

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010324\
 Data File : VX039599.D
 Acq On : 03 Jan 2024 14:05
 Operator : JC/MD
 Sample : P1002-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1211

Quant Time: Jan 04 03:31:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

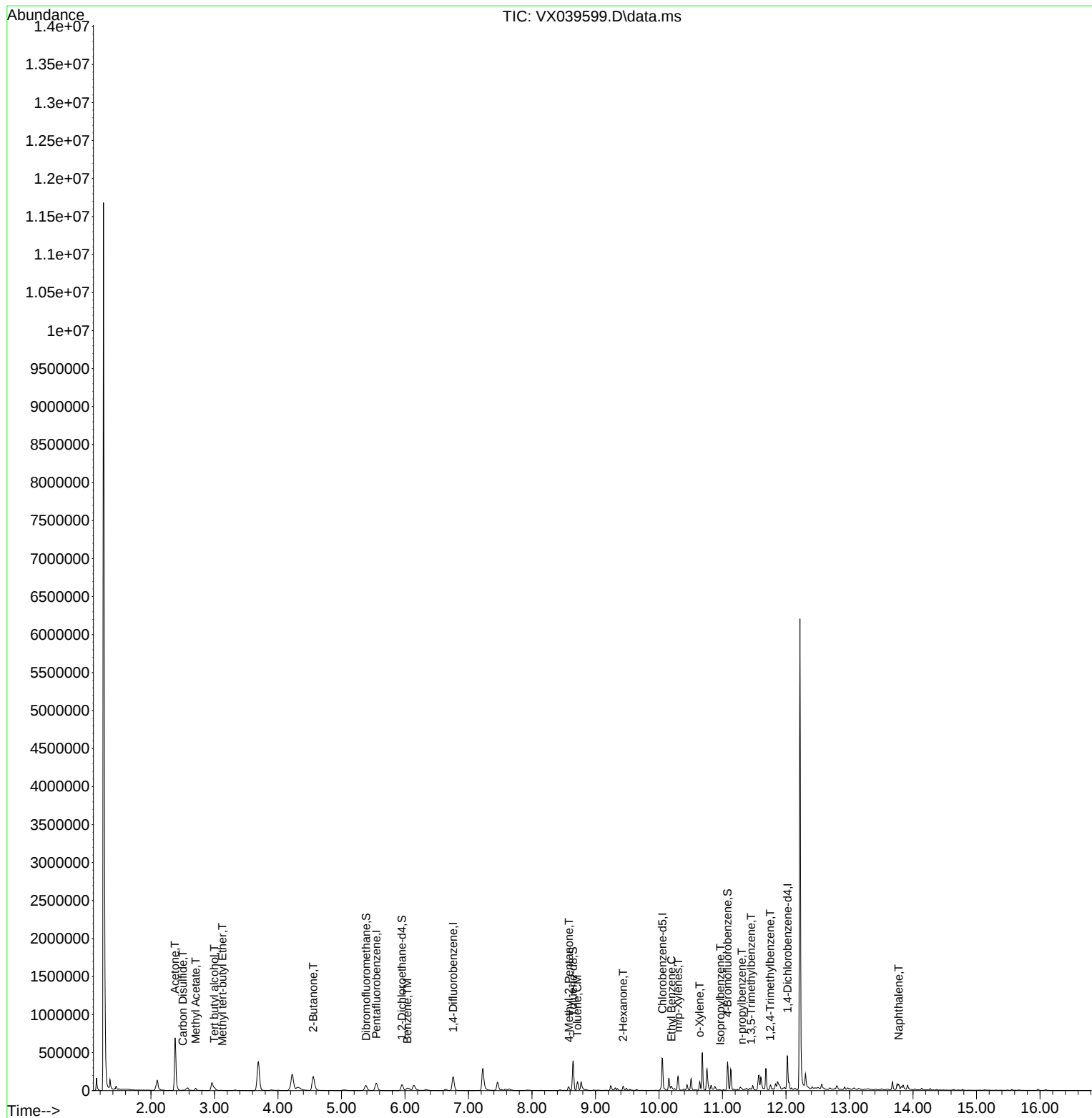
Internal Standards						
1) Pentafluorobenzene	5.550	168	84874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	179975	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	186375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	74635	48.002	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.000%
35) Dibromofluoromethane	5.385	113	59983	48.243	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.480%
50) Toluene-d8	8.647	98	228777	49.562	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.120%
62) 4-Bromofluorobenzene	11.079	95	100011	52.512	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.020%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.995	59	68155	174.558	ug/l #	88
16) Acetone	2.380	43	748806	908.663	ug/l	94
17) Carbon Disulfide	2.502	76	7007	2.194	ug/l	97
18) Methyl Acetate	2.703	43	35145	10.450	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	1321	0.335	ug/l #	83
25) 2-Butanone	4.556	43	341171	254.282	ug/l	98
40) Benzene	6.038	78	33726	6.077	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	33937	13.513	ug/l	98
52) Toluene	8.714	92	37020	11.051	ug/l	90
59) 2-Hexanone	9.433	43	32703	15.088	ug/l	99
67) Ethyl Benzene	10.195	91	26744	3.532	ug/l	95
68) m/p-Xylenes	10.299	106	39434	14.524	ug/l	93
69) o-Xylene	10.640	106	22373	8.523	ug/l	92
73) Isopropylbenzene	10.964	105	1671	0.256	ug/l	95
78) n-propylbenzene	11.305	91	3078	0.383	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	5394	0.971	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	20423	3.583	ug/l	98
95) Naphthalene	13.774	128	31206	5.046	ug/l	97

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

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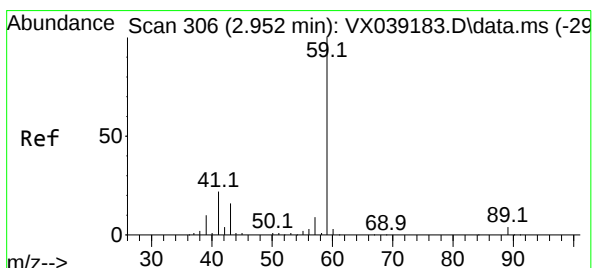
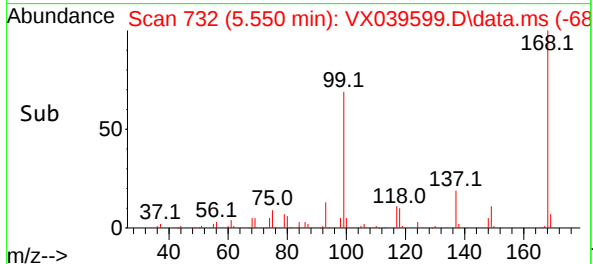
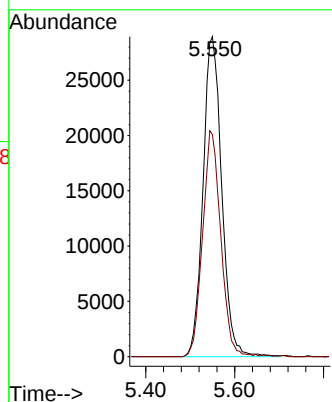
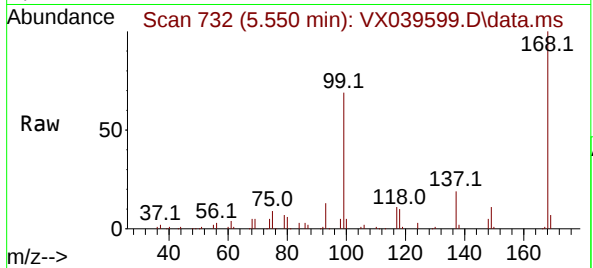




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039599.D
Acq: 03 Jan 2024 14:05

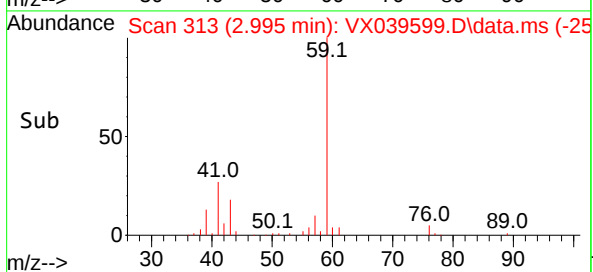
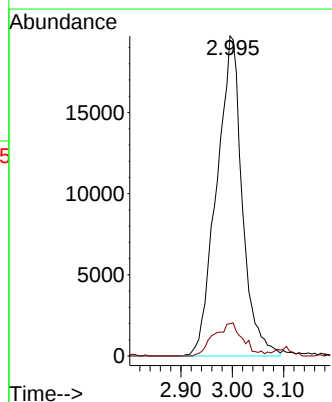
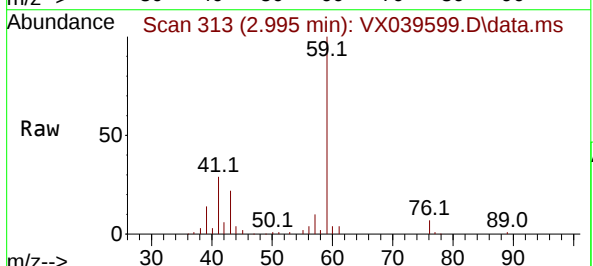
Instrument :
MSVOA_X
ClientSampleId :
1211

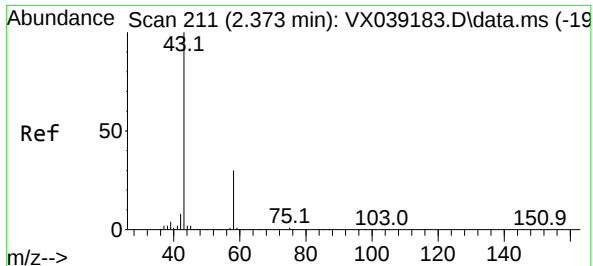
Tgt Ion:168 Resp: 84874
Ion Ratio Lower Upper
168 100
99 69.4 56.6 85.0



#11
Tert butyl alcohol
Concen: 174.558 ug/l
RT: 2.995 min Scan# 313
Delta R.T. 0.043 min
Lab File: VX039599.D
Acq: 03 Jan 2024 14:05

Tgt Ion: 59 Resp: 68155
Ion Ratio Lower Upper
59 100
57 11.7 6.0 9.0#

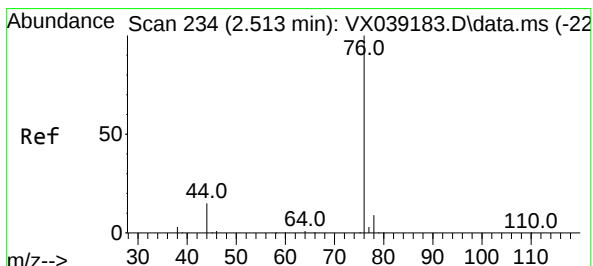
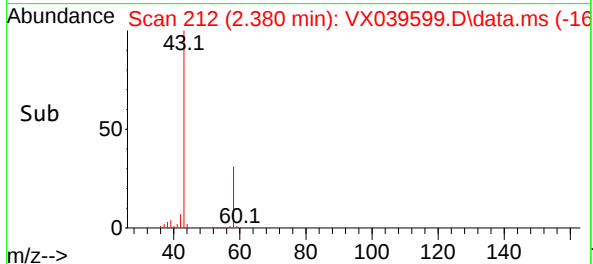
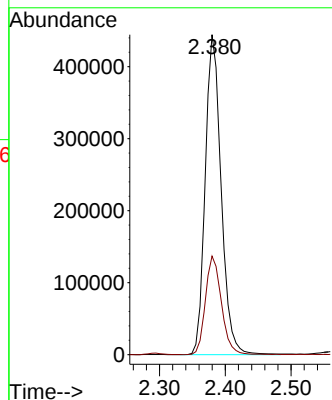
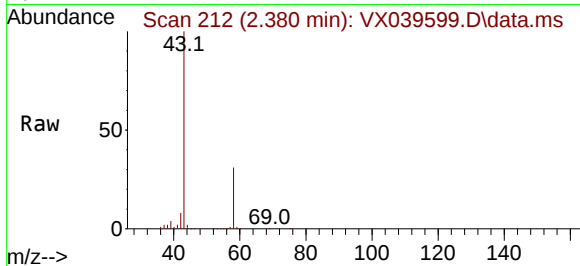




#16
Acetone
Concen: 908.663 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX039599.D
Acq: 03 Jan 2024 14:05

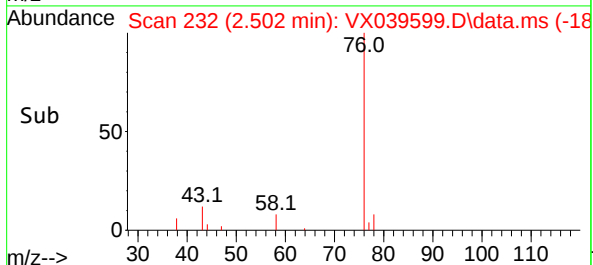
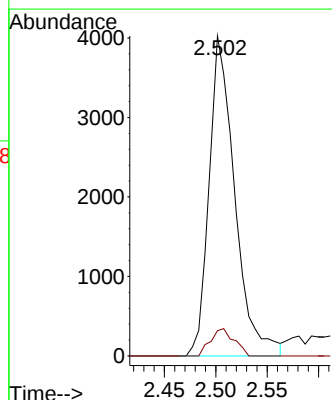
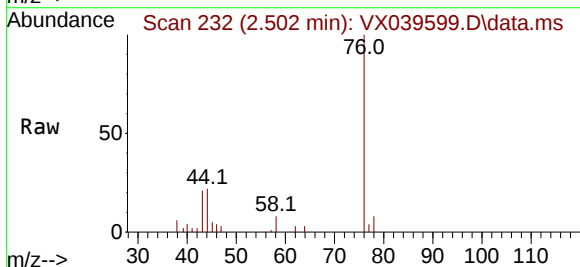
Instrument :
MSVOA_X
ClientSampleId :
1211

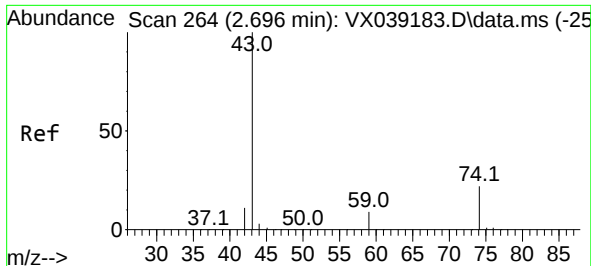
Tgt Ion: 43 Resp: 748806
Ion Ratio Lower Upper
43 100
58 30.8 21.9 32.9



#17
Carbon Disulfide
Concen: 2.194 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.012 min
Lab File: VX039599.D
Acq: 03 Jan 2024 14:05

Tgt Ion: 76 Resp: 7007
Ion Ratio Lower Upper
76 100
78 7.9 7.0 10.6

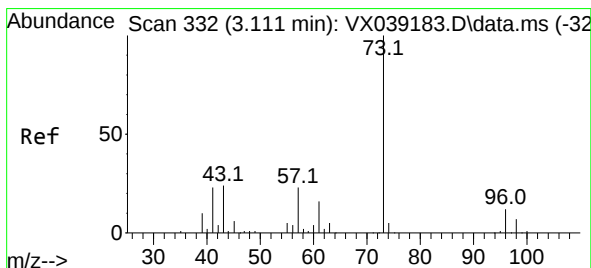
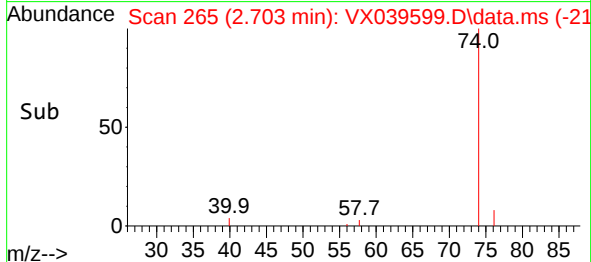
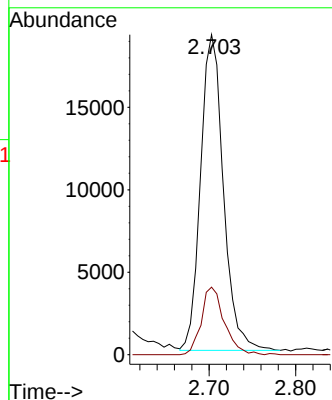
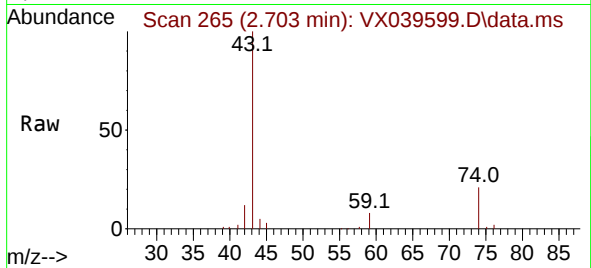




#18
Methyl Acetate
Concen: 10.450 ug/l
RT: 2.703 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX039599.D
Acq: 03 Jan 2024 14:05

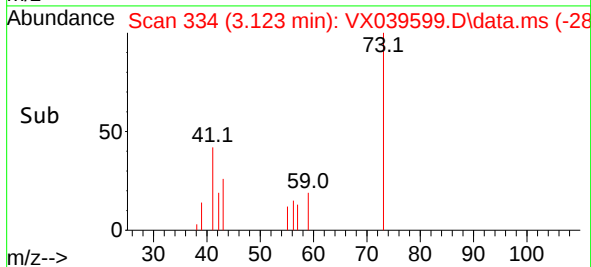
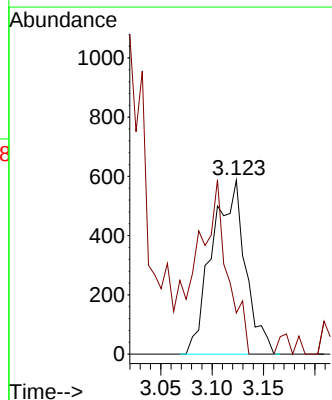
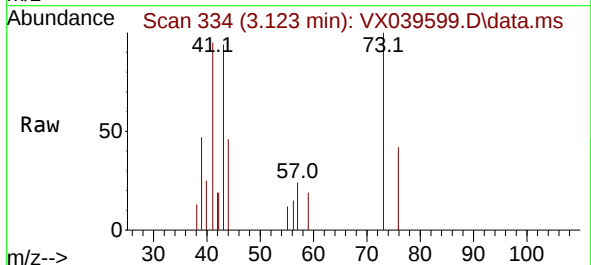
Instrument :
MSVOA_X
ClientSampleId :
1211

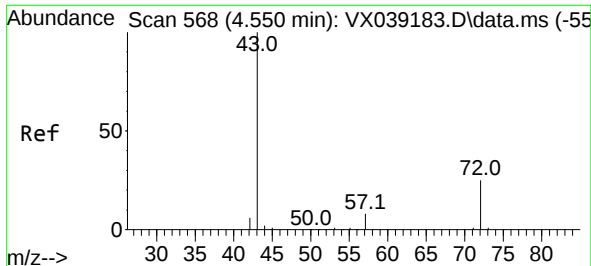
Tgt Ion: 43 Resp: 35145
Ion Ratio Lower Upper
43 100
74 21.4 17.8 26.8



#19
Methyl tert-butyl Ether
Concen: 0.335 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.013 min
Lab File: VX039599.D
Acq: 03 Jan 2024 14:05

Tgt Ion: 73 Resp: 1321
Ion Ratio Lower Upper
73 100
57 13.6 17.3 25.9#

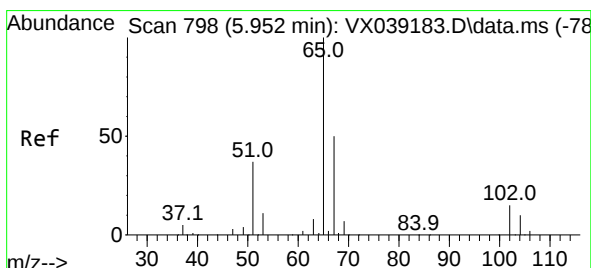
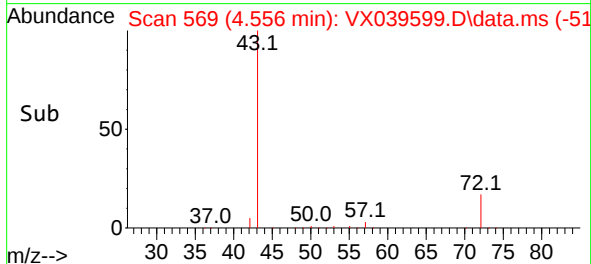
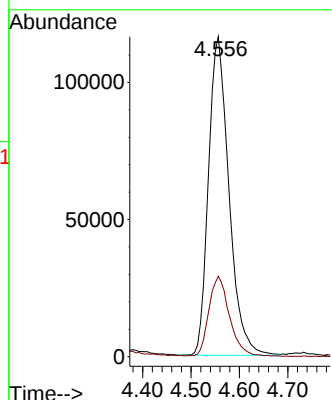
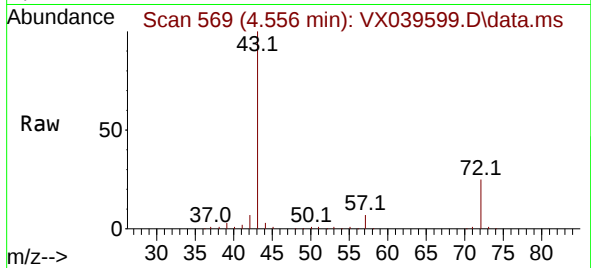




#25
2-Butanone
Concen: 254.282 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX039599.D
Acq: 03 Jan 2024 14:05

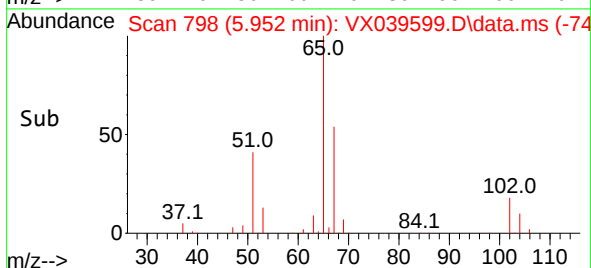
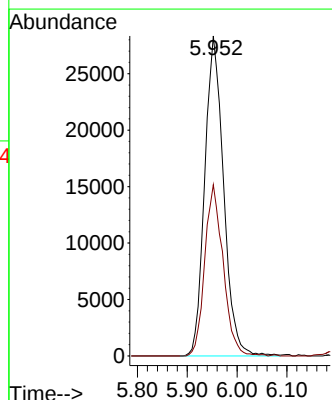
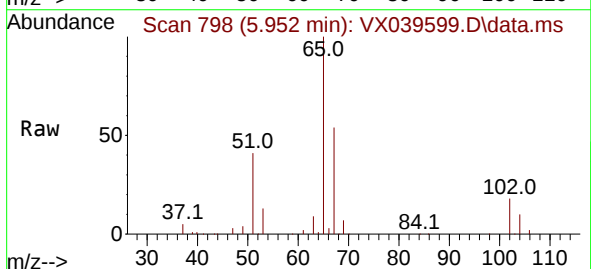
Instrument :
MSVOA_X
ClientSampleId :
1211

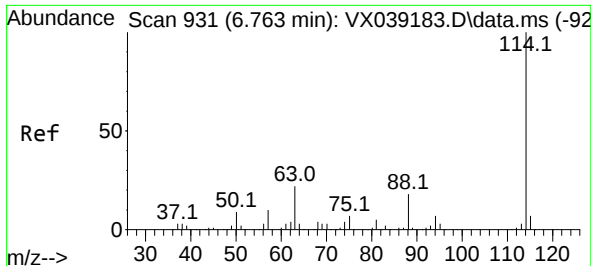
Tgt Ion: 43 Resp: 341171
Ion Ratio Lower Upper
43 100
72 25.1 19.4 29.2



#33
1,2-Dichloroethane-d4
Concen: 48.002 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039599.D
Acq: 03 Jan 2024 14:05

Tgt Ion: 65 Resp: 74635
Ion Ratio Lower Upper
65 100
67 52.1 0.0 100.2

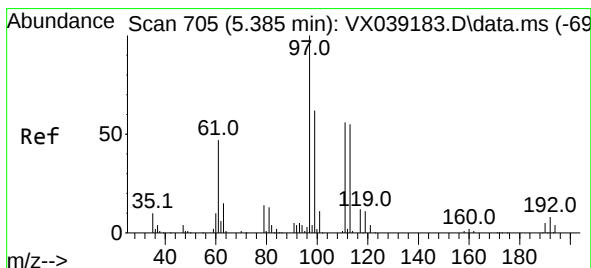
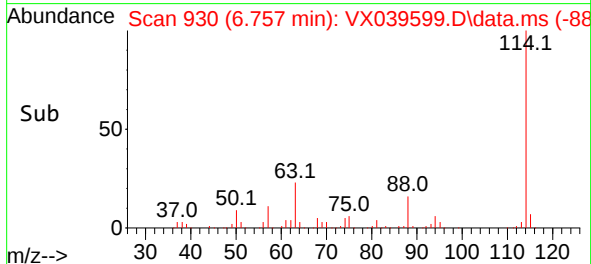
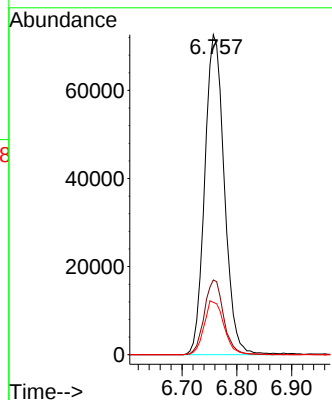
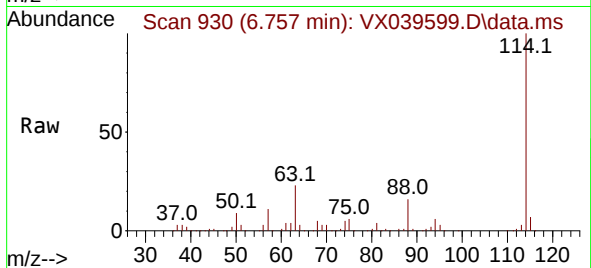




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX039599.D
Acq: 03 Jan 2024 14:05

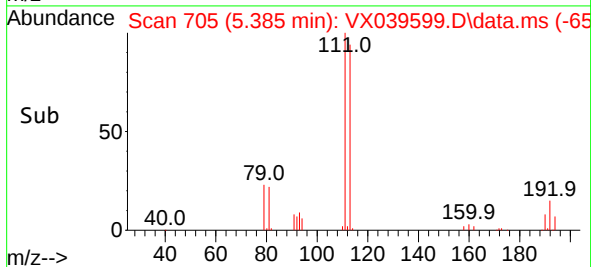
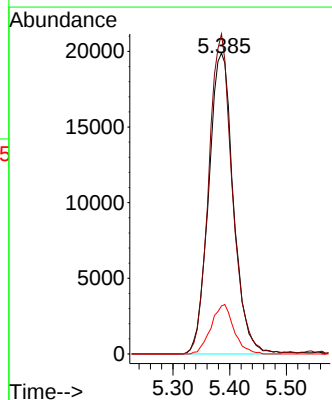
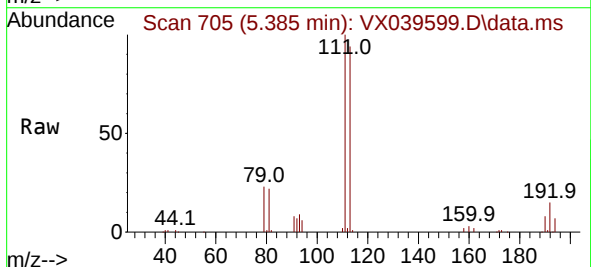
Instrument :
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ClientSampleId :
1211

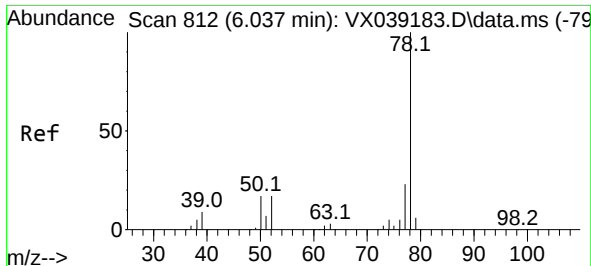
Tgt Ion:114 Resp: 179975
Ion Ratio Lower Upper
114 100
63 23.3 0.0 45.0
88 16.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.243 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039599.D
Acq: 03 Jan 2024 14:05

Tgt Ion:113 Resp: 59983
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 15.2 13.3 19.9





#40

Benzene

Concen: 6.077 ug/l

RT: 6.038 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX039599.D

Acq: 03 Jan 2024 14:05

Instrument :

MSVOA_X

ClientSampleId :

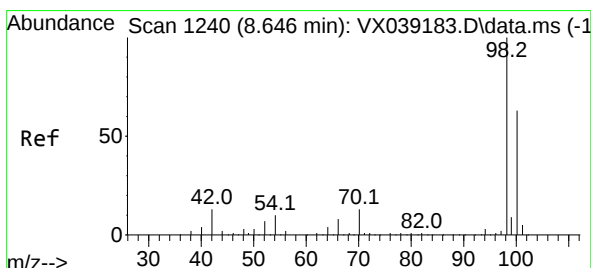
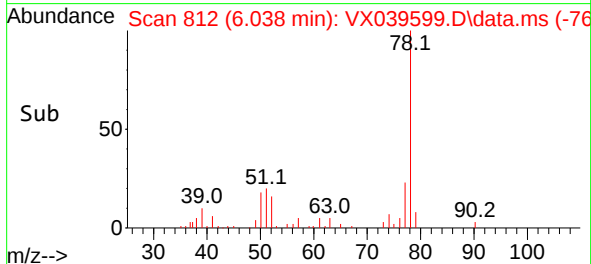
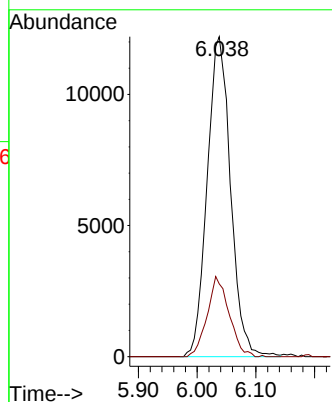
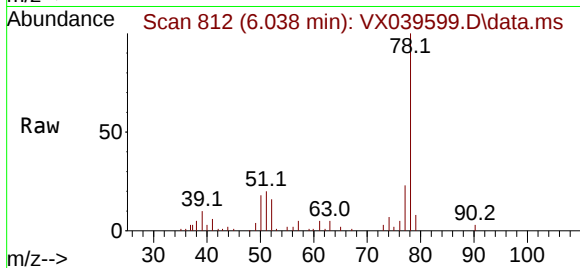
1211

Tgt Ion: 78 Resp: 33726

Ion Ratio Lower Upper

78 100

77 22.7 19.3 28.9



#50

Toluene-d8

Concen: 49.562 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX039599.D

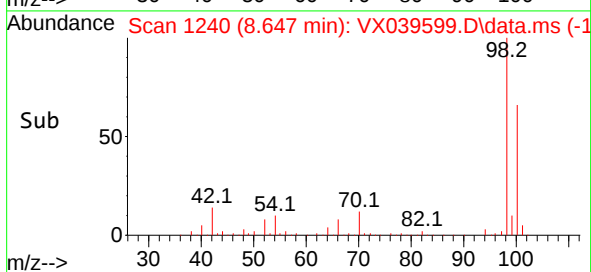
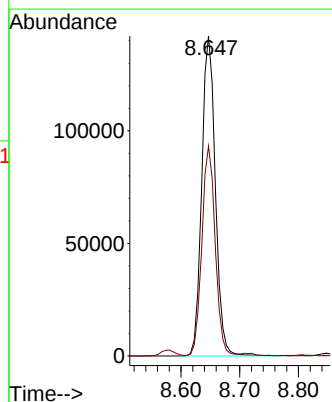
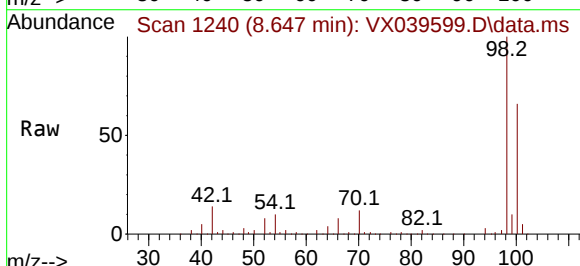
Acq: 03 Jan 2024 14:05

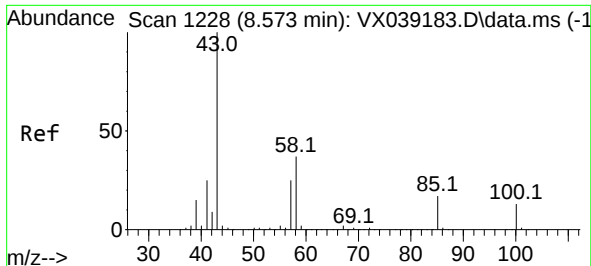
Tgt Ion: 98 Resp: 228777

Ion Ratio Lower Upper

98 100

100 63.8 53.1 79.7

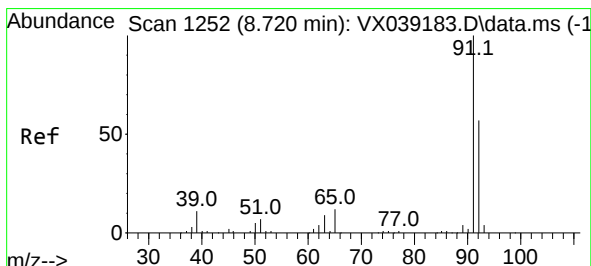
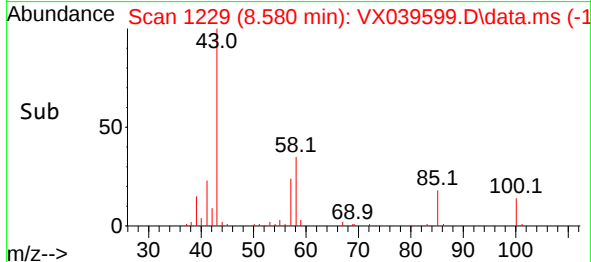
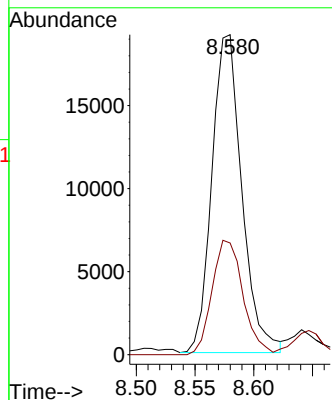
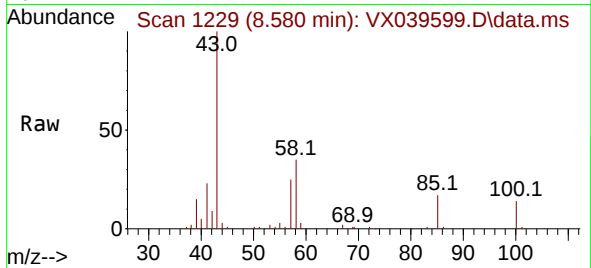




#51
4-Methyl-2-Pentanone
Concen: 13.513 ug/l
RT: 8.580 min Scan# 1211
Delta R.T. 0.006 min
Lab File: VX039599.D
Acq: 03 Jan 2024 14:05

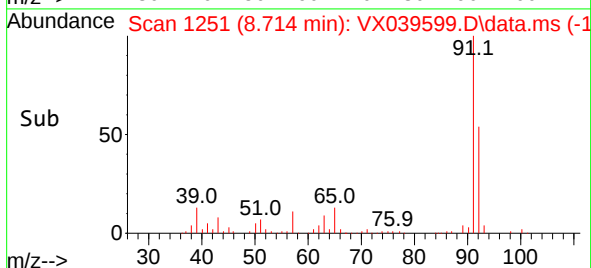
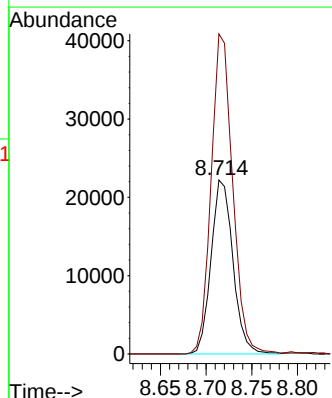
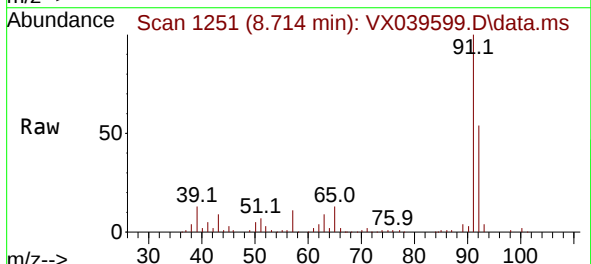
Instrument :
MSVOA_X
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1211

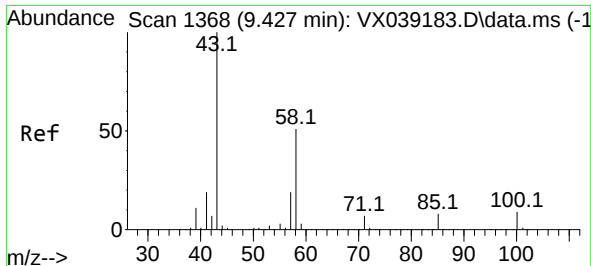
Tgt Ion: 43 Resp: 33937
Ion Ratio Lower Upper
43 100
58 37.1 30.4 45.6



#52
Toluene
Concen: 11.051 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX039599.D
Acq: 03 Jan 2024 14:05

Tgt Ion: 92 Resp: 37020
Ion Ratio Lower Upper
92 100
91 180.6 134.2 201.2





#59

2-Hexanone

Concen: 15.088 ug/l

RT: 9.433 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039599.D

Acq: 03 Jan 2024 14:05

Instrument :

MSVOA_X

ClientSampleId :

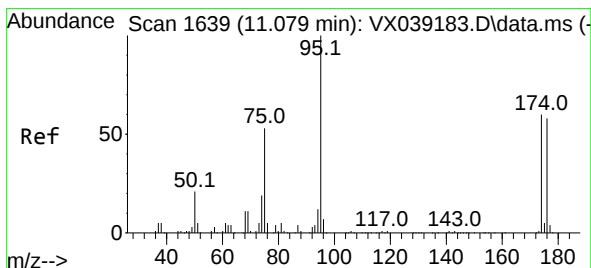
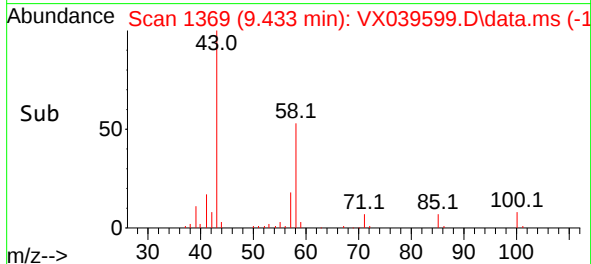
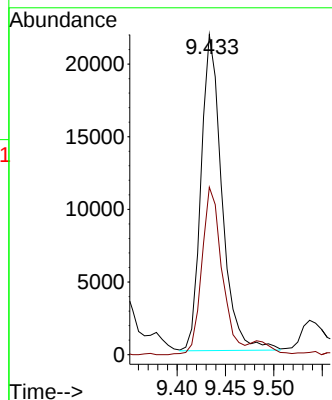
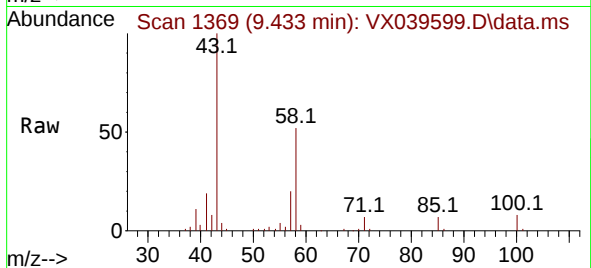
1211

Tgt Ion: 43 Resp: 32703

Ion Ratio Lower Upper

43 100

58 51.5 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 52.512 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX039599.D

Acq: 03 Jan 2024 14:05

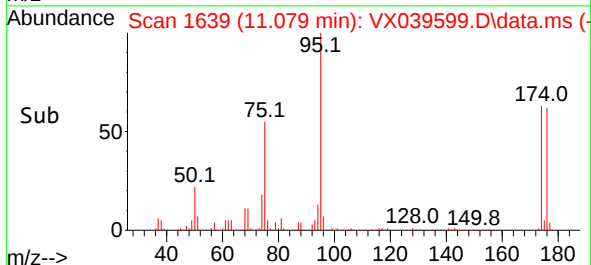
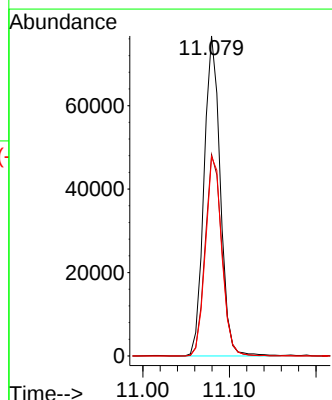
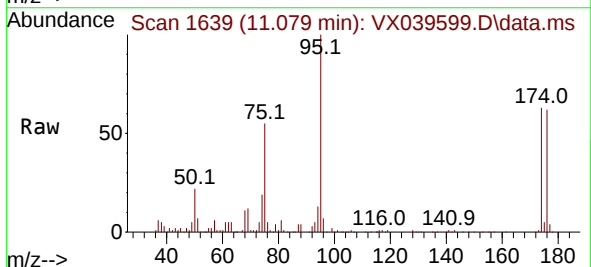
Tgt Ion: 95 Resp: 100011

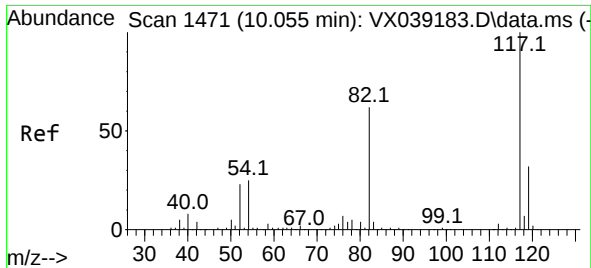
Ion Ratio Lower Upper

95 100

174 64.3 0.0 135.6

176 62.7 0.0 131.0

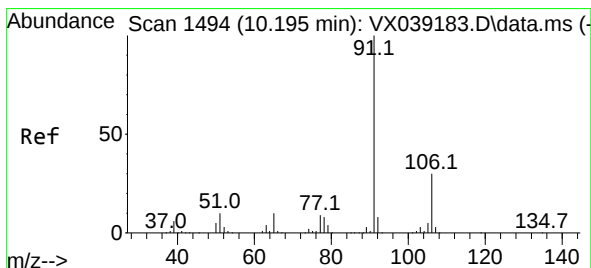
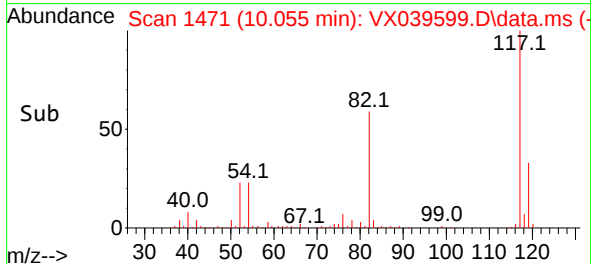
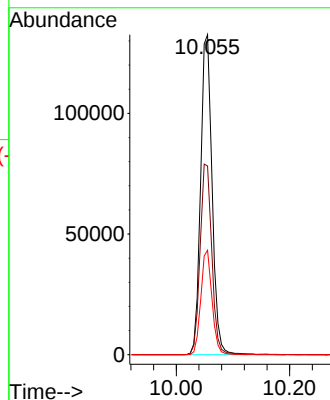
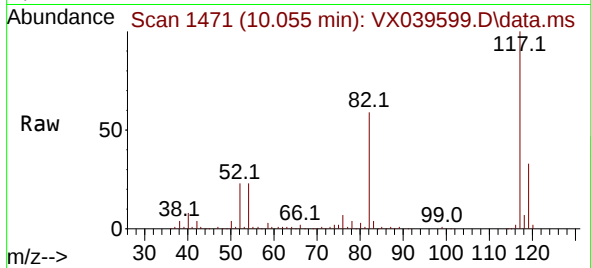




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039599.D
Acq: 03 Jan 2024 14:05

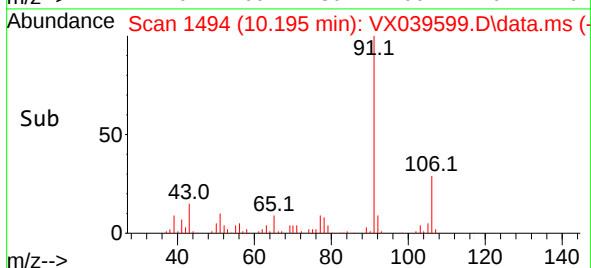
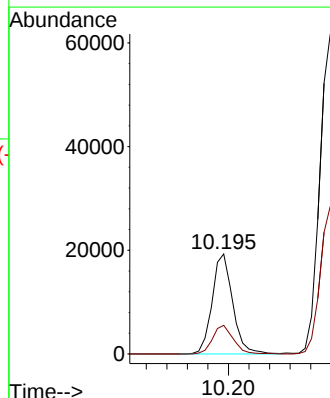
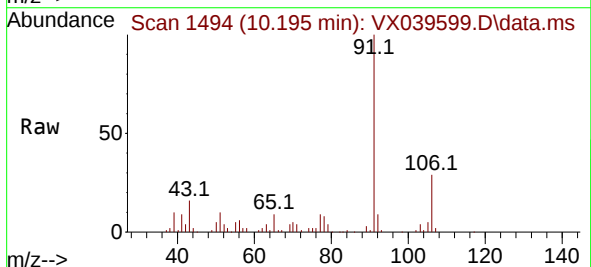
Instrument :
MSVOA_X
ClientSampleId :
1211

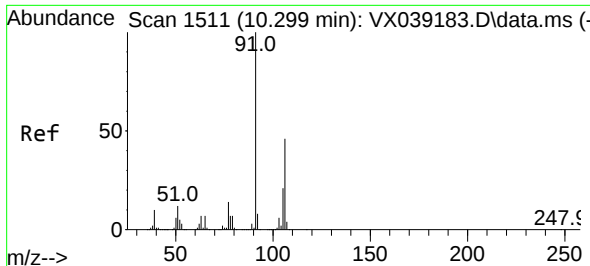
Tgt Ion:117 Resp: 186375
Ion Ratio Lower Upper
117 100
82 58.9 46.2 69.4
119 32.7 25.5 38.3



#67
Ethyl Benzene
Concen: 3.532 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX039599.D
Acq: 03 Jan 2024 14:05

Tgt Ion: 91 Resp: 26744
Ion Ratio Lower Upper
91 100
106 28.6 24.9 37.3

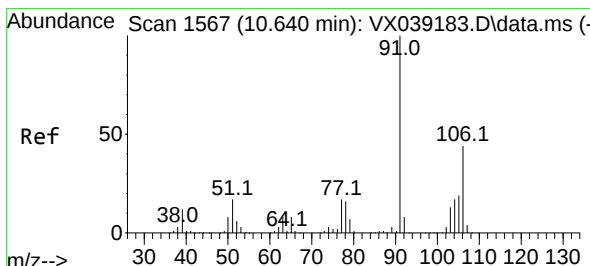
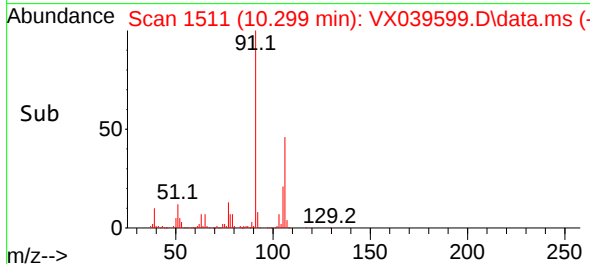
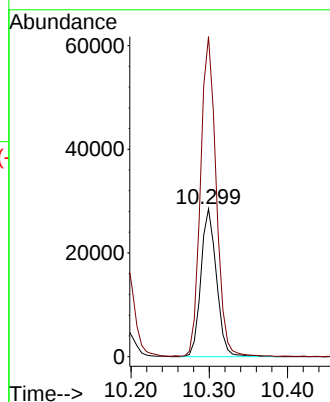
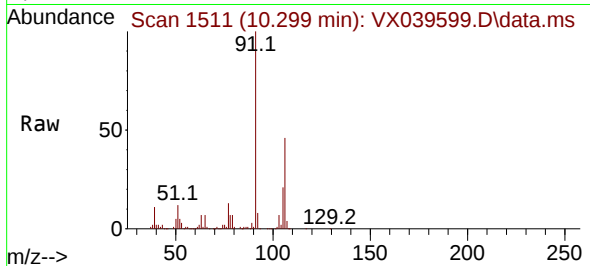




#68
m/p-Xylenes
Concen: 14.524 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX039599.D
Acq: 03 Jan 2024 14:05

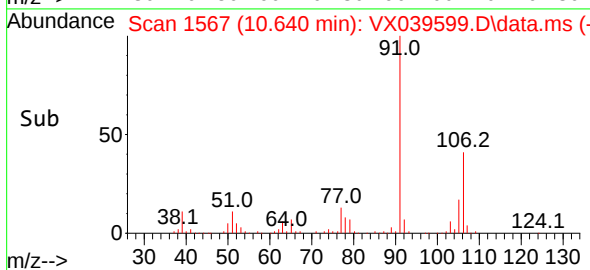
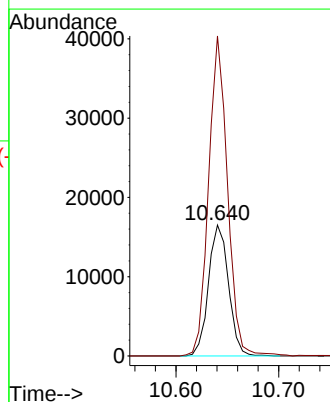
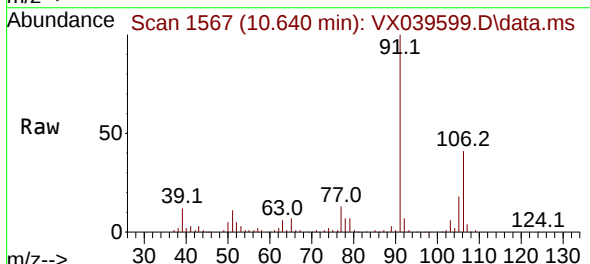
Instrument :
MSVOA_X
ClientSampleId :
1211

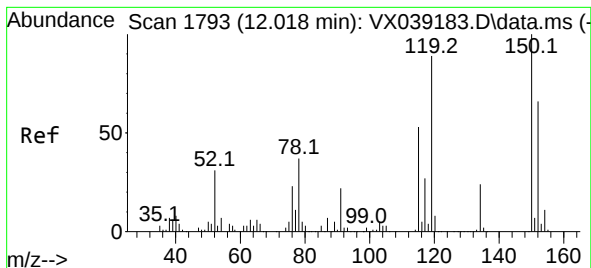
Tgt Ion:106 Resp: 39434
Ion Ratio Lower Upper
106 100
91 217.5 165.5 248.3



#69
o-Xylene
Concen: 8.523 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX039599.D
Acq: 03 Jan 2024 14:05

Tgt Ion:106 Resp: 22373
Ion Ratio Lower Upper
106 100
91 230.4 108.9 326.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039599.D

Acq: 03 Jan 2024 14:05

Instrument :

MSVOA_X

ClientSampleId :

1211

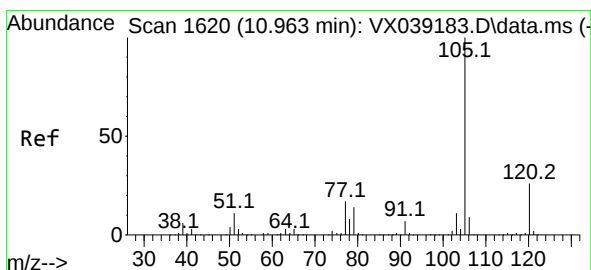
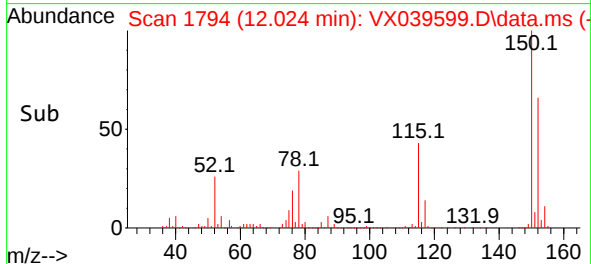
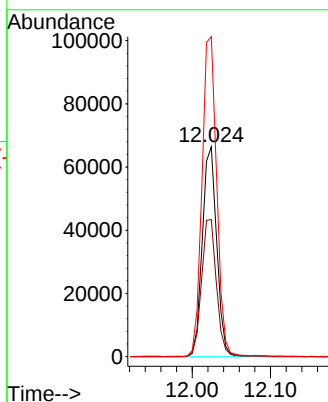
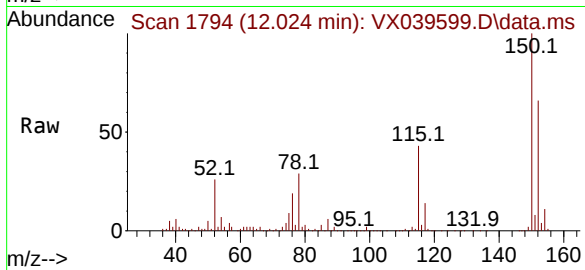
Tgt Ion:152 Resp: 84558

Ion Ratio Lower Upper

152 100

115 67.6 43.3 129.9

150 156.1 0.0 345.0



#73

Isopropylbenzene

Concen: 0.256 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX039599.D

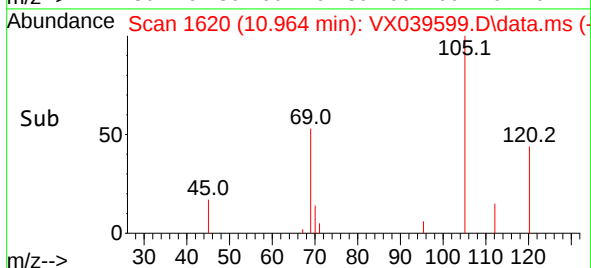
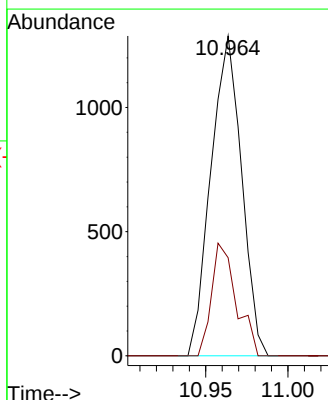
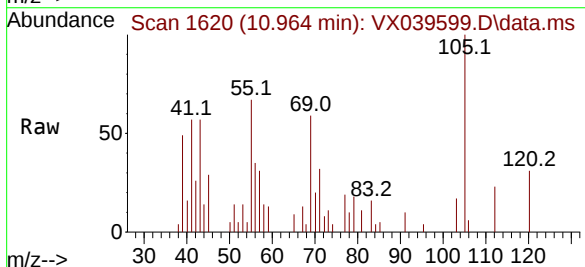
Acq: 03 Jan 2024 14:05

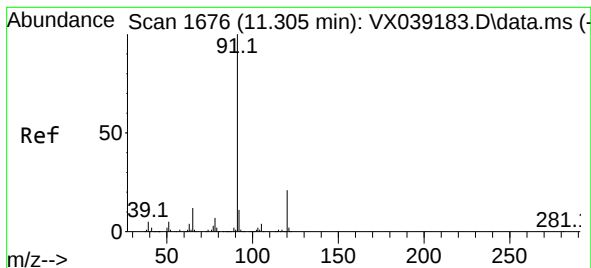
Tgt Ion:105 Resp: 1671

Ion Ratio Lower Upper

105 100

120 28.4 12.9 38.6





#78

n-propylbenzene

Concen: 0.383 ug/l

RT: 11.305 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039599.D

Acq: 03 Jan 2024 14:05

Instrument :

MSVOA_X

ClientSampleId :

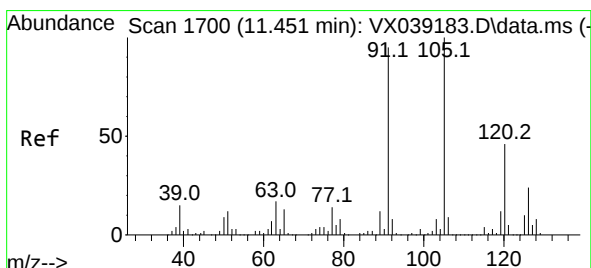
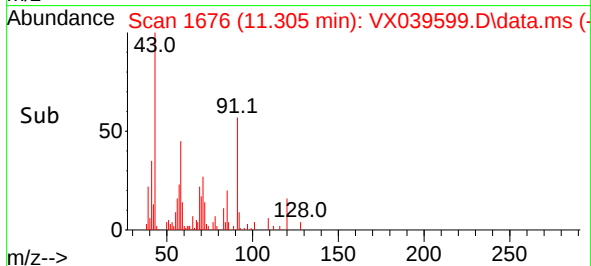
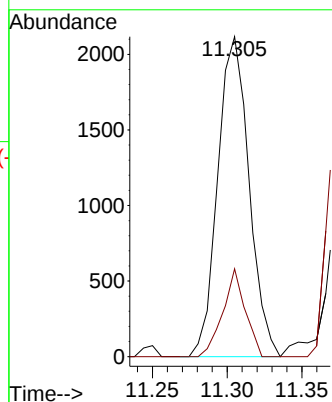
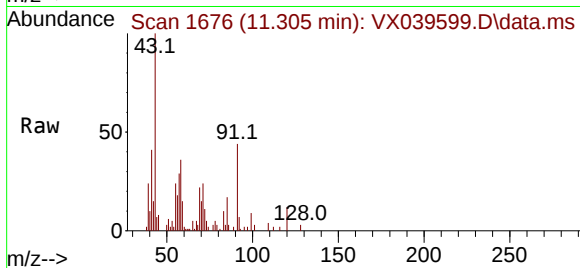
1211

Tgt Ion: 91 Resp: 3078

Ion Ratio Lower Upper

91 100

120 19.6 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 0.971 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039599.D

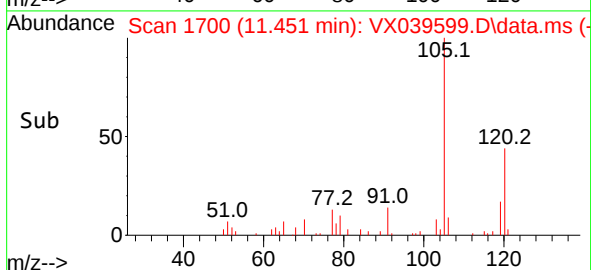
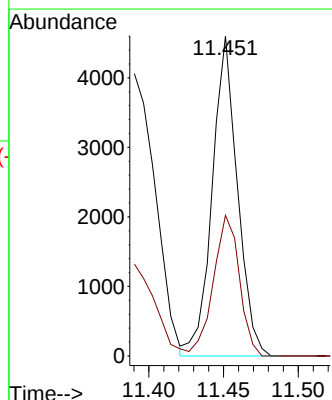
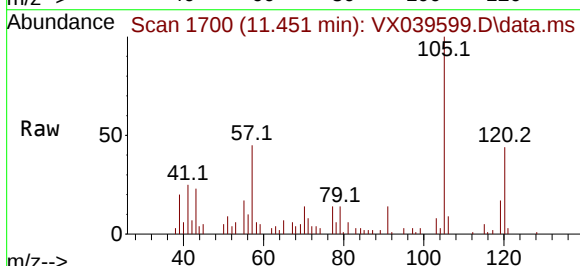
Acq: 03 Jan 2024 14:05

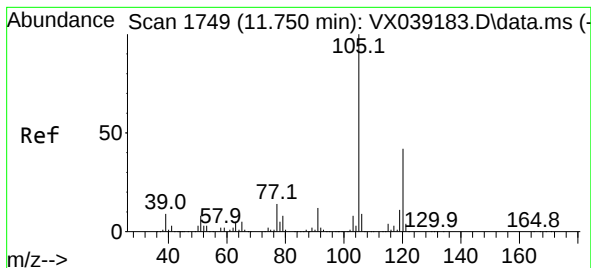
Tgt Ion: 105 Resp: 5394

Ion Ratio Lower Upper

105 100

120 45.1 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 3.583 ug/l

RT: 11.750 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039599.D

Acq: 03 Jan 2024 14:05

Instrument :

MSVOA_X

ClientSampleId :

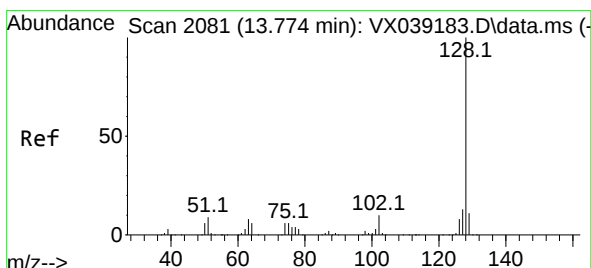
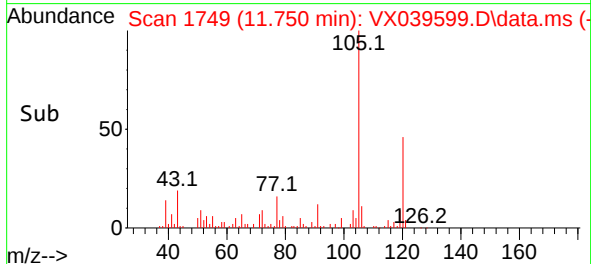
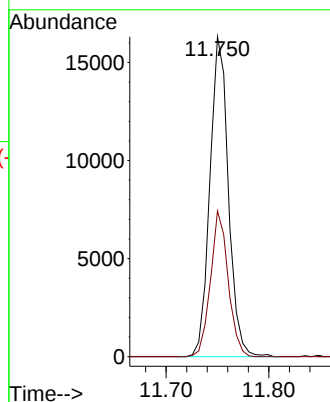
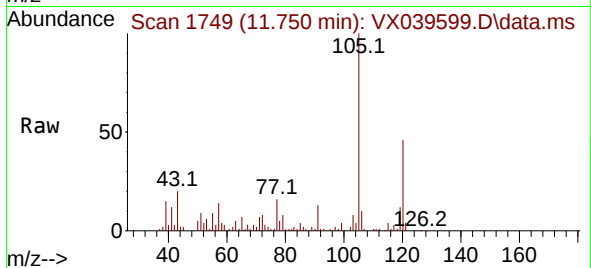
1211

Tgt Ion:105 Resp: 20423

Ion Ratio Lower Upper

105 100

120 43.5 21.2 63.6



#95

Naphthalene

Concen: 5.046 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX039599.D

Acq: 03 Jan 2024 14:05

Tgt Ion:128 Resp: 31206

Ion Ratio Lower Upper

128 100

127 14.6 10.3 15.5

129 11.6 8.8 13.2

