

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092023\
 Data File : VX037836.D
 Acq On : 20 Sep 2023 16:39
 Operator : JC/MD
 Sample : 04511-02 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50095

Quant Time: Sep 21 05:58:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

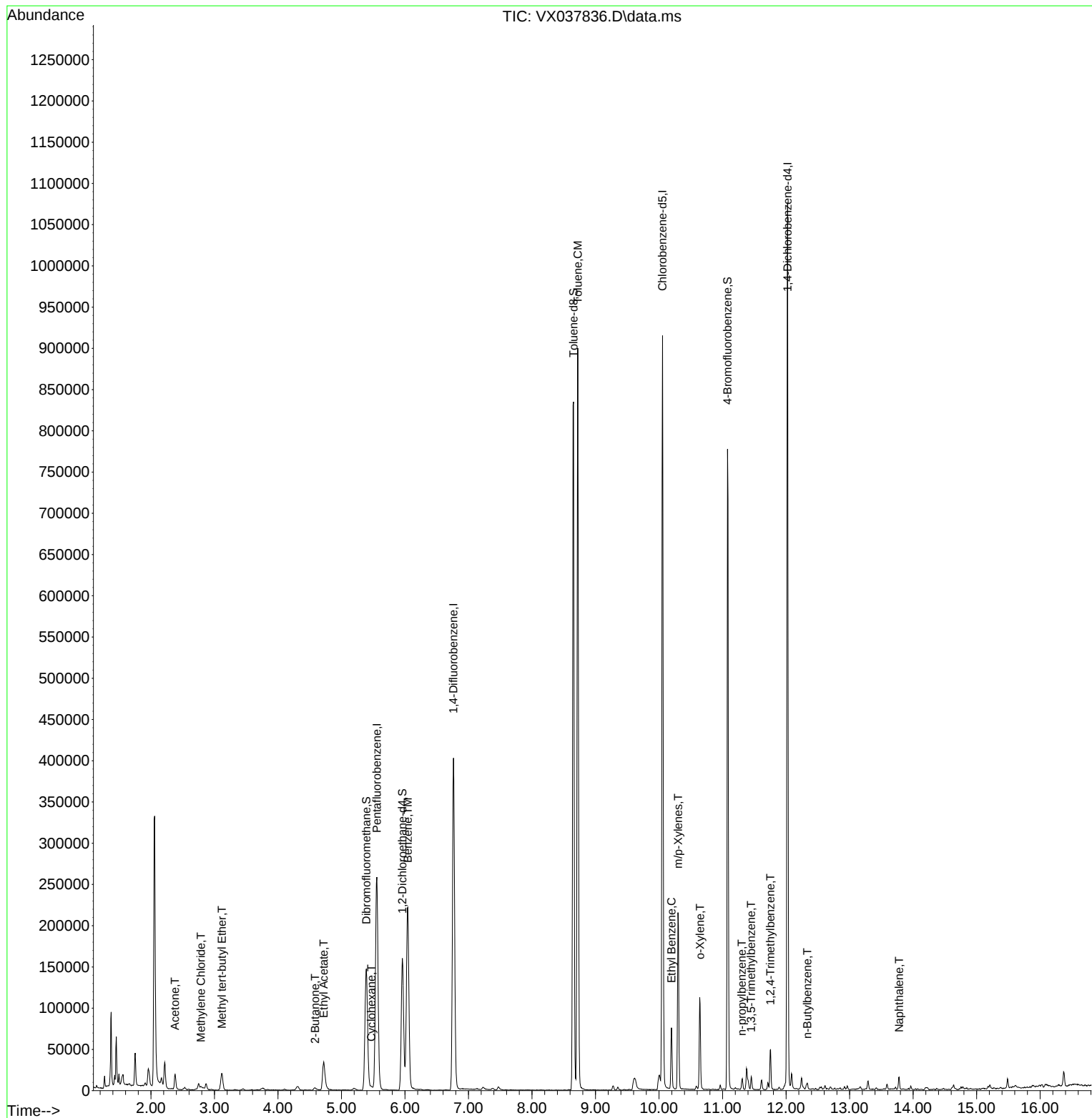
Internal Standards						
1) Pentafluorobenzene	5.556	168	252218	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	423524	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	414680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	220801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	152450	46.005	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.020%
35) Dibromofluoromethane	5.391	113	129422	45.670	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.340%
50) Toluene-d8	8.653	98	518547	49.248	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.500%
62) 4-Bromofluorobenzene	11.079	95	201257	52.600	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.200%
Target Compounds						
						Qvalue
16) Acetone	2.380	43	19557	12.268	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	22070	2.438	ug/l	97
20) Methylene Chloride	2.788	84	1656	0.537	ug/l	# 81
25) 2-Butanone	4.587	43	5422	2.410	ug/l	# 85
31) Cyclohexane	5.471	56	2385	0.561	ug/l	# 80
37) Ethyl Acetate	4.721	43	59639	13.897	ug/l	95
40) Benzene	6.044	78	277960	23.155	ug/l	99
52) Toluene	8.720	92	330342	42.699	ug/l	95
67) Ethyl Benzene	10.195	91	43596	2.811	ug/l	97
68) m/p-Xylenes	10.299	106	50808	8.479	ug/l	98
69) o-Xylene	10.646	106	24936	4.150	ug/l	96
78) n-propylbenzene	11.305	91	5573	0.305	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	5795	0.424	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	22861	1.680	ug/l	96
89) n-Butylbenzene	12.335	91	2687	0.219	ug/l	# 85
95) Naphthalene	13.780	128	10553	0.694	ug/l	99

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

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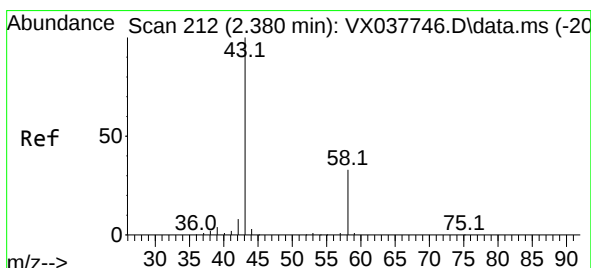
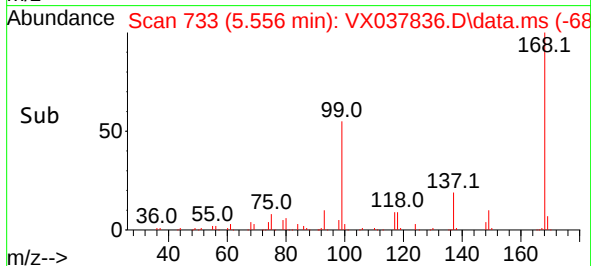
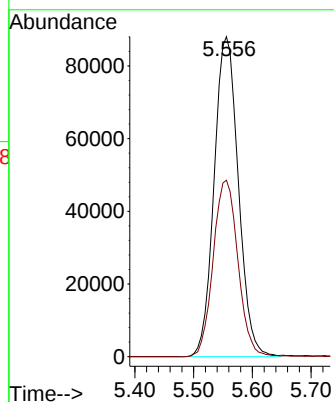
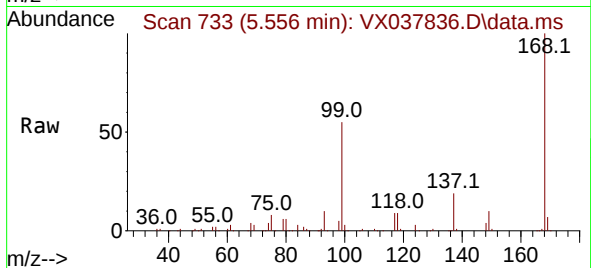




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037836.D
Acq: 20 Sep 2023 16:39

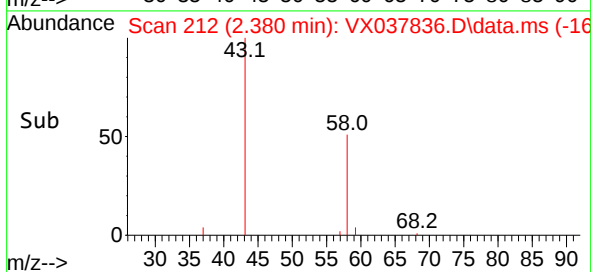
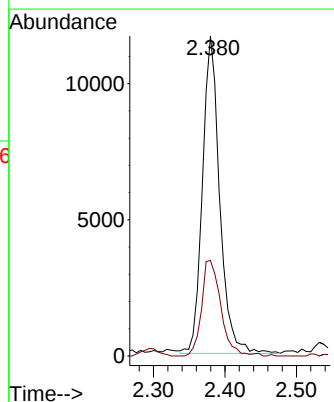
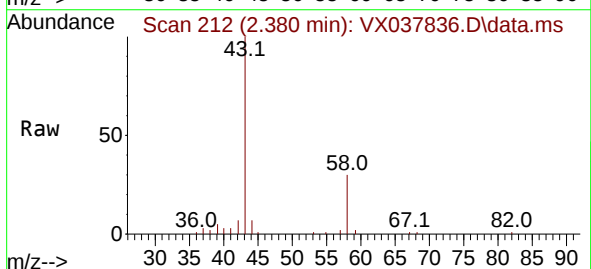
Instrument :
MSVOA_X
ClientSampleId :
50095

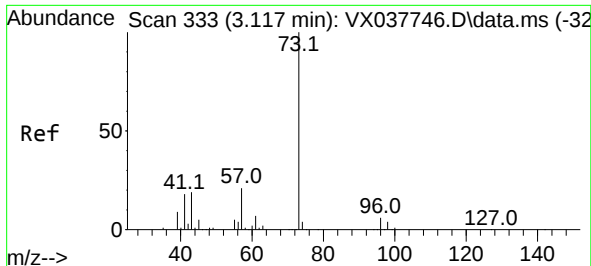
Tgt Ion:168 Resp: 252218
Ion Ratio Lower Upper
168 100
99 55.2 56.6 85.0#



#16
Acetone
Concen: 12.268 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX037836.D
Acq: 20 Sep 2023 16:39

Tgt Ion: 43 Resp: 19557
Ion Ratio Lower Upper
43 100
58 30.1 21.9 32.9





#19

Methyl tert-butyl Ether

Concen: 2.438 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX037836.D

Acq: 20 Sep 2023 16:39

Instrument :

MSVOA_X

ClientSampleId :

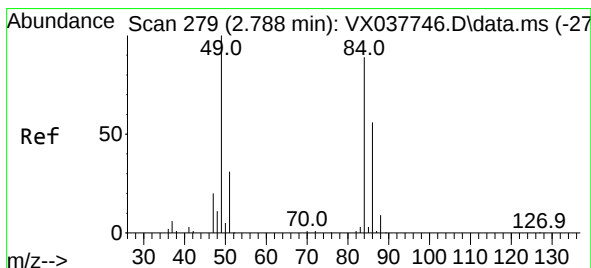
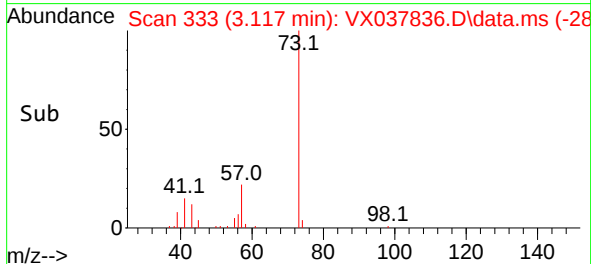
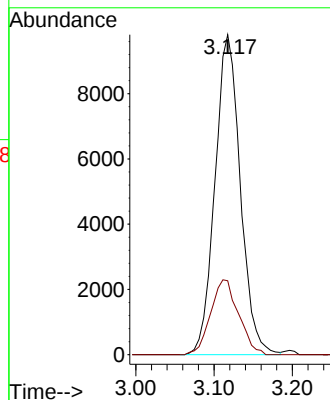
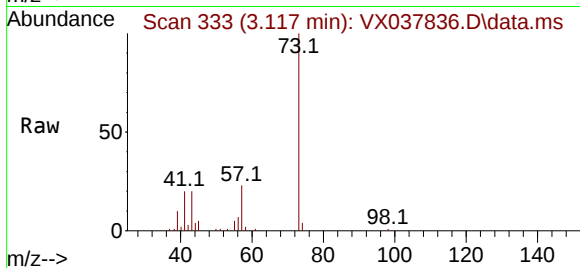
50095

Tgt Ion: 73 Resp: 22070

Ion Ratio Lower Upper

73 100

57 23.1 17.3 25.9



#20

Methylene Chloride

Concen: 0.537 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037836.D

Acq: 20 Sep 2023 16:39

Tgt Ion: 84 Resp: 1656

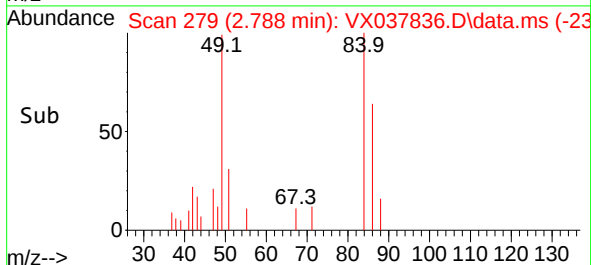
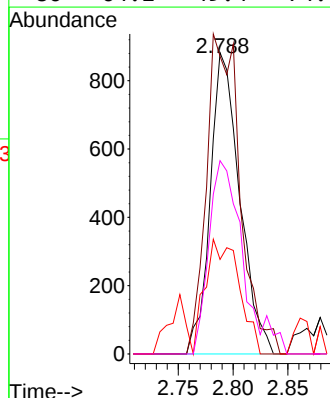
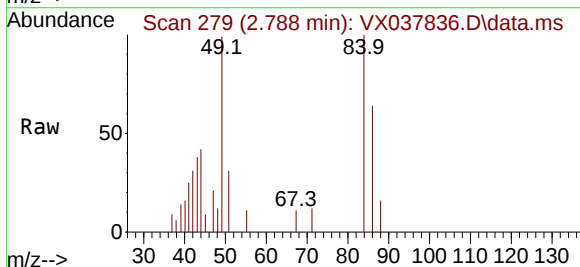
Ion Ratio Lower Upper

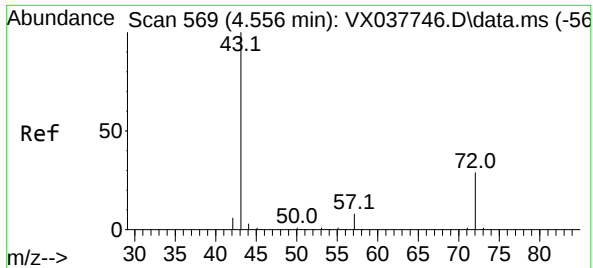
84 100

49 98.9 103.6 155.4#

51 31.4 33.8 50.6#

86 64.2 49.4 74.0





#25

2-Butanone

Concen: 2.410 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX037836.D

Acq: 20 Sep 2023 16:39

Instrument :

MSVOA_X

ClientSampleId :

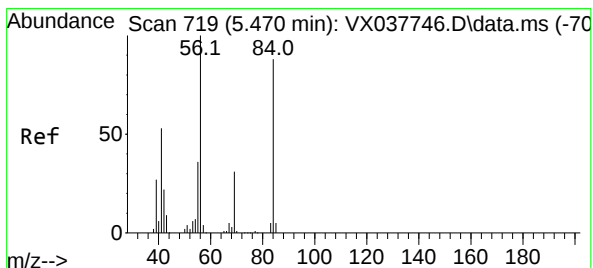
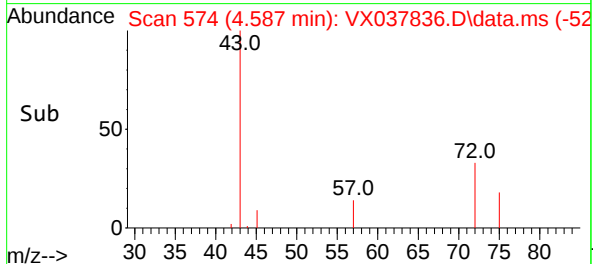
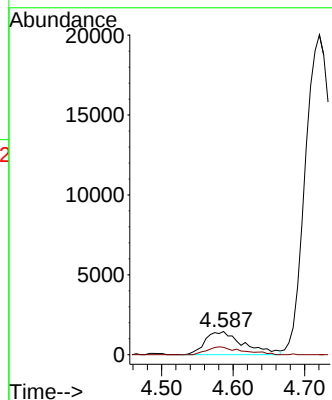
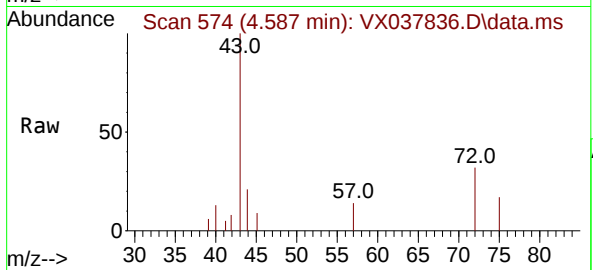
50095

Tgt Ion: 43 Resp: 5422

Ion Ratio Lower Upper

43 100

72 31.7 19.4 29.2#



#31

Cyclohexane

Concen: 0.561 ug/l

RT: 5.471 min Scan# 719

Delta R.T. 0.000 min

Lab File: VX037836.D

Acq: 20 Sep 2023 16:39

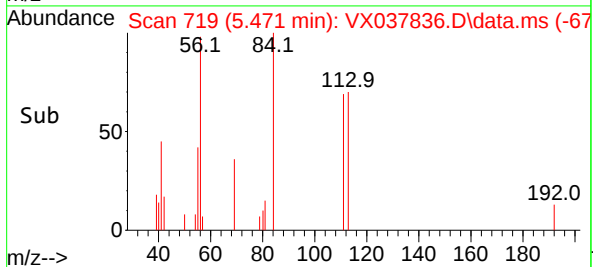
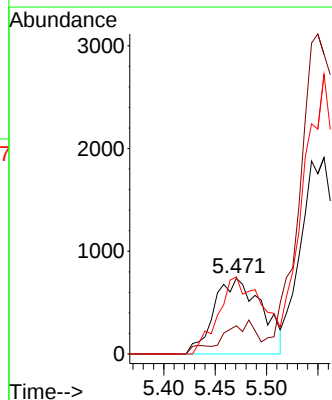
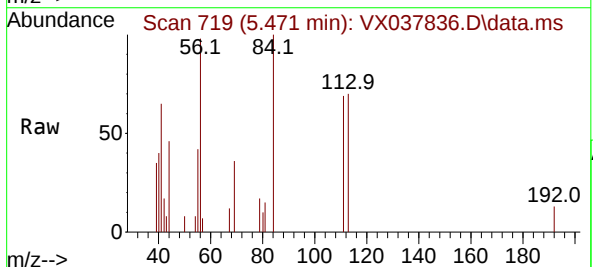
Tgt Ion: 56 Resp: 2385

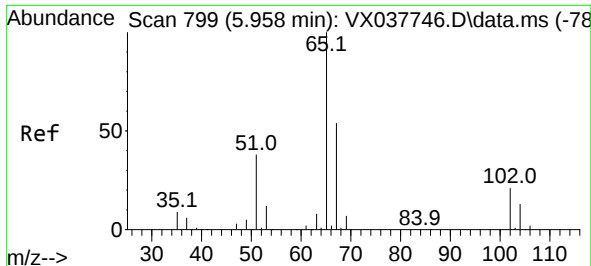
Ion Ratio Lower Upper

56 100

69 37.2 23.4 35.2#

84 101.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.005 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037836.D

Acq: 20 Sep 2023 16:39

Instrument :

MSVOA_X

ClientSampleId :

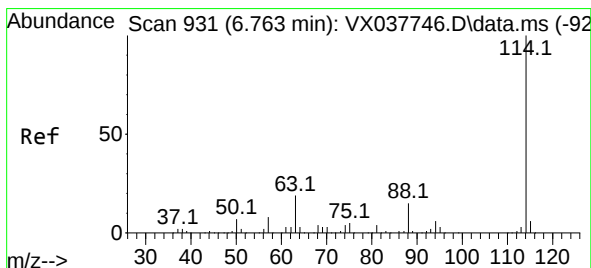
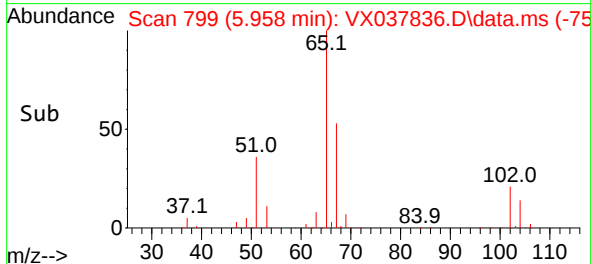
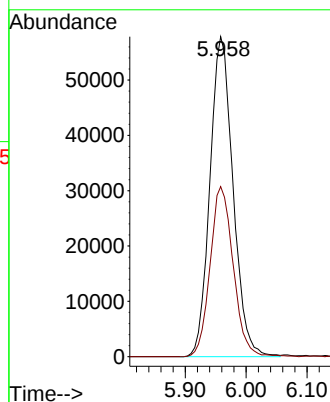
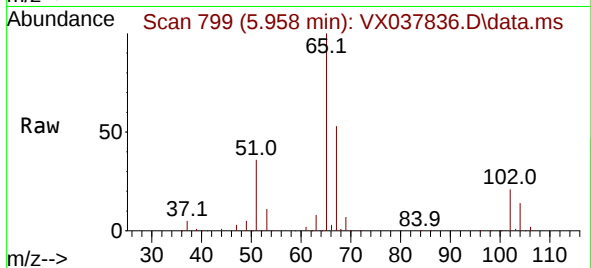
50095

Tgt Ion: 65 Resp: 152450

Ion Ratio Lower Upper

65 100

67 53.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037836.D

Acq: 20 Sep 2023 16:39

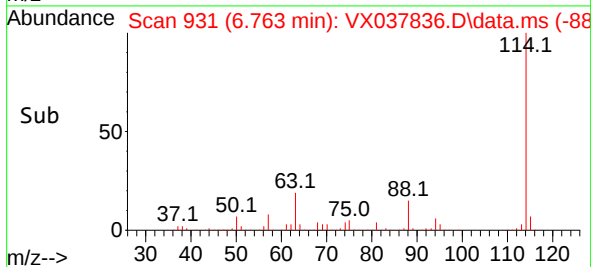
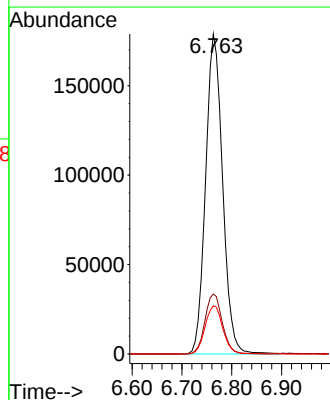
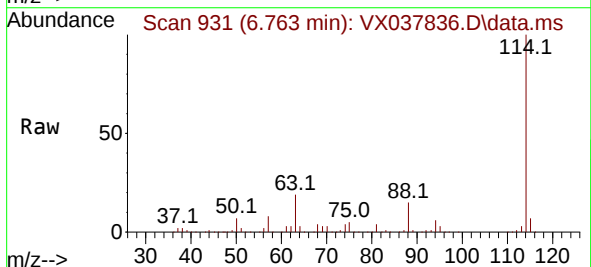
Tgt Ion: 114 Resp: 423524

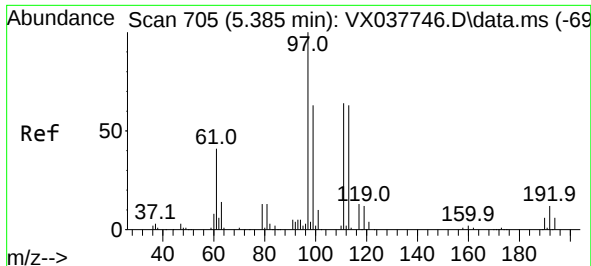
Ion Ratio Lower Upper

114 100

63 18.7 0.0 45.0

88 15.1 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.670 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX037836.D

Acq: 20 Sep 2023 16:39

Instrument :

MSVOA_X

ClientSampleId :

50095

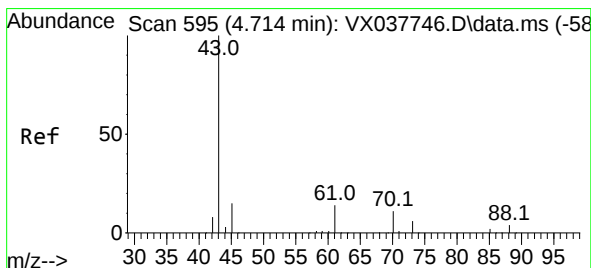
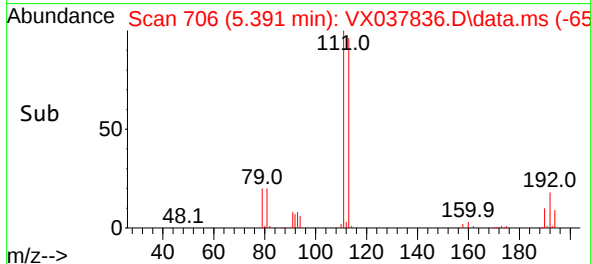
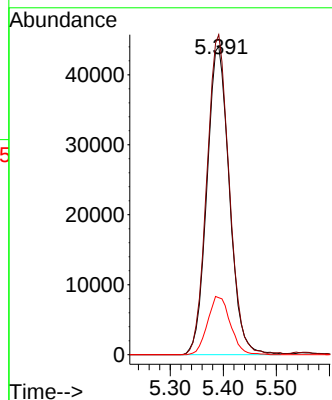
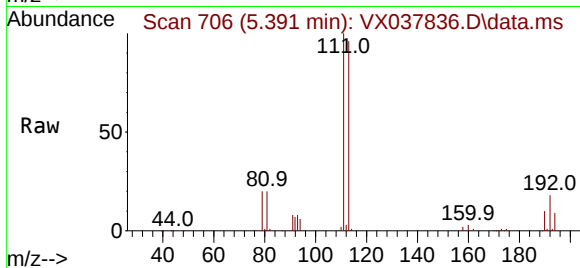
Tgt Ion:113 Resp: 129422

Ion Ratio Lower Upper

113 100

111 103.5 82.9 124.3

192 19.1 13.3 19.9



#37

Ethyl Acetate

Concen: 13.897 ug/l

RT: 4.721 min Scan# 596

Delta R.T. -0.012 min

Lab File: VX037836.D

Acq: 20 Sep 2023 16:39

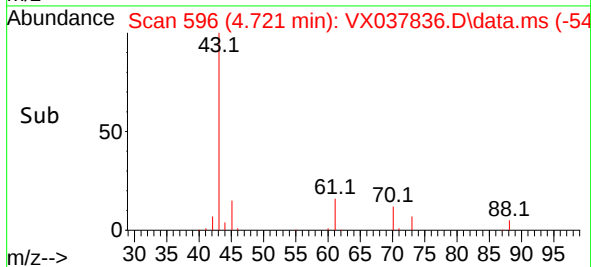
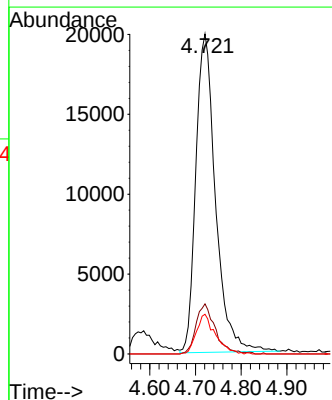
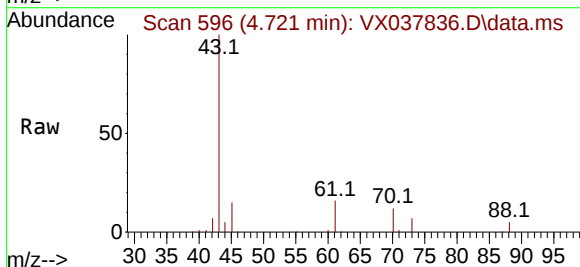
Tgt Ion: 43 Resp: 59639

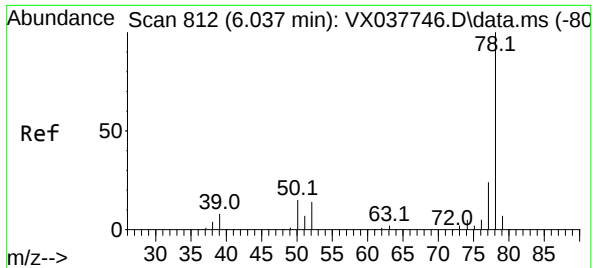
Ion Ratio Lower Upper

43 100

61 15.4 10.6 16.0

70 12.0 8.3 12.5

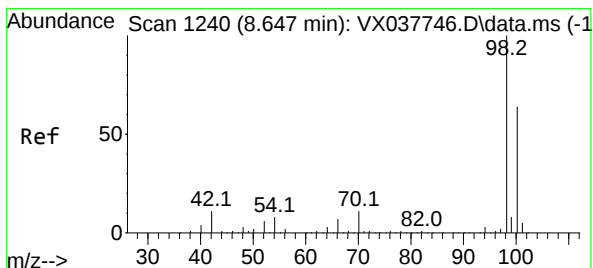
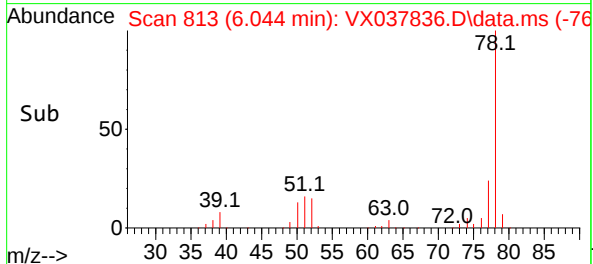
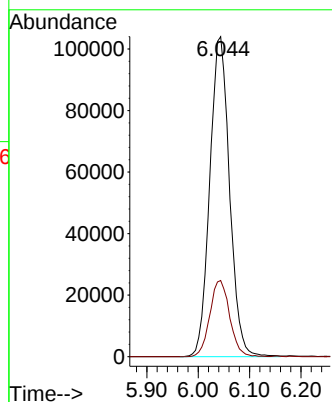
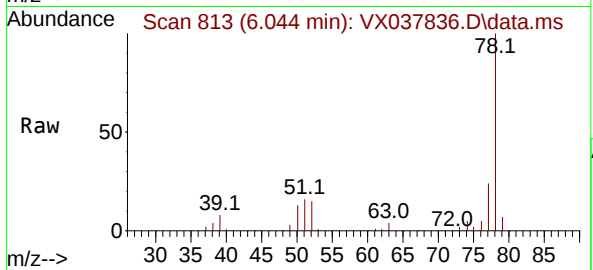




#40
Benzene
Concen: 23.155 ug/l
RT: 6.044 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX037836.D
Acq: 20 Sep 2023 16:39

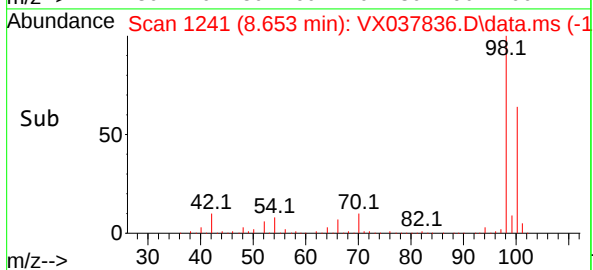
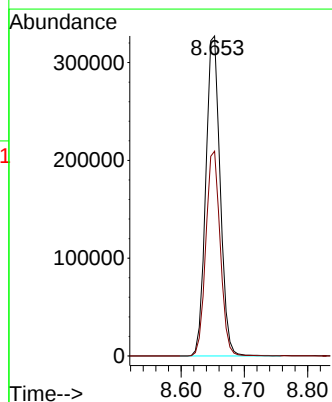
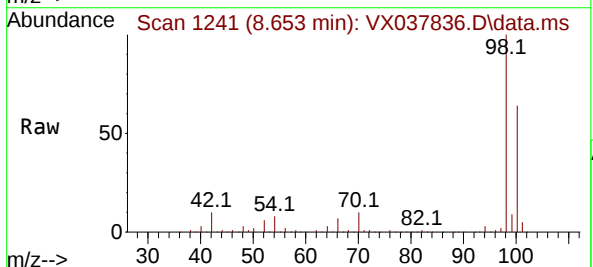
Instrument :
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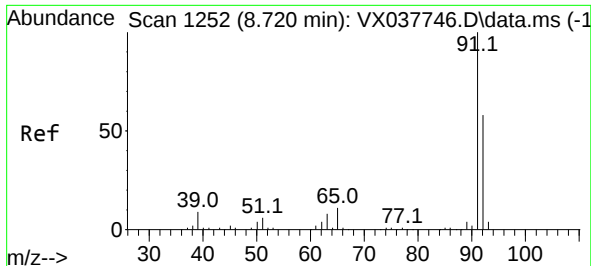
Tgt Ion: 78 Resp: 277960
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9



#50
Toluene-d8
Concen: 49.248 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX037836.D
Acq: 20 Sep 2023 16:39

Tgt Ion: 98 Resp: 518547
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7

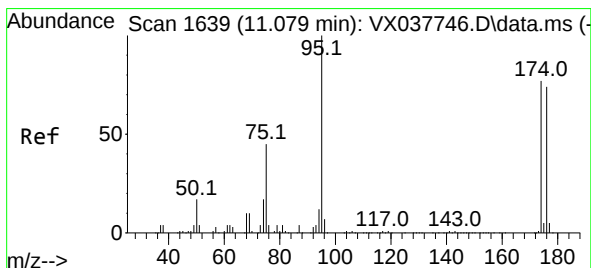
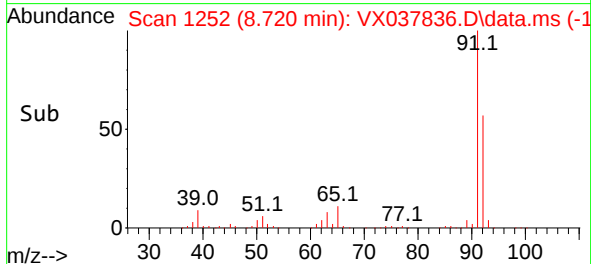
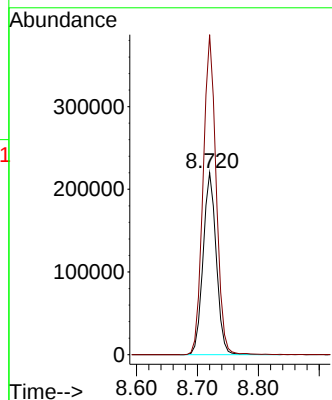
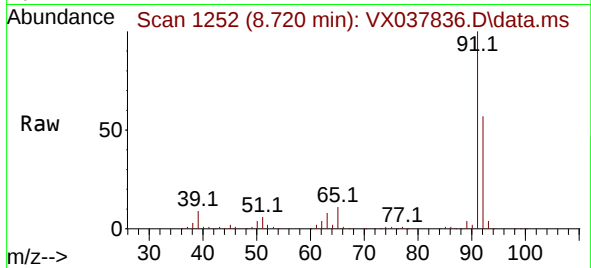




#52
Toluene
Concen: 42.699 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037836.D
Acq: 20 Sep 2023 16:39

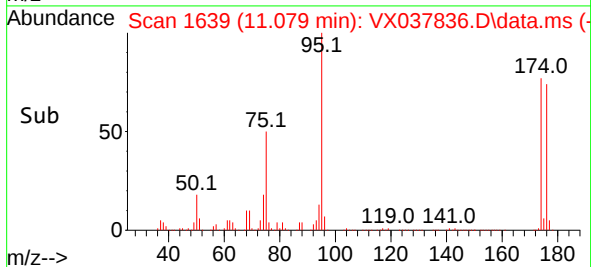
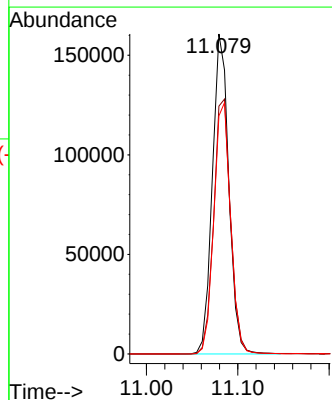
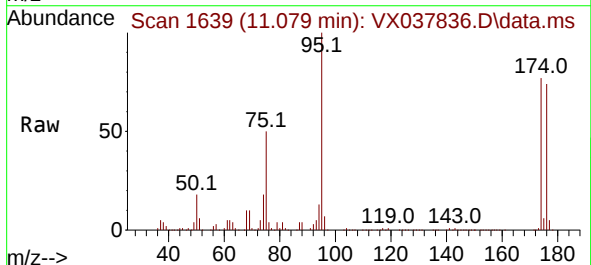
Instrument :
MSVOA_X
ClientSampleId :
50095

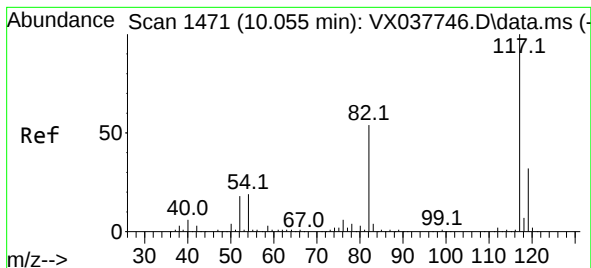
Tgt Ion: 92 Resp: 330342
Ion Ratio Lower Upper
92 100
91 174.7 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 52.600 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037836.D
Acq: 20 Sep 2023 16:39

Tgt Ion: 95 Resp: 201257
Ion Ratio Lower Upper
95 100
174 82.2 0.0 135.6
176 80.1 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: VX037836.D

Acq: 20 Sep 2023 16:39

Instrument :

MSVOA_X

ClientSampleId :

50095

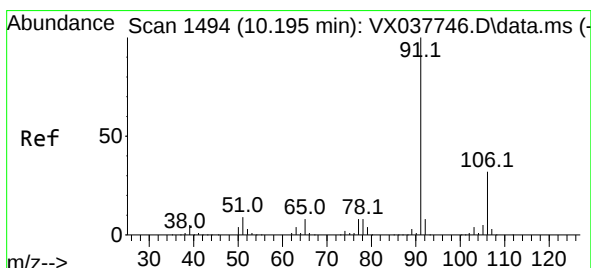
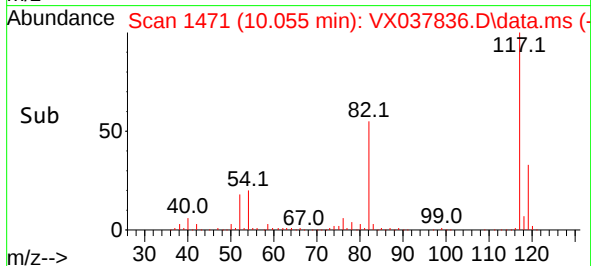
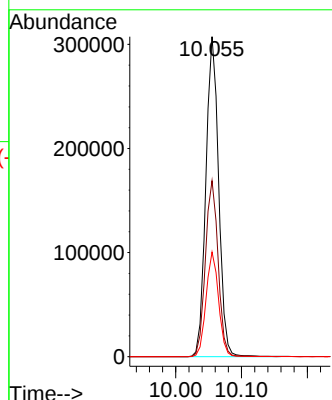
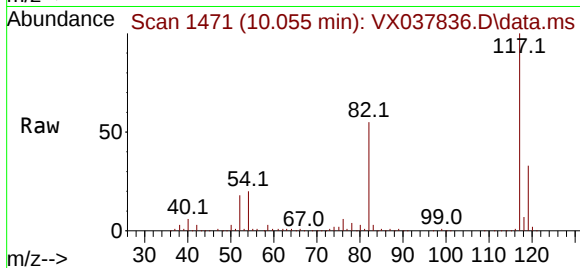
Tgt Ion:117 Resp: 414680

Ion Ratio Lower Upper

117 100

82 55.0 46.2 69.4

119 32.7 25.5 38.3



#67

Ethyl Benzene

Concen: 2.811 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX037836.D

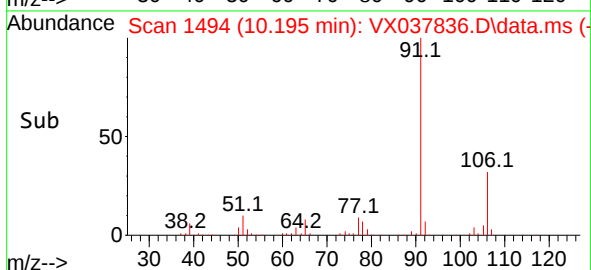
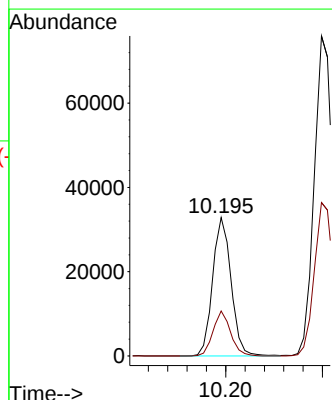
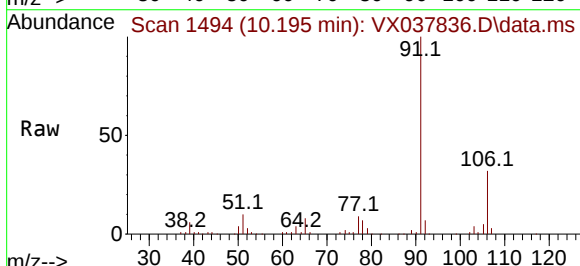
Acq: 20 Sep 2023 16:39

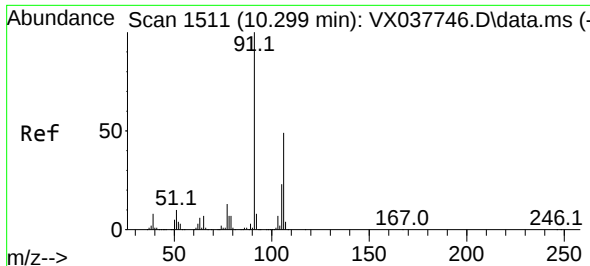
Tgt Ion: 91 Resp: 43596

Ion Ratio Lower Upper

91 100

106 32.5 24.9 37.3

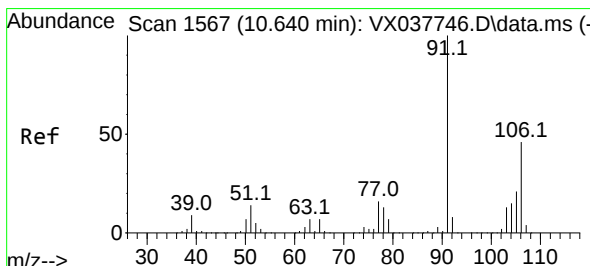
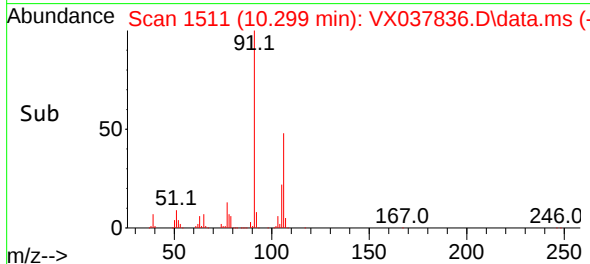
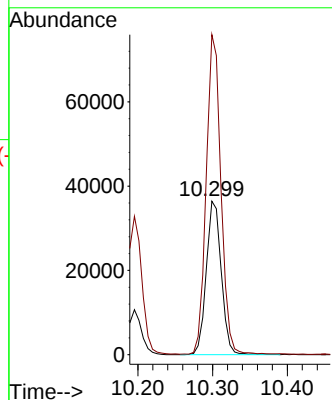
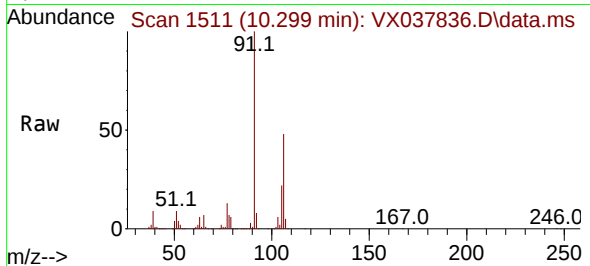




#68
m/p-Xylenes
Concen: 8.479 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX037836.D
Acq: 20 Sep 2023 16:39

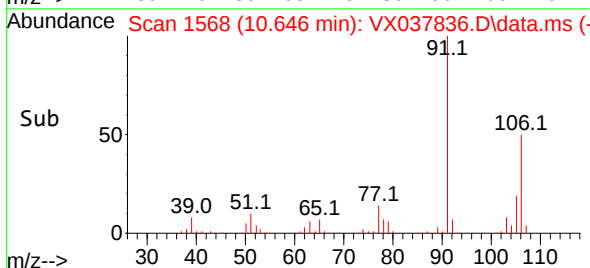
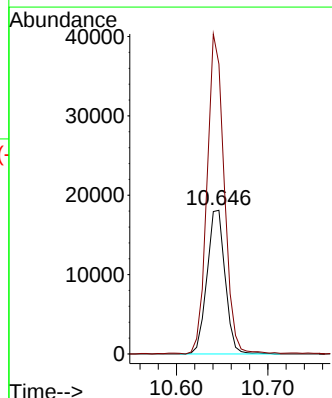
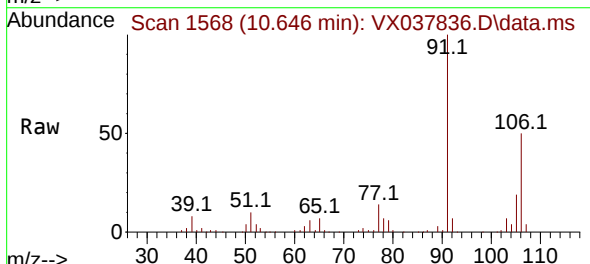
Instrument :
MSVOA_X
ClientSampleId :
50095

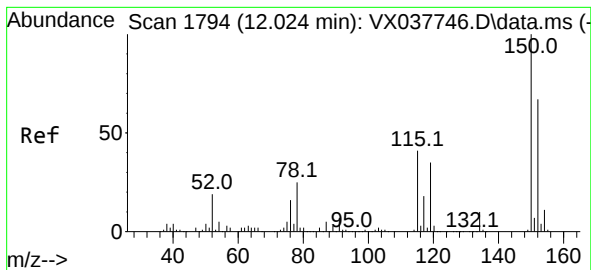
Tgt Ion:106 Resp: 50808
Ion Ratio Lower Upper
106 100
91 204.0 165.5 248.3



#69
o-Xylene
Concen: 4.150 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VX037836.D
Acq: 20 Sep 2023 16:39

Tgt Ion:106 Resp: 24936
Ion Ratio Lower Upper
106 100
91 211.1 108.9 326.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037836.D

Acq: 20 Sep 2023 16:39

Instrument :

MSVOA_X

ClientSampleId :

50095

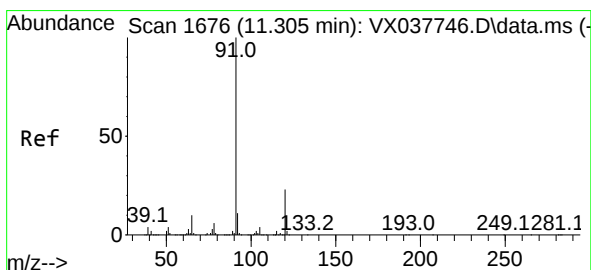
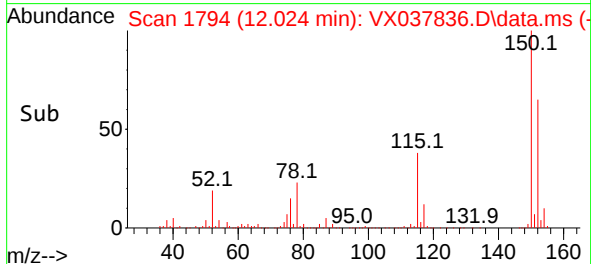
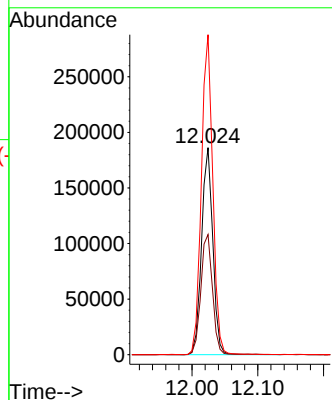
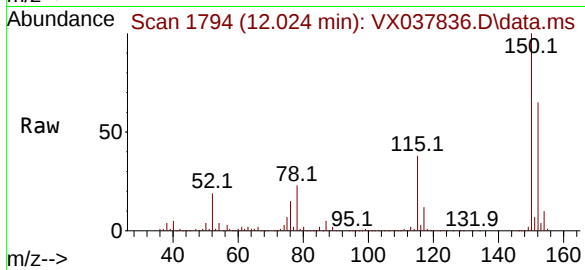
Tgt Ion:152 Resp: 220801

Ion Ratio Lower Upper

152 100

115 60.1 43.3 129.9

150 157.1 0.0 345.0



#78

n-propylbenzene

Concen: 0.305 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX037836.D

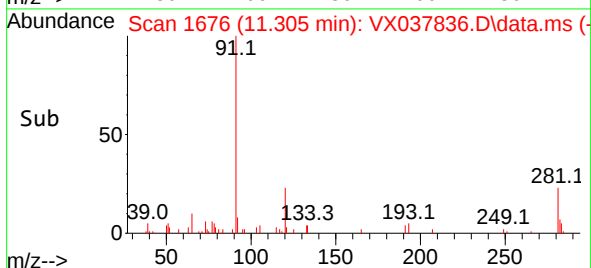
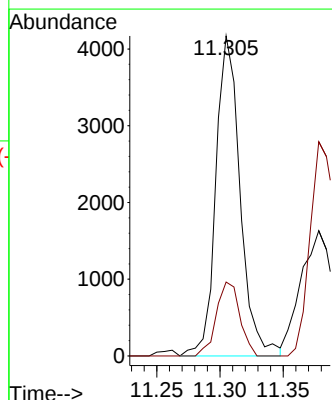
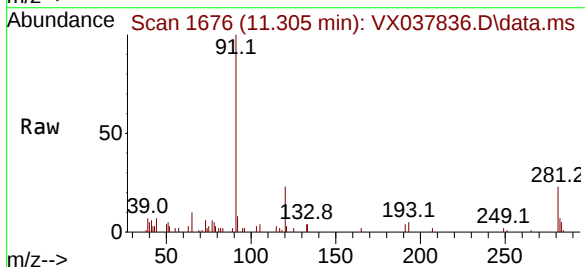
Acq: 20 Sep 2023 16:39

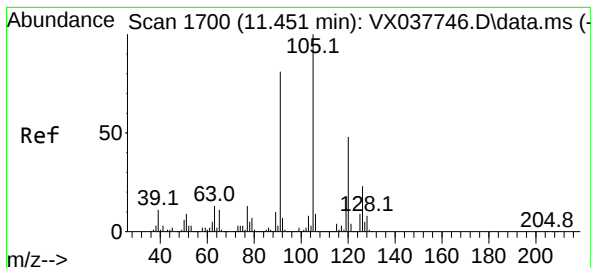
Tgt Ion: 91 Resp: 5573

Ion Ratio Lower Upper

91 100

120 22.3 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 0.424 ug/l

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037836.D

Acq: 20 Sep 2023 16:39

Instrument :

MSVOA_X

ClientSampleId :

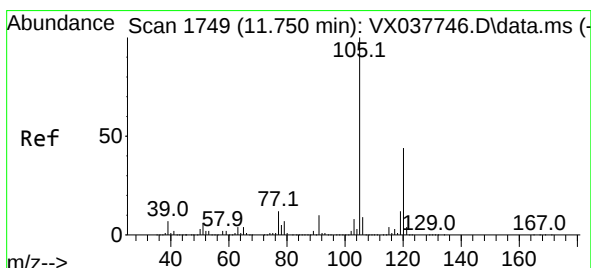
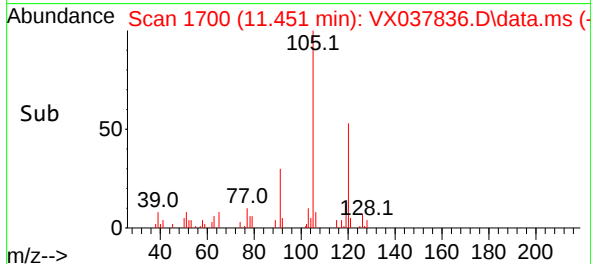
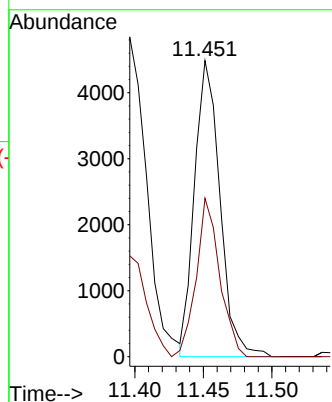
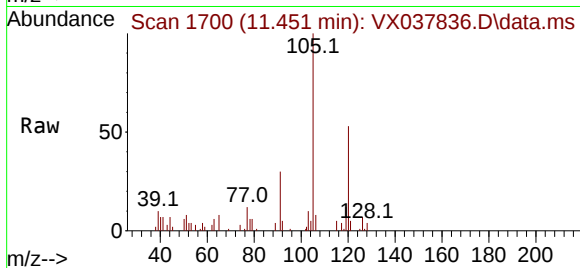
50095

Tgt Ion:105 Resp: 5795

Ion Ratio Lower Upper

105 100

120 49.4 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 1.680 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VX037836.D

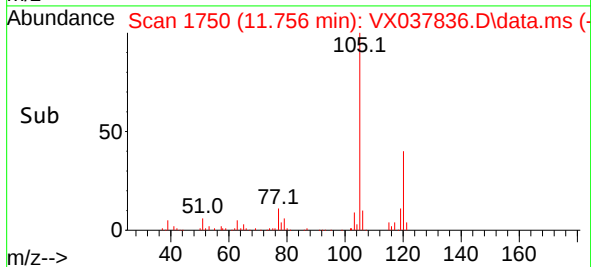
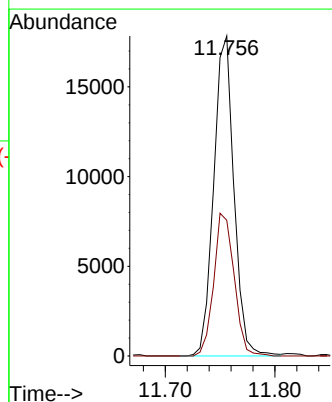
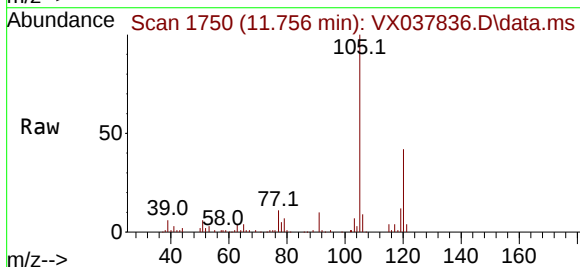
Acq: 20 Sep 2023 16:39

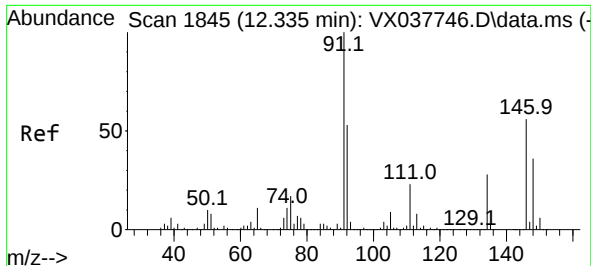
Tgt Ion:105 Resp: 22861

Ion Ratio Lower Upper

105 100

120 45.1 21.2 63.6





#89

n-Butylbenzene

Concen: 0.219 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX037836.D

Acq: 20 Sep 2023 16:39

Instrument :

MSVOA_X

ClientSampleId :

50095

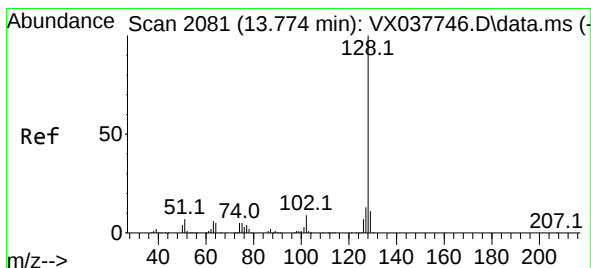
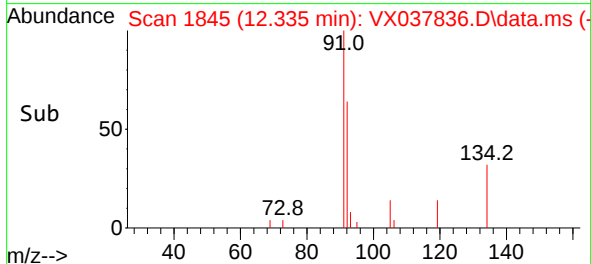
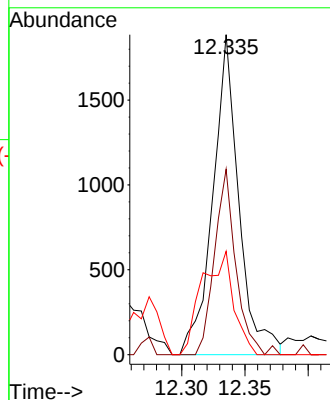
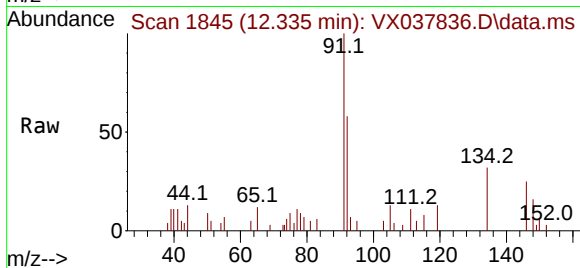
Tgt Ion: 91 Resp: 2687

Ion Ratio Lower Upper

91 100

92 47.9 27.4 82.0

134 39.3 12.6 37.8#



#95

Naphthalene

Concen: 0.694 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VX037836.D

Acq: 20 Sep 2023 16:39

Tgt Ion: 128 Resp: 10553

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.9 8.8 13.2

