

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
 Data File : VX045184.D
 Acq On : 10 Mar 2025 10:34
 Operator : JC/MD
 Sample : VX0310MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0310MBL01

Quant Time: Mar 11 03:50:36 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)

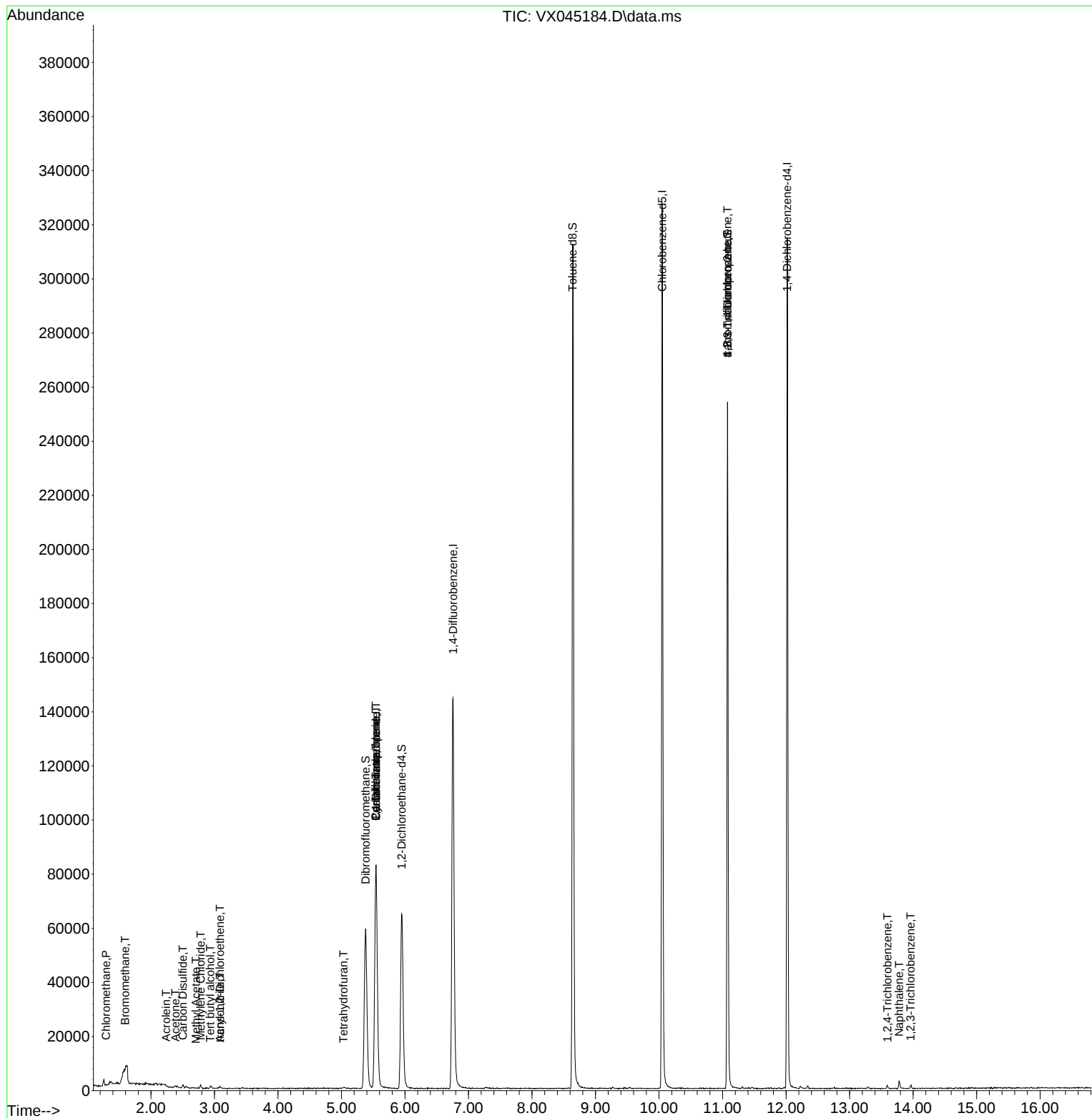
Internal Standards						
1) Pentafluorobenzene	5.544	168	77051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	148745	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	63551	51.853	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.700%			
35) Dibromofluoromethane	5.379	113	52082	52.364	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.720%			
50) Toluene-d8	8.641	98	188549	52.290	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.580%			
62) 4-Bromofluorobenzene	11.079	95	64958	54.364	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.720%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	323	0.272	ug/l #	43
5) Bromomethane	1.593	94	98	0.212	ug/l #	3
11) Tert butyl alcohol	2.934	59	211	0.909	ug/l #	73
13) Acrolein	2.239	56	183	0.682	ug/l #	69
15) Acrylonitrile	3.087	53	347	0.558	ug/l #	82
16) Acetone	2.386	43	897	1.577	ug/l #	86
17) Carbon Disulfide	2.501	76	1272	0.504	ug/l #	95
18) Methyl Acetate	2.709	43	358	0.262	ug/l #	54
20) Methylene Chloride	2.782	84	394	0.350	ug/l #	80
21) trans-1,2-Dichloroethene	3.087	96	202	0.216	ug/l #	71
29) Tetrahydrofuran	5.031	42	261	0.454	ug/l #	50
31) Cyclohexane	5.544	56	2050	1.229	ug/l #	8
36) 1,1-Dichloropropene	5.544	75	6900	5.059	ug/l #	49
38) Carbon Tetrachloride	5.544	117	8072	5.829	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	36278	25.023	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	36278	85.634	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.597	180	412	0.352	ug/l	92
95) Naphthalene	13.780	128	2492	0.555	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.963	180	443	0.359	ug/l	70

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

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Instrument :
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Quant Time: Mar 11 03:50:36 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

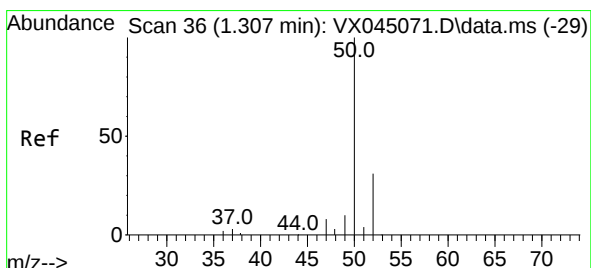
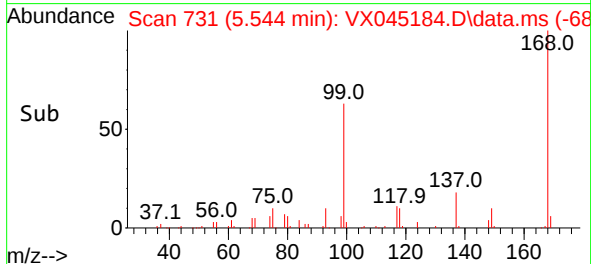
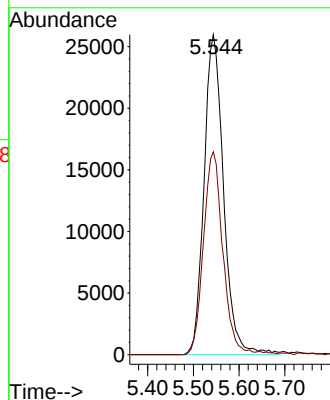
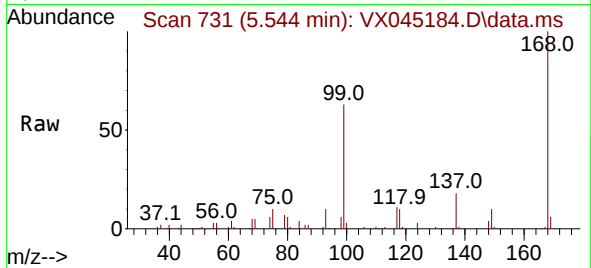




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

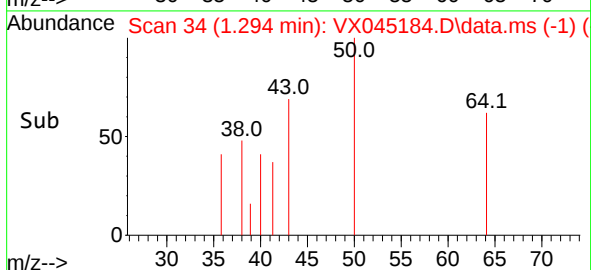
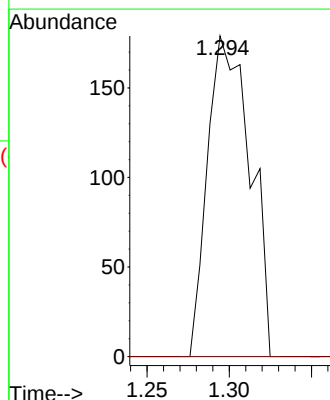
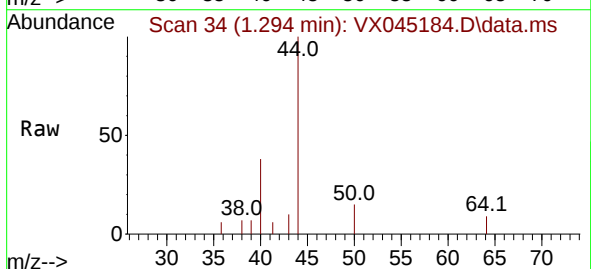
Instrument :
MSVOA_X
ClientSampleId :
VX0310MBL01

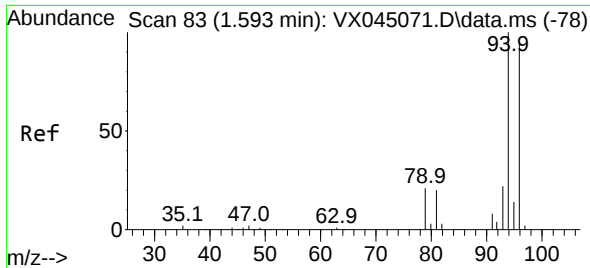
Tgt Ion:168 Resp: 77051
Ion Ratio Lower Upper
168 100
99 63.4 48.2 72.4



#3
Chloromethane
Concen: 0.272 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

Tgt Ion: 50 Resp: 323
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

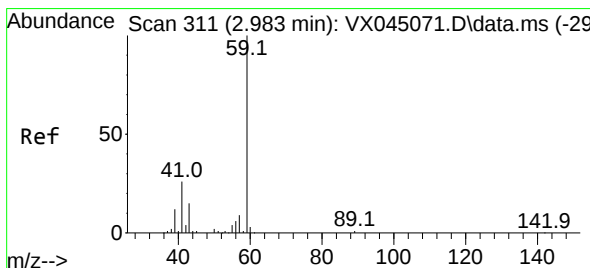
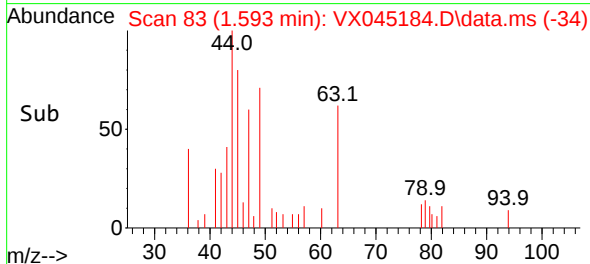
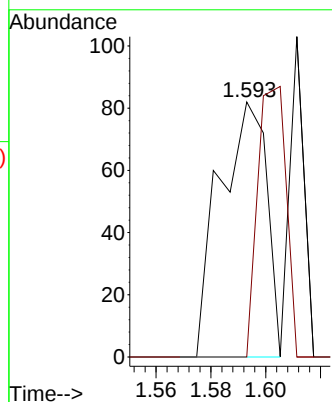
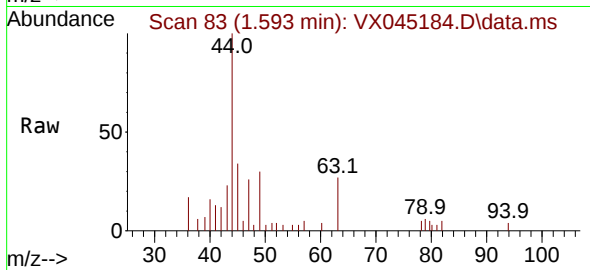




#5
Bromomethane
Concen: 0.212 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

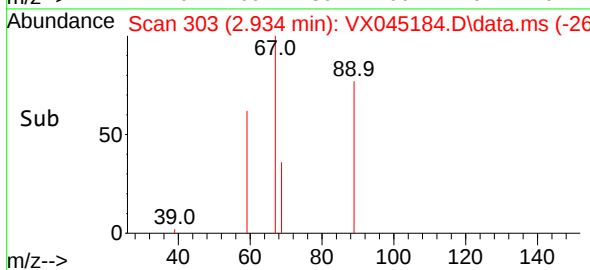
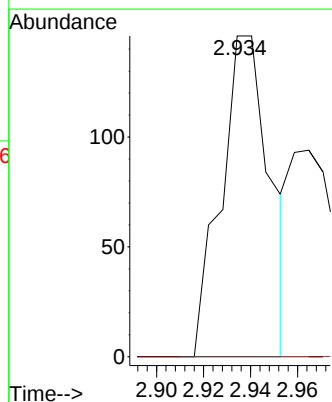
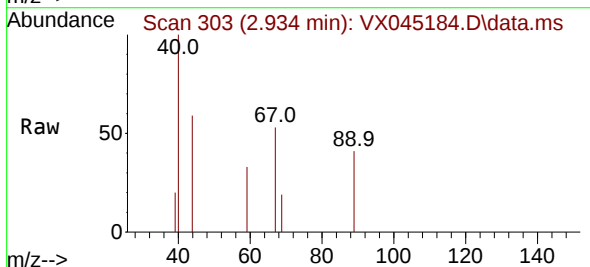
Instrument :
MSVOA_X
ClientSampleId :
VX0310MBL01

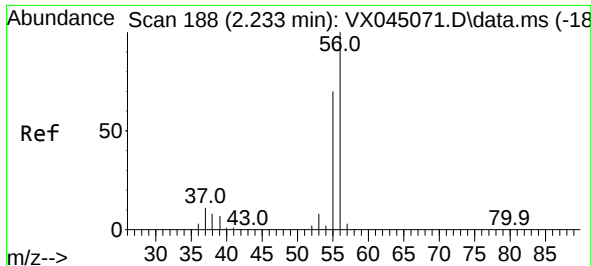
Tgt Ion: 94 Resp: 98
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#



#11
Tert butyl alcohol
Concen: 0.909 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.049 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

Tgt Ion: 59 Resp: 211
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

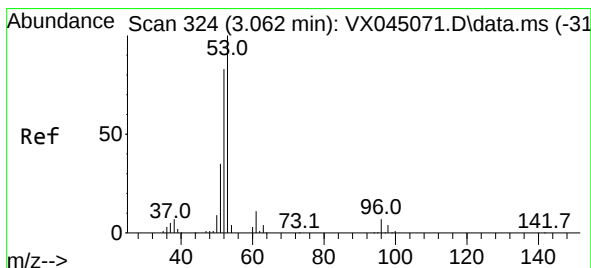
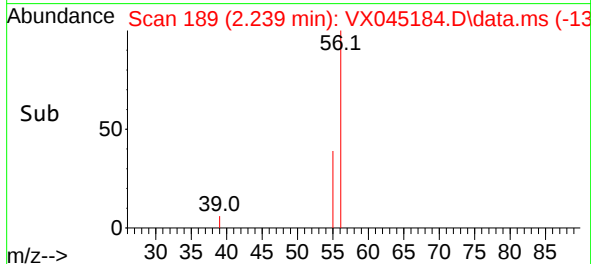
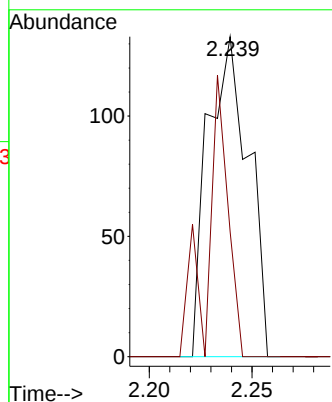
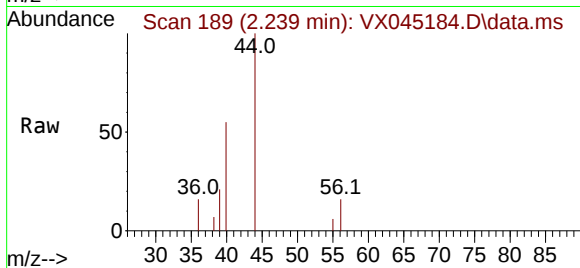




#13
Acrolein
Concen: 0.682 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

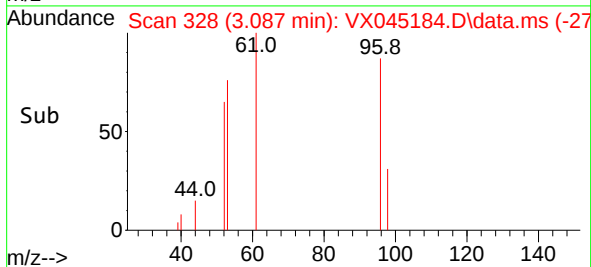
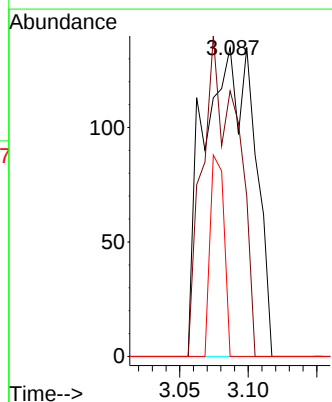
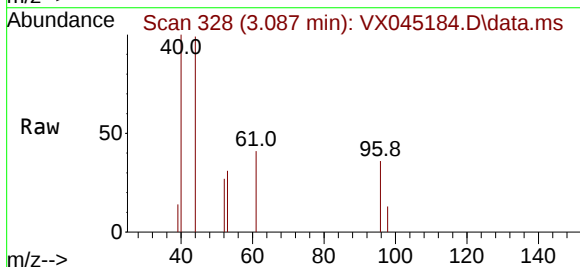
Instrument :
MSVOA_X
ClientSampleId :
VX0310MBL01

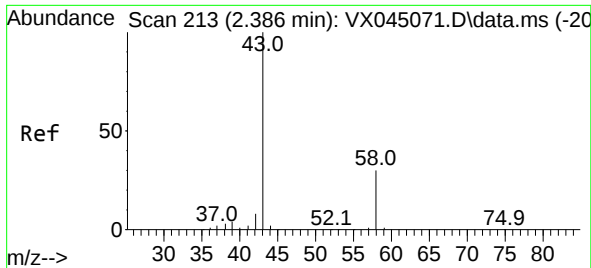
Tgt Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
55 44.8 56.2 84.4#



#15
Acrylonitrile
Concen: 0.558 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.024 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

Tgt Ion: 53 Resp: 347
Ion Ratio Lower Upper
53 100
52 71.8 66.2 99.2
51 17.9 29.0 43.4#

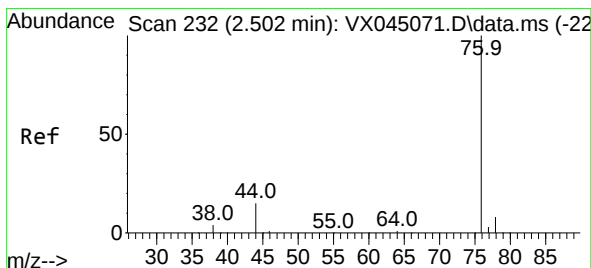
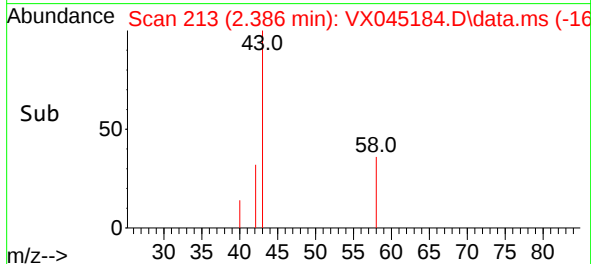
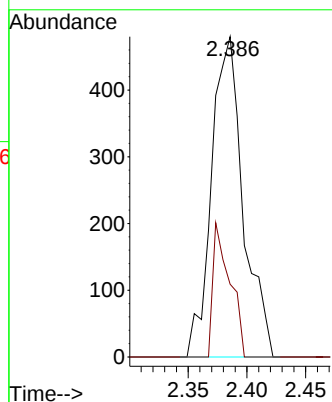
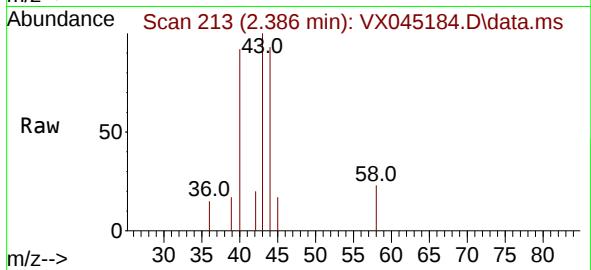




#16
Acetone
Concen: 1.577 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

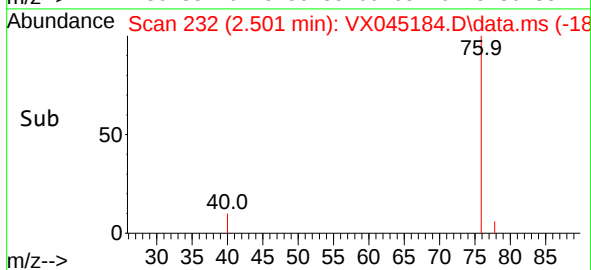
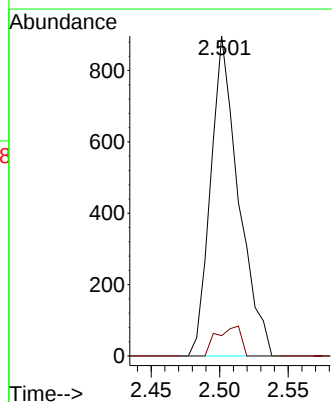
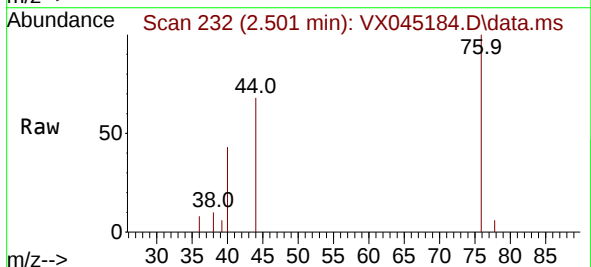
Instrument :
MSVOA_X
ClientSampleId :
VX0310MBL01

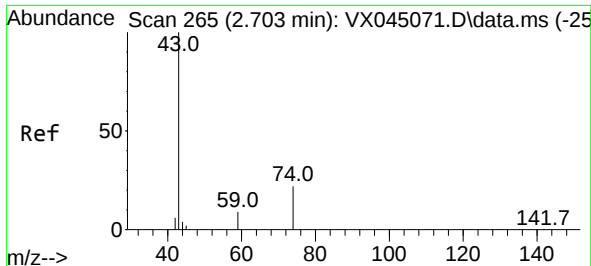
Tgt Ion: 43 Resp: 897
Ion Ratio Lower Upper
43 100
58 22.7 24.2 36.4#



#17
Carbon Disulfide
Concen: 0.504 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

Tgt Ion: 76 Resp: 1272
Ion Ratio Lower Upper
76 100
78 6.4 6.6 9.8#





#18

Methyl Acetate

Concen: 0.262 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX045184.D

Acq: 10 Mar 2025 10:34

Instrument :

MSVOA_X

ClientSampleId :

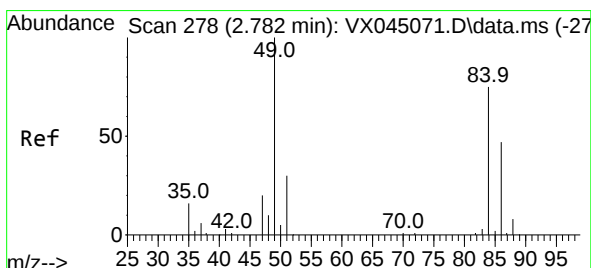
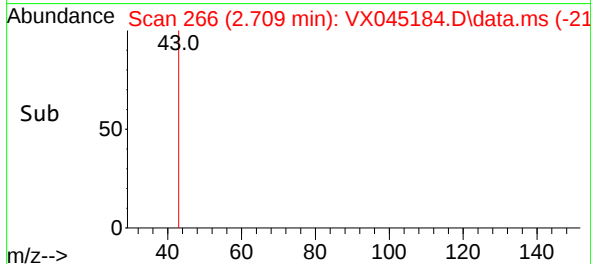
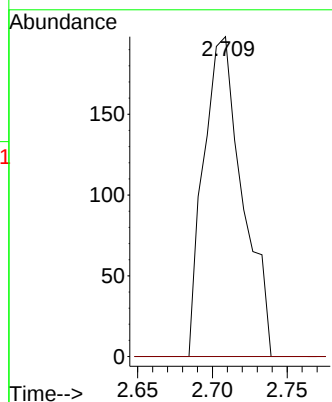
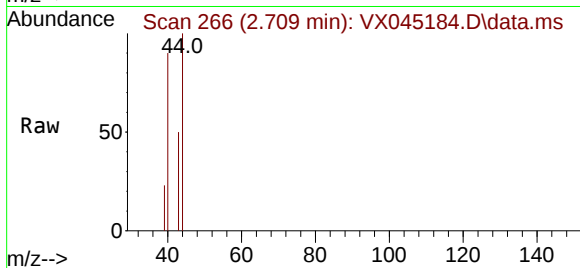
VX0310MBL01

Tgt Ion: 43 Resp: 358

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.2#



#20

Methylene Chloride

Concen: 0.350 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045184.D

Acq: 10 Mar 2025 10:34

Tgt Ion: 84 Resp: 394

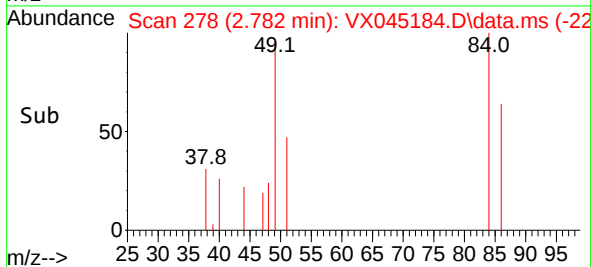
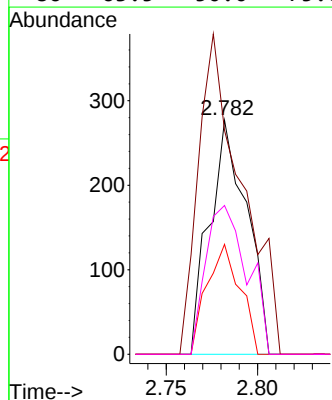
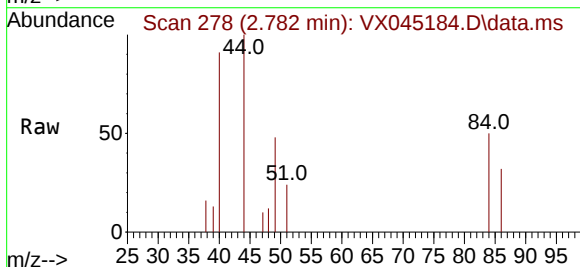
Ion Ratio Lower Upper

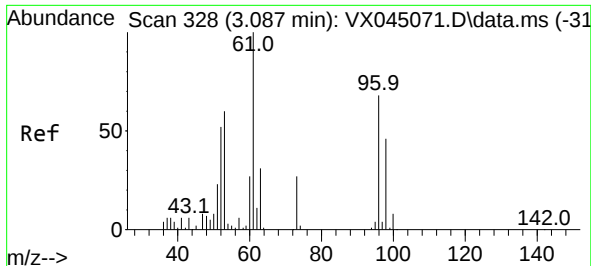
84 100

49 95.7 106.5 159.7#

51 46.9 32.1 48.1

86 63.5 50.0 75.0

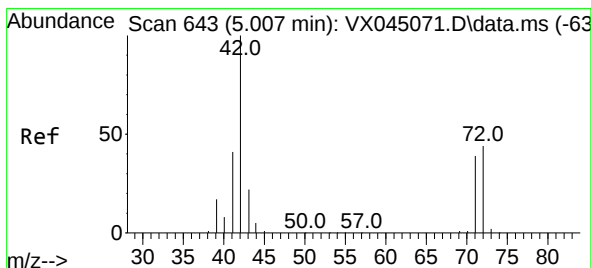
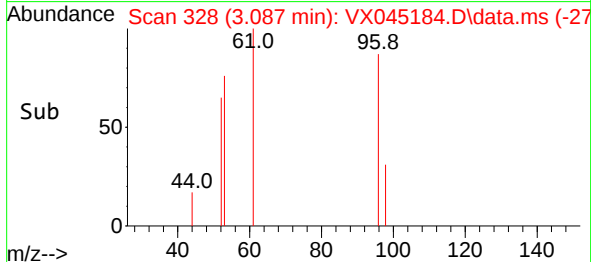
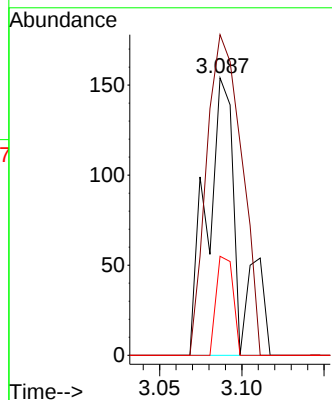
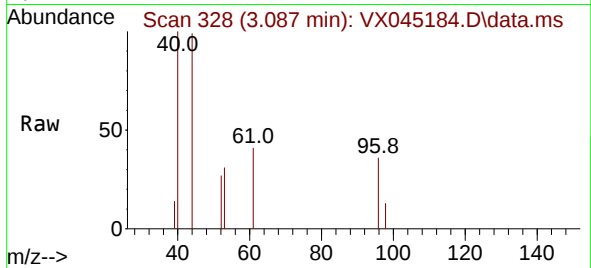




#21
trans-1,2-Dichloroethene
Concen: 0.216 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

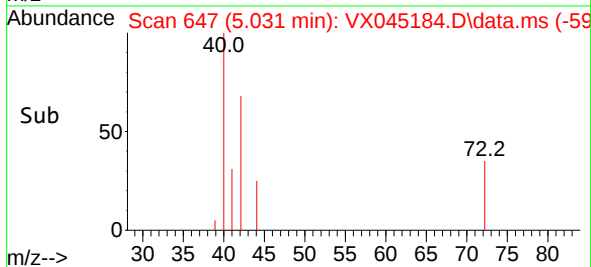
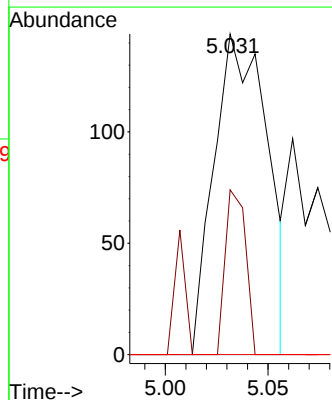
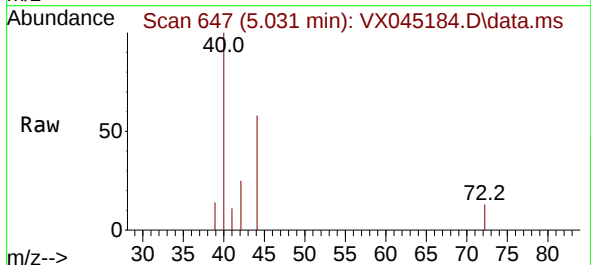
Instrument :
MSVOA_X
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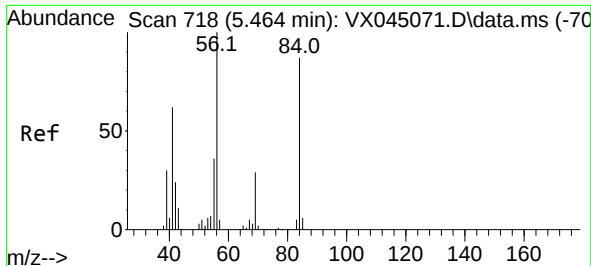
Tgt Ion: 96 Resp: 202
Ion Ratio Lower Upper
96 100
61 115.6 117.0 175.4#
98 35.7 53.4 80.2#



#29
Tetrahydrofuran
Concen: 0.454 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

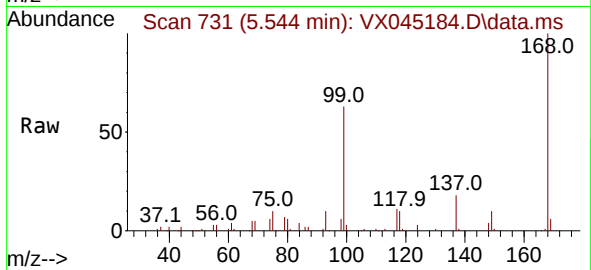
Tgt Ion: 42 Resp: 261
Ion Ratio Lower Upper
42 100
72 19.5 34.1 51.1#
71 0.0 31.4 47.0#



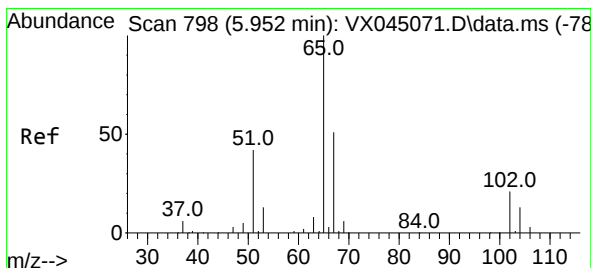
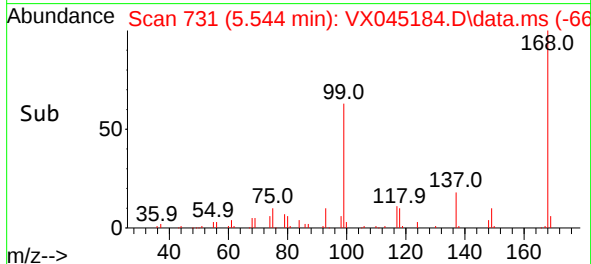
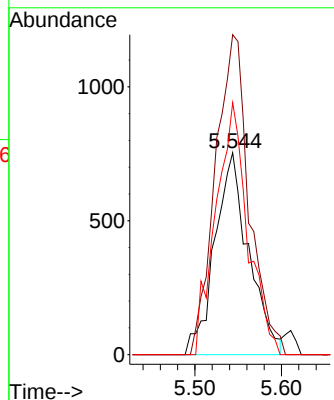


#31
Cyclohexane
Concen: 1.229 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX0310MBL01

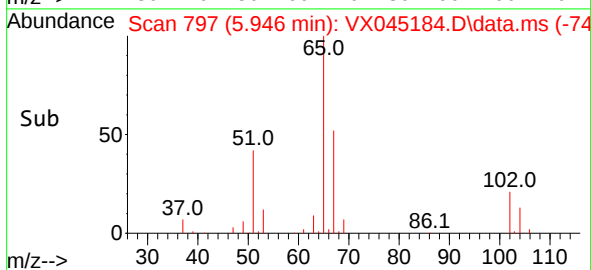
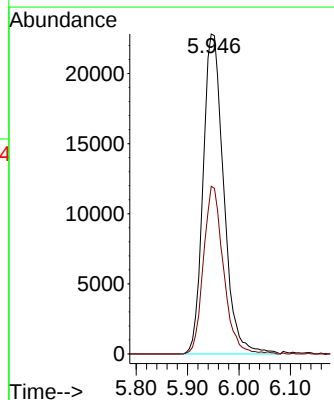
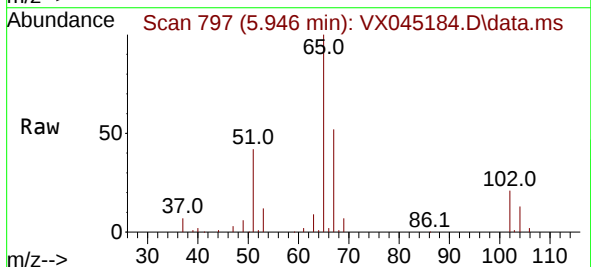


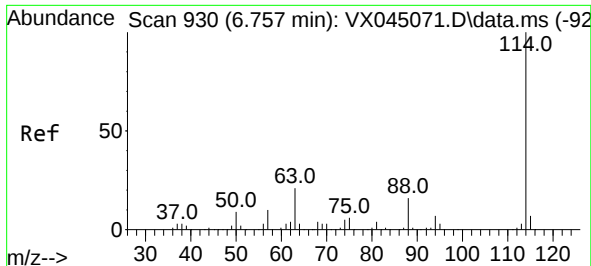
Tgt Ion: 56 Resp: 2050
Ion Ratio Lower Upper
56 100
69 158.5 23.4 35.2#
84 124.8 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 51.853 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

Tgt Ion: 65 Resp: 63551
Ion Ratio Lower Upper
65 100
67 50.9 0.0 106.2

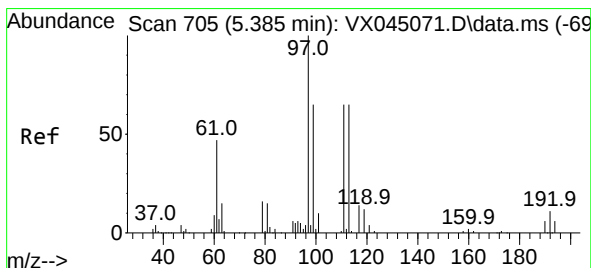
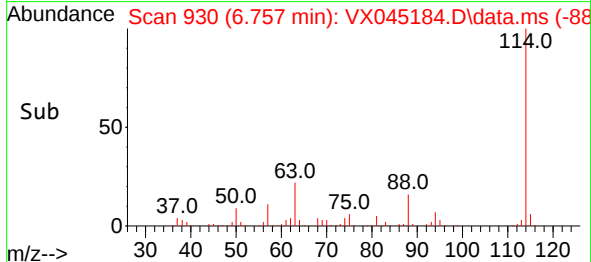
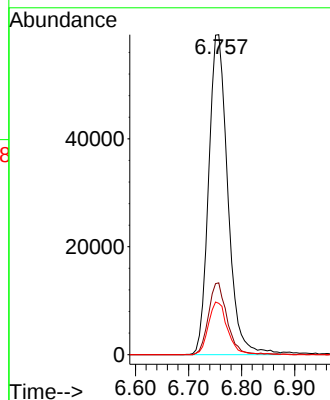
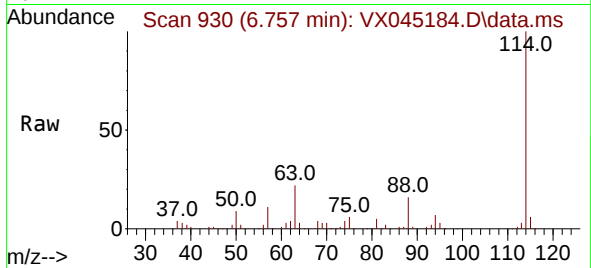




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

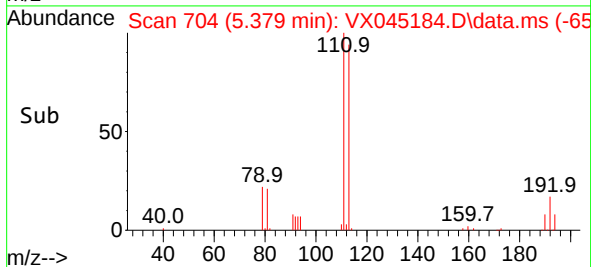
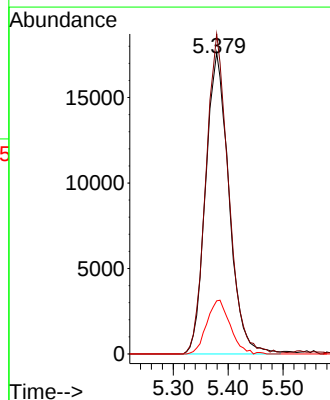
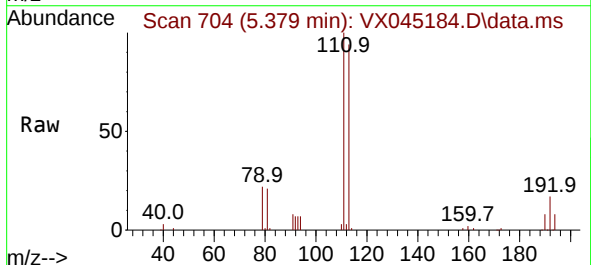
Instrument :
MSVOA_X
ClientSampleId :
VX0310MBL01

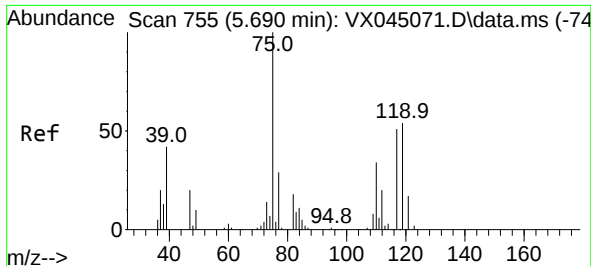
Tgt Ion:114 Resp: 148745
Ion Ratio Lower Upper
114 100
63 22.5 0.0 41.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.364 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

Tgt Ion:113 Resp: 52082
Ion Ratio Lower Upper
113 100
111 103.5 81.8 122.6
192 17.8 14.3 21.5

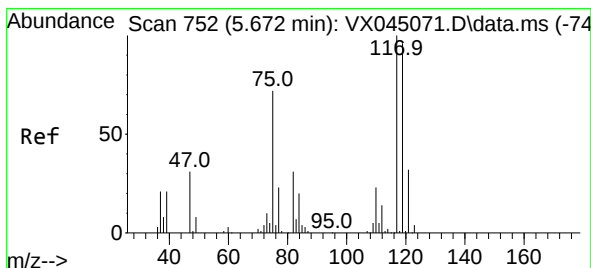
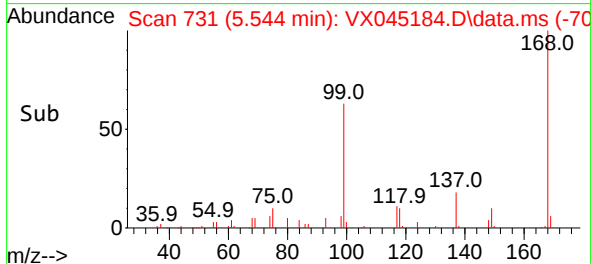
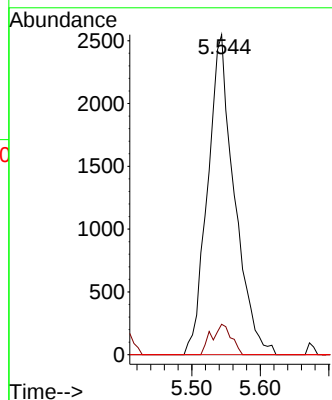
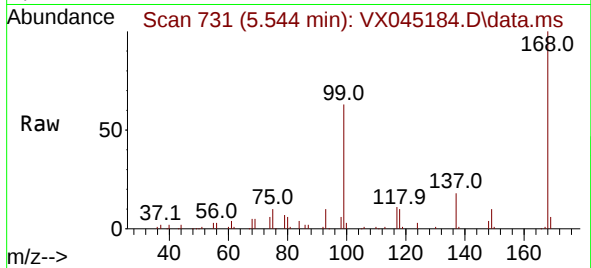




#36
 1,1-Dichloropropene
 Concen: 5.059 ug/l
 RT: 5.544 min Scan# 711
 Delta R.T. -0.146 min
 Lab File: VX045184.D
 Acq: 10 Mar 2025 10:34

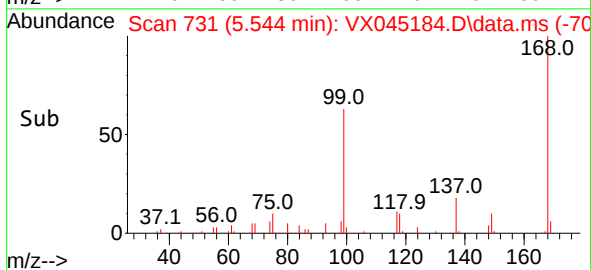
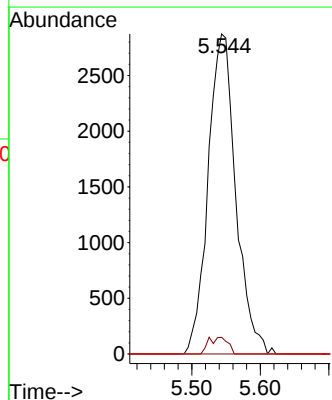
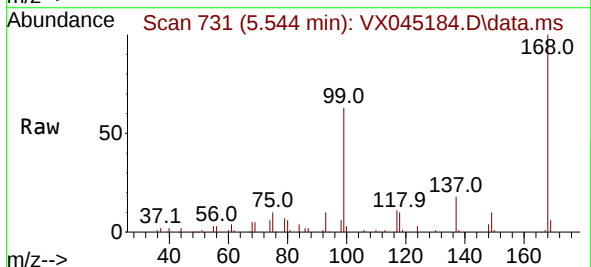
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0310MBL01

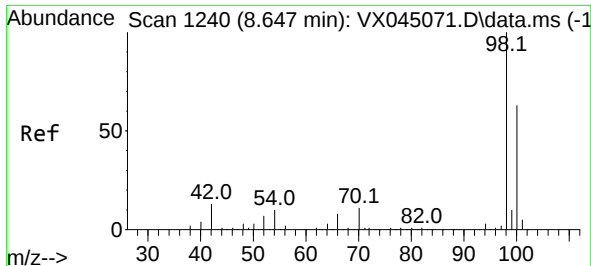
Tgt Ion: 75 Resp: 6900
 Ion Ratio Lower Upper
 75 100
 110 7.1 16.9 50.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.829 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. -0.128 min
 Lab File: VX045184.D
 Acq: 10 Mar 2025 10:34

Tgt Ion: 117 Resp: 8072
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.7 115.1#
 121 0.0 25.5 38.3#

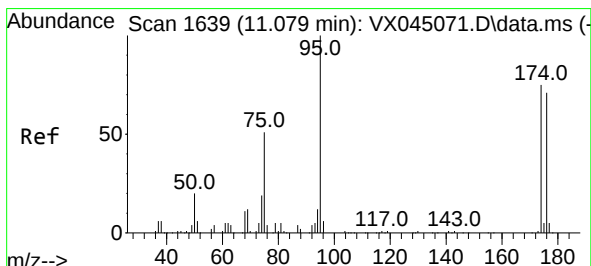
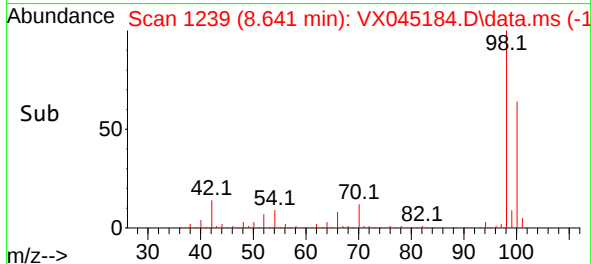
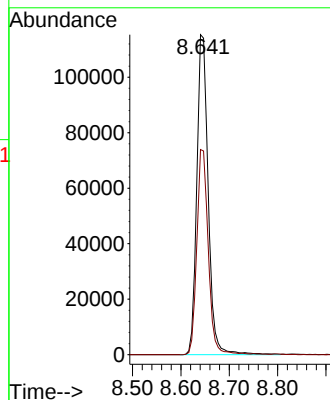
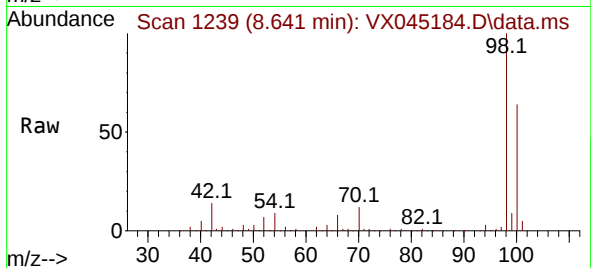




#50
Toluene-d8
Concen: 52.290 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

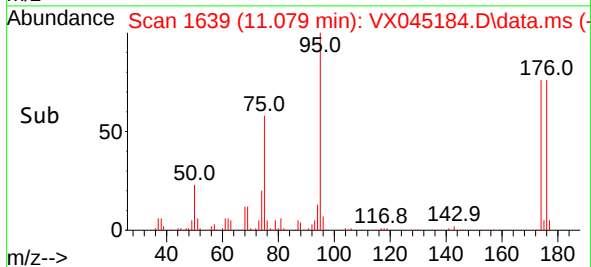
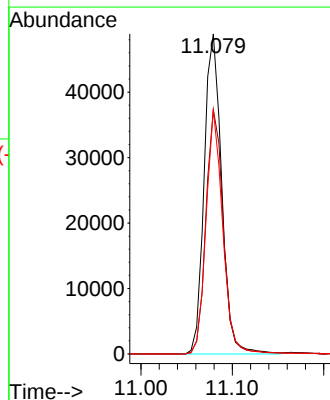
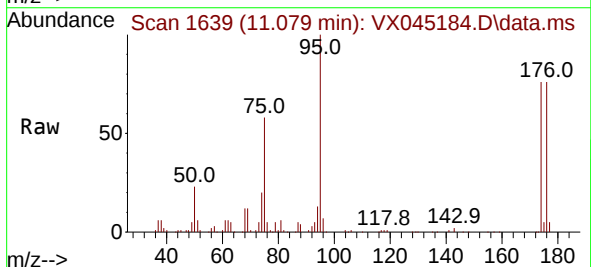
Instrument :
MSVOA_X
ClientSampleId :
VX0310MBL01

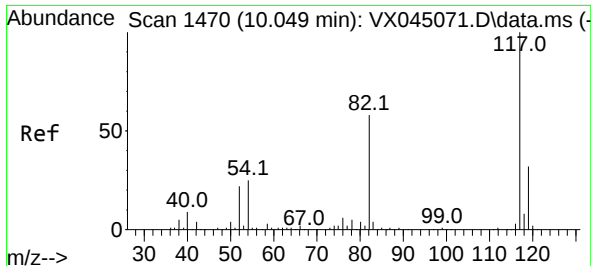
Tgt Ion: 98 Resp: 188549
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 54.364 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

Tgt Ion: 95 Resp: 64958
Ion Ratio Lower Upper
95 100
174 76.0 0.0 148.2
176 72.6 0.0 141.4

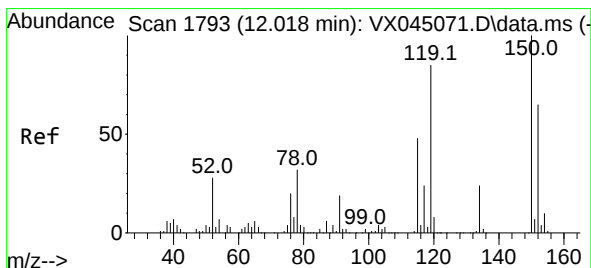
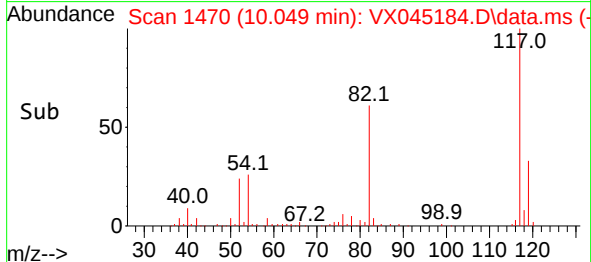
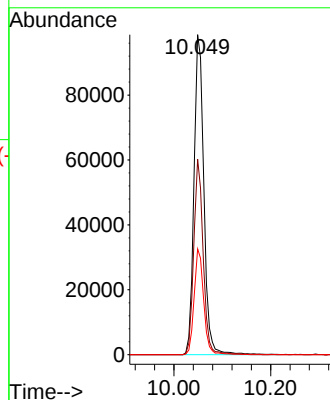
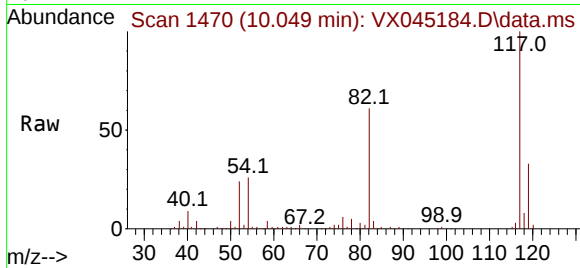




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

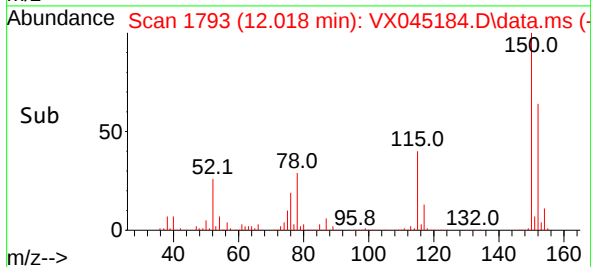
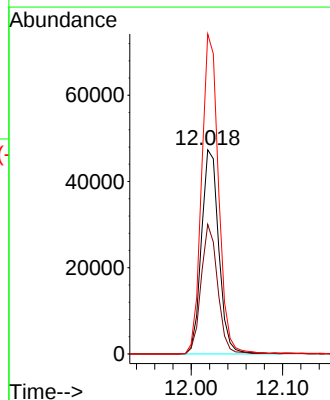
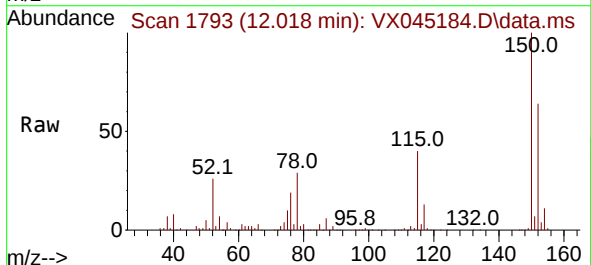
Instrument :
MSVOA_X
ClientSampleId :
VX0310MBL01

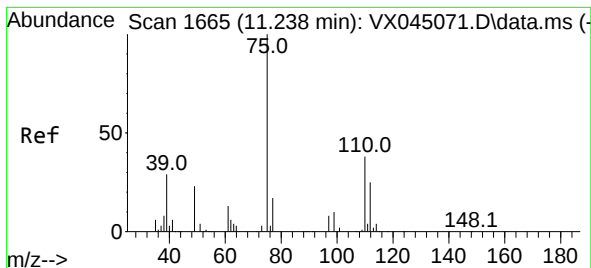
Tgt Ion:117 Resp: 139472
Ion Ratio Lower Upper
117 100
82 61.1 46.3 69.5
119 33.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

Tgt Ion:152 Resp: 62289
Ion Ratio Lower Upper
152 100
115 60.6 44.2 132.6
150 152.8 0.0 349.0

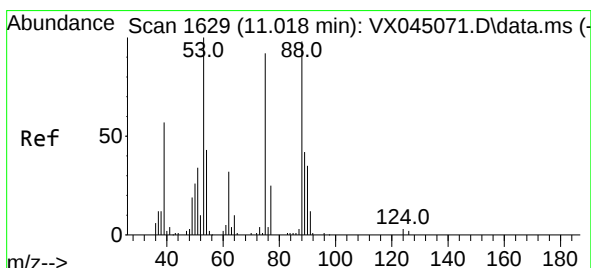
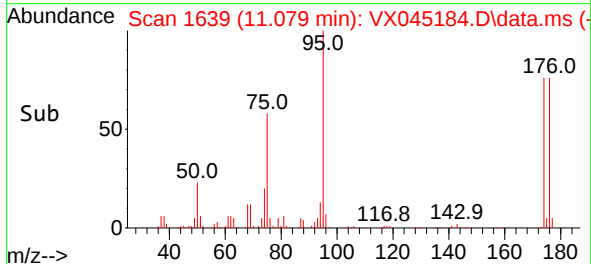
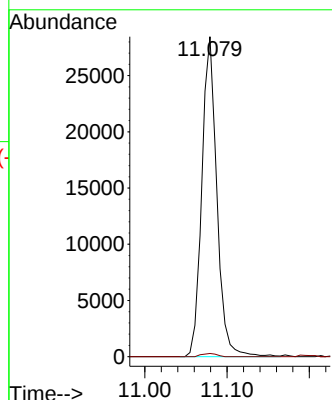
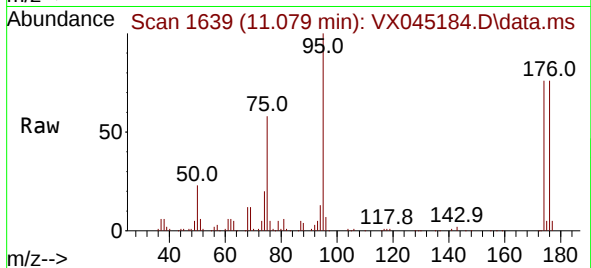




#76
1,2,3-Trichloropropane
Concen: 25.023 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

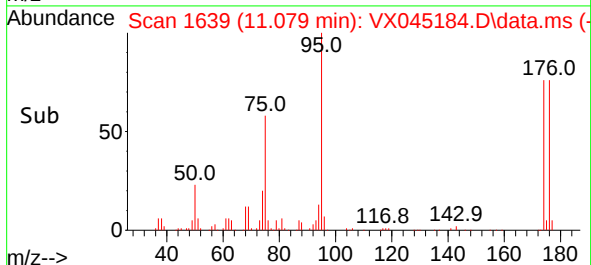
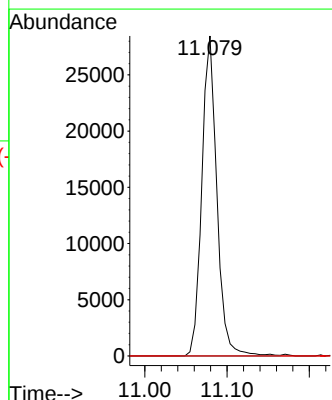
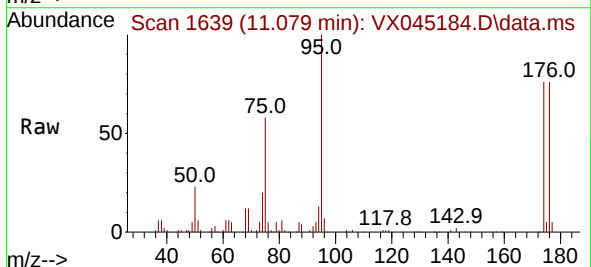
Instrument :
MSVOA_X
ClientSampleId :
VX0310MBL01

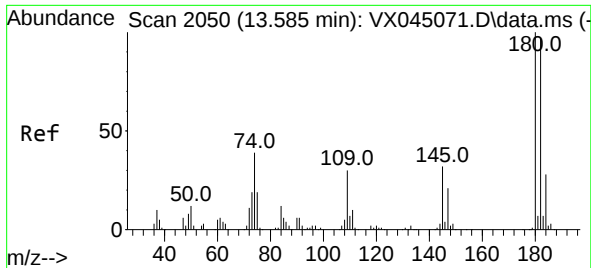
Tgt Ion: 75 Resp: 36278
Ion Ratio Lower Upper
75 100
77 1.0 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.634 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

Tgt Ion: 75 Resp: 36278
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

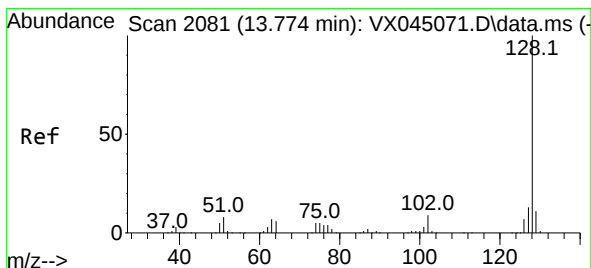
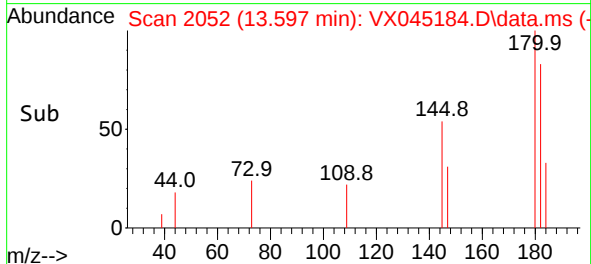
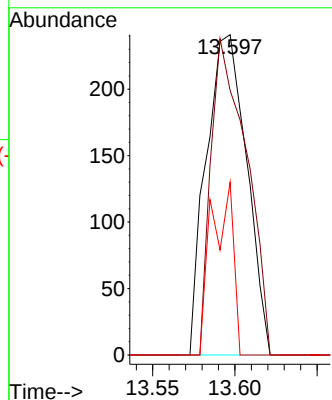
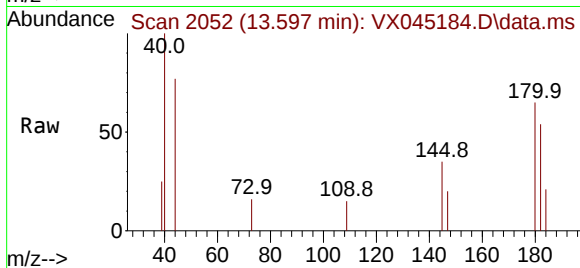




#93
1,2,4-Trichlorobenzene
Concen: 0.352 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

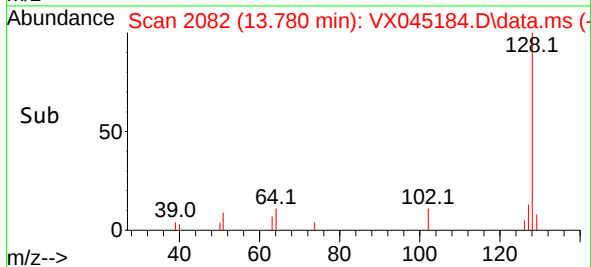
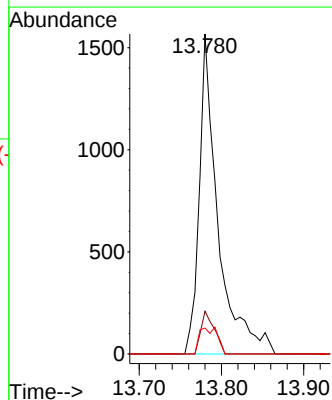
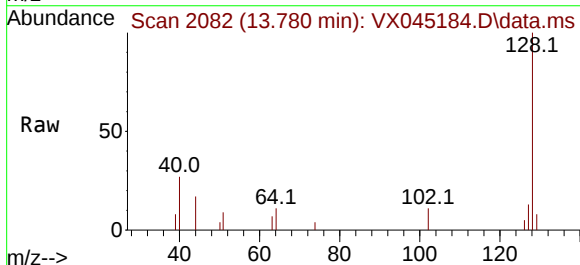
Instrument :
MSVOA_X
ClientSampleId :
VX0310MBL01

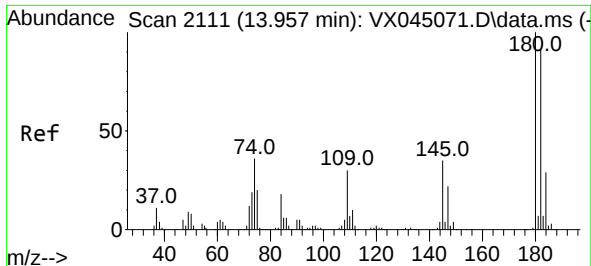
Tgt Ion:180 Resp: 412
Ion Ratio Lower Upper
180 100
182 86.9 47.3 141.9
145 28.9 16.3 48.9



#95
Naphthalene
Concen: 0.555 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045184.D
Acq: 10 Mar 2025 10:34

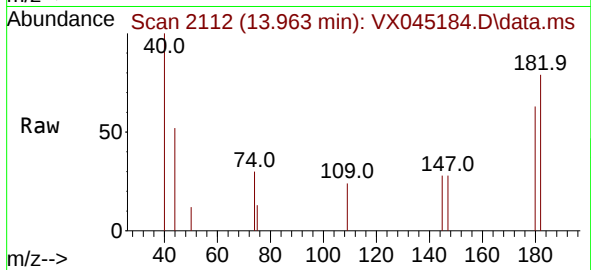
Tgt Ion:128 Resp: 2492
Ion Ratio Lower Upper
128 100
127 9.6 10.3 15.5#
129 7.8 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.359 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.006 min
 Lab File: VX045184.D
 Acq: 10 Mar 2025 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0310MBL01



Tgt Ion:180	Resp:	443
Ion	Ratio	Lower Upper
180	100	
182	128.4	47.5 142.6
145	23.7	17.0 50.9

