

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
 Data File : VX045404.D
 Acq On : 24 Mar 2025 10:55
 Operator : JC/MD
 Sample : VX0324MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0324MBL01

Quant Time: Mar 25 01:29:17 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)

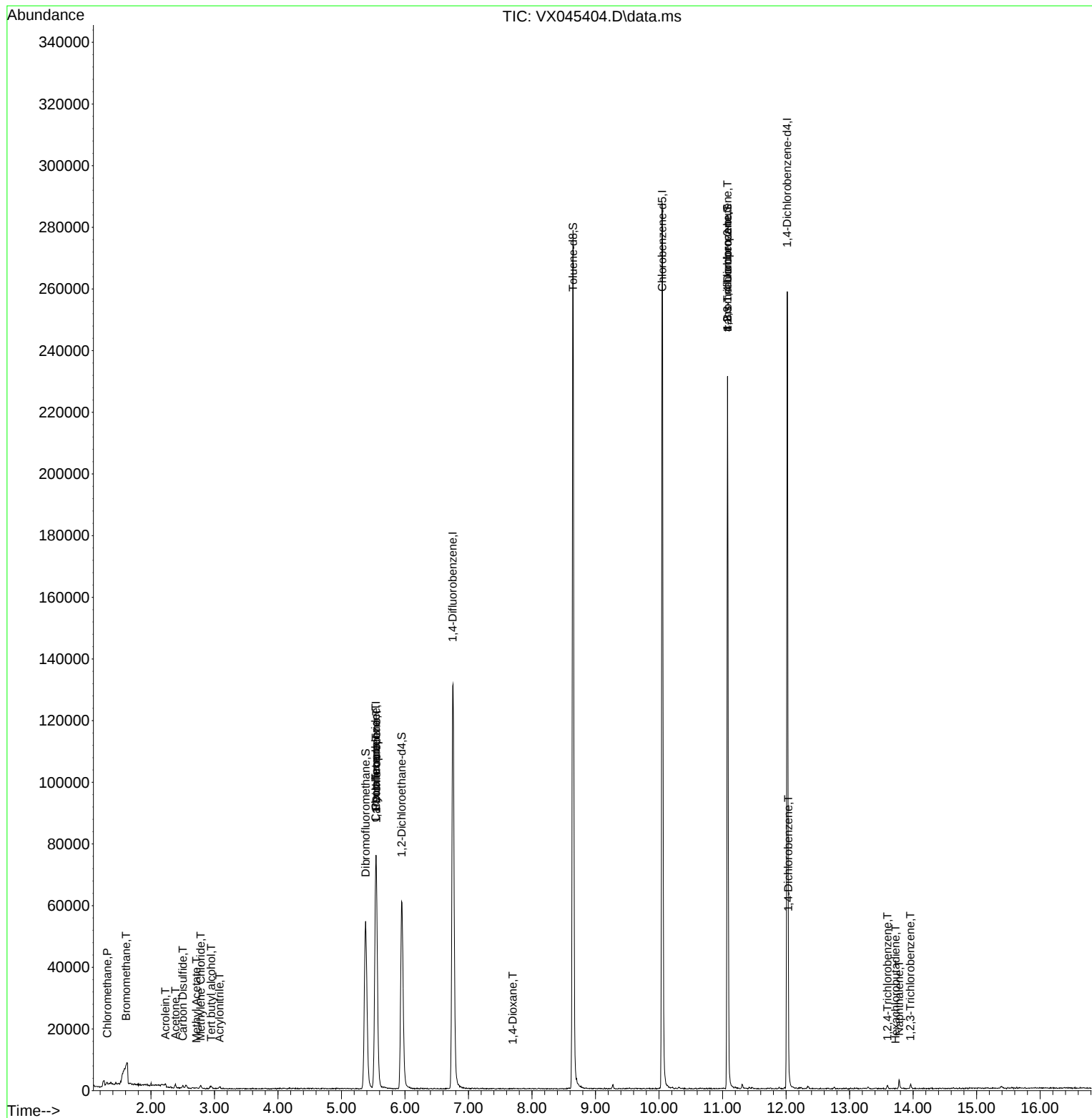
Internal Standards						
1) Pentafluorobenzene	5.544	168	67457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	132113	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	61796	57.592	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.180%
35) Dibromofluoromethane	5.379	113	47565	53.843	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.680%
50) Toluene-d8	8.647	98	163041	50.908	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.820%
62) 4-Bromofluorobenzene	11.079	95	57944	54.599	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	109.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	1239	1.192	ug/l	99
5) Bromomethane	1.605	94	128	0.316	ug/l #	3
11) Tert butyl alcohol	2.947	59	463	2.278	ug/l #	73
13) Acrolein	2.227	56	259	1.102	ug/l	96
15) Acrylonitrile	3.081	53	315	0.578	ug/l #	84
16) Acetone	2.386	43	1282	2.575	ug/l #	78
17) Carbon Disulfide	2.501	76	1031	0.467	ug/l #	77
18) Methyl Acetate	2.715	43	314	0.262	ug/l #	73
20) Methylene Chloride	2.782	84	514	0.521	ug/l #	85
31) Cyclohexane	5.544	56	1852	1.269	ug/l #	34
36) 1,1-Dichloropropene	5.550	75	6502	5.367	ug/l #	50
38) Carbon Tetrachloride	5.538	117	7534	6.125	ug/l #	14
49) 1,4-Dioxane	7.696	88	19	0.778	ug/l #	23
76) 1,2,3-Trichloropropane	11.079	75	33013	28.745	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33013	98.372	ug/l #	6
88) 1,4-Dichlorobenzene	12.036	146	381	0.232	ug/l #	73
93) 1,2,4-Trichlorobenzene	13.597	180	415	0.448	ug/l	97
94) Hexachlorobutadiene	13.725	225	91	0.240	ug/l #	19
95) Naphthalene	13.780	128	2203	0.619	ug/l	98
96) 1,2,3-Trichlorobenzene	13.957	180	481	0.492	ug/l	85

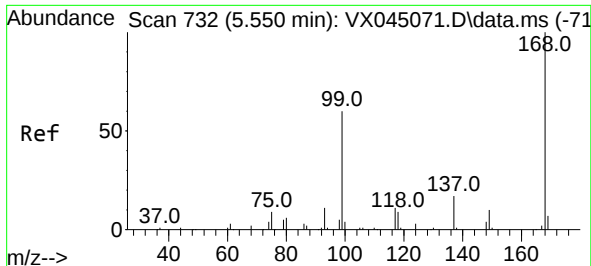
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
VX0324MBL01

Quant Time: Mar 25 01:29:17 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

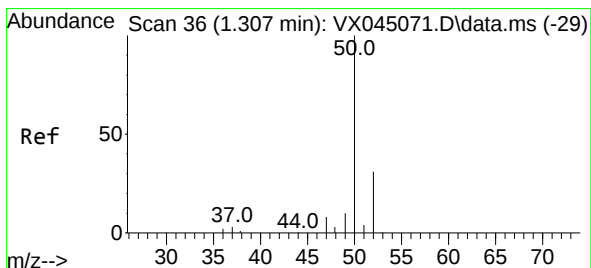
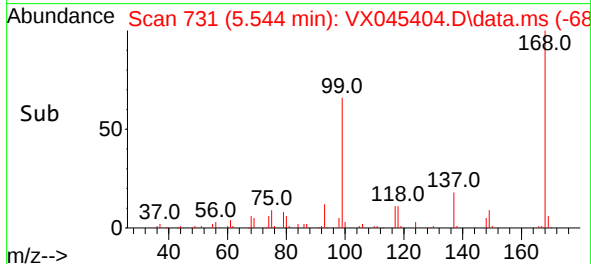
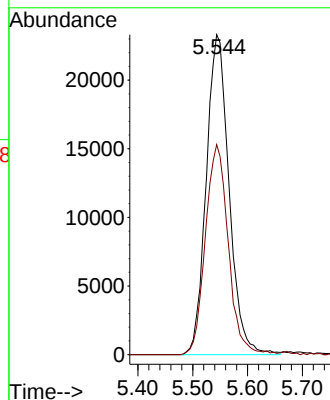
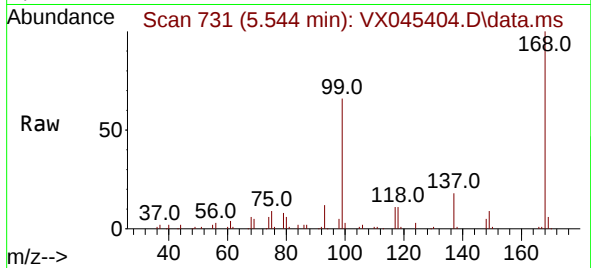




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

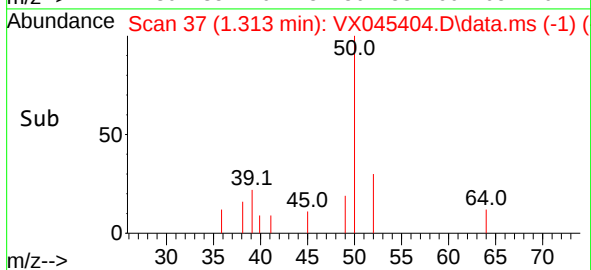
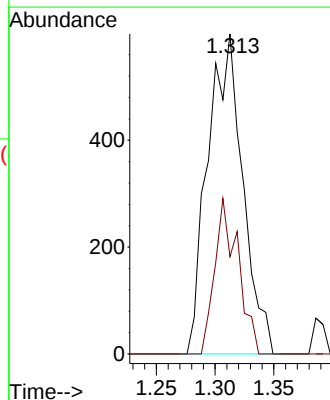
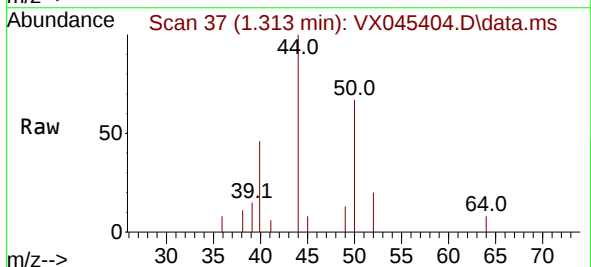
Instrument :
MSVOA_X
ClientSampleId :
VX0324MBL01

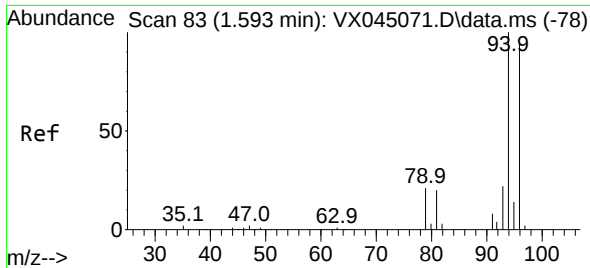
Tgt Ion:168 Resp: 67457
Ion Ratio Lower Upper
168 100
99 65.6 48.2 72.4



#3
Chloromethane
Concen: 1.192 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

Tgt Ion: 50 Resp: 1239
Ion Ratio Lower Upper
50 100
52 30.4 25.0 37.4

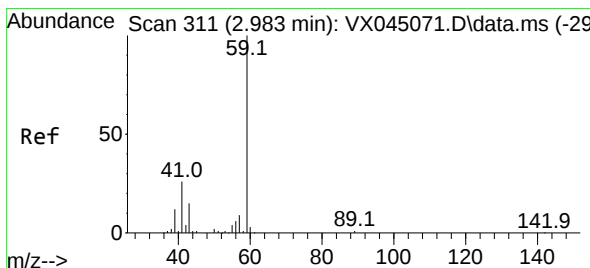
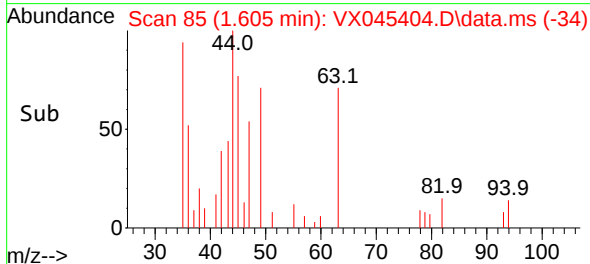
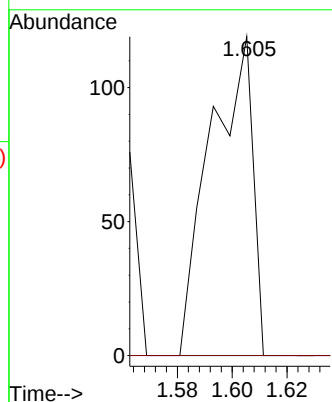
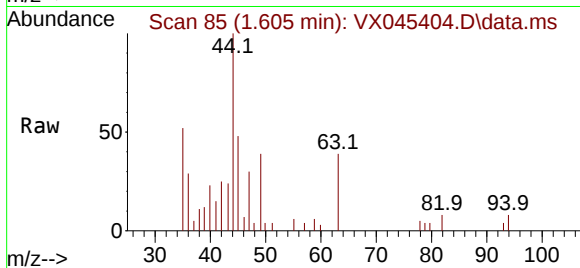




#5
Bromomethane
Concen: 0.316 ug/l
RT: 1.605 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

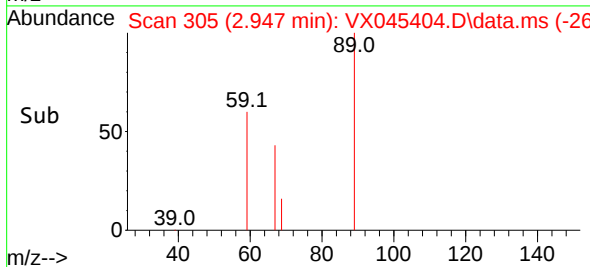
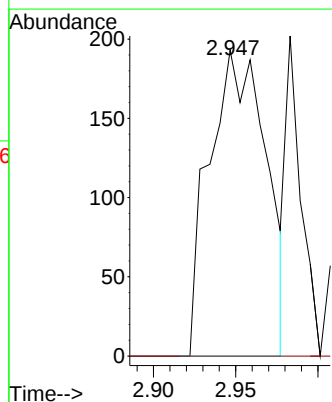
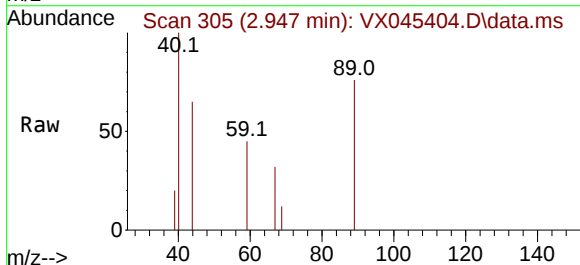
Instrument :
MSVOA_X
ClientSampleId :
VX0324MBL01

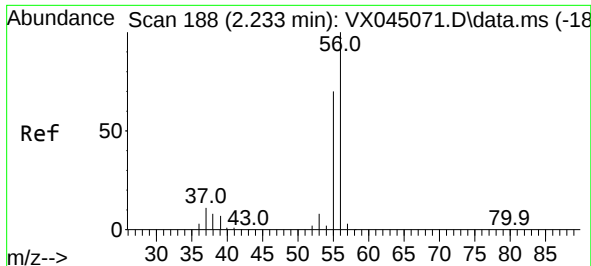
Tgt Ion: 94 Resp: 128
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#



#11
Tert butyl alcohol
Concen: 2.278 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

Tgt Ion: 59 Resp: 463
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

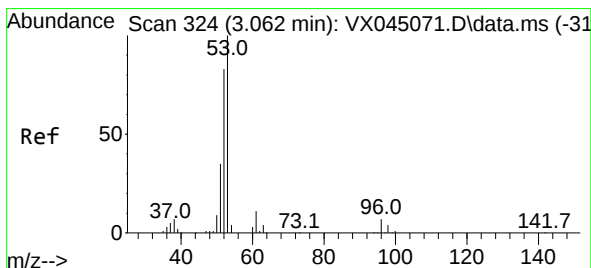
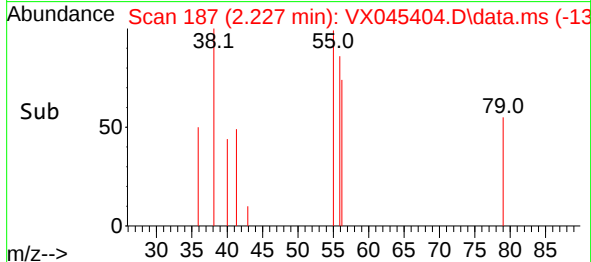
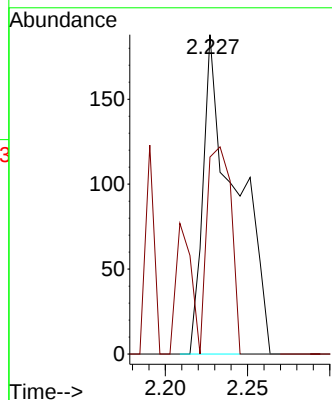
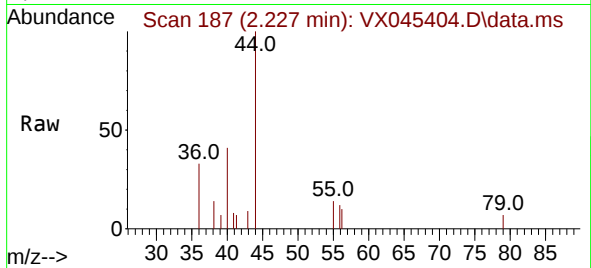




#13
Acrolein
Concen: 1.102 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

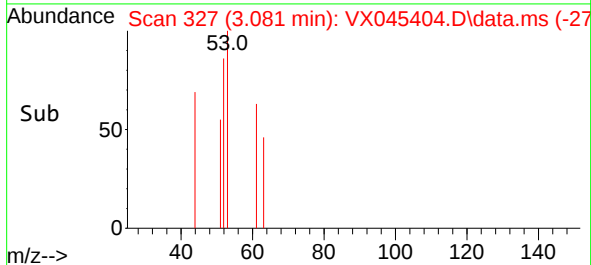
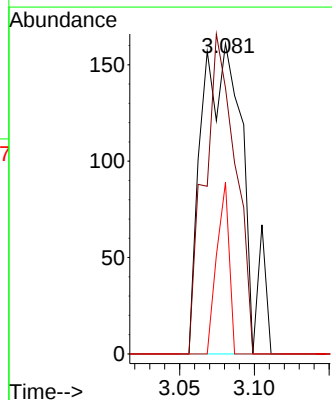
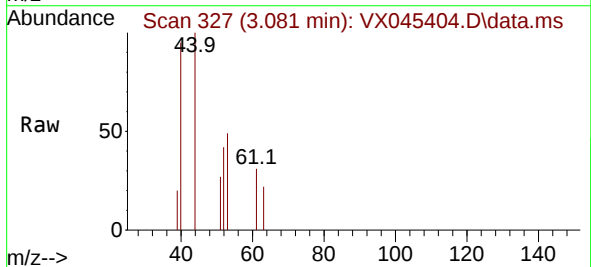
Instrument :
MSVOA_X
ClientSampleId :
VX0324MBL01

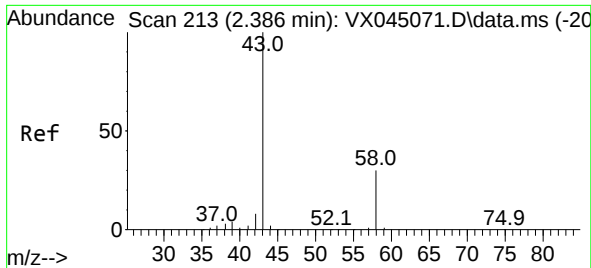
Tgt Ion: 56 Resp: 259
Ion Ratio Lower Upper
56 100
55 67.2 56.2 84.4



#15
Acrylonitrile
Concen: 0.578 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.018 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

Tgt Ion: 53 Resp: 315
Ion Ratio Lower Upper
53 100
52 75.9 66.2 99.2
51 16.2 29.0 43.4#

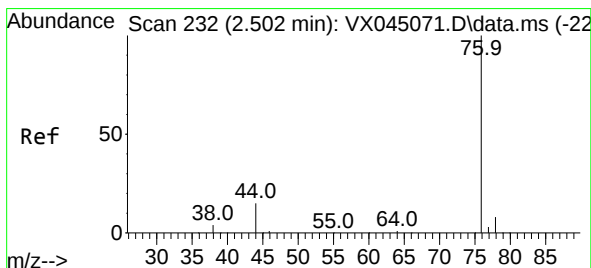
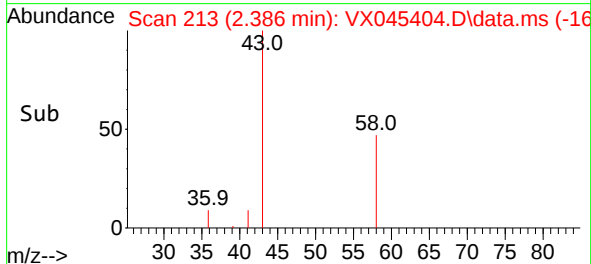
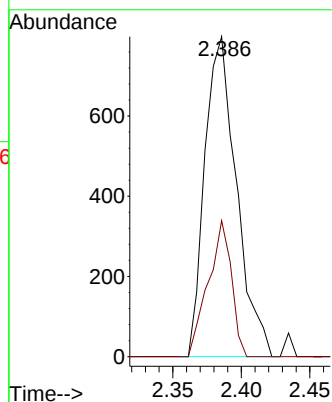
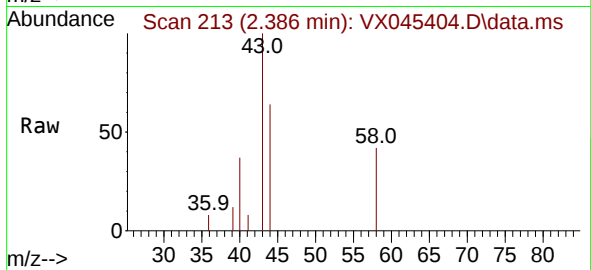




#16
Acetone
Concen: 2.575 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

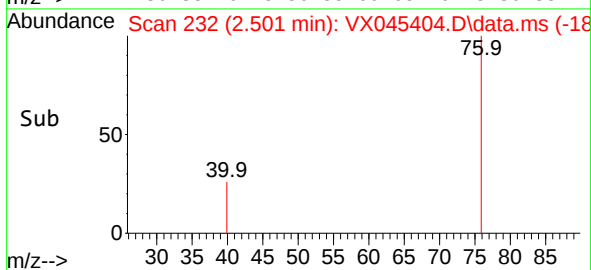
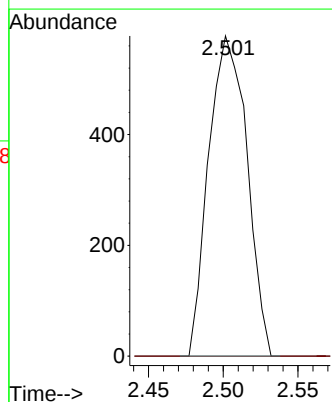
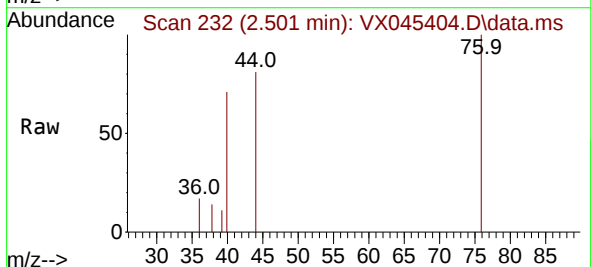
Instrument : MSVOA_X
ClientSampleId : VX0324MBL01

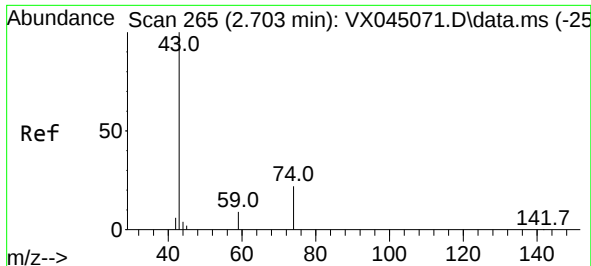
Tgt Ion: 43 Resp: 1282
Ion Ratio Lower Upper
43 100
58 42.5 24.2 36.4#



#17
Carbon Disulfide
Concen: 0.467 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

Tgt Ion: 76 Resp: 1031
Ion Ratio Lower Upper
76 100
78 0.0 6.6 9.8#





#18

Methyl Acetate

Concen: 0.262 ug/l

RT: 2.715 min Scan# 2

Delta R.T. 0.012 min

Lab File: VX045404.D

Acq: 24 Mar 2025 10:55

Instrument :

MSVOA_X

ClientSampleId :

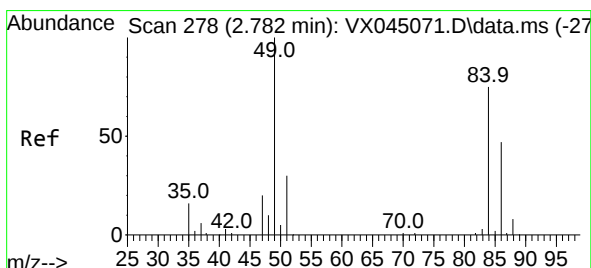
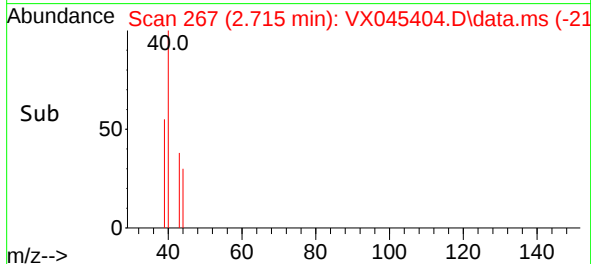
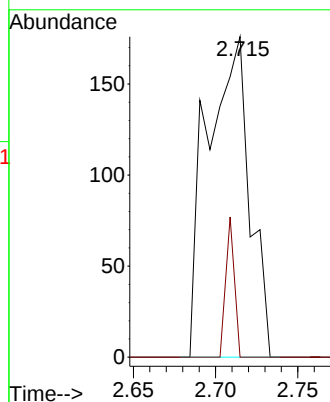
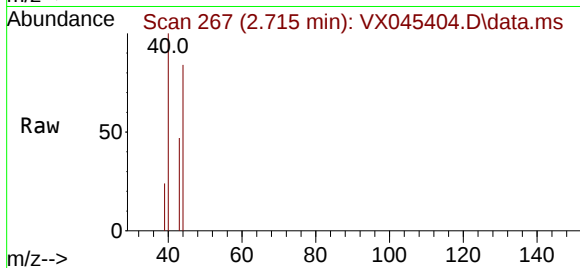
VX0324MBL01

Tgt Ion: 43 Resp: 314

Ion Ratio Lower Upper

43 100

74 8.9 17.4 26.2#



#20

Methylene Chloride

Concen: 0.521 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045404.D

Acq: 24 Mar 2025 10:55

Tgt Ion: 84 Resp: 514

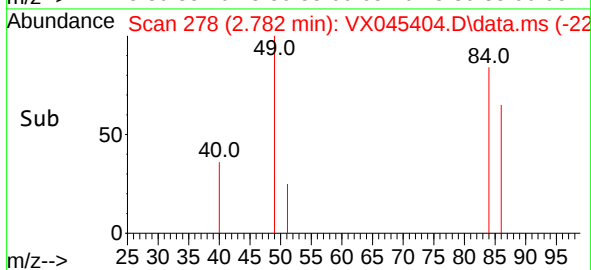
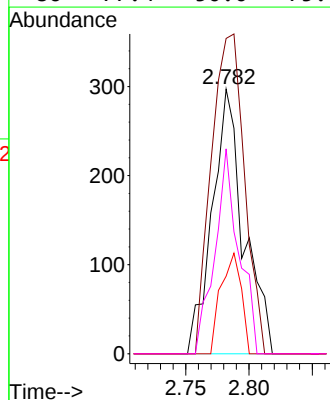
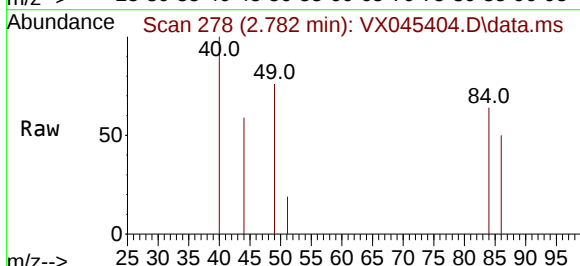
Ion Ratio Lower Upper

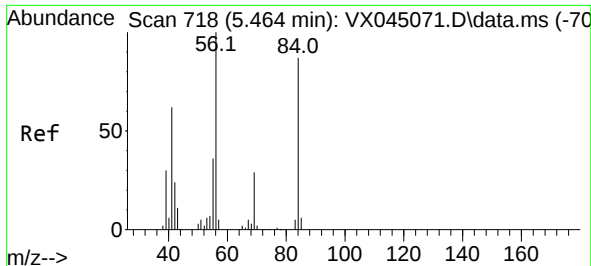
84 100

49 119.2 106.5 159.7

51 29.3 32.1 48.1#

86 77.4 50.0 75.0#

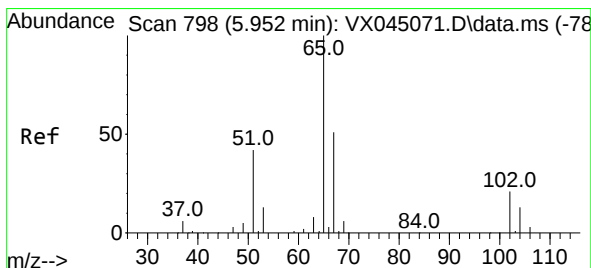
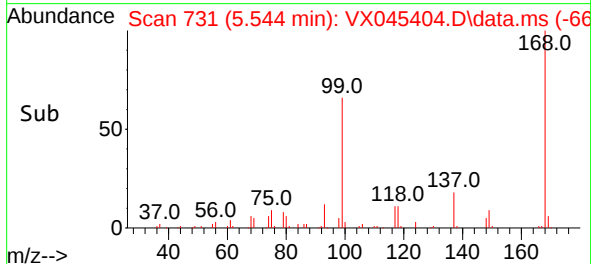
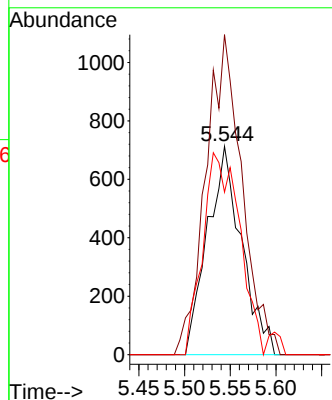
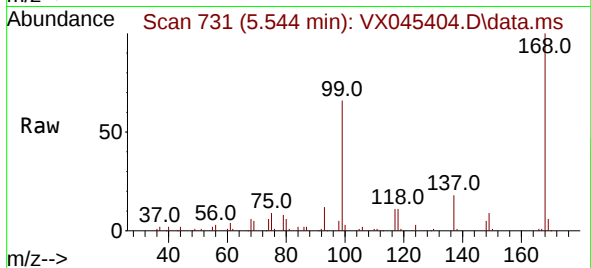




#31
Cyclohexane
Concen: 1.269 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

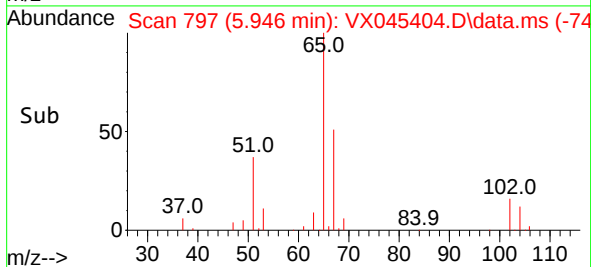
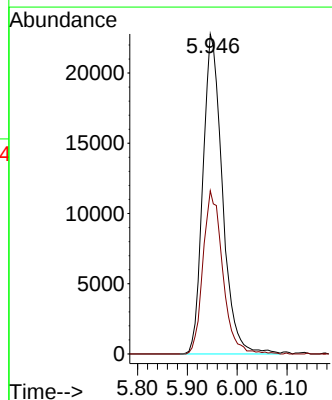
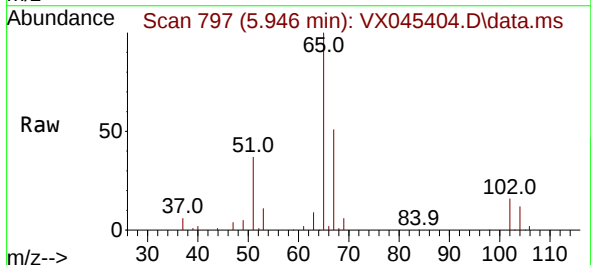
Instrument :
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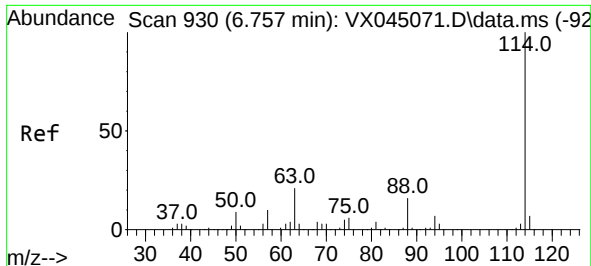
Tgt Ion: 56 Resp: 1852
Ion Ratio Lower Upper
56 100
69 153.6 23.4 35.2#
84 78.0 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 57.592 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

Tgt Ion: 65 Resp: 61796
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.2

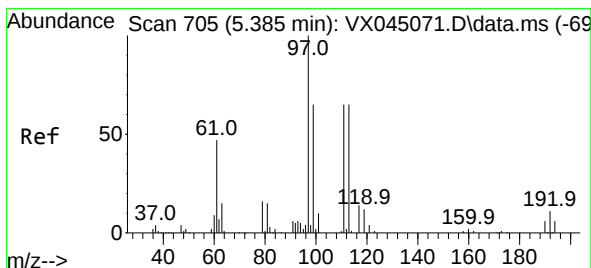
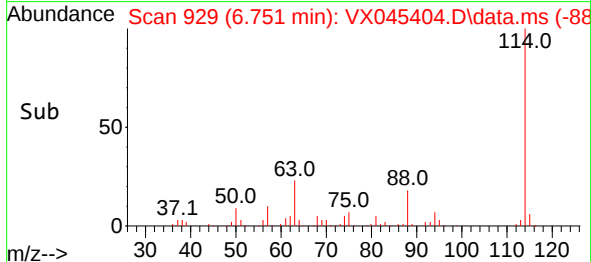
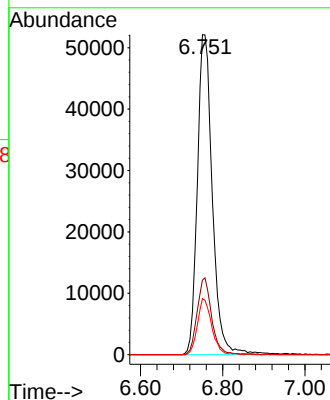
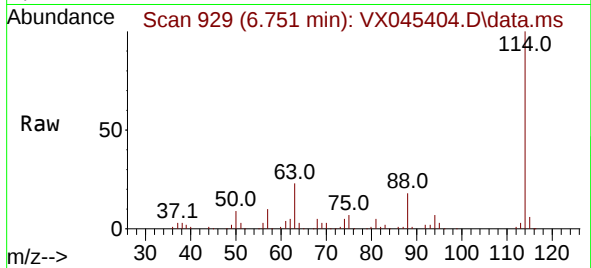




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

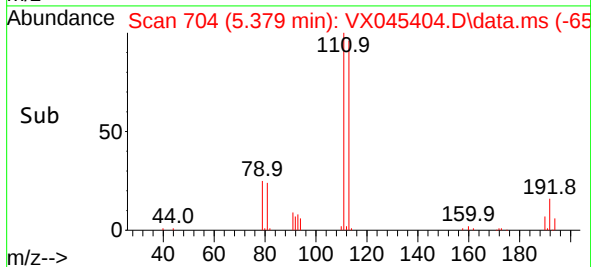
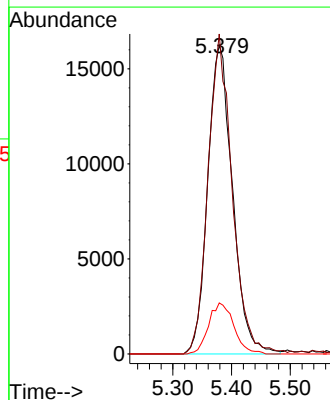
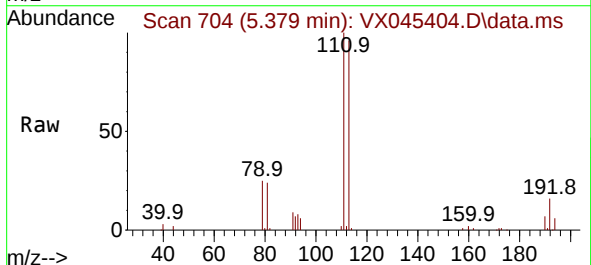
Instrument :
MSVOA_X
ClientSampleId :
VX0324MBL01

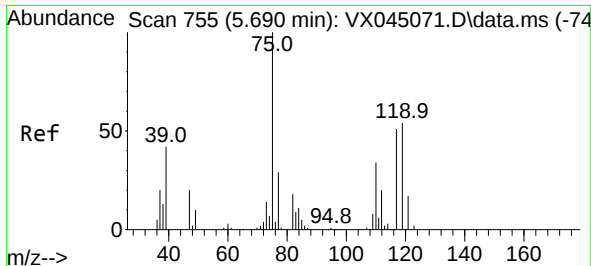
Tgt Ion:114 Resp: 132113
Ion Ratio Lower Upper
114 100
63 23.3 0.0 41.8
88 17.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 53.843 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

Tgt Ion:113 Resp: 47565
Ion Ratio Lower Upper
113 100
111 101.1 81.8 122.6
192 16.9 14.3 21.5

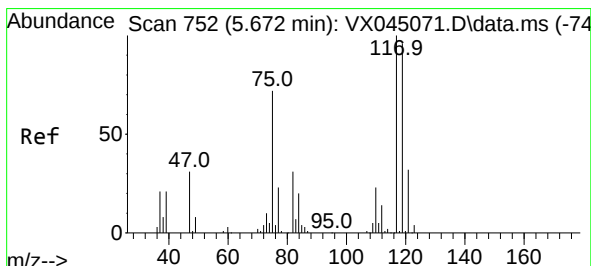
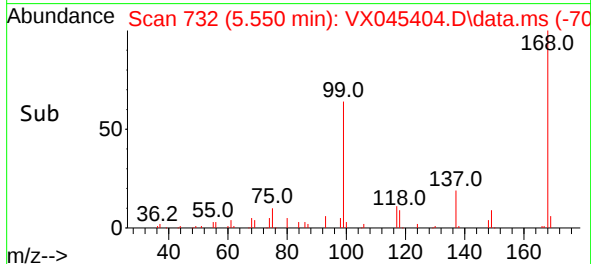
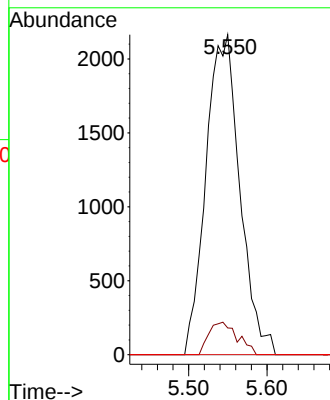
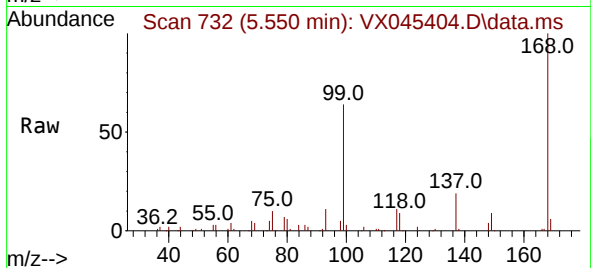




#36
1,1-Dichloropropene
Concen: 5.367 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

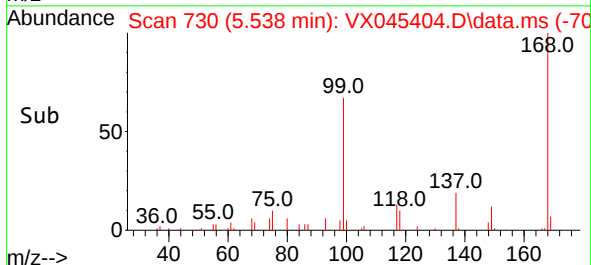
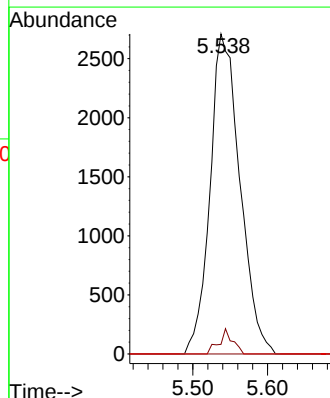
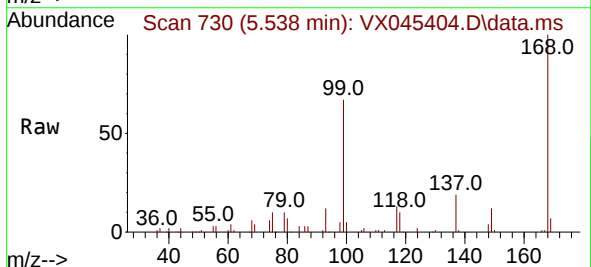
Instrument :
MSVOA_X
ClientSampleId :
VX0324MBL01

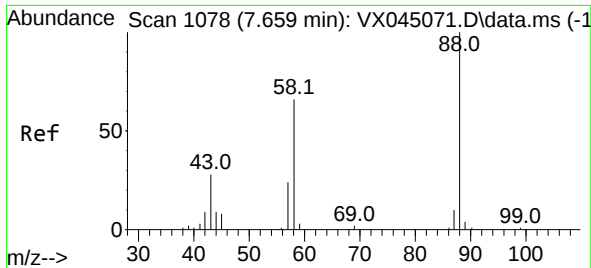
Tgt Ion: 75 Resp: 6502
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.125 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

Tgt Ion: 117 Resp: 7534
Ion Ratio Lower Upper
117 100
119 3.0 76.7 115.1#
121 0.0 25.5 38.3#

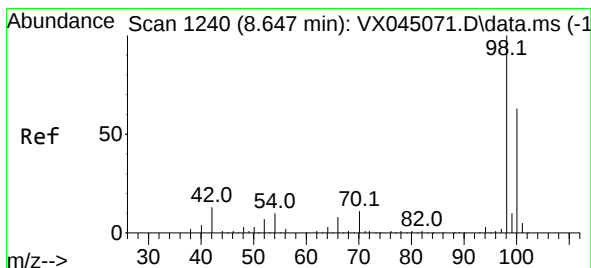
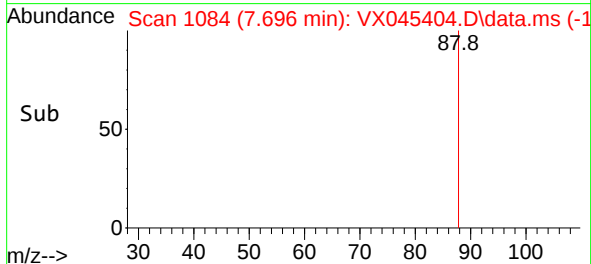
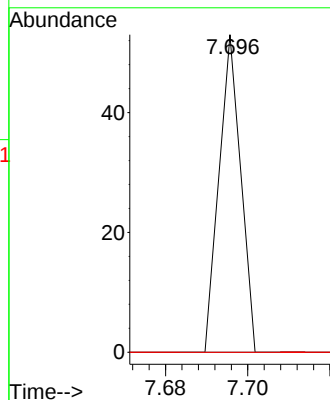
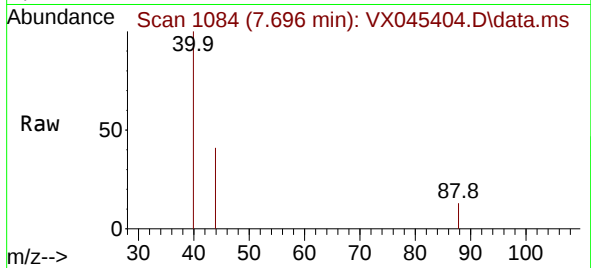




#49
1,4-Dioxane
Concen: 0.778 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.036 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

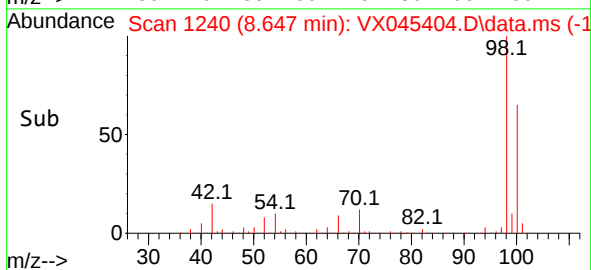
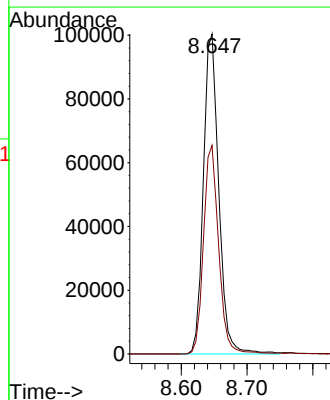
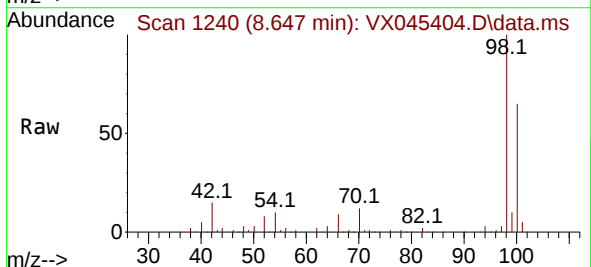
Instrument :
MSVOA_X
ClientSampleId :
VX0324MBL01

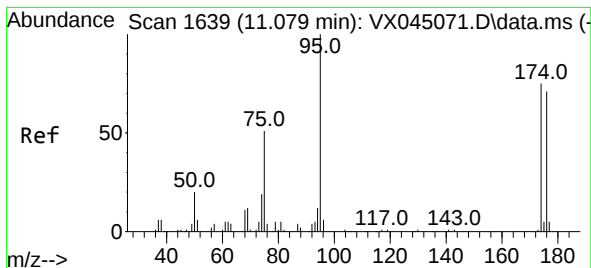
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 28.7 43.1#
58 0.0 55.8 83.8#



#50
Toluene-d8
Concen: 50.908 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

Tgt Ion: 98 Resp: 163041
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0

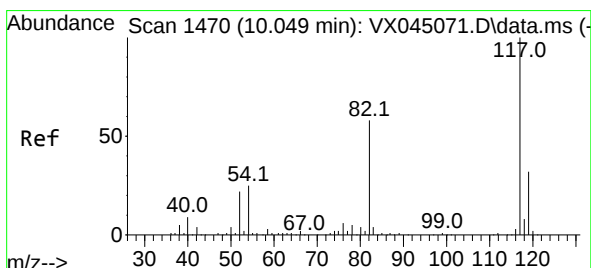
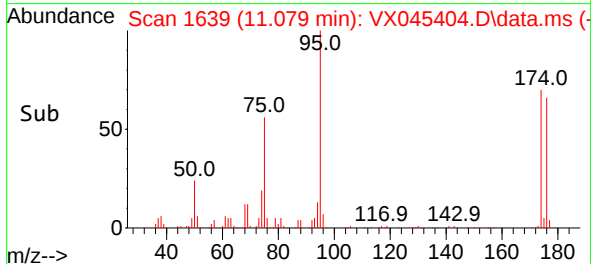
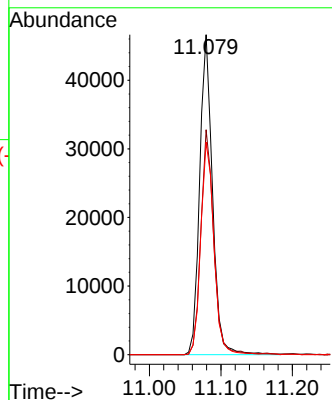
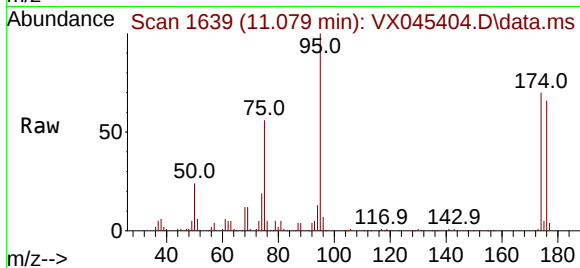




#62
4-Bromofluorobenzene
Concen: 54.599 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

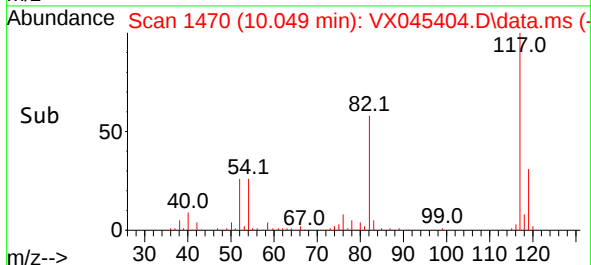
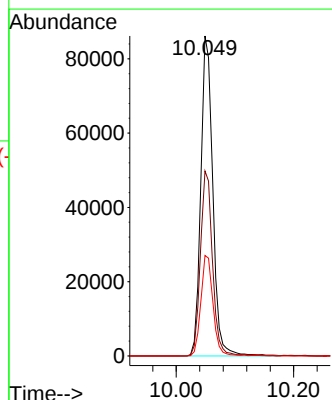
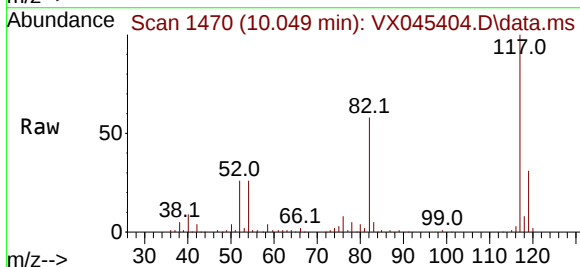
Instrument :
MSVOA_X
ClientSampleId :
VX0324MBL01

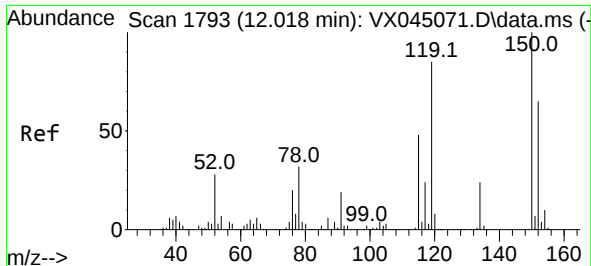
Tgt Ion: 95 Resp: 57944
Ion Ratio Lower Upper
95 100
174 70.4 0.0 148.2
176 68.5 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

Tgt Ion: 117 Resp: 122240
Ion Ratio Lower Upper
117 100
82 57.8 46.3 69.5
119 31.4 25.7 38.5

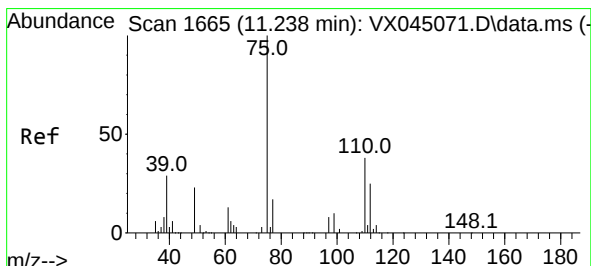
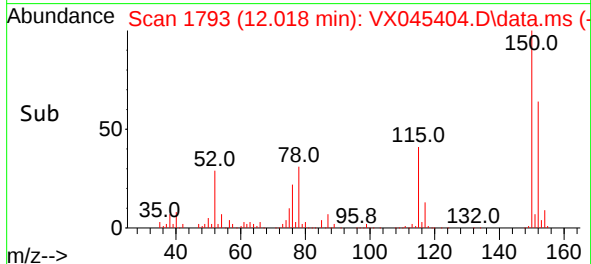
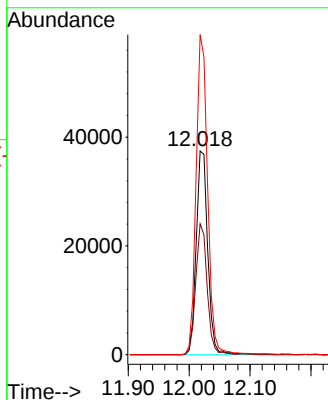
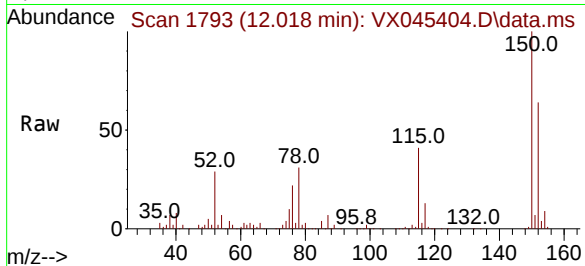




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX045404.D
 Acq: 24 Mar 2025 10:55

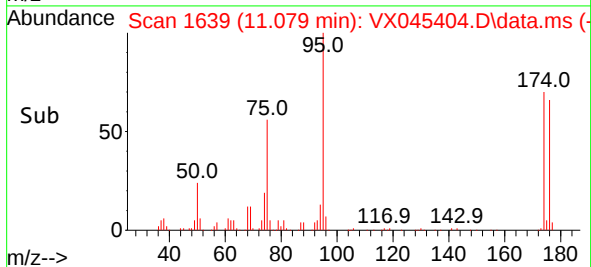
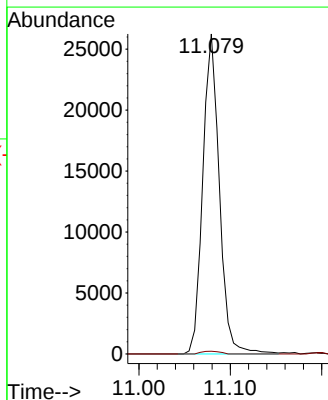
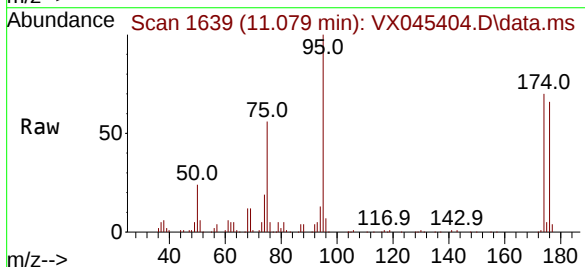
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0324MBL01

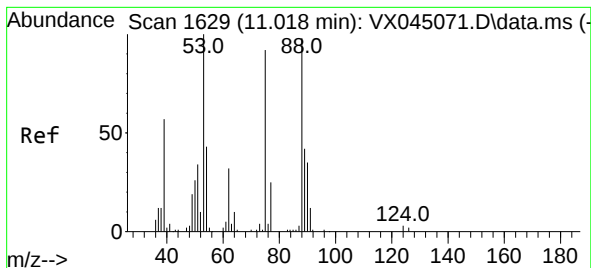
Tgt Ion:152 Resp: 49343
 Ion Ratio Lower Upper
 152 100
 115 63.1 44.2 132.6
 150 156.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.745 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045404.D
 Acq: 24 Mar 2025 10:55

Tgt Ion: 75 Resp: 33013
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.7 62.1#

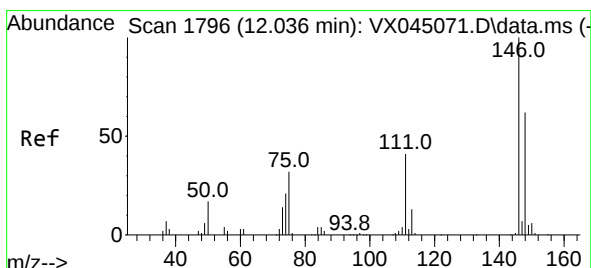
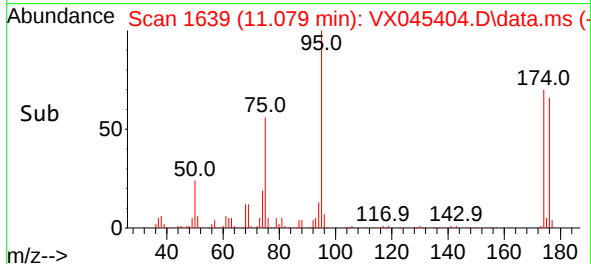
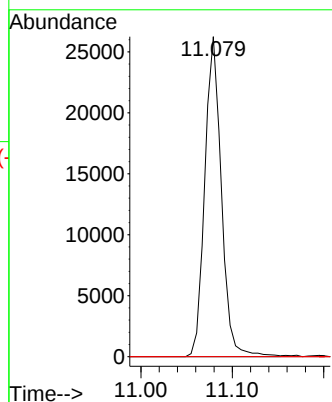
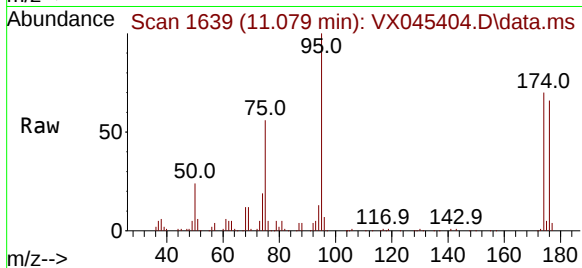




#81
trans-1,4-Dichloro-2-butene
Concen: 98.372 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

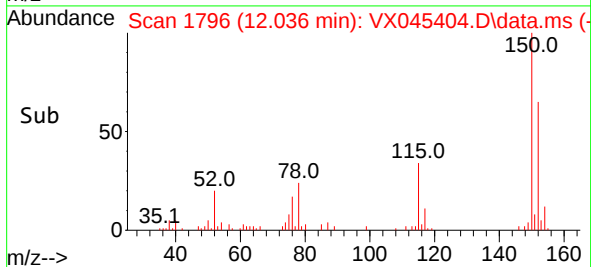
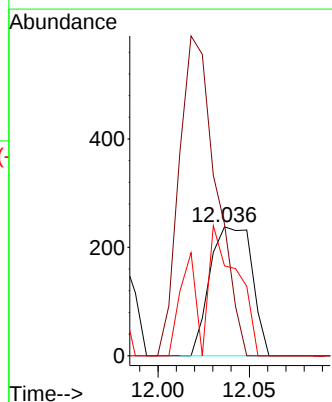
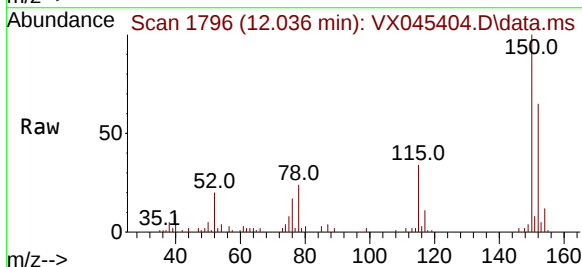
Instrument :
MSVOA_X
ClientSampleId :
VX0324MBL01

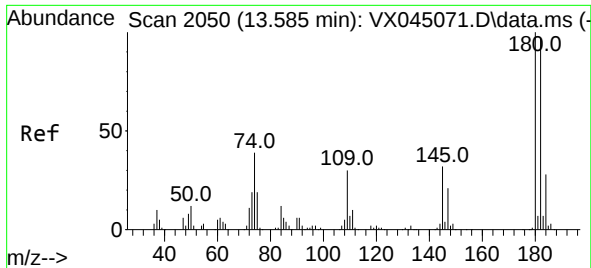
Tgt Ion: 75 Resp: 33013
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#



#88
1,4-Dichlorobenzene
Concen: 0.232 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045404.D
Acq: 24 Mar 2025 10:55

Tgt Ion:146 Resp: 381
Ion Ratio Lower Upper
146 100
111 0.0 20.2 60.5#
148 66.7 31.9 95.9

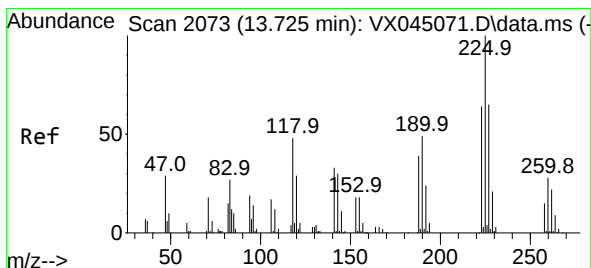
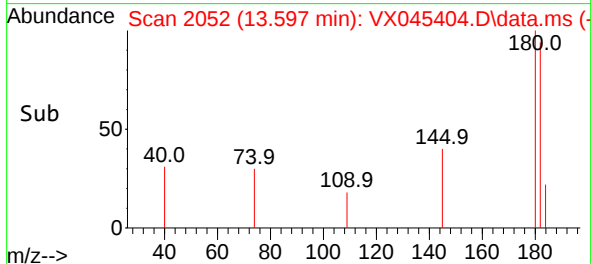
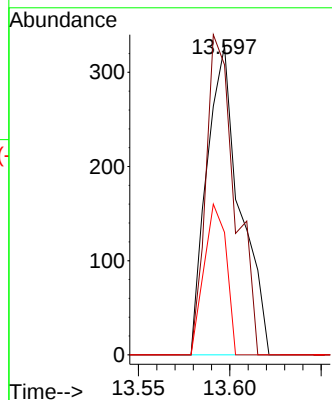
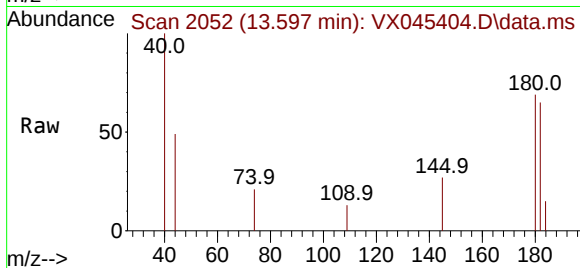




#93
 1,2,4-Trichlorobenzene
 Concen: 0.448 ug/l
 RT: 13.597 min Scan# 2052
 Delta R.T. 0.012 min
 Lab File: VX045404.D
 Acq: 24 Mar 2025 10:55

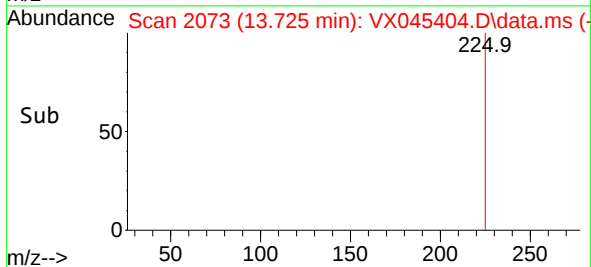
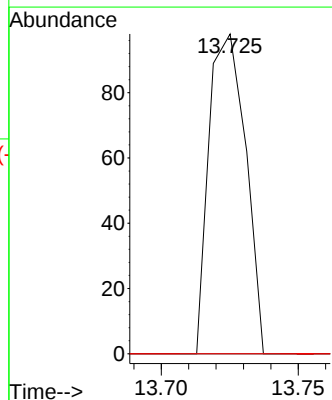
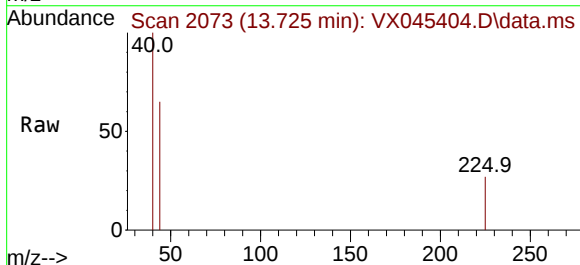
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0324MBL01

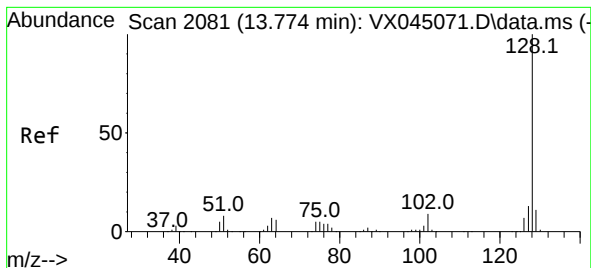
Tgt Ion:180 Resp: 415
 Ion Ratio Lower Upper
 180 100
 182 91.1 47.3 141.9
 145 32.8 16.3 48.9



#94
 Hexachlorobutadiene
 Concen: 0.240 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. -0.000 min
 Lab File: VX045404.D
 Acq: 24 Mar 2025 10:55

Tgt Ion:225 Resp: 91
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.9 95.7#
 227 0.0 31.4 94.0#





#95

Naphthalene

Concen: 0.619 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX045404.D

Acq: 24 Mar 2025 10:55

Instrument :

MSVOA_X

ClientSampleId :

VX0324MBL01

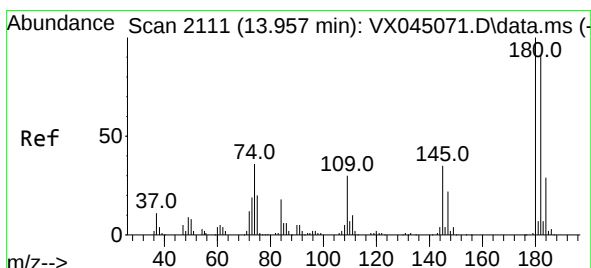
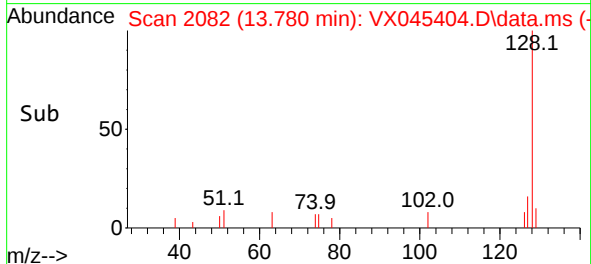
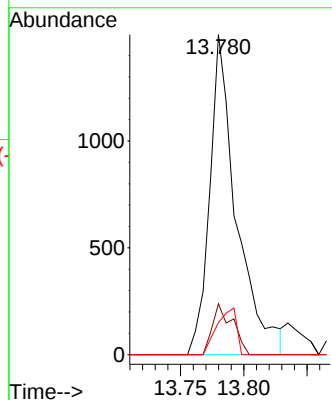
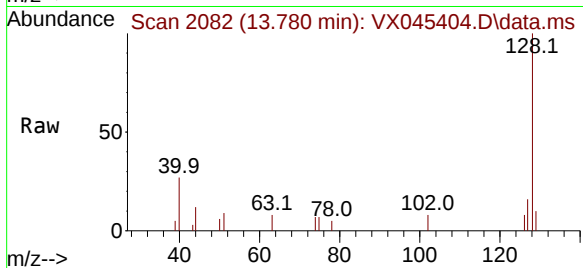
Tgt Ion:128 Resp: 2203

Ion Ratio Lower Upper

128 100

127 11.9 10.3 15.5

129 10.6 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.492 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.000 min

Lab File: VX045404.D

Acq: 24 Mar 2025 10:55

Tgt Ion:180 Resp: 481

Ion Ratio Lower Upper

180 100

182 112.5 47.5 142.6

145 28.9 17.0 50.9

