

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044712.D
 Acq On : 27 Jan 2025 10:38
 Operator : JC/MD
 Sample : VX0127MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127MBL01

Quant Time: Jan 28 04:07:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

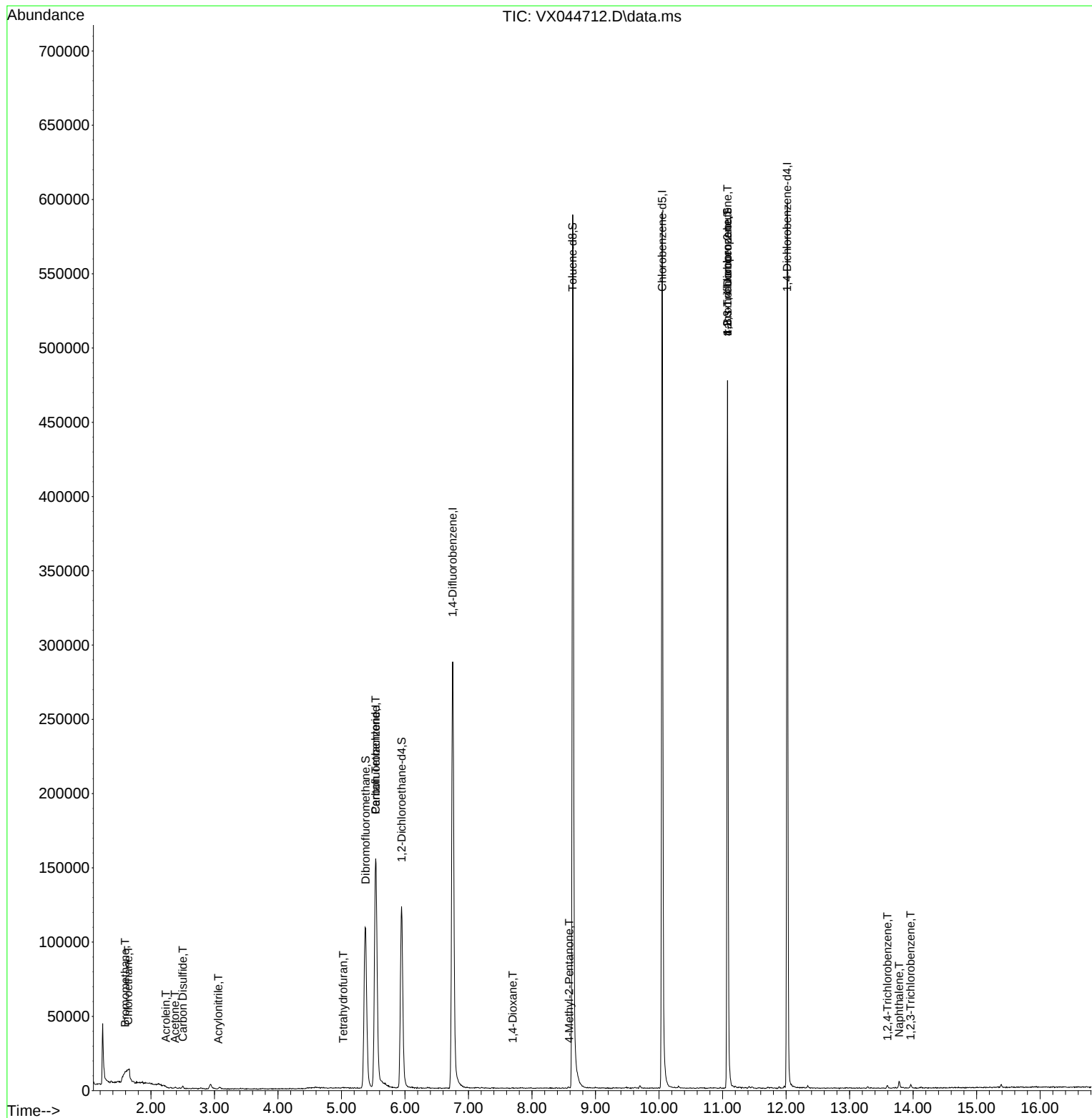
Internal Standards						
1) Pentafluorobenzene	5.538	168	156935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	314560	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	278587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	122776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	113332	47.843	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.680%		
35) Dibromofluoromethane	5.379	113	100912	50.498	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.000%		
50) Toluene-d8	8.641	98	376419	54.022	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	108.040%		
62) 4-Bromofluorobenzene	11.079	95	139028	53.523	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	107.040%		
Target Compounds					Qvalue	
5) Bromomethane	1.593	94	163	0.303	ug/l	87
6) Chloroethane	1.642	64	117	0.283	ug/l #	84
13) Acrolein	2.233	56	654	2.632	ug/l #	65
15) Acrylonitrile	3.062	53	433	0.418	ug/l #	17
16) Acetone	2.380	43	925	0.987	ug/l #	78
17) Carbon Disulfide	2.502	76	1883	0.376	ug/l	97
29) Tetrahydrofuran	5.026	42	401	0.446	ug/l #	60
38) Carbon Tetrachloride	5.538	117	15713	5.022	ug/l #	18
49) 1,4-Dioxane	7.696	88	50	0.947	ug/l #	1
51) 4-Methyl-2-Pentanone	8.586	43	646	0.215	ug/l #	74
76) 1,2,3-Trichloropropane	11.079	75	68757	23.076	ug/l #	32
81) trans-1,4-Dichloro-2-b...	11.079	75	68757	52.771	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.597	180	694	0.278	ug/l	98
95) Naphthalene	13.780	128	4385	0.455	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	909	0.351	ug/l	96

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

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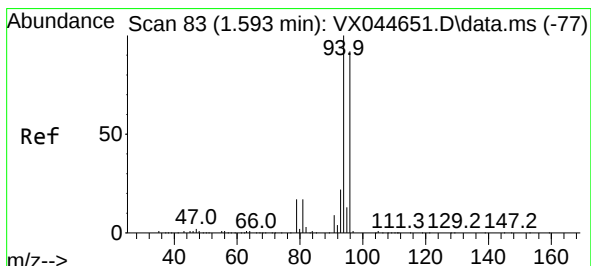
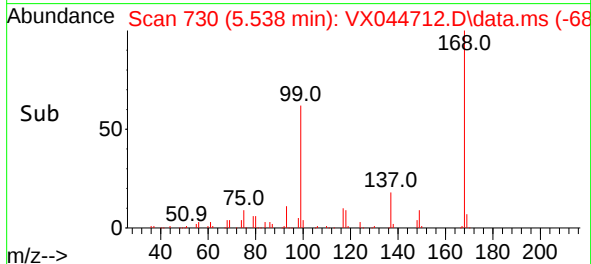
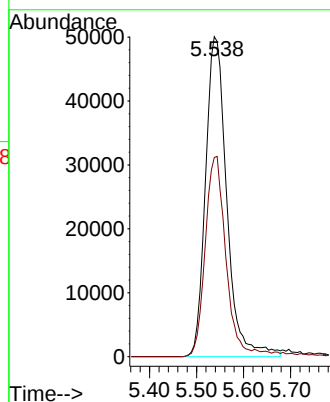
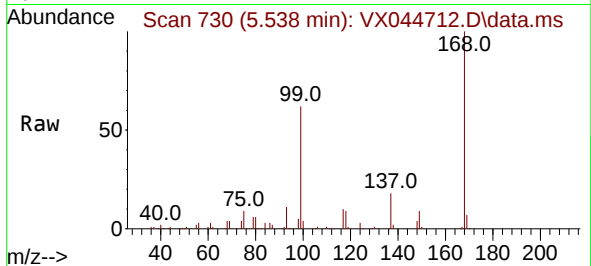




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044712.D
Acq: 27 Jan 2025 10:38

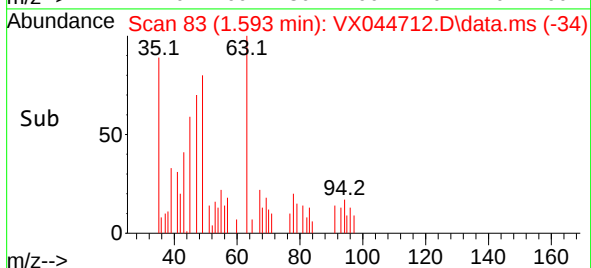
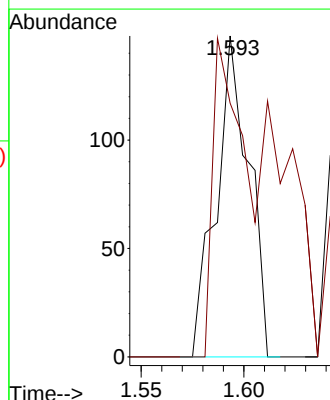
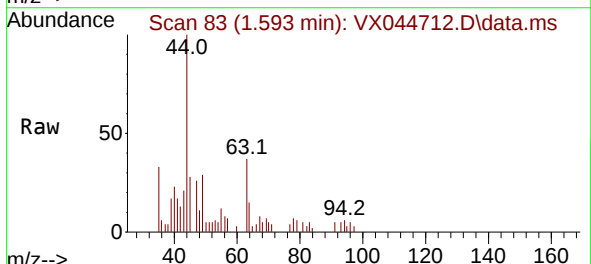
Instrument :
MSVOA_X
ClientSampleId :
VX0127MBL01

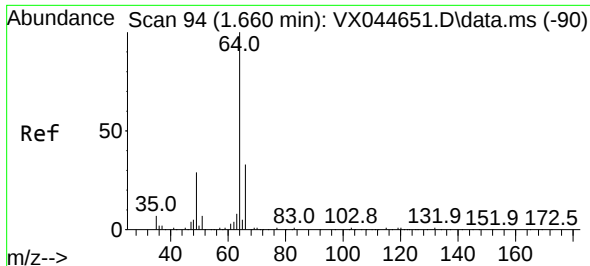
Tgt Ion:168 Resp: 156935
Ion Ratio Lower Upper
168 100
99 62.3 51.1 76.7



#5
Bromomethane
Concen: 0.303 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044712.D
Acq: 27 Jan 2025 10:38

Tgt Ion: 94 Resp: 163
Ion Ratio Lower Upper
94 100
96 79.1 72.8 109.2

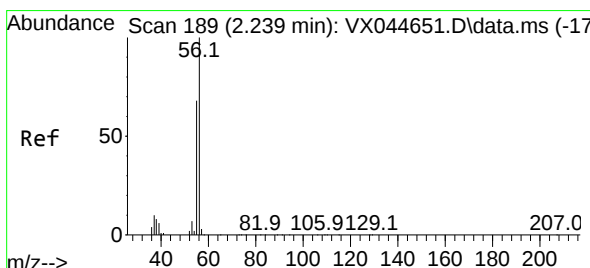
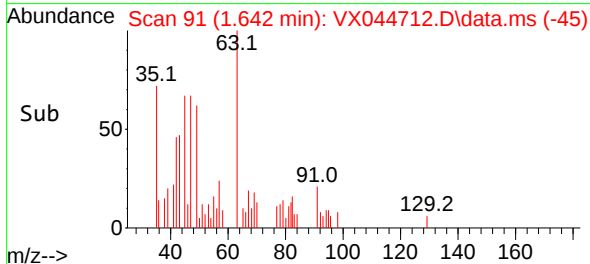
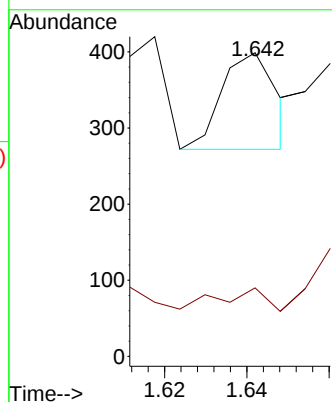
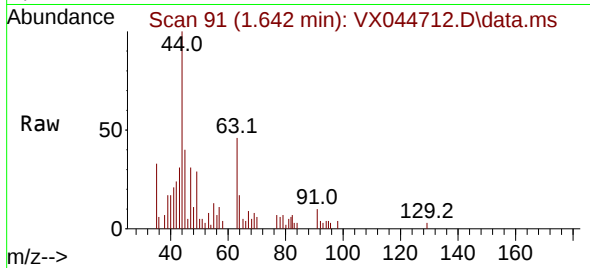




#6
Chloroethane
Concen: 0.283 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.018 min
Lab File: VX044712.D
Acq: 27 Jan 2025 10:38

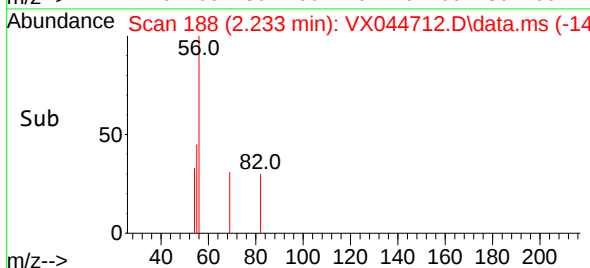
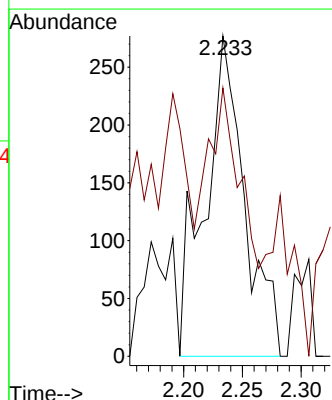
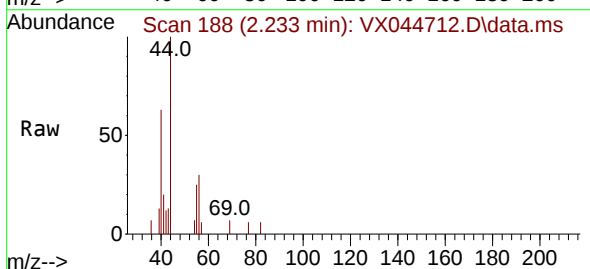
Instrument :
MSVOA_X
ClientSampleId :
VX0127MBL01

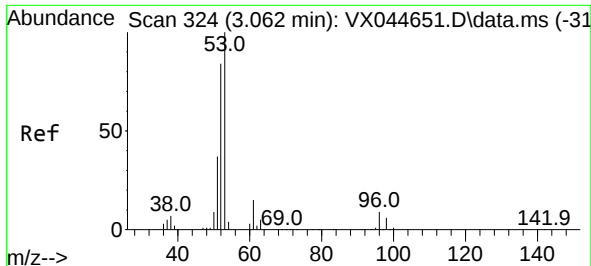
Tgt Ion: 64 Resp: 117
Ion Ratio Lower Upper
64 100
66 24.4 26.6 39.8#



#13
Acrolein
Concen: 2.632 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX044712.D
Acq: 27 Jan 2025 10:38

Tgt Ion: 56 Resp: 654
Ion Ratio Lower Upper
56 100
55 40.7 55.1 82.7#

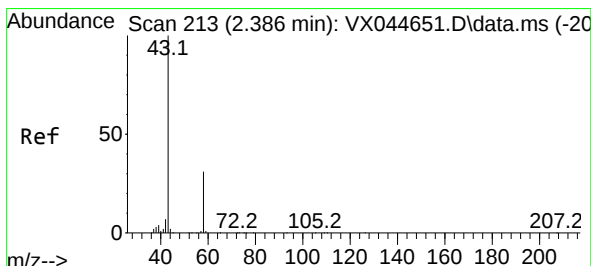
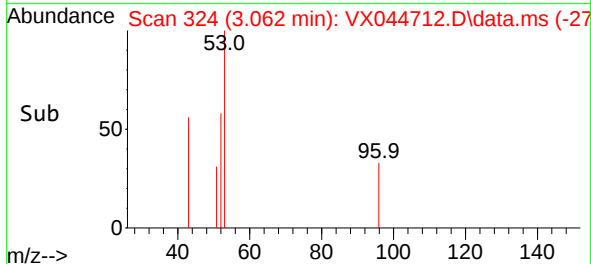
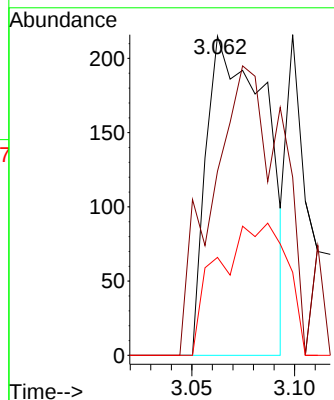
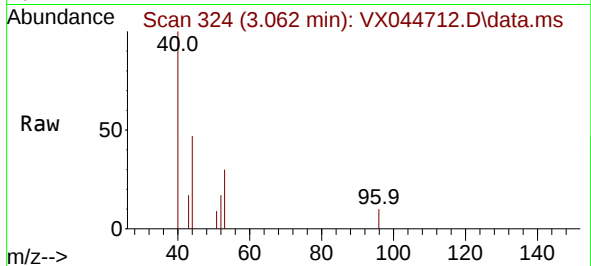




#15
Acrylonitrile
Concen: 0.418 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044712.D
Acq: 27 Jan 2025 10:38

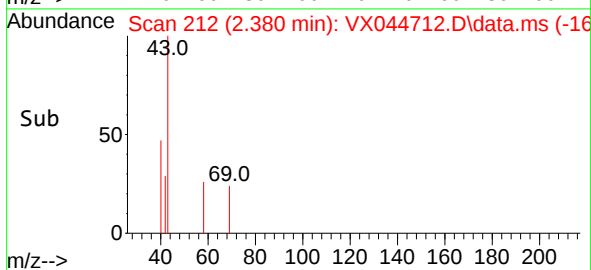
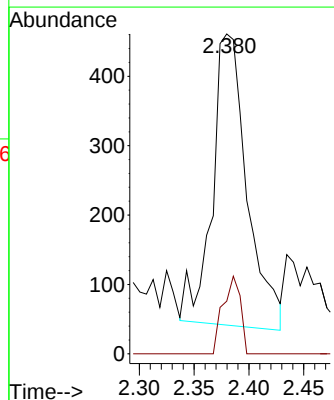
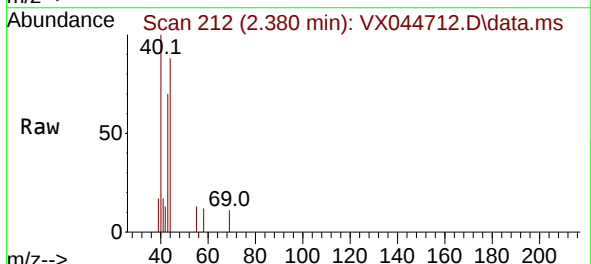
Instrument :
MSVOA_X
ClientSampleId :
VX0127MBL01

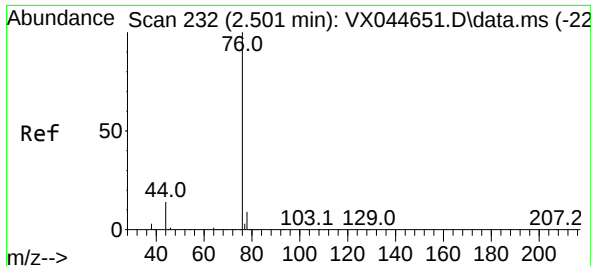
Tgt Ion: 53 Resp: 433
Ion Ratio Lower Upper
53 100
52 0.0 66.0 99.0#
51 0.0 28.9 43.3#



#16
Acetone
Concen: 0.987 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044712.D
Acq: 27 Jan 2025 10:38

Tgt Ion: 43 Resp: 925
Ion Ratio Lower Upper
43 100
58 18.6 24.6 37.0#

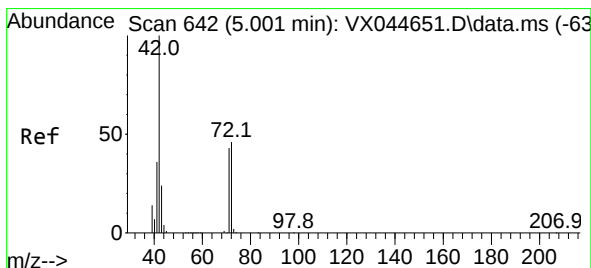
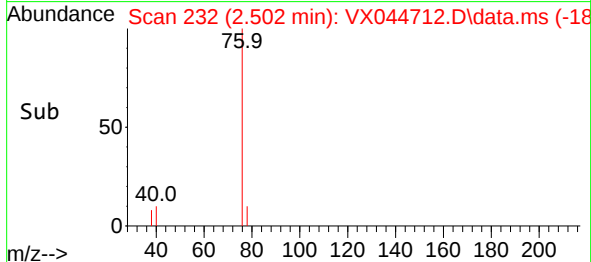
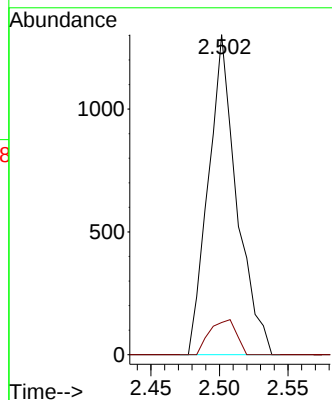
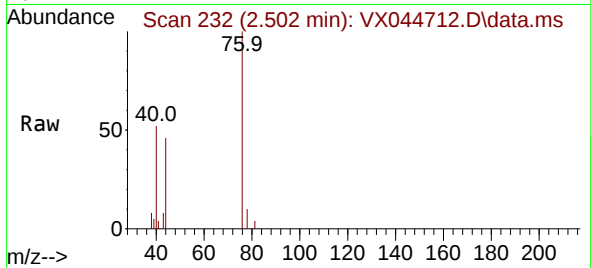




#17
Carbon Disulfide
Concen: 0.376 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044712.D
Acq: 27 Jan 2025 10:38

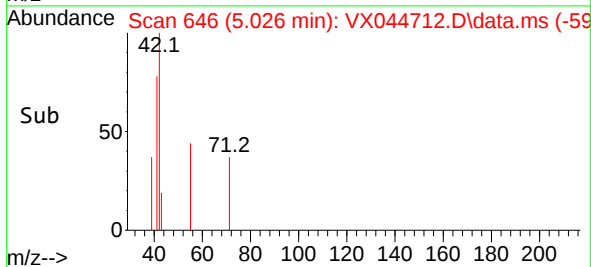
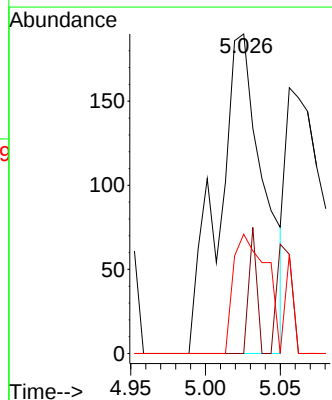
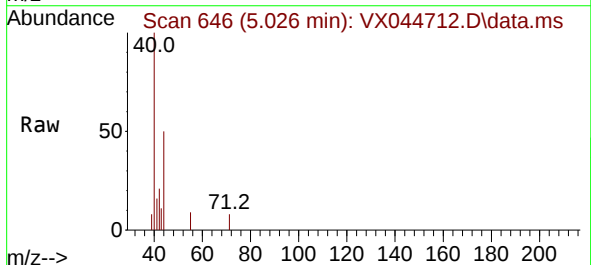
Instrument :
MSVOA_X
ClientSampleId :
VX0127MBL01

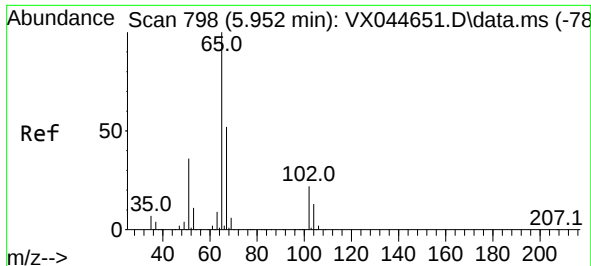
Tgt Ion: 76 Resp: 1883
Ion Ratio Lower Upper
76 100
78 10.1 7.1 10.7



#29
Tetrahydrofuran
Concen: 0.446 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.025 min
Lab File: VX044712.D
Acq: 27 Jan 2025 10:38

Tgt Ion: 42 Resp: 401
Ion Ratio Lower Upper
42 100
72 6.7 38.2 57.4#
71 32.7 35.3 52.9#





#33

1,2-Dichloroethane-d4

Concen: 47.843 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX044712.D

Acq: 27 Jan 2025 10:38

Instrument :

MSVOA_X

ClientSampleId :

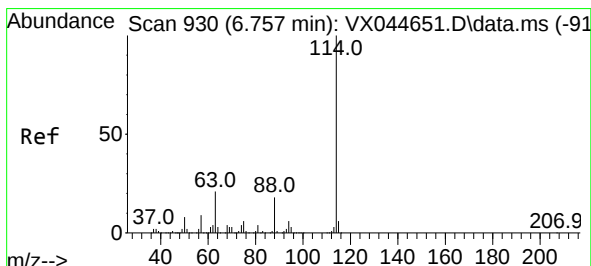
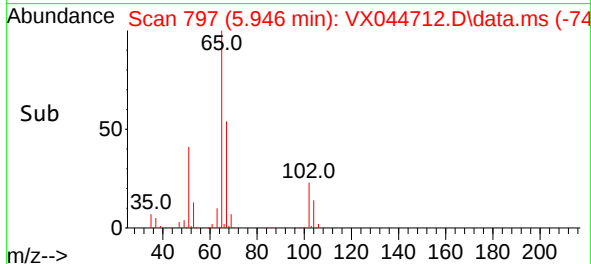
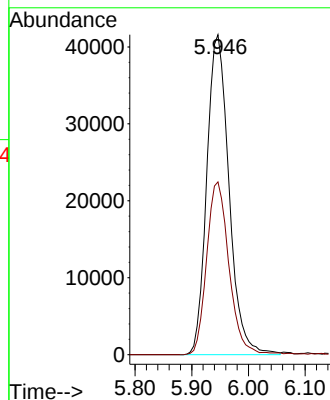
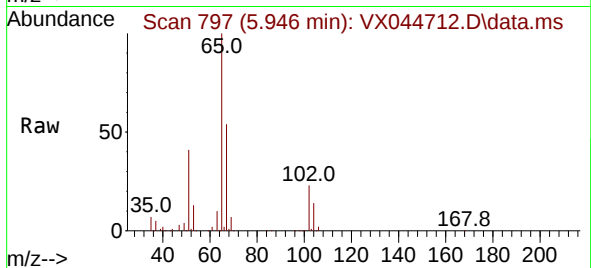
VX0127MBL01

Tgt Ion: 65 Resp: 113332

Ion Ratio Lower Upper

65 100

67 54.5 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044712.D

Acq: 27 Jan 2025 10:38

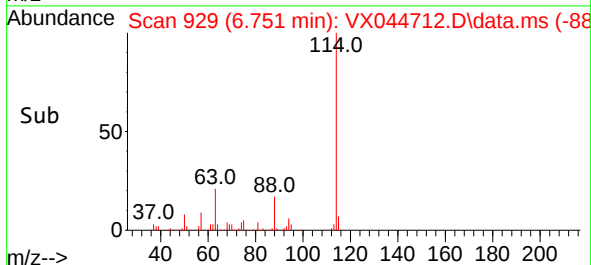
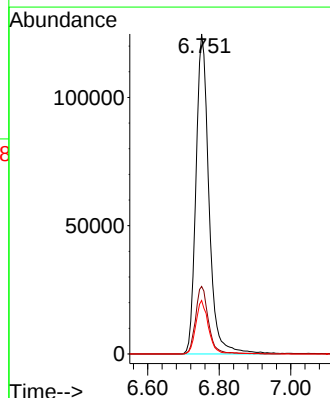
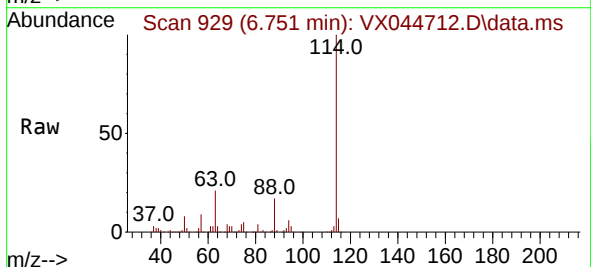
Tgt Ion: 114 Resp: 314560

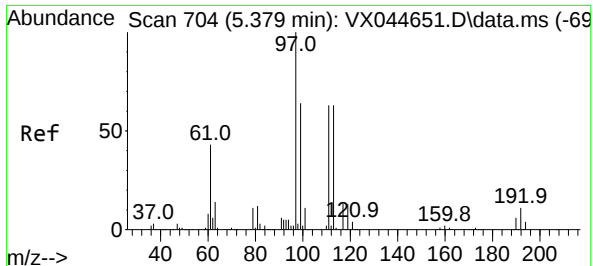
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.0

88 16.7 0.0 35.4

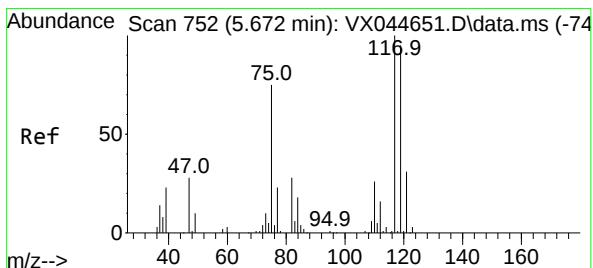
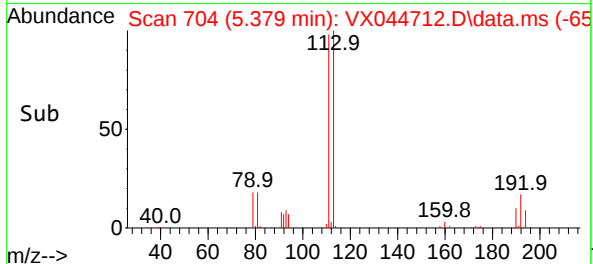
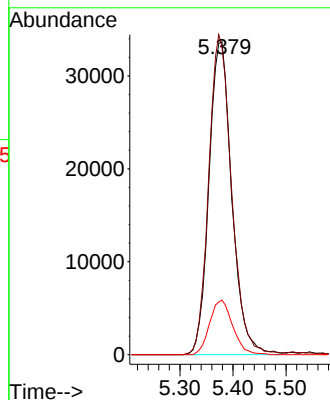
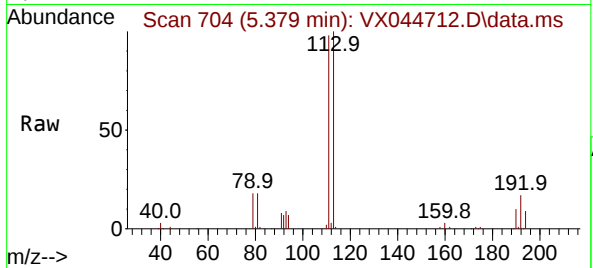




#35
Dibromofluoromethane
Concen: 50.498 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044712.D
Acq: 27 Jan 2025 10:38

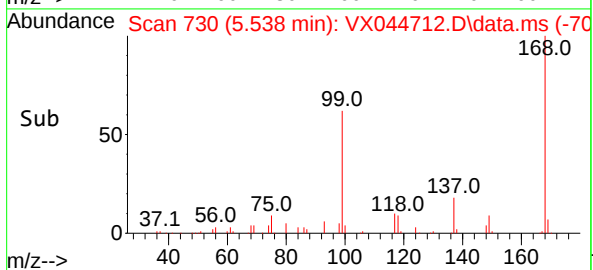
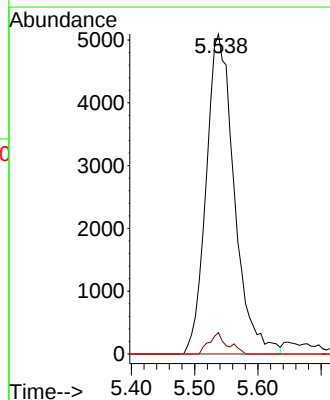
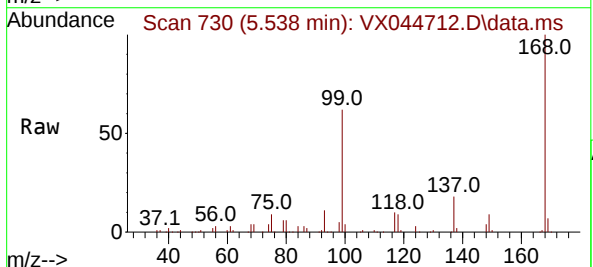
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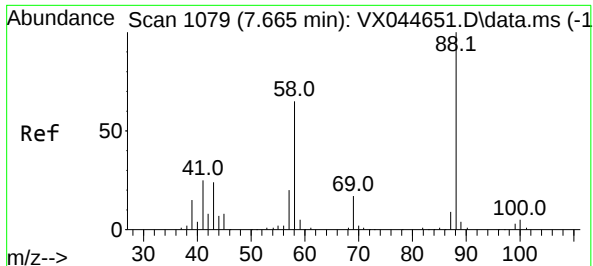
Tgt Ion:113 Resp: 100912
Ion Ratio Lower Upper
113 100
111 102.1 81.6 122.4
192 17.6 14.4 21.6



#38
Carbon Tetrachloride
Concen: 5.022 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX044712.D
Acq: 27 Jan 2025 10:38

Tgt Ion:117 Resp: 15713
Ion Ratio Lower Upper
117 100
119 6.7 76.0 114.0#
121 0.0 24.6 36.8#





#49

1,4-Dioxane

Concen: 0.947 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.031 min

Lab File: VX044712.D

Acq: 27 Jan 2025 10:38

Instrument :

MSVOA_X

ClientSampleId :

VX0127MBL01

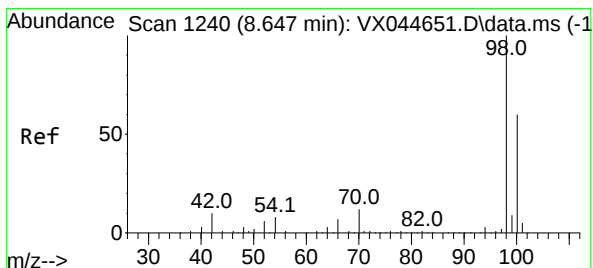
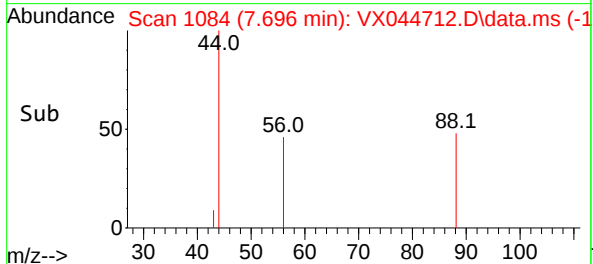
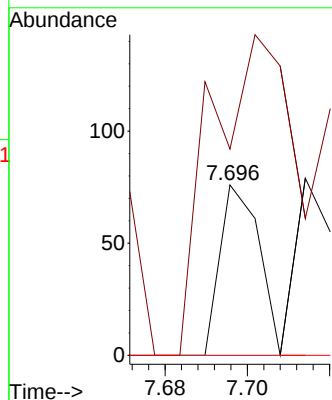
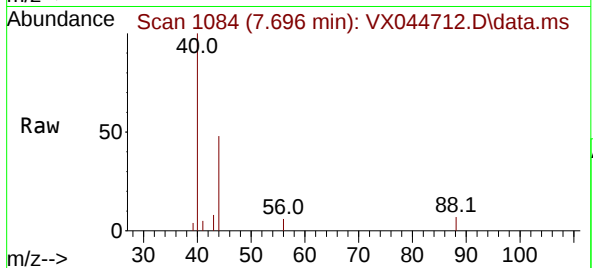
Tgt Ion: 88 Resp: 50

Ion Ratio Lower Upper

88 100

43 400.0 27.0 40.4#

58 0.0 55.8 83.8#



#50

Toluene-d8

Concen: 54.022 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX044712.D

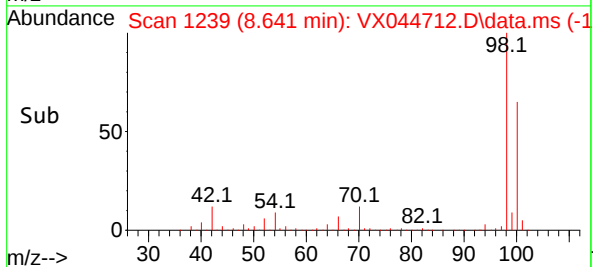
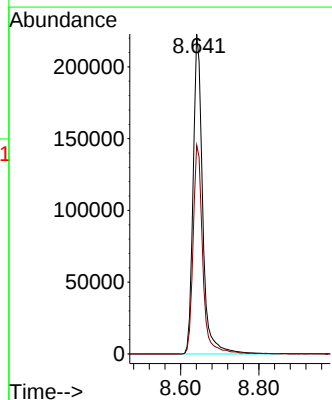
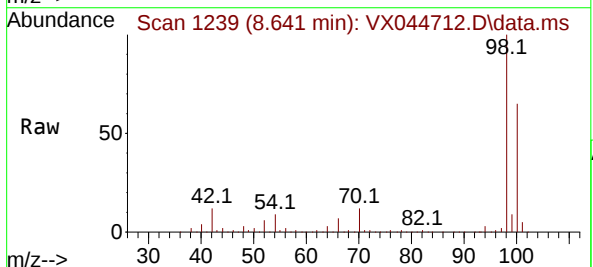
Acq: 27 Jan 2025 10:38

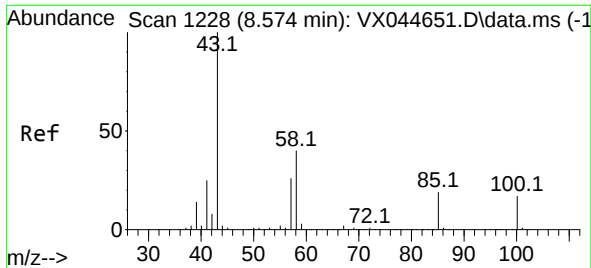
Tgt Ion: 98 Resp: 376419

Ion Ratio Lower Upper

98 100

100 65.8 53.2 79.8

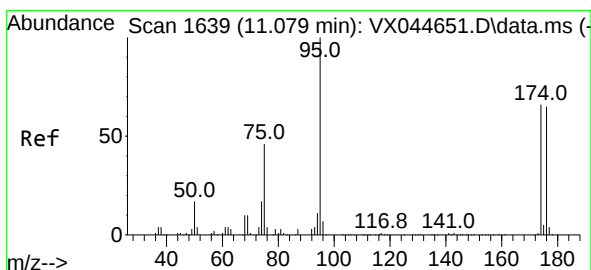
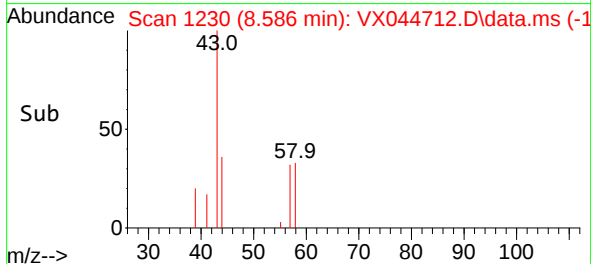
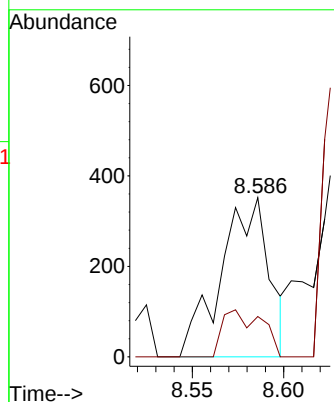
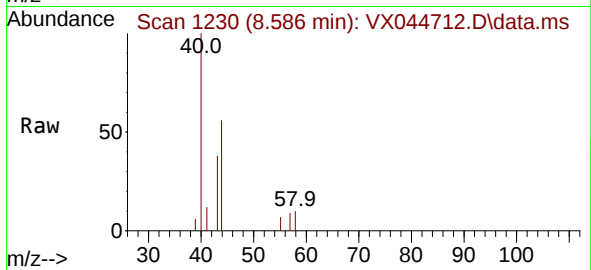




#51
4-Methyl-2-Pentanone
Concen: 0.215 ug/l
RT: 8.586 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX044712.D
Acq: 27 Jan 2025 10:38

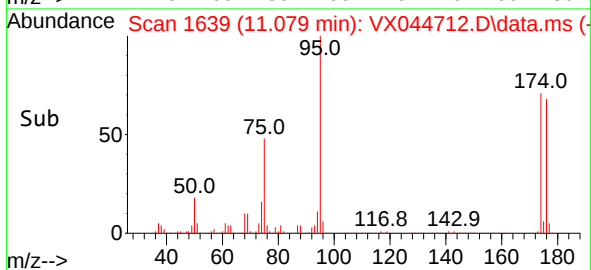
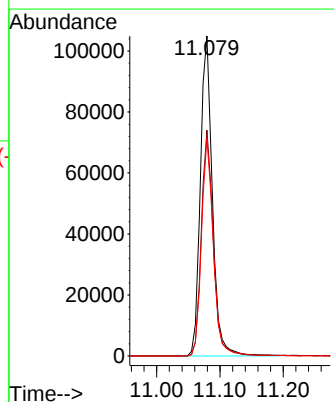
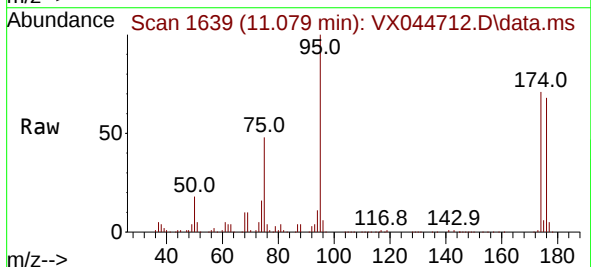
Instrument :
MSVOA_X
ClientSampleId :
VX0127MBL01

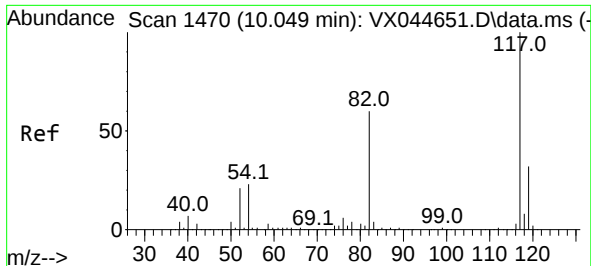
Tgt Ion: 43 Resp: 646
Ion Ratio Lower Upper
43 100
58 23.8 31.9 47.9#



#62
4-Bromofluorobenzene
Concen: 53.523 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044712.D
Acq: 27 Jan 2025 10:38

Tgt Ion: 95 Resp: 139028
Ion Ratio Lower Upper
95 100
174 70.5 0.0 133.0
176 67.4 0.0 129.4

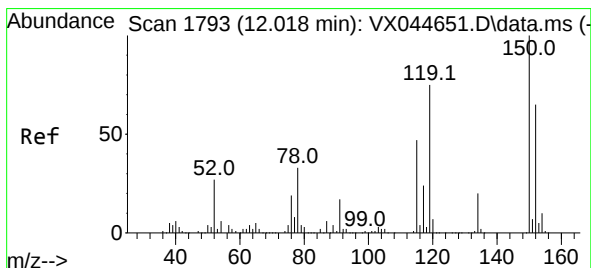
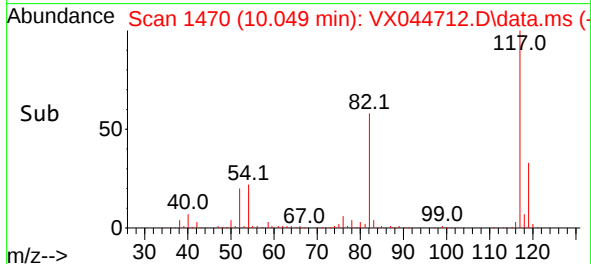
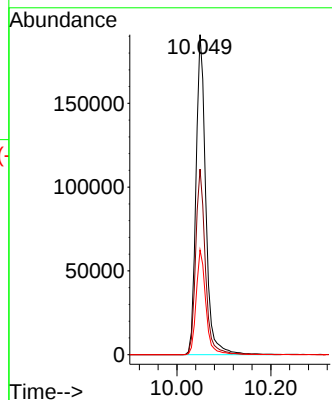
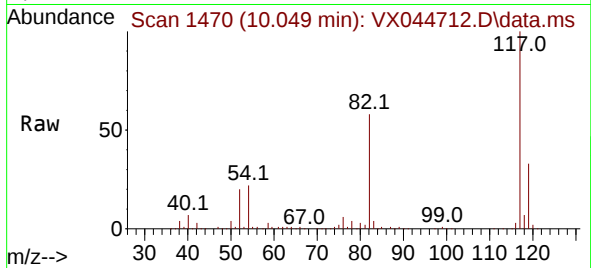




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044712.D
Acq: 27 Jan 2025 10:38

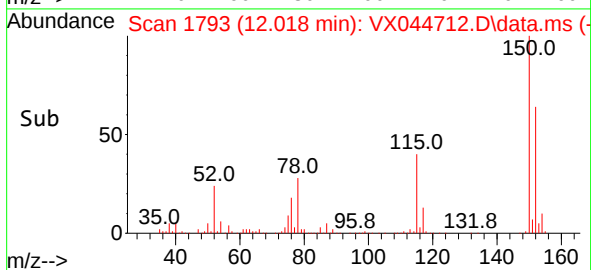
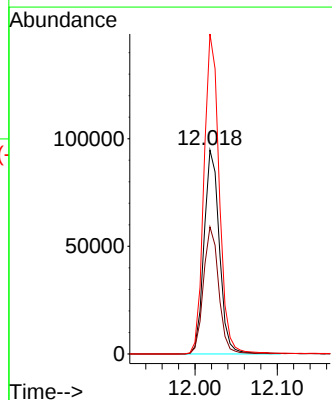
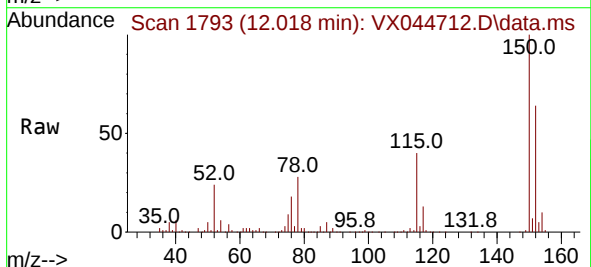
Instrument :
MSVOA_X
ClientSampleId :
VX0127MBL01

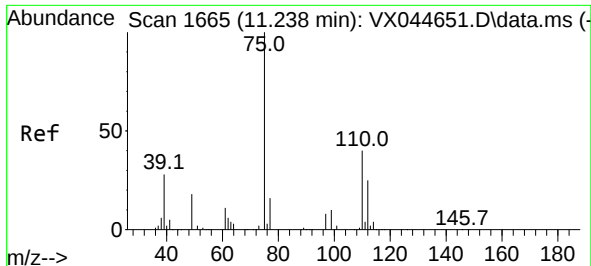
Tgt Ion:117 Resp: 278587
Ion Ratio Lower Upper
117 100
82 58.0 47.6 71.4
119 32.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044712.D
Acq: 27 Jan 2025 10:38

Tgt Ion:152 Resp: 122776
Ion Ratio Lower Upper
152 100
115 62.3 43.8 131.4
150 156.8 0.0 347.8

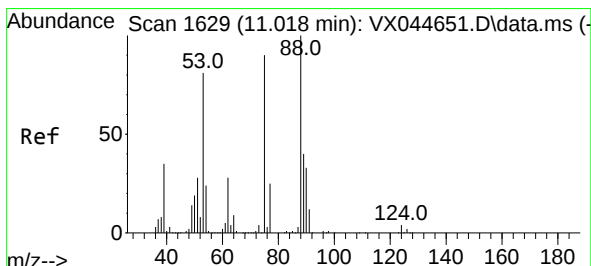
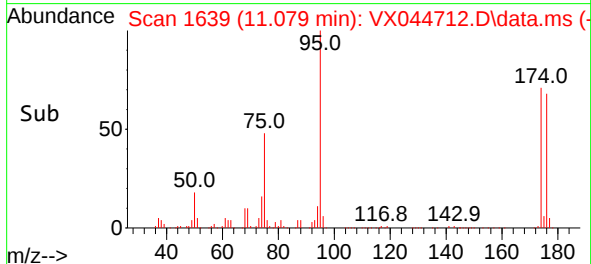
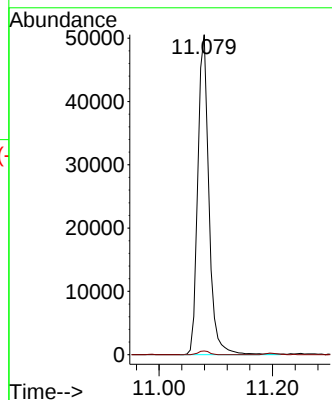
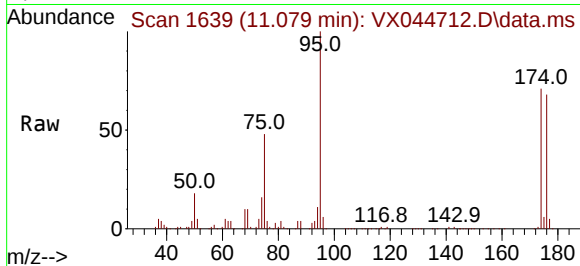




#76
1,2,3-Trichloropropane
Concen: 23.076 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044712.D
Acq: 27 Jan 2025 10:38

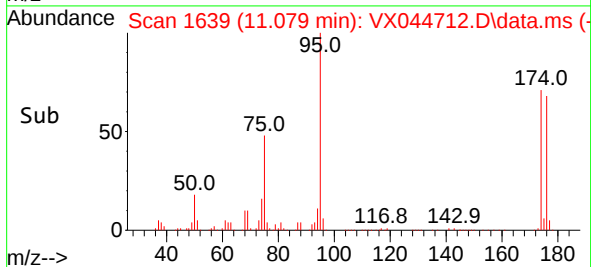
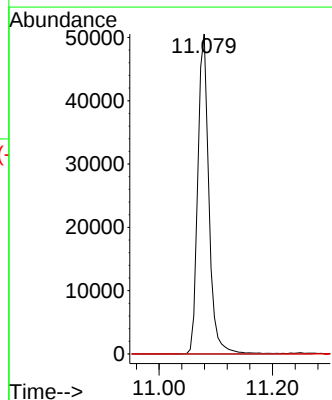
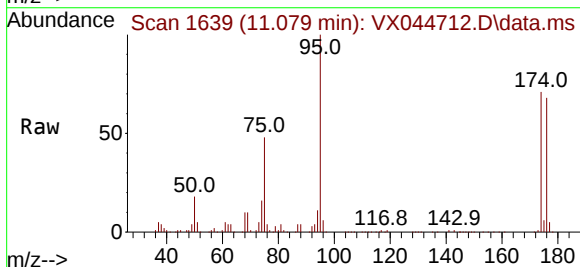
Instrument :
MSVOA_X
ClientSampleId :
VX0127MBL01

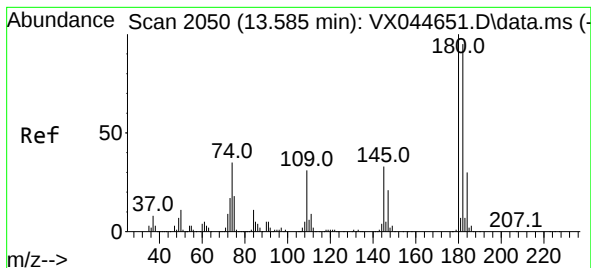
Tgt Ion: 75 Resp: 68757
Ion Ratio Lower Upper
75 100
77 1.2 23.4 70.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 52.771 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044712.D
Acq: 27 Jan 2025 10:38

Tgt Ion: 75 Resp: 68757
Ion Ratio Lower Upper
75 100
53 0.0 74.3 111.5#
89 0.0 37.4 56.0#





#93

1,2,4-Trichlorobenzene

Concen: 0.278 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX044712.D

Acq: 27 Jan 2025 10:38

Instrument :

MSVOA_X

ClientSampleId :

VX0127MBL01

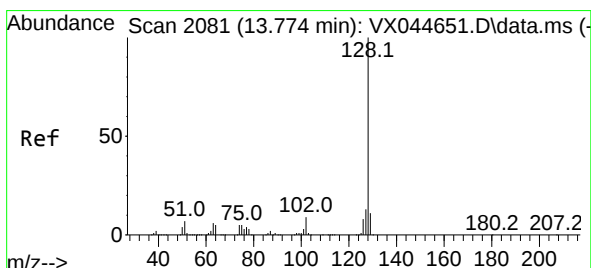
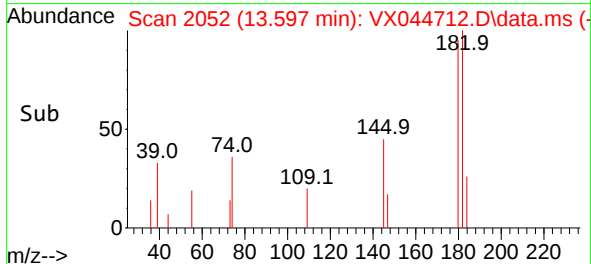
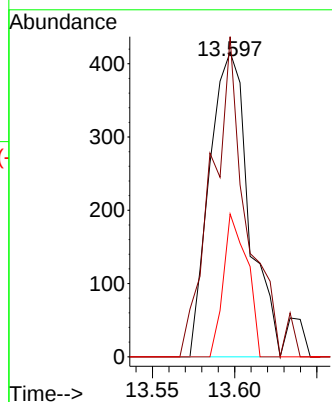
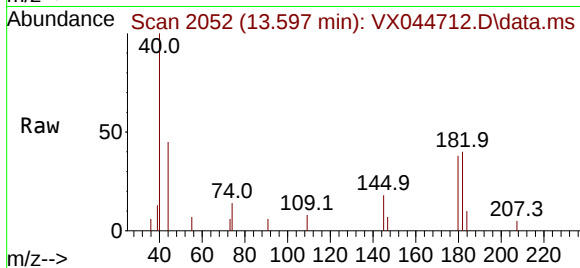
Tgt Ion:180 Resp: 694

Ion Ratio Lower Upper

180 100

182 95.0 47.4 142.2

145 28.2 16.7 50.1



#95

Naphthalene

Concen: 0.455 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX044712.D

Acq: 27 Jan 2025 10:38

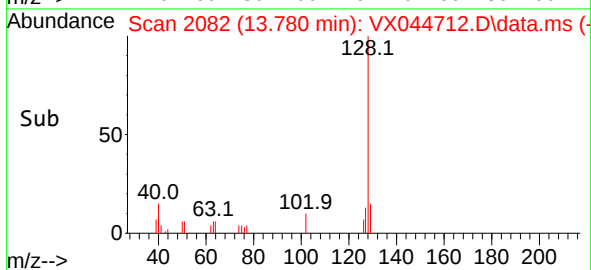
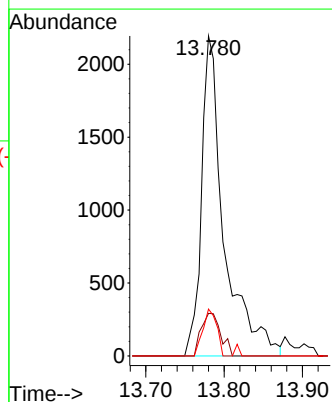
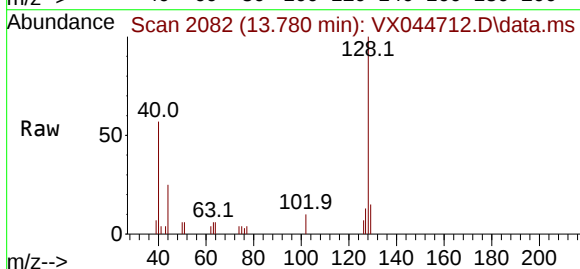
Tgt Ion:128 Resp: 4385

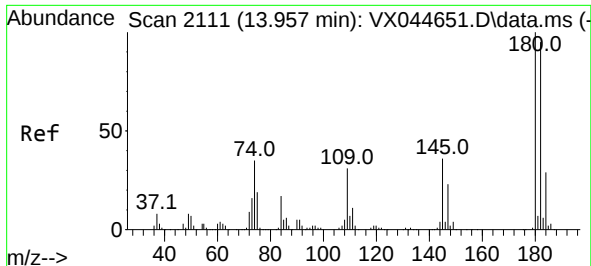
Ion Ratio Lower Upper

128 100

127 11.4 10.3 15.5

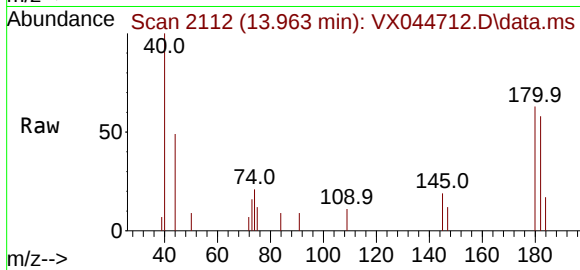
129 9.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.351 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX044712.D
 Acq: 27 Jan 2025 10:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127MBL01



Tgt Ion:180 Resp: 909
 Ion Ratio Lower Upper
 180 100
 182 93.6 47.2 141.6
 145 27.6 17.5 52.6

