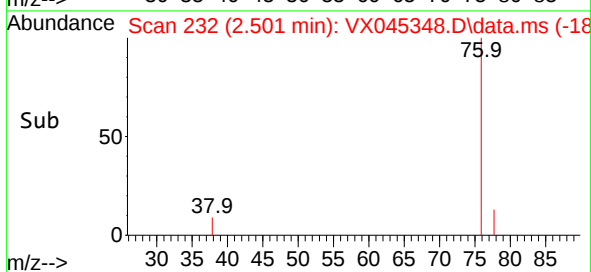
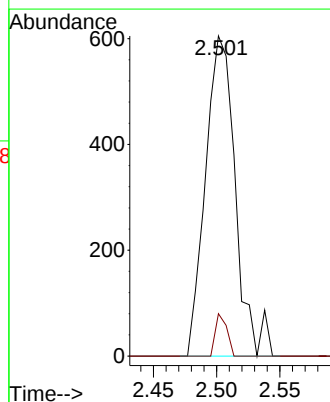
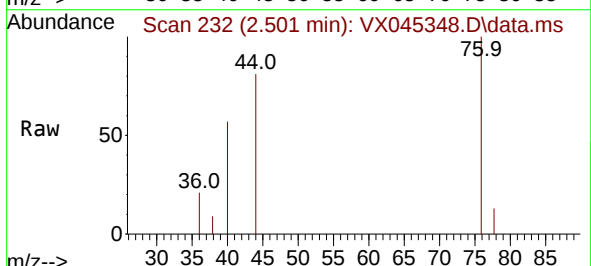
Instrument :
MSVOA_X
ClientSampleId :
VX0320MBL01

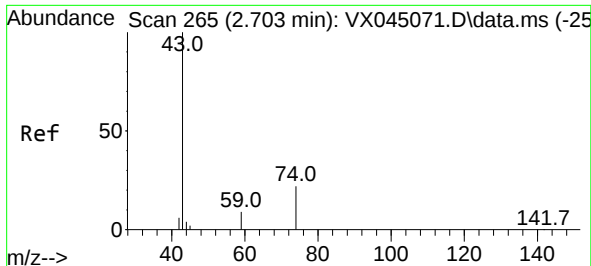
Tgt Ion: 43 Resp: 1311
Ion Ratio Lower Upper
43 100
58 27.7 24.2 36.4



#17
Carbon Disulfide
Concen: 0.492 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

Tgt Ion: 76 Resp: 995
Ion Ratio Lower Upper
76 100
78 13.2 6.6 9.8#

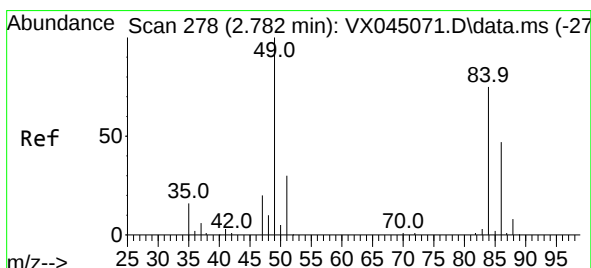
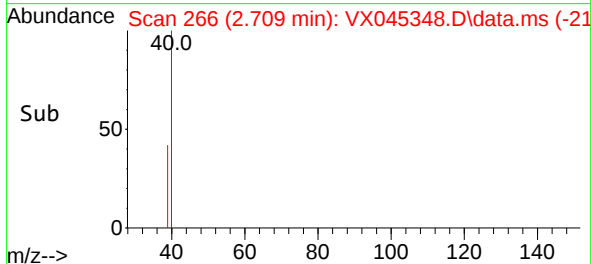
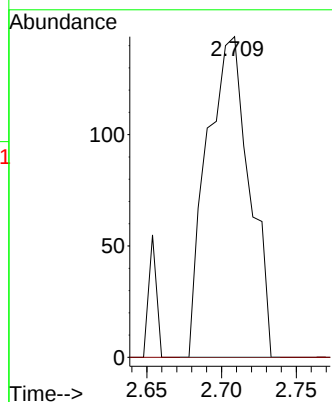
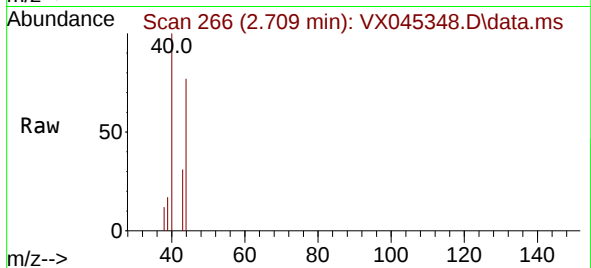




#18
Methyl Acetate
Concen: 0.260 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

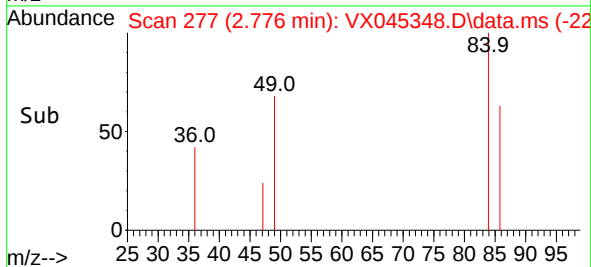
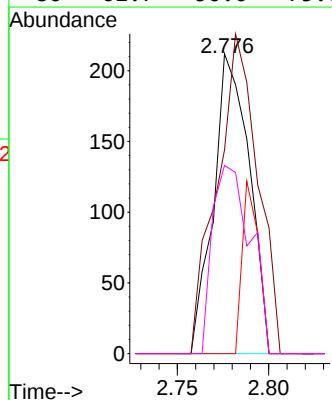
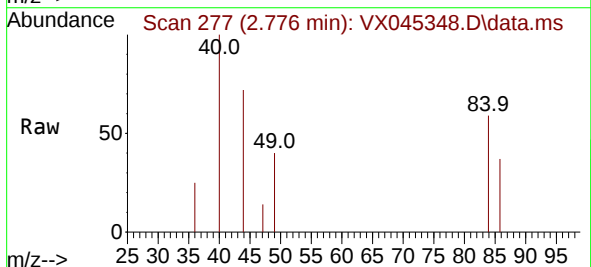
Instrument :
MSVOA_X
ClientSampleId :
VX0320MBL01

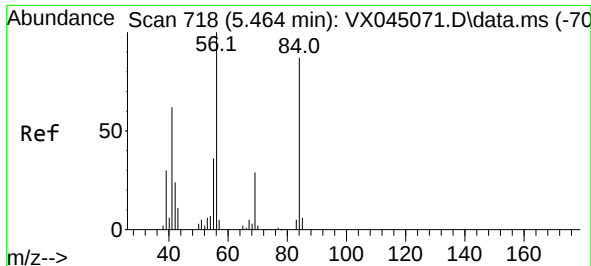
Tgt Ion: 43 Resp: 285
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



#20
Methylene Chloride
Concen: 0.319 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

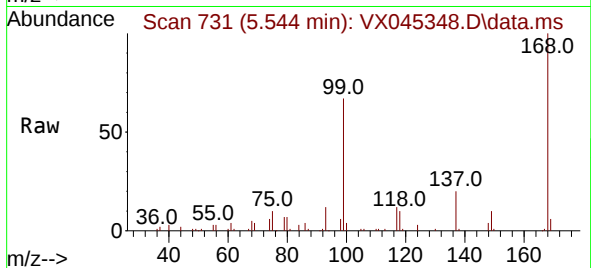
Tgt Ion: 84 Resp: 288
Ion Ratio Lower Upper
84 100
49 67.9 106.5 159.7#
51 0.0 32.1 48.1#
86 62.7 50.0 75.0



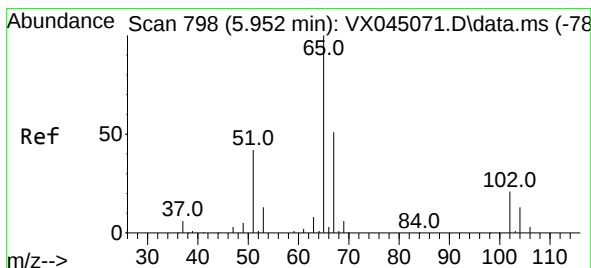
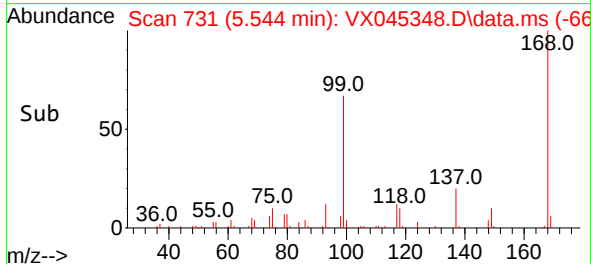
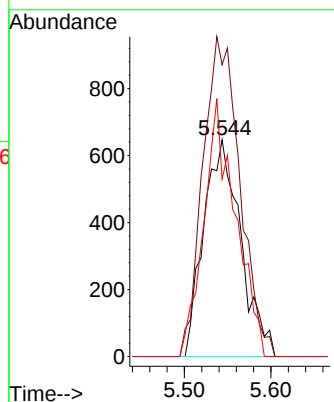


#31
Cyclohexane
Concen: 1.435 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX0320MBL01

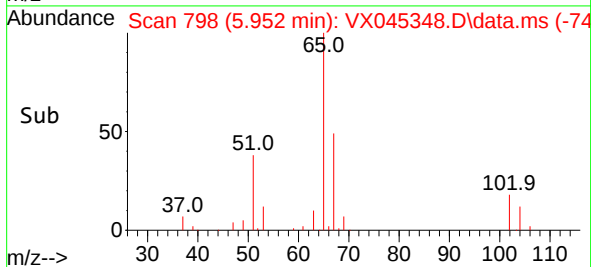
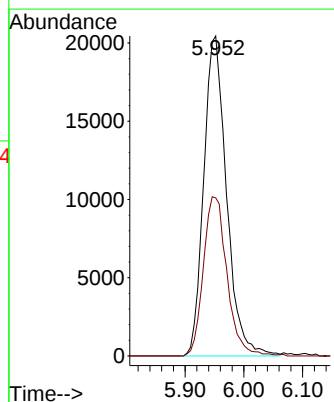
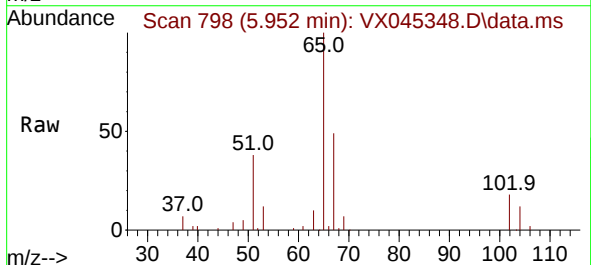


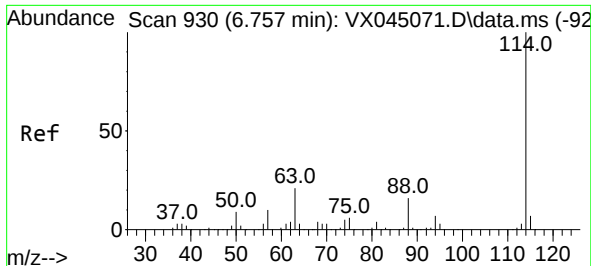
Tgt Ion: 56 Resp: 1920
Ion Ratio Lower Upper
56 100
69 134.6 23.4 35.2#
84 81.9 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 56.067 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

Tgt Ion: 65 Resp: 55120
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.2

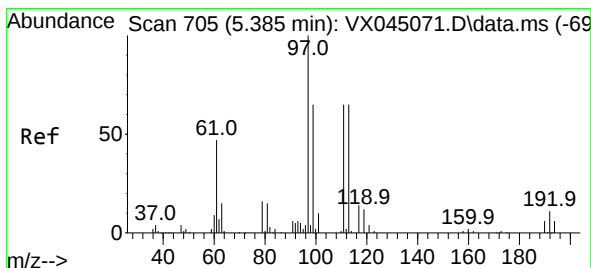
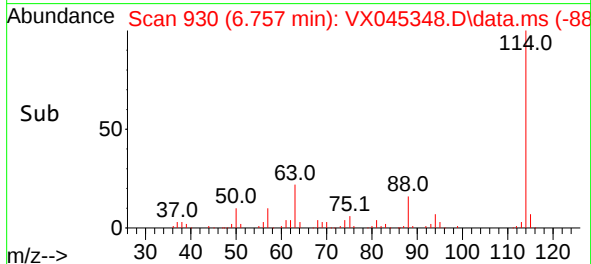
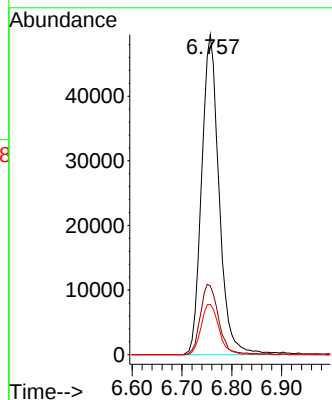
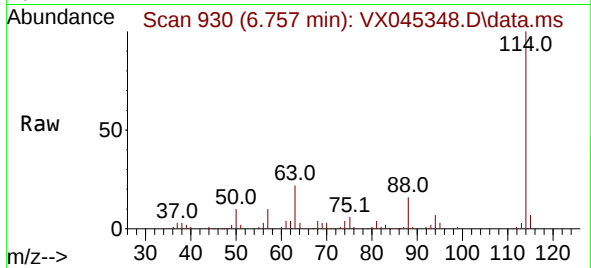




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

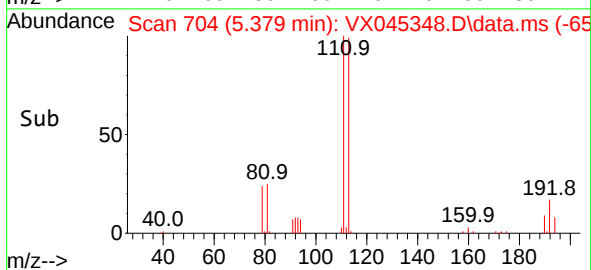
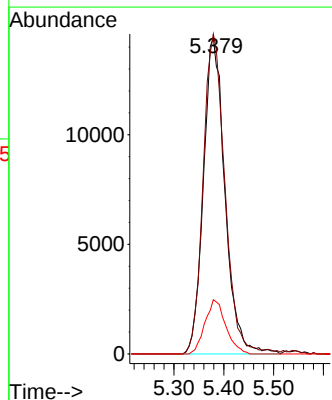
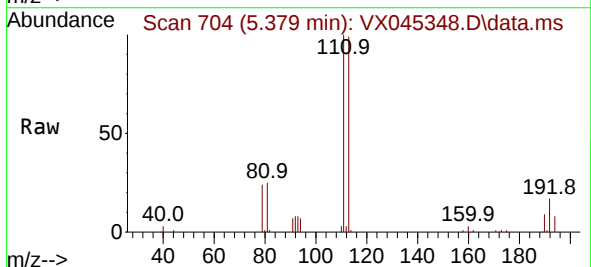
Instrument :
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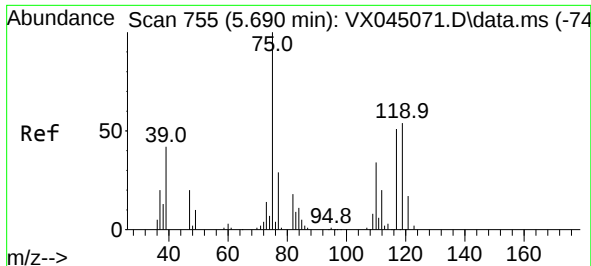
Tgt Ion:114 Resp: 120496
Ion Ratio Lower Upper
114 100
63 21.5 0.0 41.8
88 15.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 53.656 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

Tgt Ion:113 Resp: 43232
Ion Ratio Lower Upper
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111 101.8 81.8 122.6
192 16.6 14.3 21.5

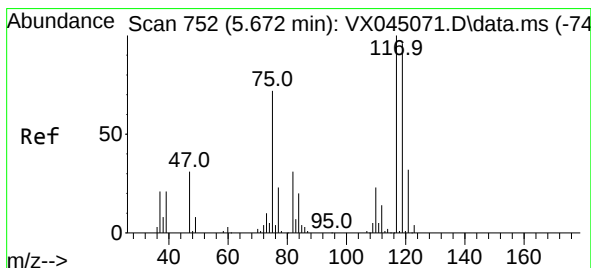
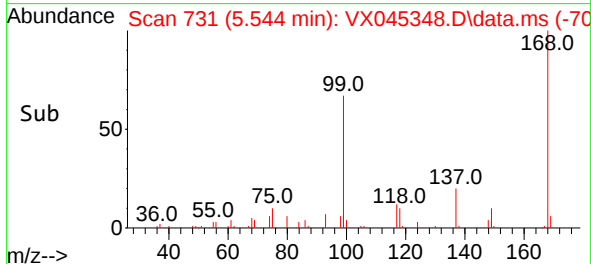
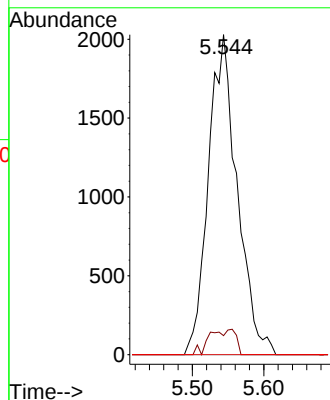
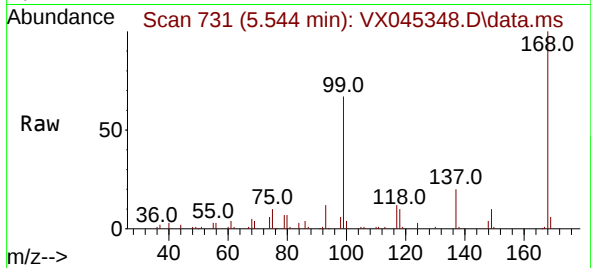




#36
1,1-Dichloropropene
Concen: 5.132 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

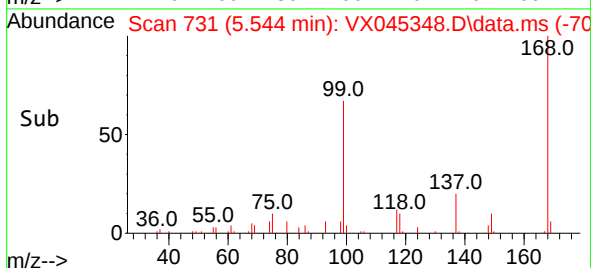
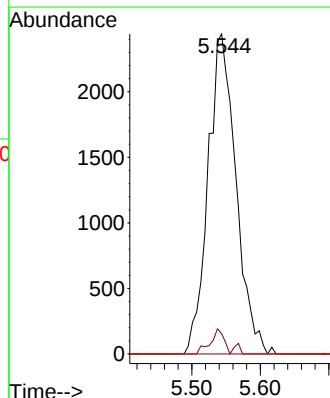
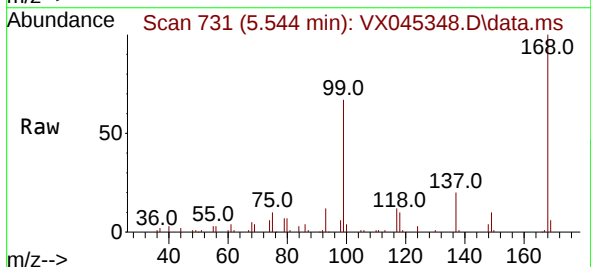
Instrument :
MSVOA_X
ClientSampleId :
VX0320MBL01

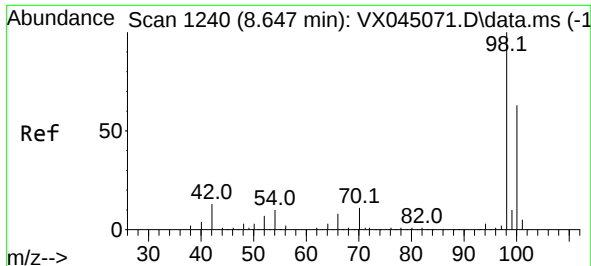
Tgt Ion: 75 Resp: 5671
Ion Ratio Lower Upper
75 100
110 4.5 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.161 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

Tgt Ion: 117 Resp: 6912
Ion Ratio Lower Upper
117 100
119 6.3 76.7 115.1#
121 0.0 25.5 38.3#

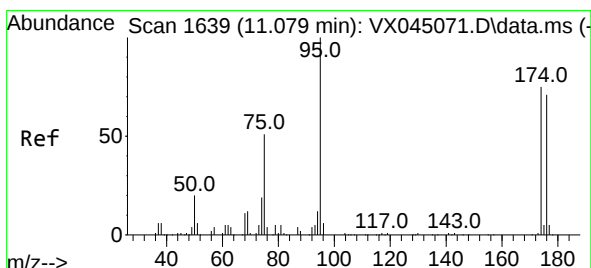
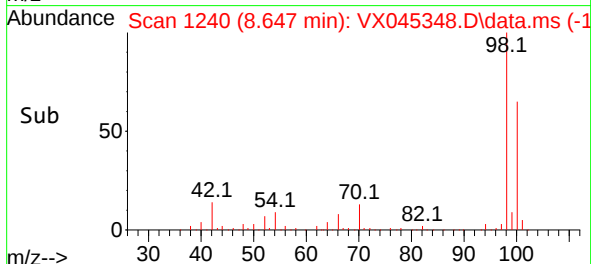
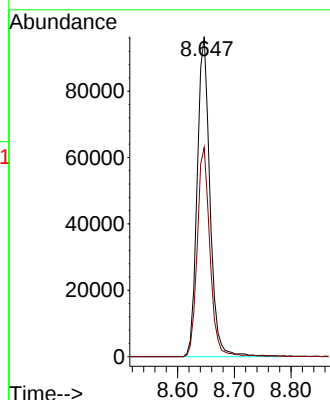
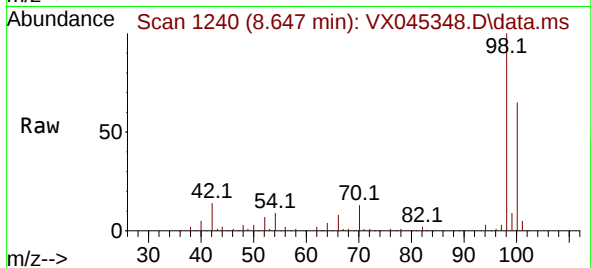




#50
Toluene-d8
Concen: 51.636 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

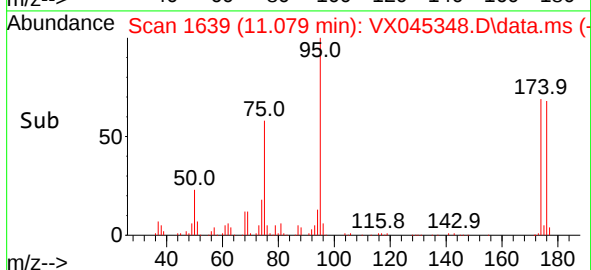
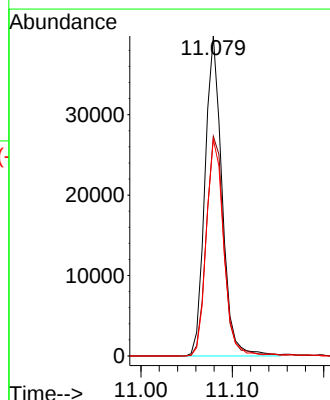
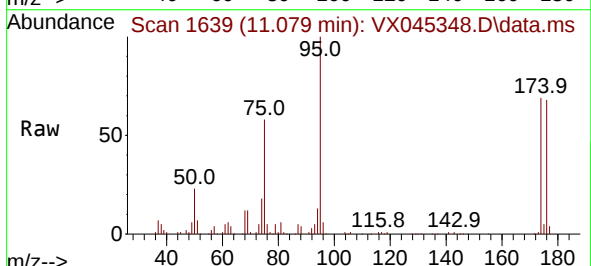
Instrument :
MSVOA_X
ClientSampleId :
VX0320MBL01

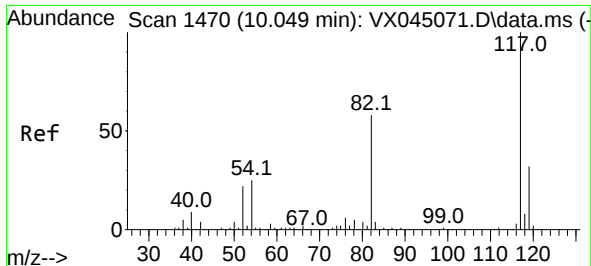
Tgt Ion: 98 Resp: 150830
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 53.279 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

Tgt Ion: 95 Resp: 51571
Ion Ratio Lower Upper
95 100
174 71.0 0.0 148.2
176 69.4 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX045348.D

Acq: 20 Mar 2025 10:06

Instrument :

MSVOA_X

ClientSampleId :

VX0320MBL01

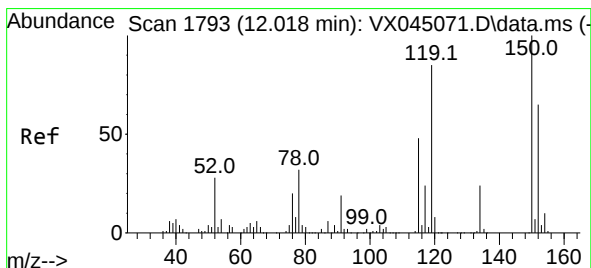
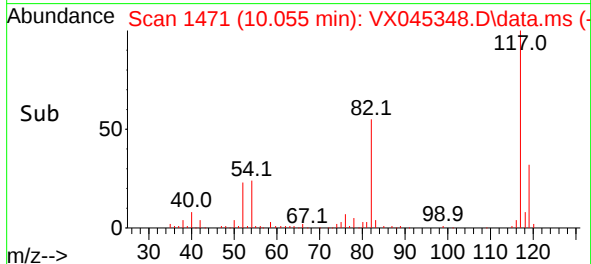
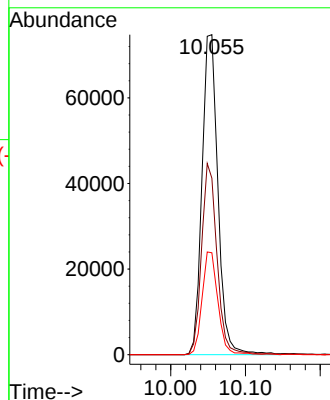
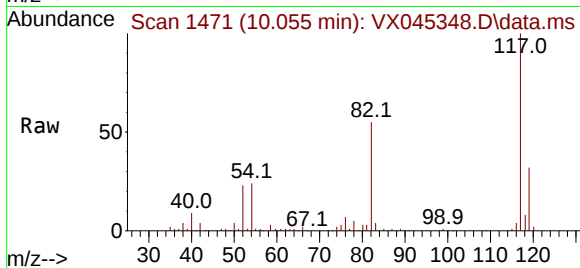
Tgt Ion:117 Resp: 110873

Ion Ratio Lower Upper

117 100

82 55.1 46.3 69.5

119 31.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX045348.D

Acq: 20 Mar 2025 10:06

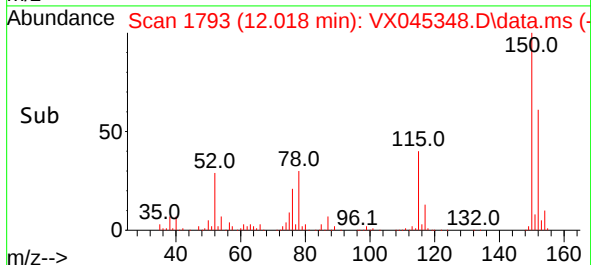
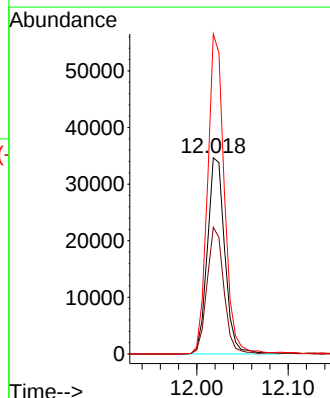
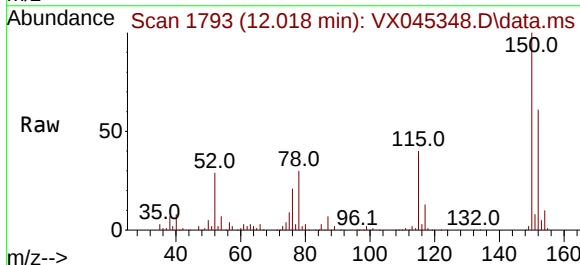
Tgt Ion:152 Resp: 45677

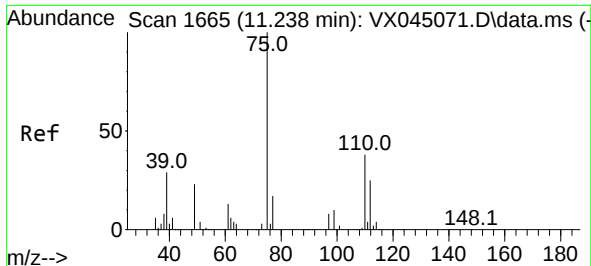
Ion Ratio Lower Upper

152 100

115 62.5 44.2 132.6

150 156.8 0.0 349.0

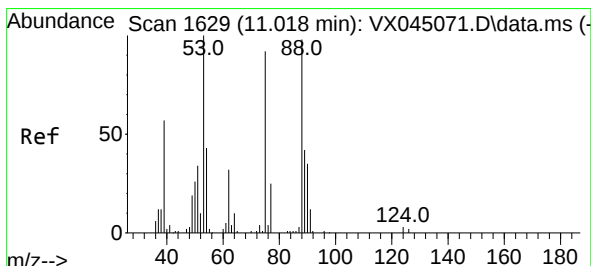
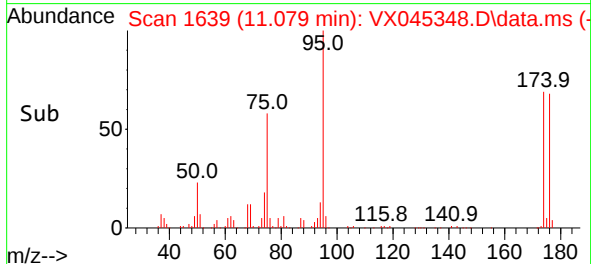
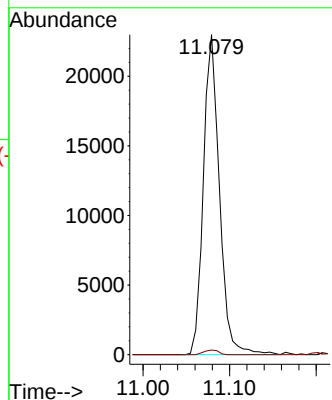
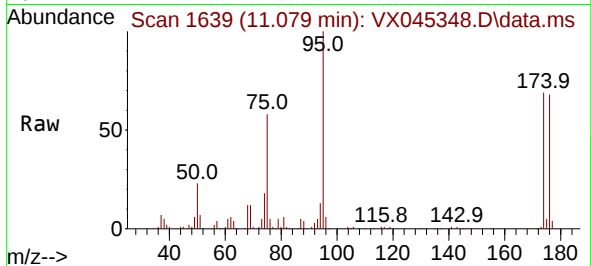




#76
1,2,3-Trichloropropane
Concen: 27.848 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

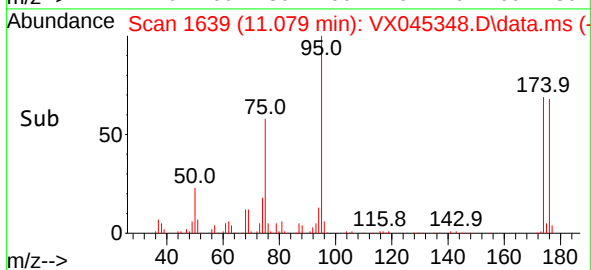
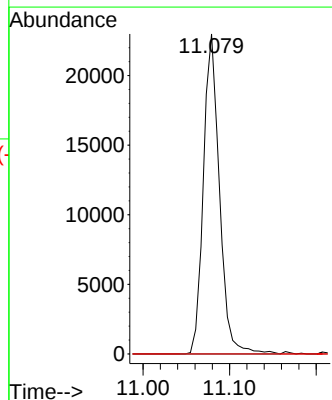
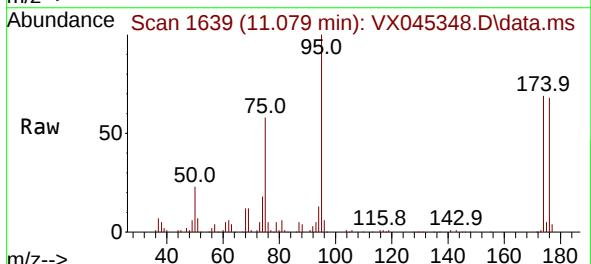
Instrument :
MSVOA_X
ClientSampleId :
VX0320MBL01

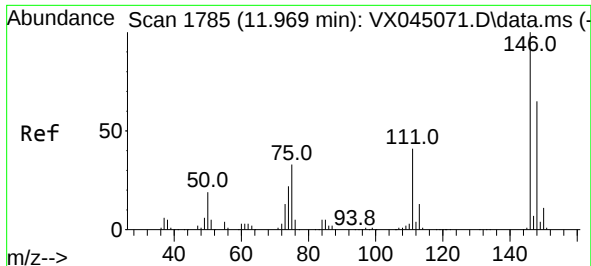
Tgt Ion: 75 Resp: 29606
Ion Ratio Lower Upper
75 100
77 1.3 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.300 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

Tgt Ion: 75 Resp: 29606
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#





#87

1,3-Dichlorobenzene

Concen: 0.209 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX045348.D

Acq: 20 Mar 2025 10:06

Instrument :

MSVOA_X

ClientSampleId :

VX0320MBL01

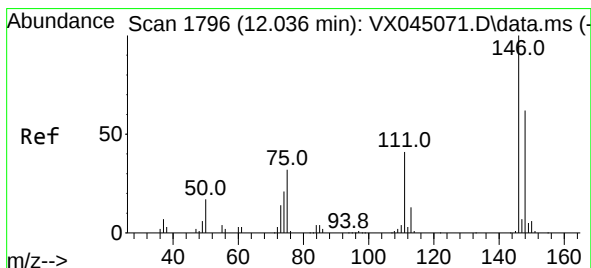
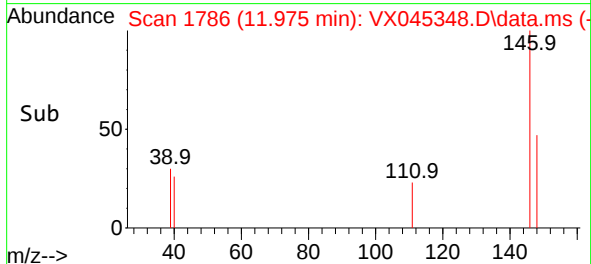
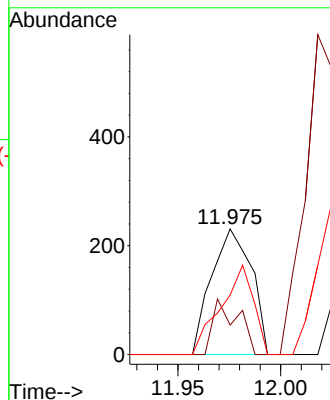
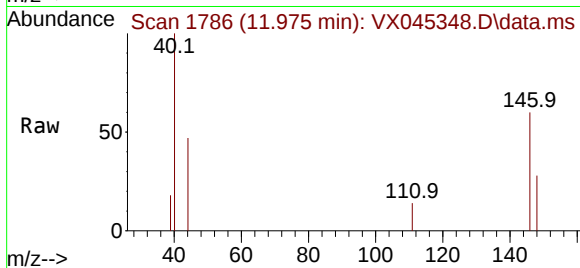
Tgt Ion:146 Resp: 313

Ion Ratio Lower Upper

146 100

111 27.8 21.1 63.4

148 57.8 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 0.206 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.061 min

Lab File: VX045348.D

Acq: 20 Mar 2025 10:06

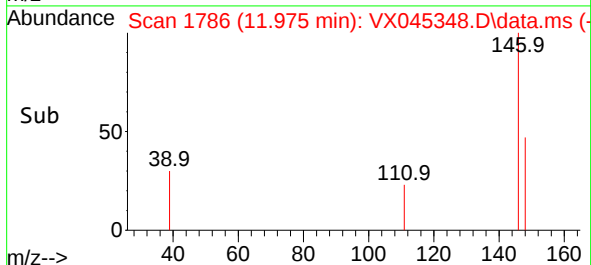
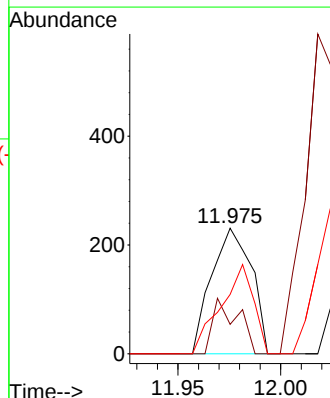
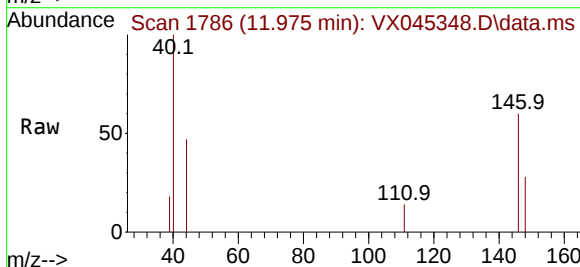
Tgt Ion:146 Resp: 313

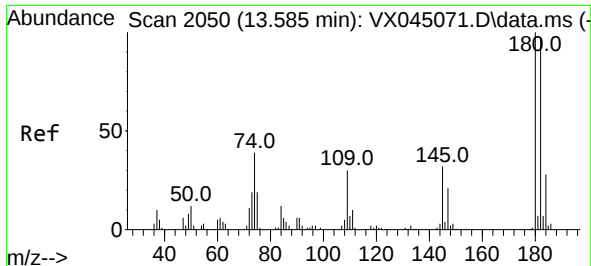
Ion Ratio Lower Upper

146 100

111 27.8 20.2 60.5

148 57.8 31.9 95.9

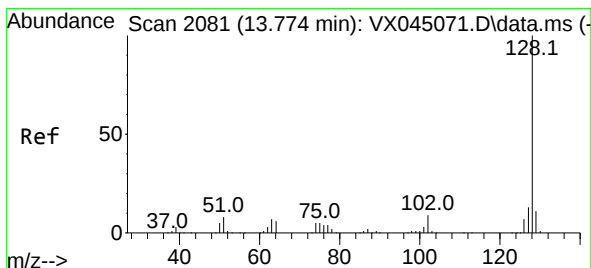
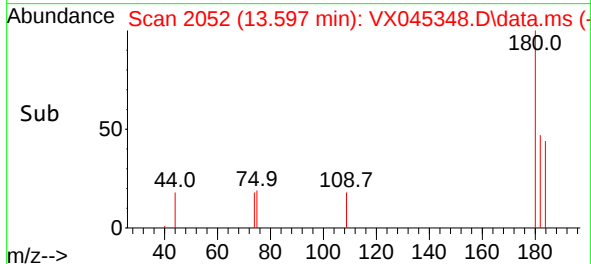
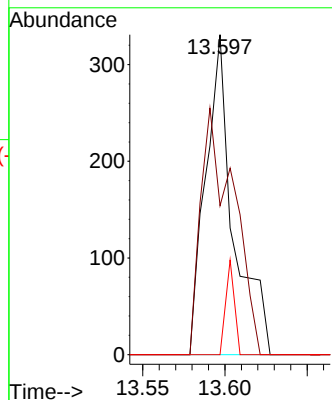
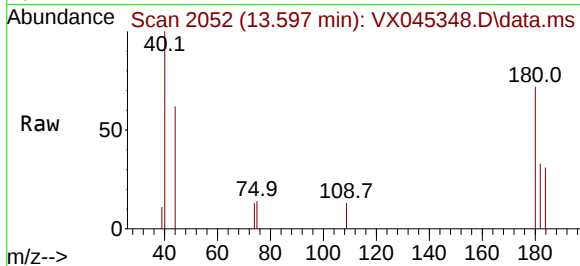




#93
1,2,4-Trichlorobenzene
Concen: 0.453 ug/l
RT: 13.597 min Scan# 2050
Delta R.T. 0.012 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

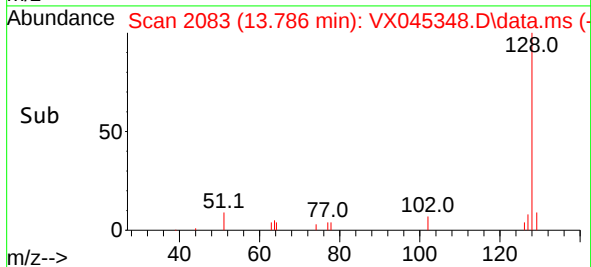
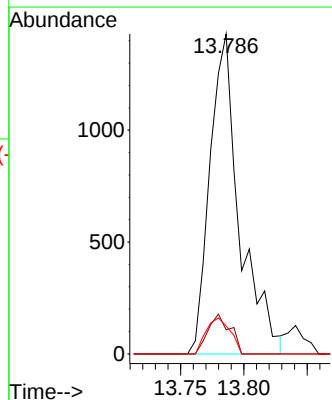
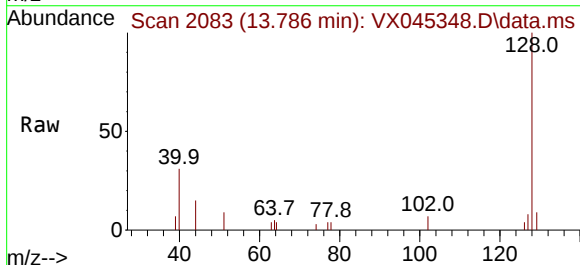
Instrument :
MSVOA_X
ClientSampleId :
VX0320MBL01

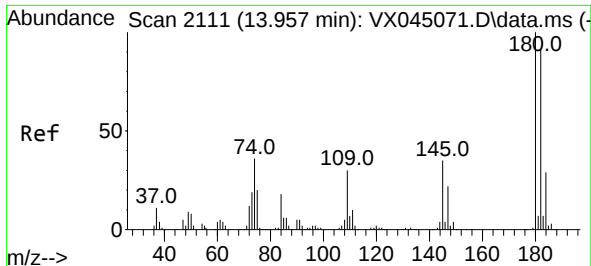
Tgt Ion:180 Resp: 388
Ion Ratio Lower Upper
180 100
182 91.0 47.3 141.9
145 9.3 16.3 48.9#



#95
Naphthalene
Concen: 0.709 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX045348.D
Acq: 20 Mar 2025 10:06

Tgt Ion:128 Resp: 2335
Ion Ratio Lower Upper
128 100
127 9.3 10.3 15.5#
129 9.2 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 0.480 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045348.D

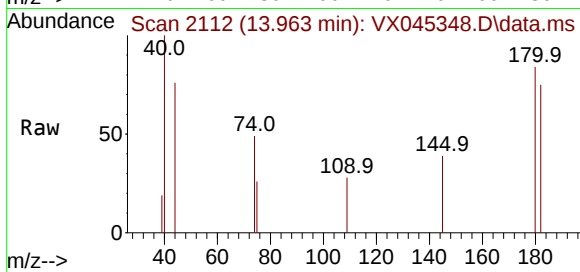
Acq: 20 Mar 2025 10:06

Instrument :

MSVOA_X

ClientSampleId :

VX0320MBL01



Tgt Ion:180 Resp: 434

Ion Ratio Lower Upper

180 100

182 91.5 47.5 142.6

145 36.4 17.0 50.9

