

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111023\
 Data File : VX038742.D
 Acq On : 10 Nov 2023 20:24
 Operator : JC/MD
 Sample : 05316-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NWB-1978

Quant Time: Nov 11 02:00:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	258586	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	435489	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	459549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	270801	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	151387	47.025	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.040%
35) Dibromofluoromethane	5.385	113	142609	45.467	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.940%
50) Toluene-d8	8.647	98	520854	46.407	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.820%
62) 4-Bromofluorobenzene	11.079	95	228046	52.405	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.820%

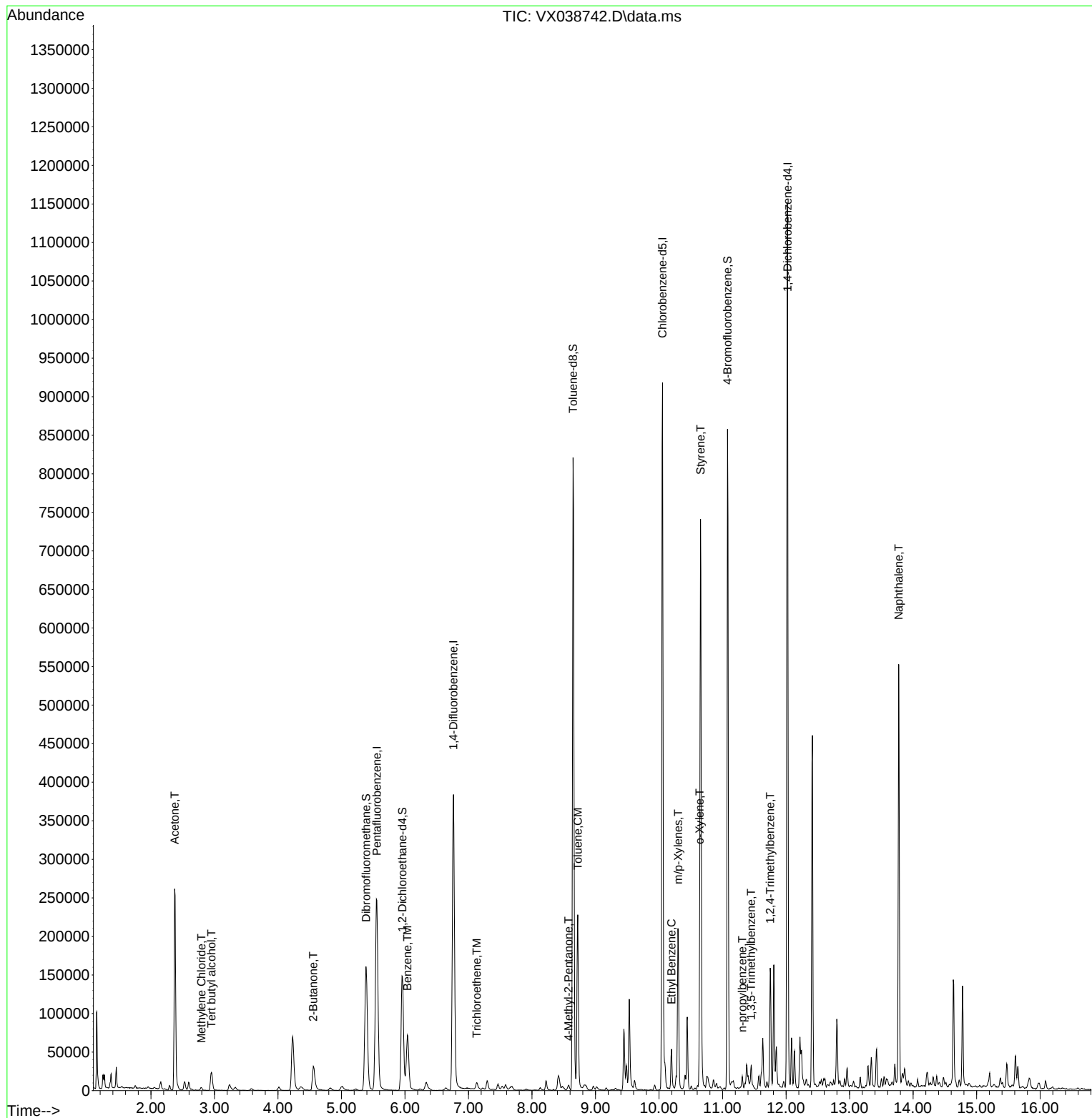
Target Compounds						Qvalue
11) Tert butyl alcohol	2.953	59	27747	42.162	ug/l	# 92
16) Acetone	2.374	43	269219	198.567	ug/l	# 89
20) Methylene Chloride	2.794	84	2219	0.812	ug/l	# 76
25) 2-Butanone	4.556	43	53490	27.234	ug/l	# 89
40) Benzene	6.038	78	91168	8.124	ug/l	100
44) Trichloroethene	7.129	130	3660	1.048	ug/l	91
51) 4-Methyl-2-Pentanone	8.574	43	2895	0.727	ug/l	# 85
52) Toluene	8.720	92	90751	12.345	ug/l	96
67) Ethyl Benzene	10.195	91	32200	2.035	ug/l	96
68) m/p-Xylenes	10.299	106	51872	8.259	ug/l	94
69) o-Xylene	10.640	106	31475	5.154	ug/l	94
70) Styrene	10.653	104	298430	29.607	ug/l	# 89
78) n-propylbenzene	11.311	91	6259	0.324	ug/l	# 74
80) 1,3,5-Trimethylbenzene	11.451	105	14251	0.997	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	65738	4.635	ug/l	81
95) Naphthalene	13.774	128	344036	18.730	ug/l	100

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

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Response via : Initial Calibration

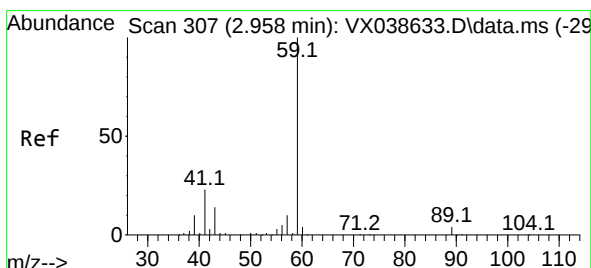
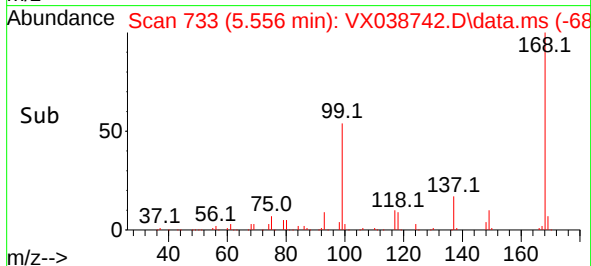
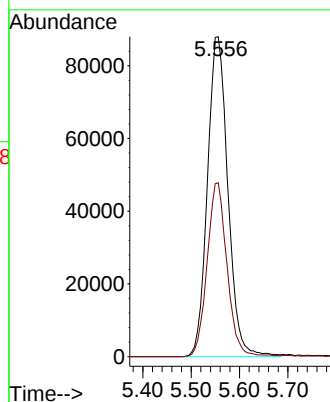
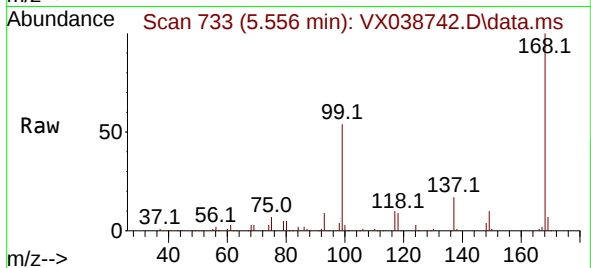




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038742.D
Acq: 10 Nov 2023 20:24

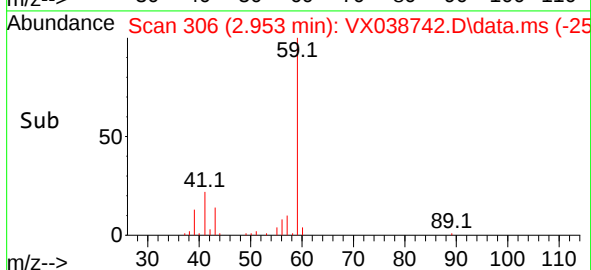
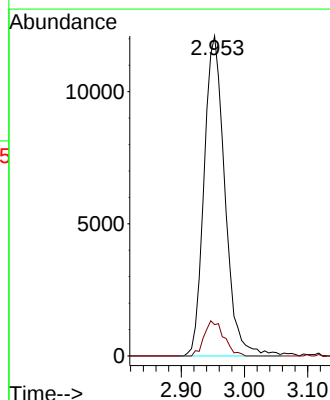
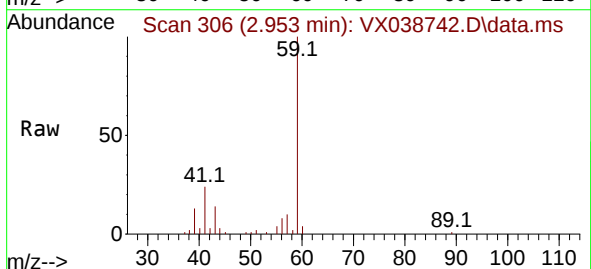
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MSVOA_X
ClientSampleId :
NWB-1978

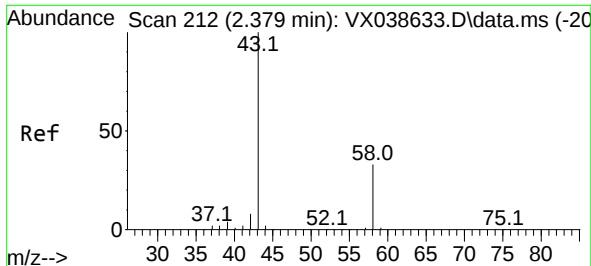
Tgt Ion:168 Resp: 258586
Ion Ratio Lower Upper
168 100
99 54.4 56.6 85.0#



#11
Tert butyl alcohol
Concen: 42.162 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX038742.D
Acq: 10 Nov 2023 20:24

Tgt Ion: 59 Resp: 27747
Ion Ratio Lower Upper
59 100
57 10.4 6.0 9.0#

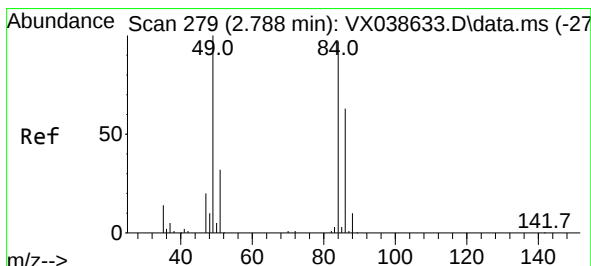
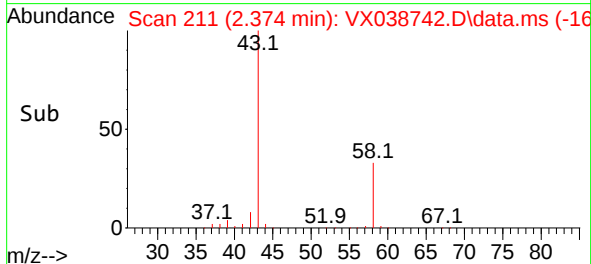
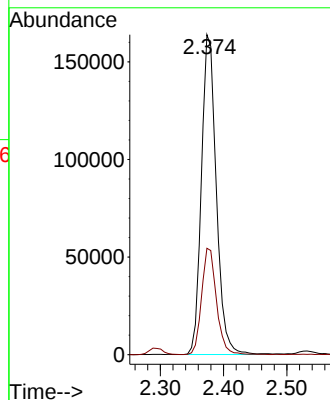
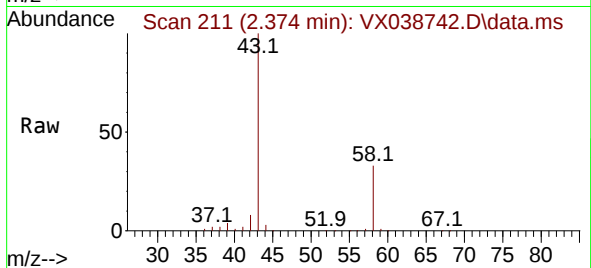




#16
Acetone
Concen: 198.567 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX038742.D
Acq: 10 Nov 2023 20:24

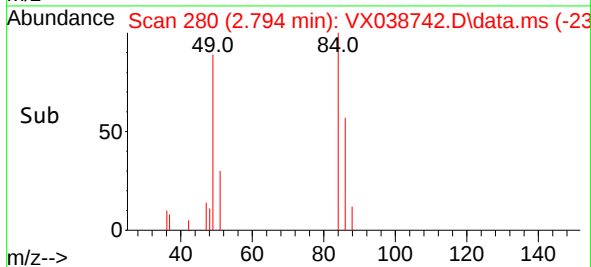
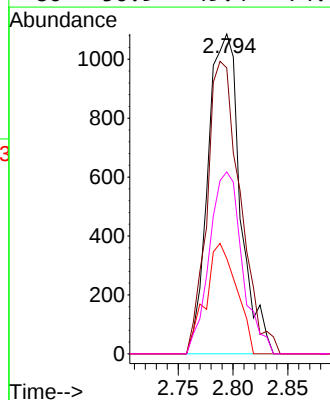
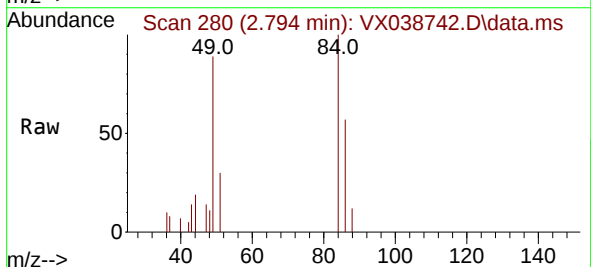
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ClientSampleId :
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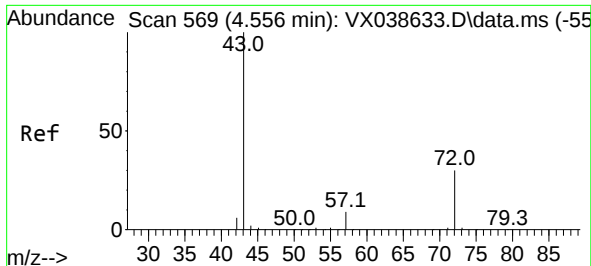
Tgt Ion: 43 Resp: 269219
Ion Ratio Lower Upper
43 100
58 33.2 21.9 32.9#



#20
Methylene Chloride
Concen: 0.812 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX038742.D
Acq: 10 Nov 2023 20:24

Tgt Ion: 84 Resp: 2219
Ion Ratio Lower Upper
84 100
49 89.4 103.6 155.4#
51 29.8 33.8 50.6#
86 56.9 49.4 74.0

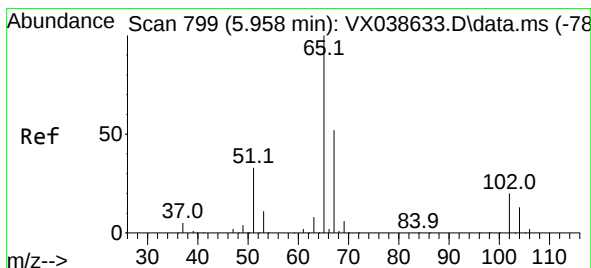
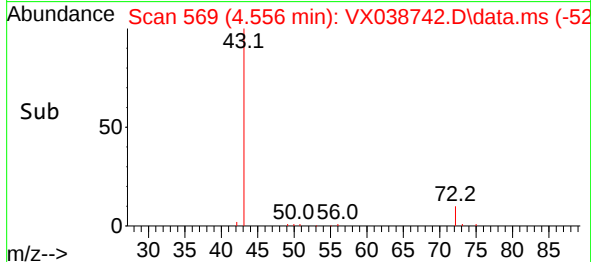
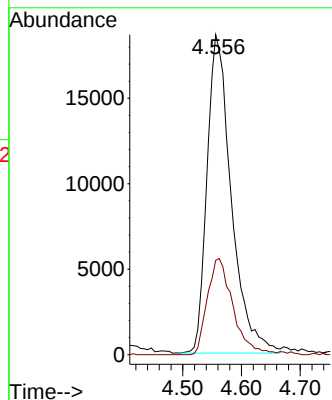
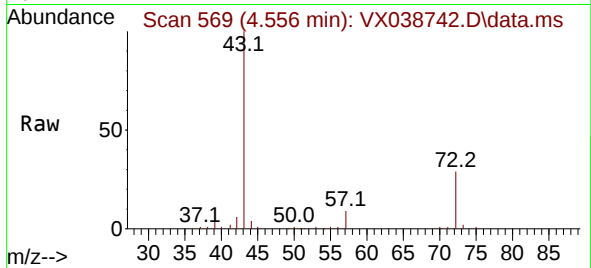




#25
2-Butanone
Concen: 27.234 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX038742.D
Acq: 10 Nov 2023 20:24

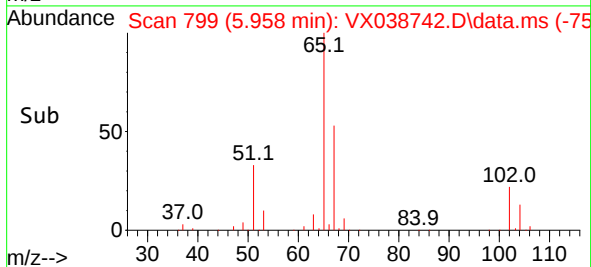
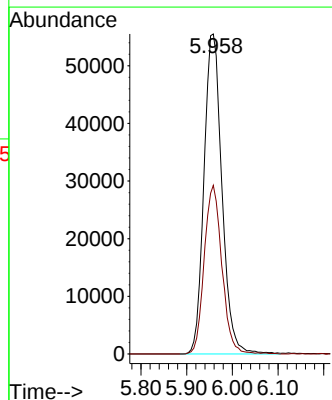
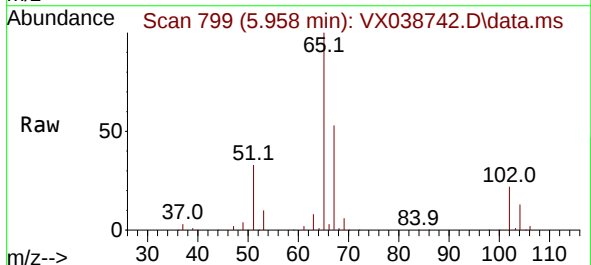
Instrument :
MSVOA_X
ClientSampleId :
NWB-1978

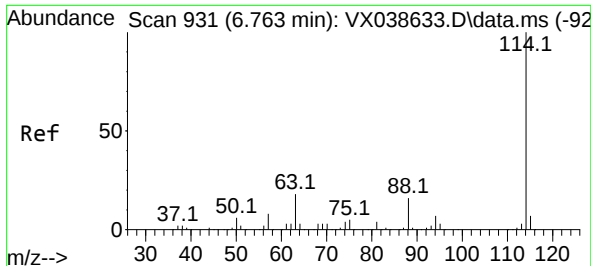
Tgt Ion: 43 Resp: 53490
Ion Ratio Lower Upper
43 100
72 29.6 19.4 29.2#



#33
1,2-Dichloroethane-d4
Concen: 47.025 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038742.D
Acq: 10 Nov 2023 20:24

Tgt Ion: 65 Resp: 151387
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.2

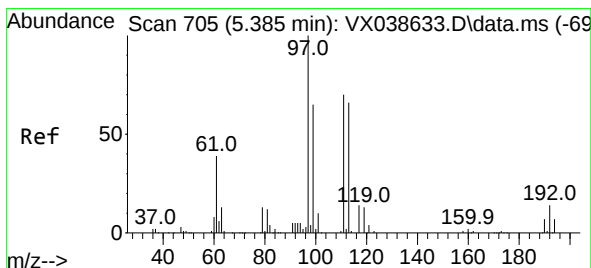
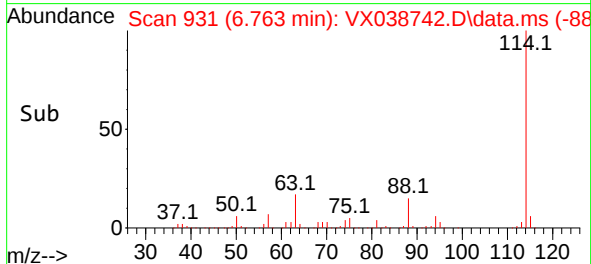
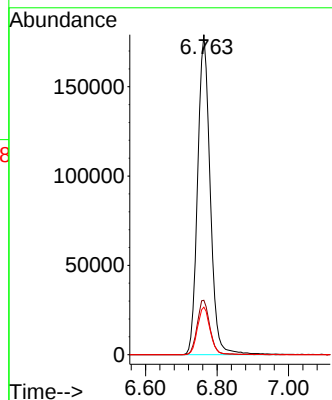
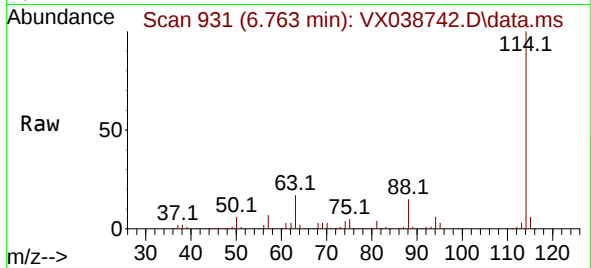




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX038742.D
Acq: 10 Nov 2023 20:24

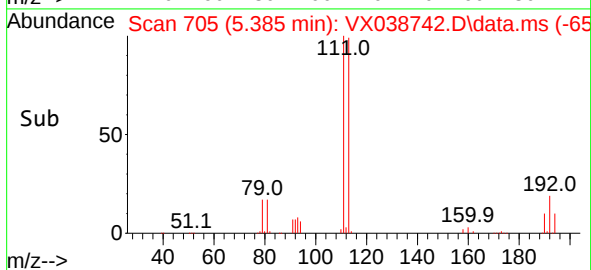
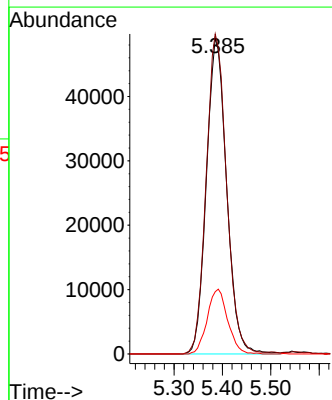
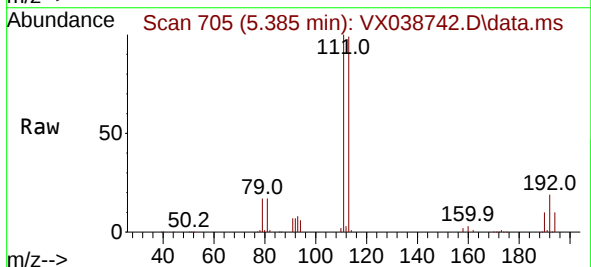
Instrument :
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ClientSampleId :
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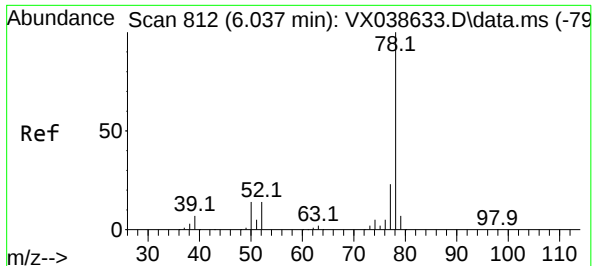
Tgt Ion:114 Resp: 435489
Ion Ratio Lower Upper
114 100
63 17.0 0.0 45.0
88 14.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.467 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038742.D
Acq: 10 Nov 2023 20:24

Tgt Ion:113 Resp: 142609
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 20.8 13.3 19.9#





#40

Benzene

Concen: 8.124 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX038742.D

Acq: 10 Nov 2023 20:24

Instrument :

MSVOA_X

ClientSampleId :

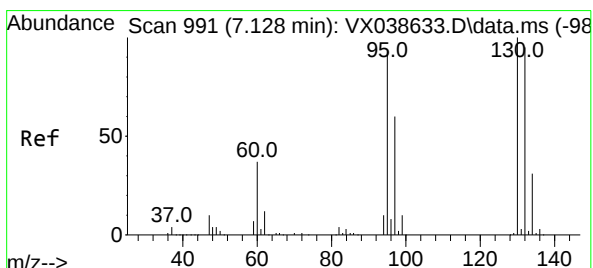
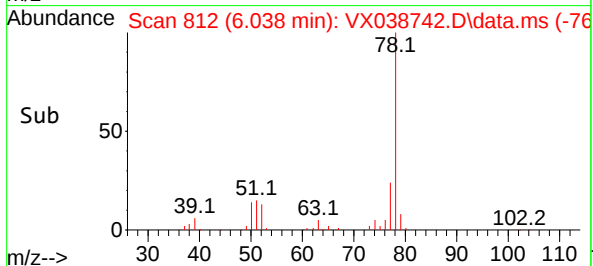
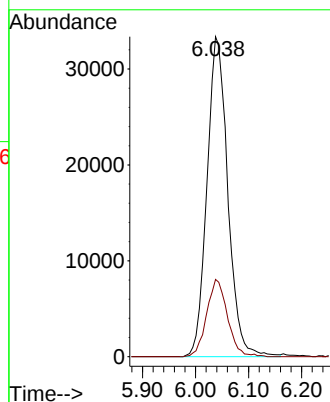
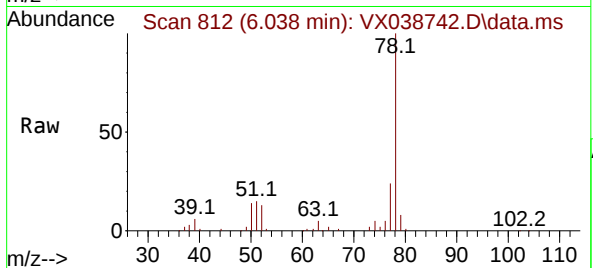
NWB-1978

Tgt Ion: 78 Resp: 91168

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9



#44

Trichloroethene

Concen: 1.048 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX038742.D

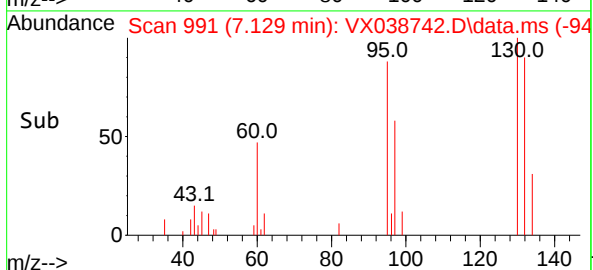
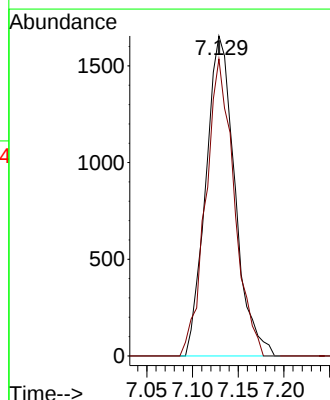
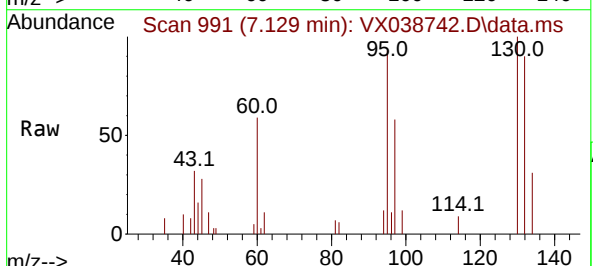
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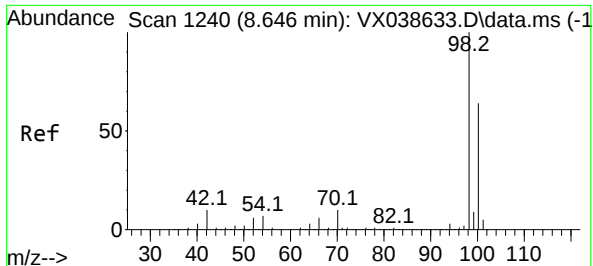
Tgt Ion:130 Resp: 3660

Ion Ratio Lower Upper

130 100

95 92.8 0.0 204.4

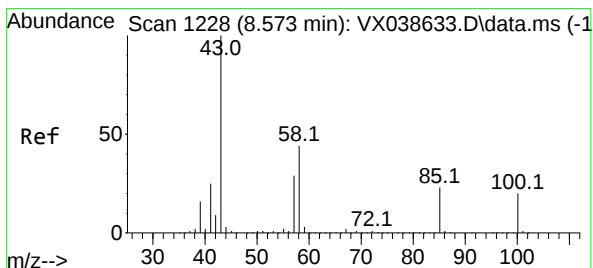
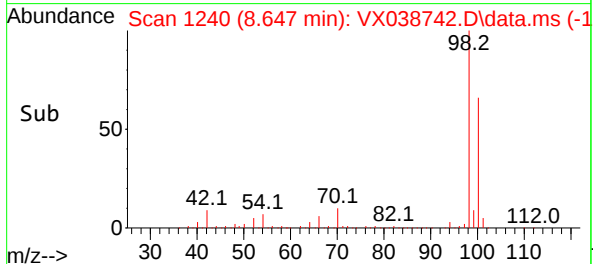
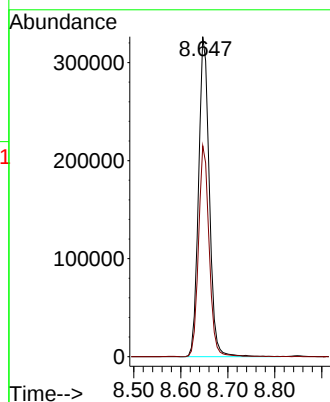
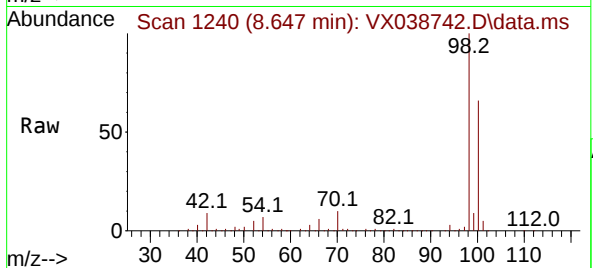




#50
Toluene-d8
Concen: 46.407 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038742.D
Acq: 10 Nov 2023 20:24

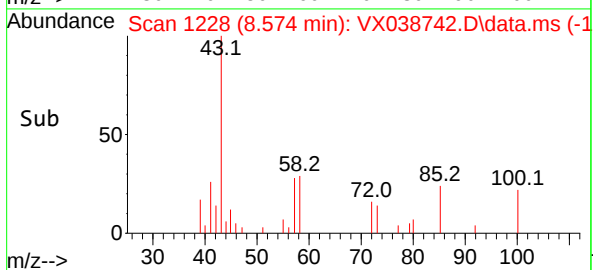
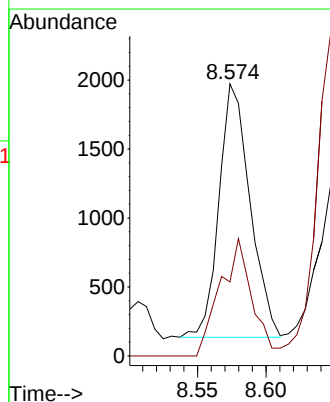
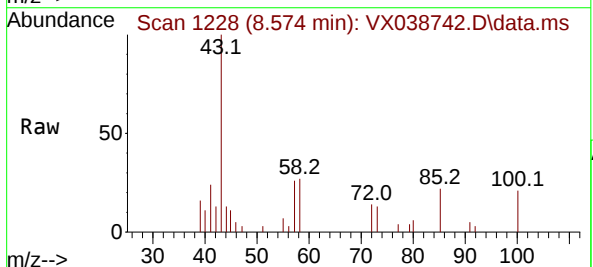
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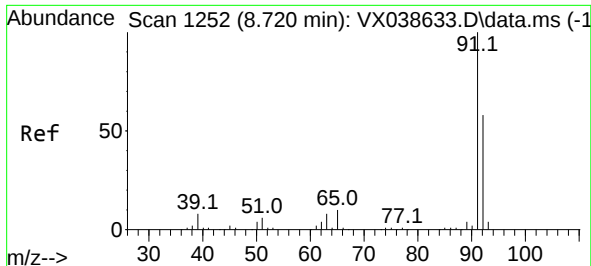
Tgt Ion: 98 Resp: 520854
Ion Ratio Lower Upper
98 100
100 65.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.727 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX038742.D
Acq: 10 Nov 2023 20:24

Tgt Ion: 43 Resp: 2895
Ion Ratio Lower Upper
43 100
58 47.3 30.4 45.6#





#52

Toluene

Concen: 12.345 ug/l

RT: 8.720 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038742.D

Acq: 10 Nov 2023 20:24

Instrument :

MSVOA_X

ClientSampleId :

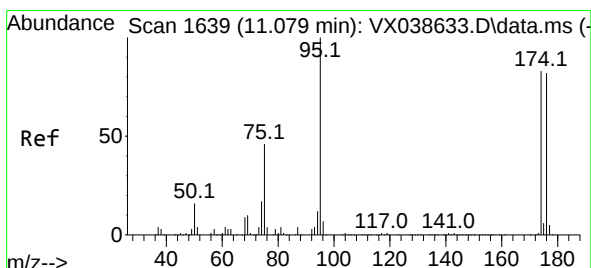
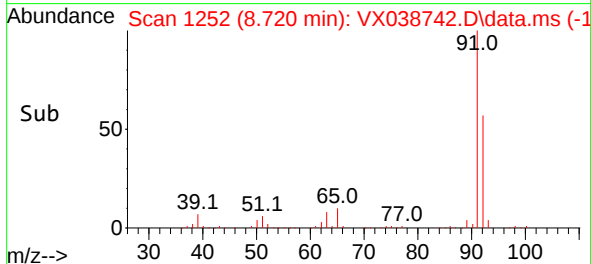
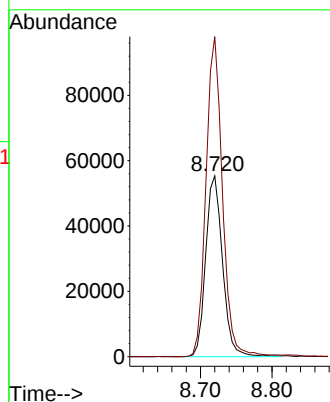
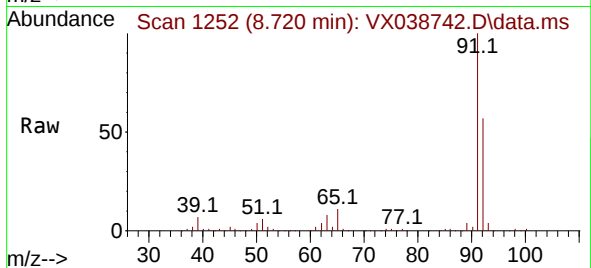
NWB-1978

Tgt Ion: 92 Resp: 90751

Ion Ratio Lower Upper

92 100

91 172.7 134.2 201.2



#62

4-Bromofluorobenzene

Concen: 52.405 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX038742.D

Acq: 10 Nov 2023 20:24

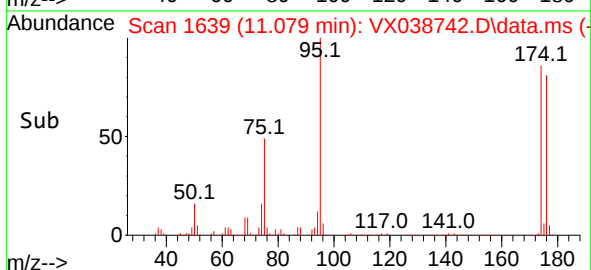
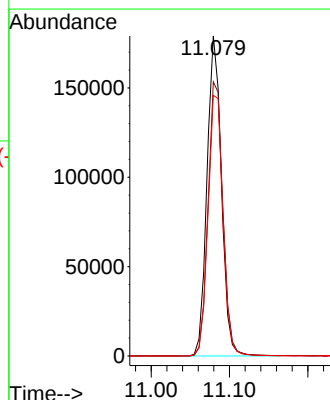
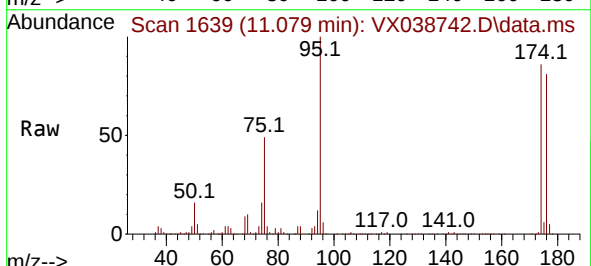
Tgt Ion: 95 Resp: 228046

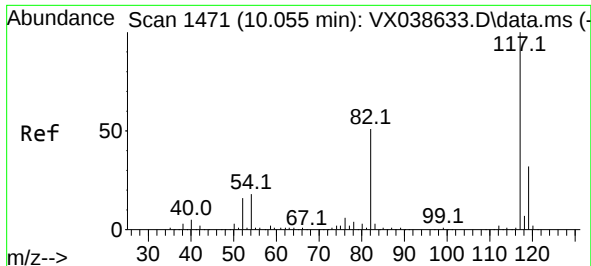
Ion Ratio Lower Upper

95 100

174 88.6 0.0 135.6

176 85.2 0.0 131.0

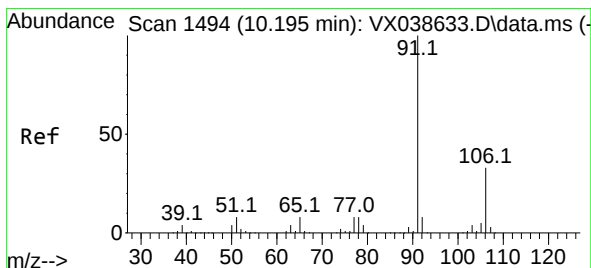
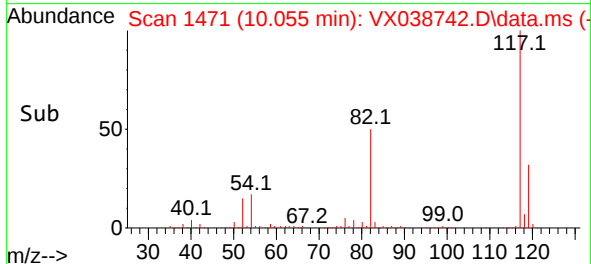
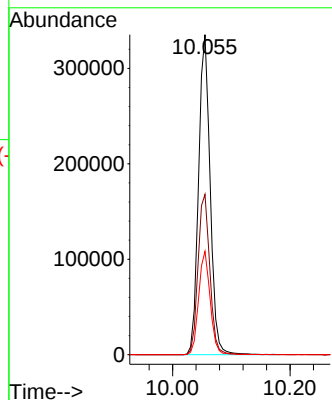
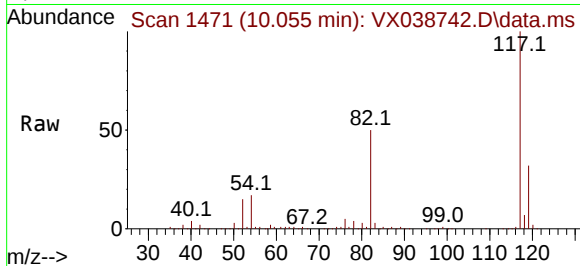




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038742.D
Acq: 10 Nov 2023 20:24

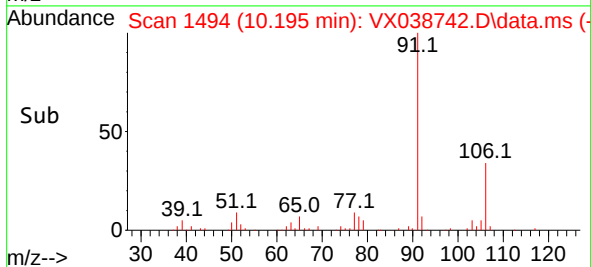
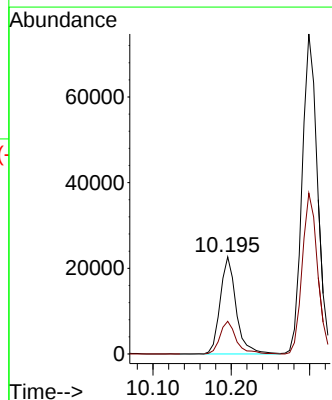
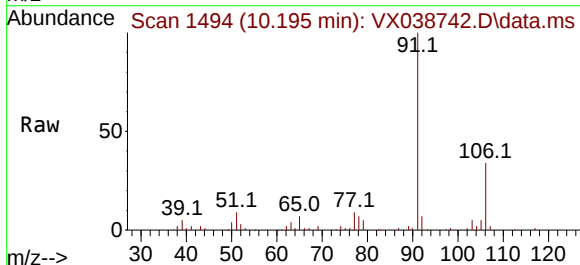
Instrument :
MSVOA_X
ClientSampleId :
NWB-1978

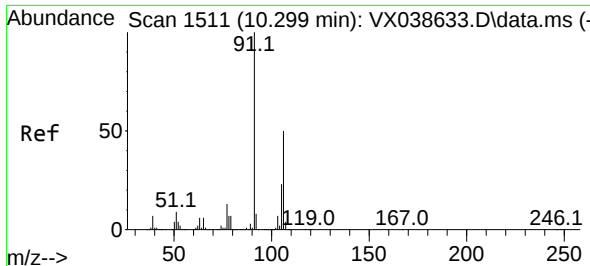
Tgt Ion:117 Resp: 459549
Ion Ratio Lower Upper
117 100
82 50.1 46.2 69.4
119 32.3 25.5 38.3



#67
Ethyl Benzene
Concen: 2.035 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX038742.D
Acq: 10 Nov 2023 20:24

Tgt Ion: 91 Resp: 32200
Ion Ratio Lower Upper
91 100
106 33.6 24.9 37.3

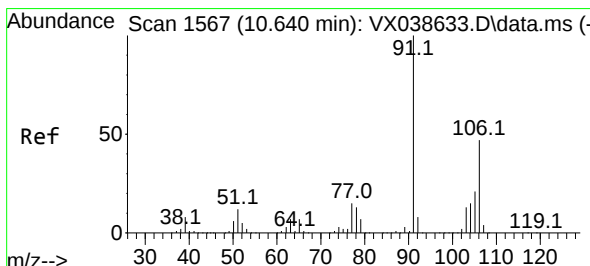
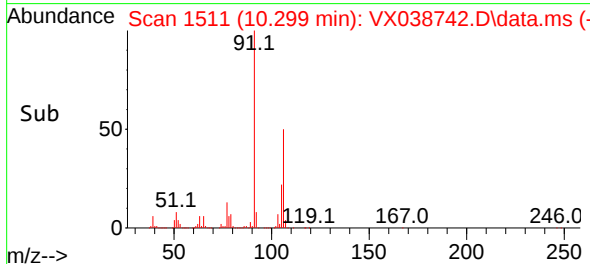
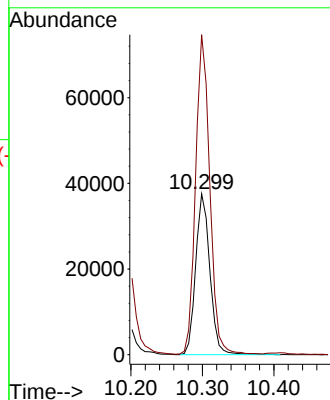
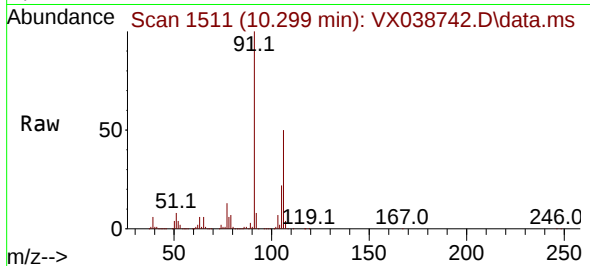




#68
m/p-Xylenes
Concen: 8.259 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX038742.D
Acq: 10 Nov 2023 20:24

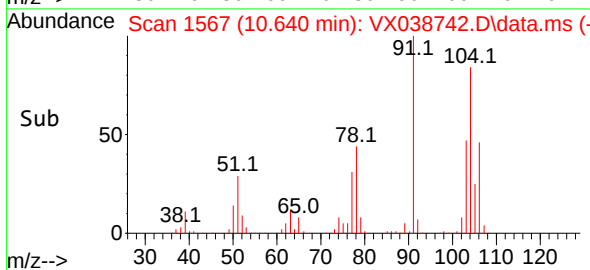
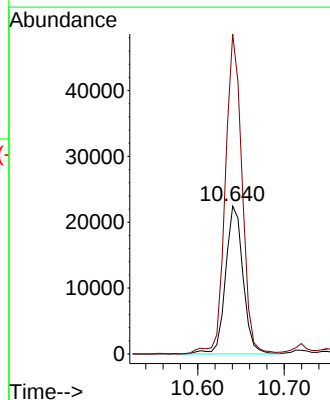
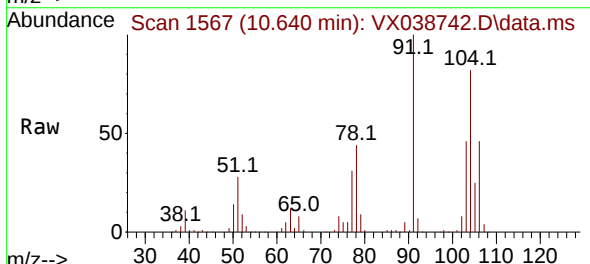
Instrument :
MSVOA_X
ClientSampleId :
NWB-1978

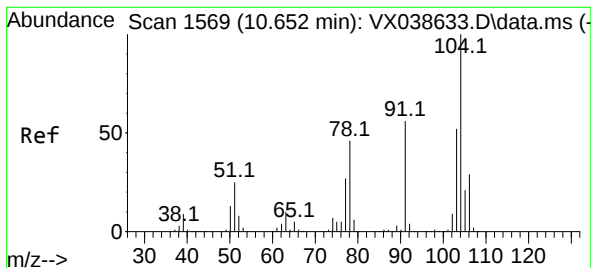
Tgt Ion:106 Resp: 51872
Ion Ratio Lower Upper
106 100
91 197.9 165.5 248.3



#69
o-Xylene
Concen: 5.154 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX038742.D
Acq: 10 Nov 2023 20:24

Tgt Ion:106 Resp: 31475
Ion Ratio Lower Upper
106 100
91 207.6 108.9 326.8





#70

Styrene

Concen: 29.607 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX038742.D

Acq: 10 Nov 2023 20:24

Instrument :

MSVOA_X

ClientSampleId :

NWB-1978

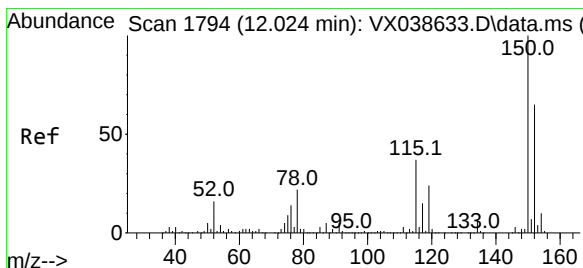
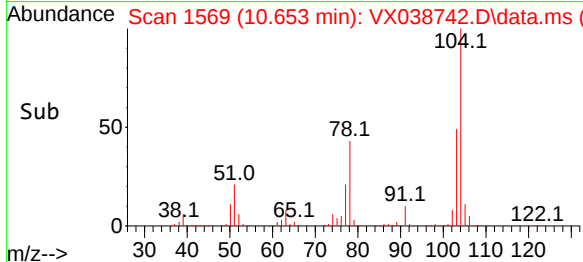
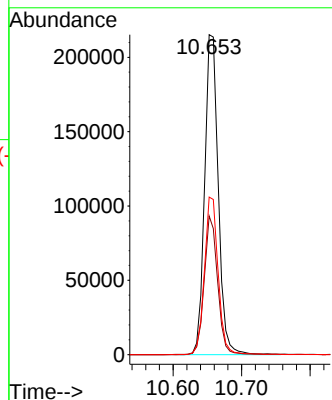
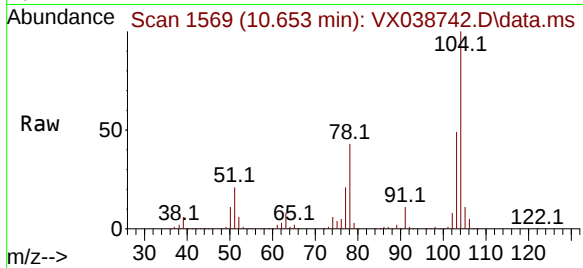
Tgt Ion:104 Resp: 298430

Ion Ratio Lower Upper

104 100

78 42.8 43.6 65.4#

103 49.8 43.6 65.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX038742.D

Acq: 10 Nov 2023 20:24

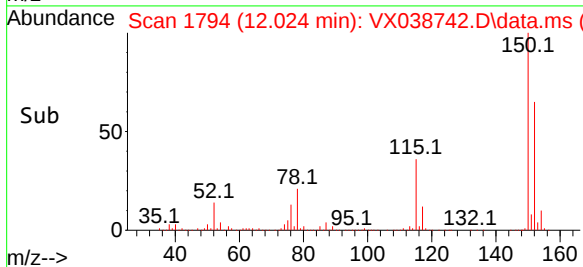
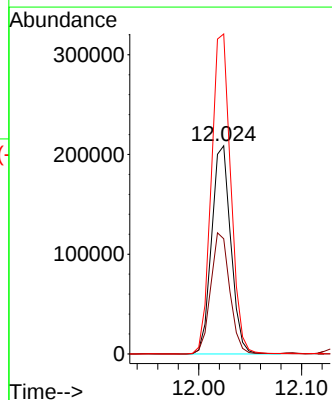
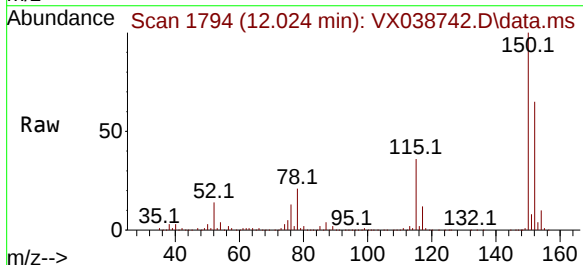
Tgt Ion:152 Resp: 270801

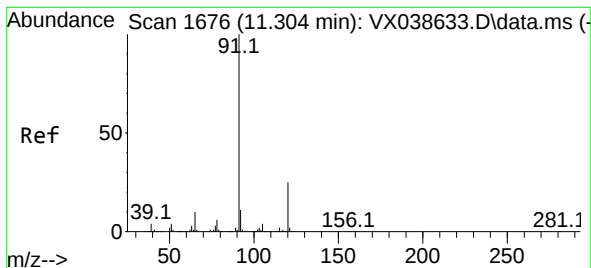
Ion Ratio Lower Upper

152 100

115 57.7 43.3 129.9

150 155.9 0.0 345.0





#78

n-propylbenzene

Concen: 0.324 ug/l

RT: 11.311 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX038742.D

Acq: 10 Nov 2023 20:24

Instrument :

MSVOA_X

ClientSampleId :

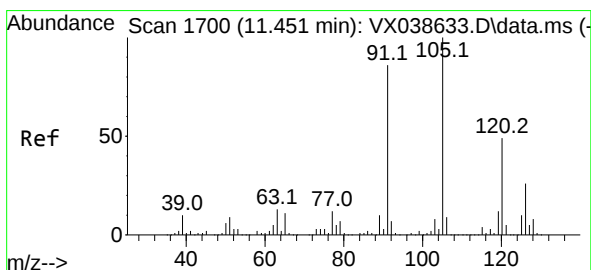
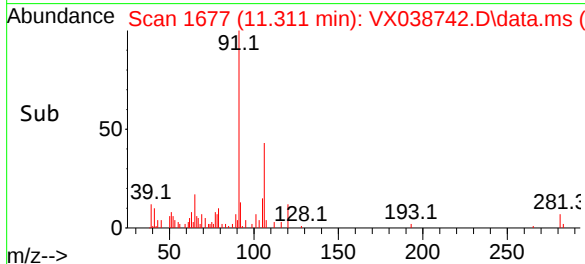
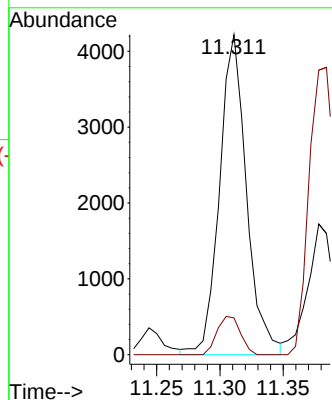
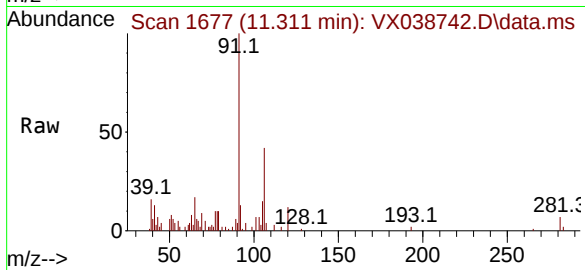
NWB-1978

Tgt Ion: 91 Resp: 6259

Ion Ratio Lower Upper

91 100

120 10.3 11.5 34.4#



#80

1,3,5-Trimethylbenzene

Concen: 0.997 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX038742.D

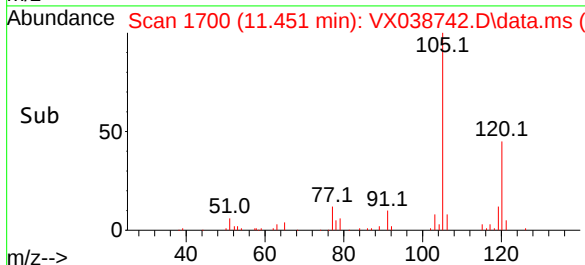
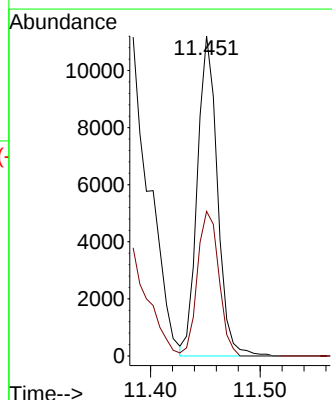
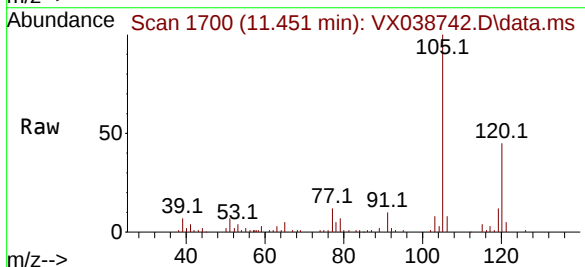
Acq: 10 Nov 2023 20:24

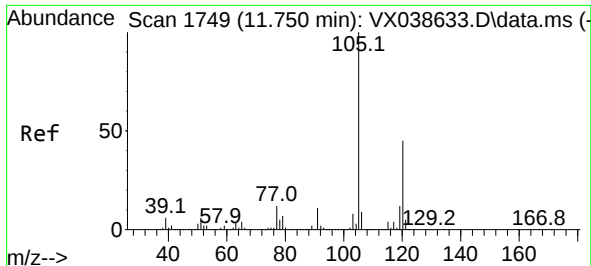
Tgt Ion:105 Resp: 14251

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.3

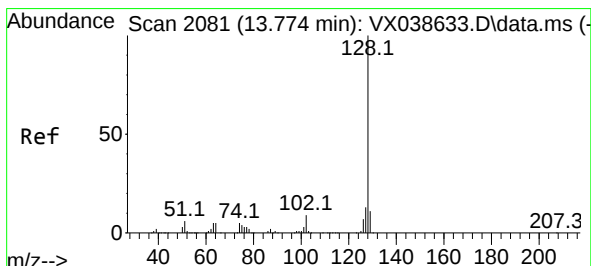
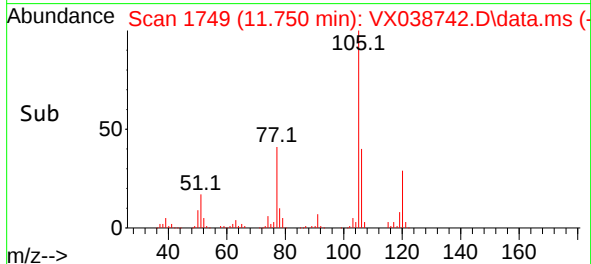
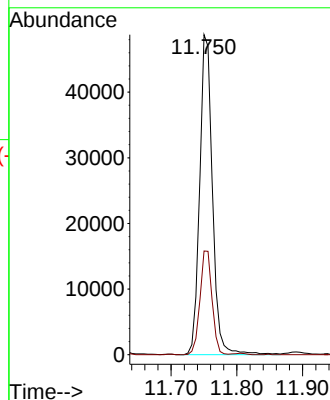
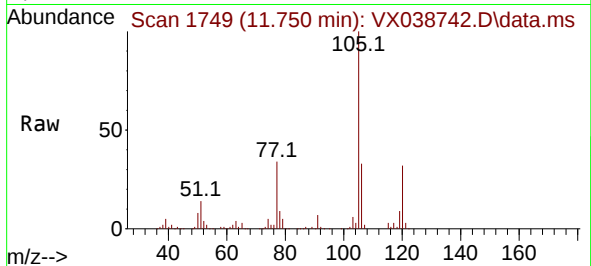




#84
1,2,4-Trimethylbenzene
Concen: 4.635 ug/l
RT: 11.750 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038742.D
Acq: 10 Nov 2023 20:24

Instrument :
MSVOA_X
ClientSampleId :
NWB-1978

Tgt Ion:105 Resp: 65738
Ion Ratio Lower Upper
105 100
120 30.6 21.2 63.6



#95
Naphthalene
Concen: 18.730 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX038742.D
Acq: 10 Nov 2023 20:24

Tgt Ion:128 Resp: 344036
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.9 8.8 13.2

