

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081023\
 Data File : VX036910.D
 Acq On : 10 Aug 2023 14:07
 Operator : JC/MD
 Sample : 03960-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 230809051-02-VOA

Quant Time: Aug 11 01:45:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	117871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	214358	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86894	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81953	46.989	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.980%
35) Dibromofluoromethane	5.391	113	69055	46.869	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.740%
50) Toluene-d8	8.647	98	256908	49.170	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.340%
62) 4-Bromofluorobenzene	11.079	95	96582	48.995	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.980%

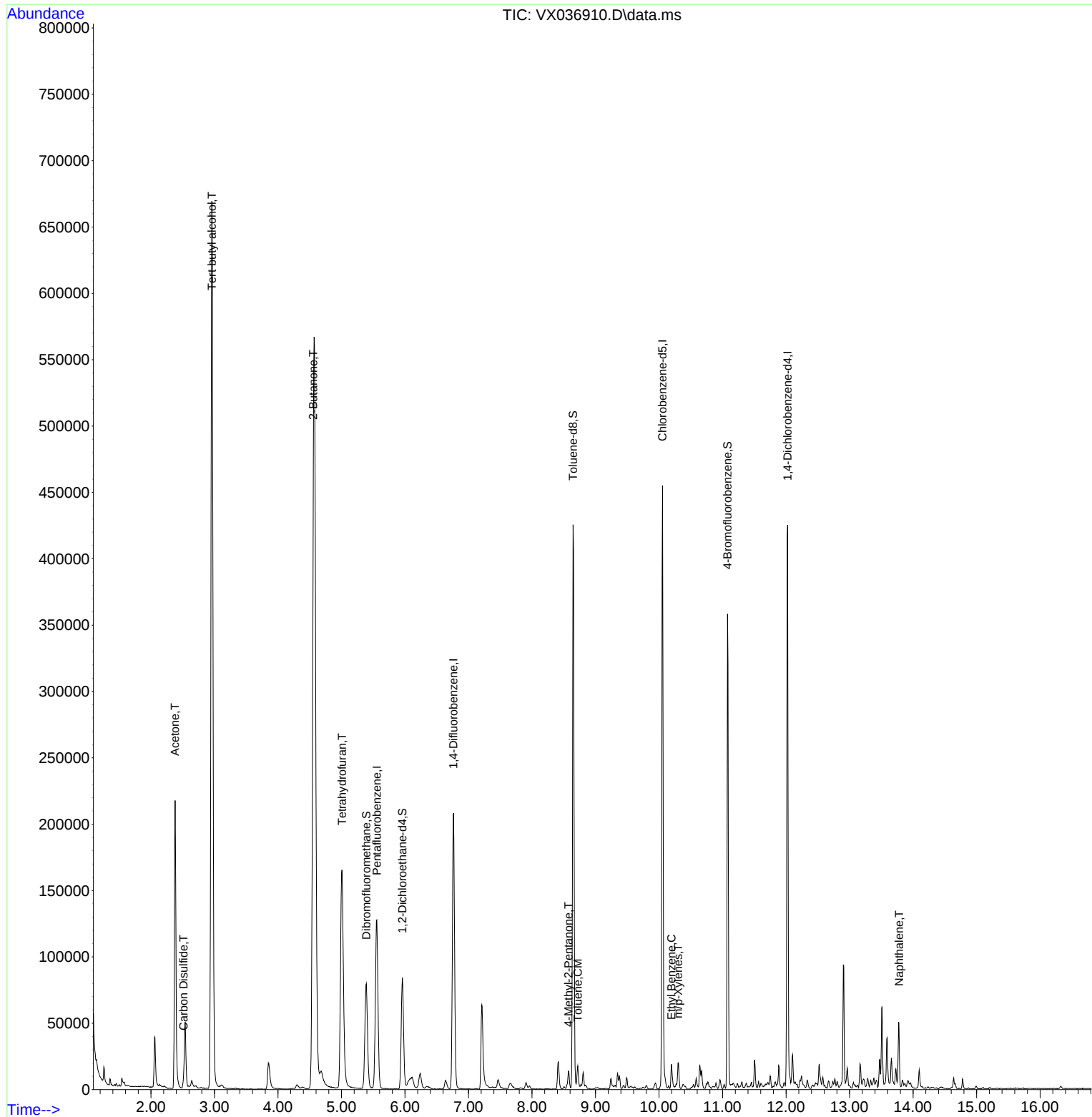
Target Compounds						Qvalue
11) Tert butyl alcohol	2.959	59	816995	1978.677	ug/l #	92
16) Acetone	2.379	43	228408	315.601	ug/l	90
17) Carbon Disulfide	2.514	76	7415	2.036	ug/l	97
25) 2-Butanone	4.556	43	250270	213.140	ug/l	94
29) Tetrahydrofuran	5.007	42	117252	154.884	ug/l	89
51) 4-Methyl-2-Pentanone	8.573	43	8603	3.633	ug/l	98
52) Toluene	8.720	92	4844	1.210	ug/l	100
67) Ethyl Benzene	10.195	91	10429	1.301	ug/l	100
68) m/p-Xylenes	10.299	106	4108	1.373	ug/l	93
95) Naphthalene	13.780	128	23746	3.779	ug/l	99

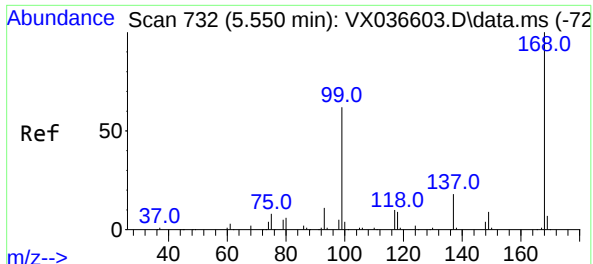
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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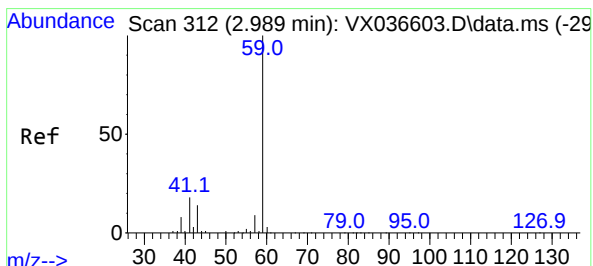
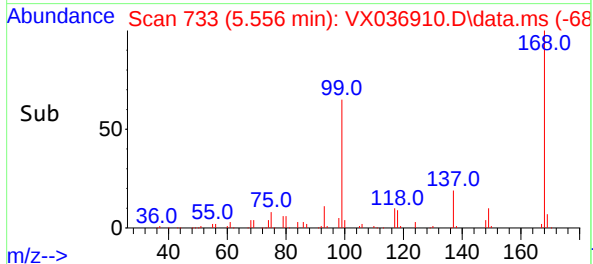
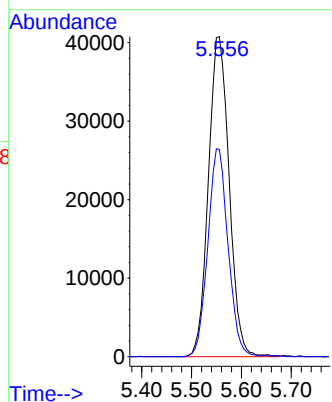
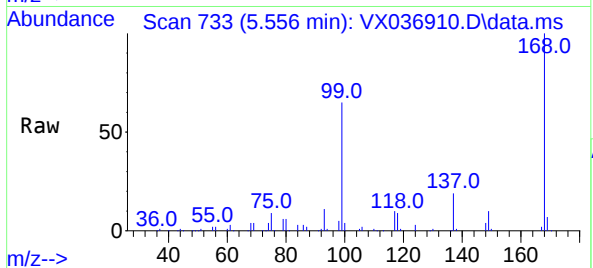




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036910.D
Acq: 10 Aug 2023 14:07

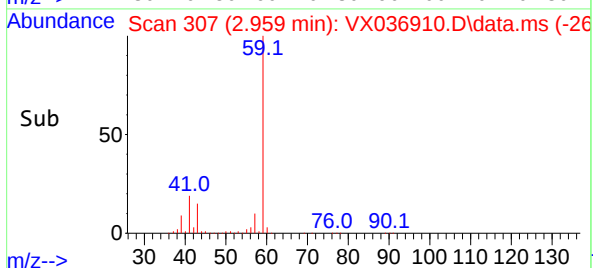
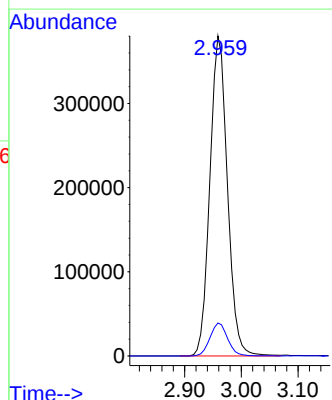
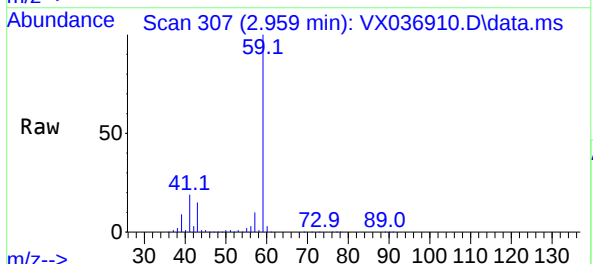
Instrument :
MSVOA_X
ClientSampleId :
230809051-02-VOA

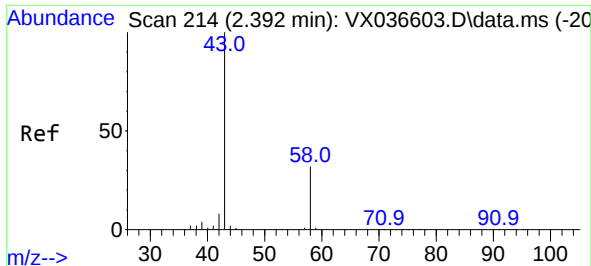
Tgt Ion:168 Resp: 117871
Ion Ratio Lower Upper
168 100
99 64.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 1978.677 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.031 min
Lab File: VX036910.D
Acq: 10 Aug 2023 14:07

Tgt Ion: 59 Resp: 816995
Ion Ratio Lower Upper
59 100
57 10.4 6.0 9.0#

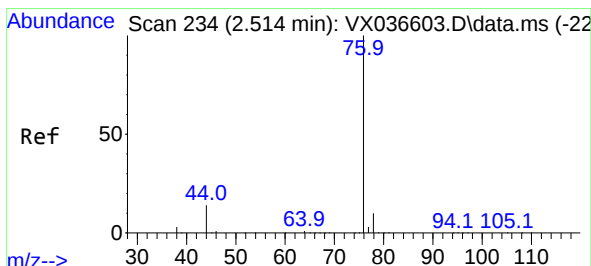
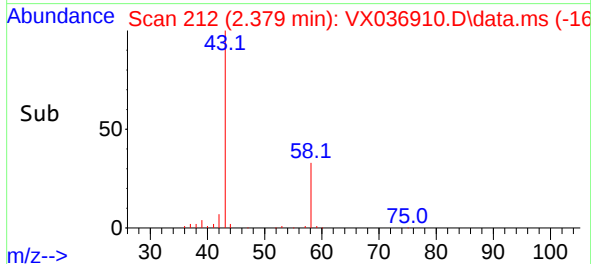
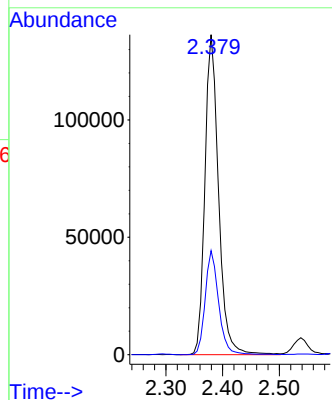
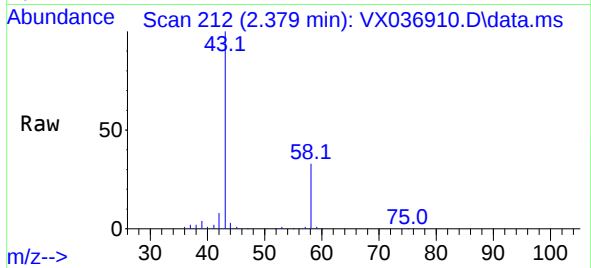




#16
Acetone
Concen: 315.601 ug/l
RT: 2.379 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX036910.D
Acq: 10 Aug 2023 14:07

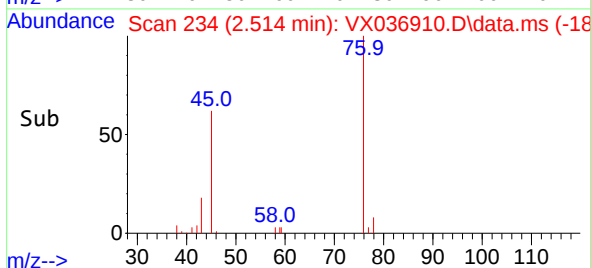
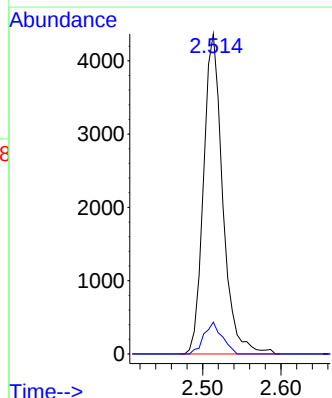
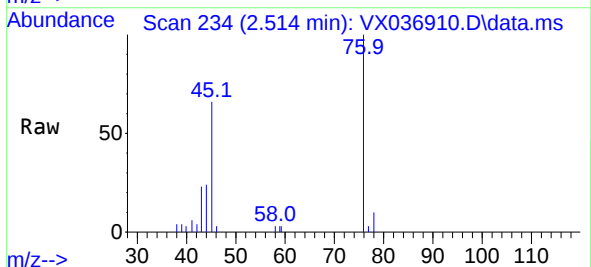
Instrument :
MSVOA_X
ClientSampleId :
230809051-02-VOA

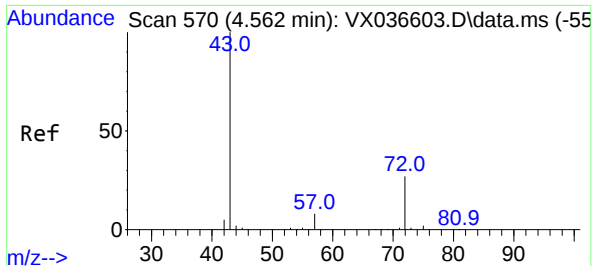
Tgt Ion: 43 Resp: 228408
Ion Ratio Lower Upper
43 100
58 32.5 21.9 32.9



#17
Carbon Disulfide
Concen: 2.036 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX036910.D
Acq: 10 Aug 2023 14:07

Tgt Ion: 76 Resp: 7415
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.6





#25

2-Butanone

Concen: 213.140 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.006 min

Lab File: VX036910.D

Acq: 10 Aug 2023 14:07

Instrument :

MSVOA_X

ClientSampleId :

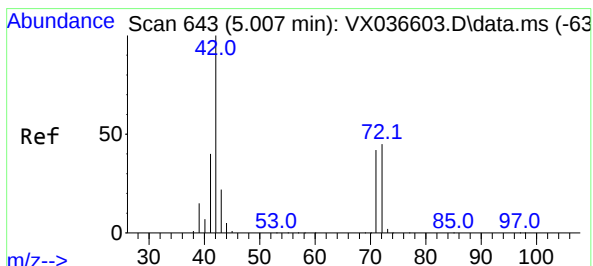
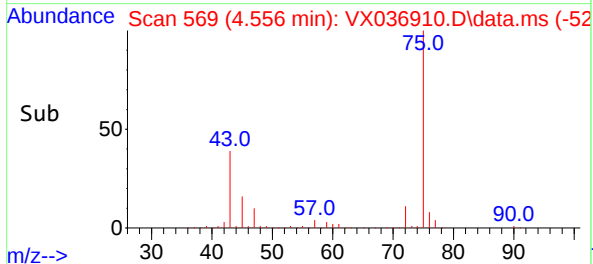
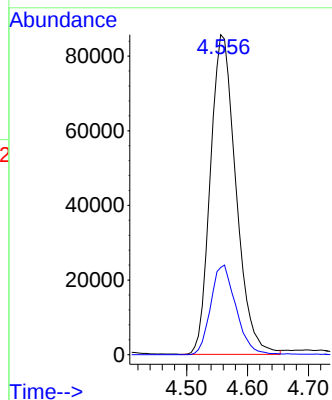
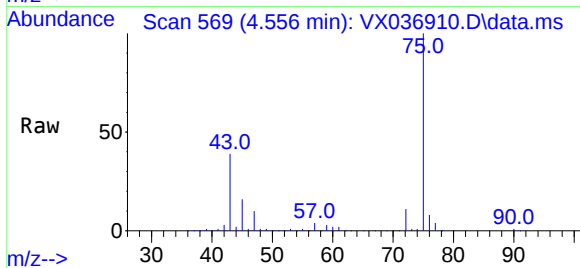
230809051-02-VOA

Tgt Ion: 43 Resp: 250270

Ion Ratio Lower Upper

43 100

72 27.3 19.4 29.2



#29

Tetrahydrofuran

Concen: 154.884 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.000 min

Lab File: VX036910.D

Acq: 10 Aug 2023 14:07

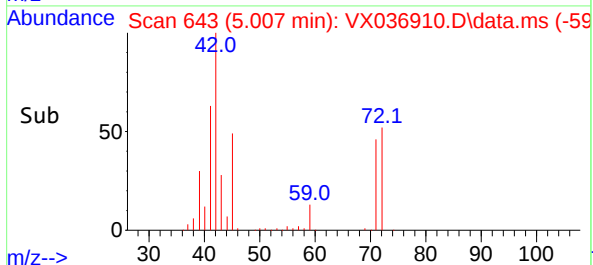
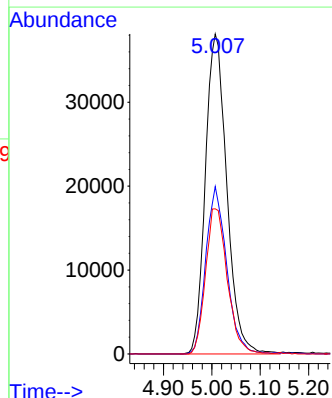
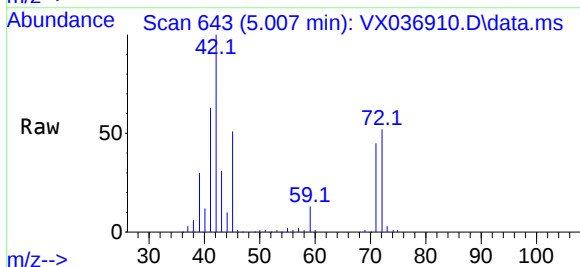
Tgt Ion: 42 Resp: 117252

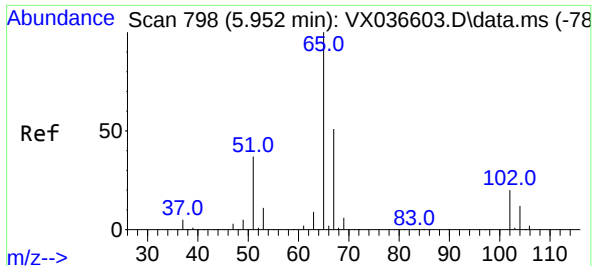
Ion Ratio Lower Upper

42 100

72 50.8 34.2 51.4

71 46.2 32.2 48.2





#33

1,2-Dichloroethane-d4

Concen: 46.989 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX036910.D

Acq: 10 Aug 2023 14:07

Instrument :

MSVOA_X

ClientSampleId :

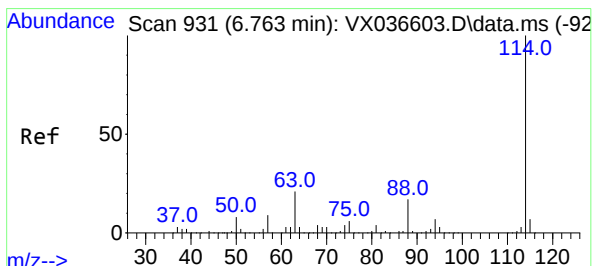
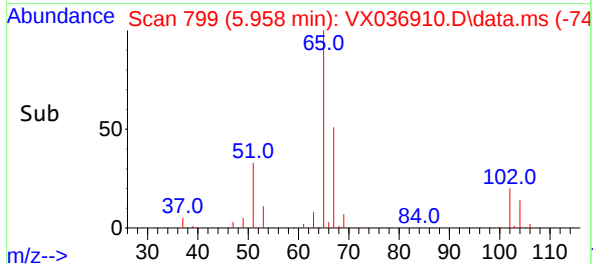
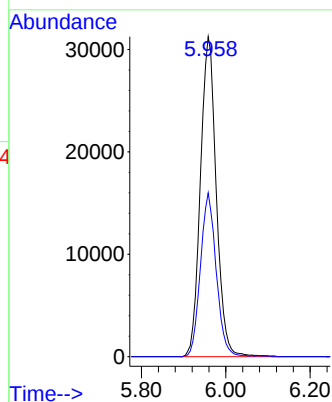
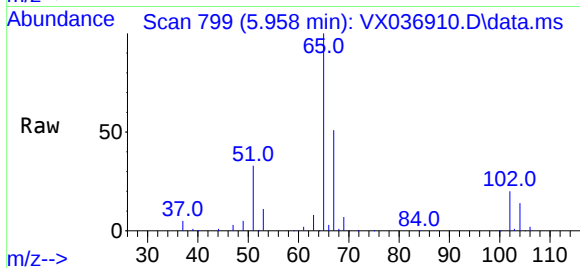
230809051-02-VOA

Tgt Ion: 65 Resp: 81953

Ion Ratio Lower Upper

65 100

67 50.8 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: VX036910.D

Acq: 10 Aug 2023 14:07

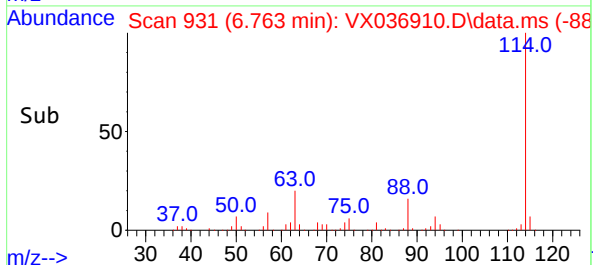
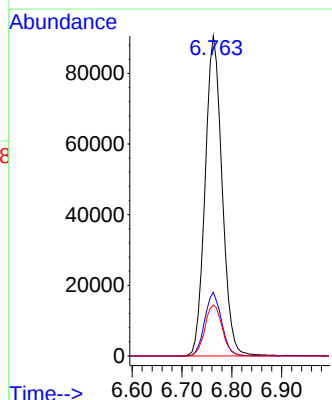
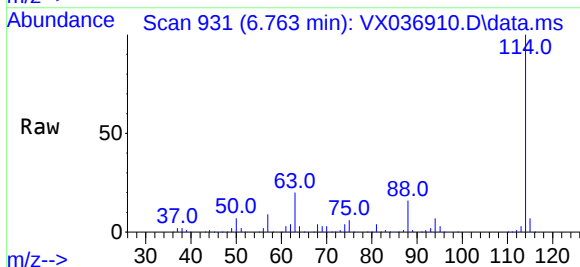
Tgt Ion: 114 Resp: 214358

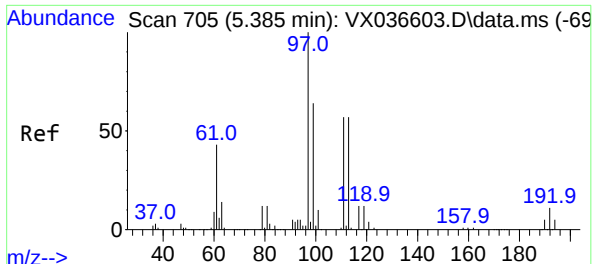
Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.0

88 16.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.869 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX036910.D

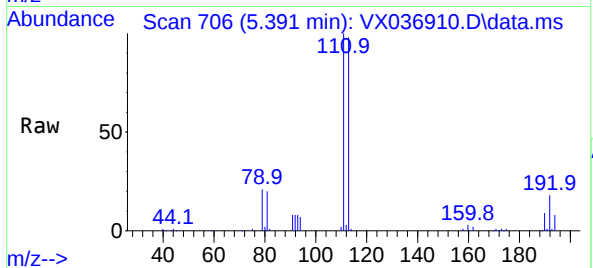
Acq: 10 Aug 2023 14:07

Instrument :

MSVOA_X

ClientSampleId :

230809051-02-VOA



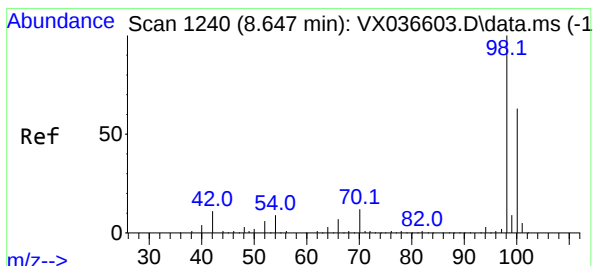
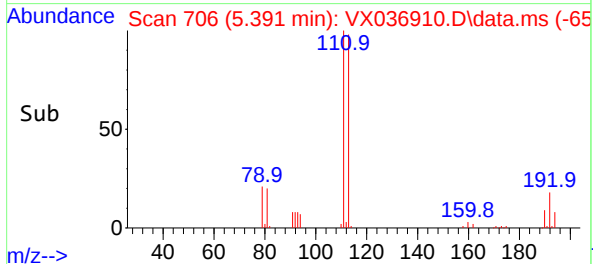
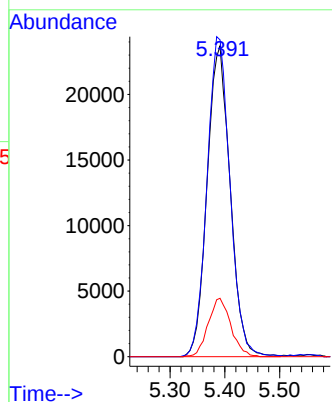
Tgt Ion:113 Resp: 69055

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

192 18.5 13.3 19.9



#50

Toluene-d8

Concen: 49.170 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX036910.D

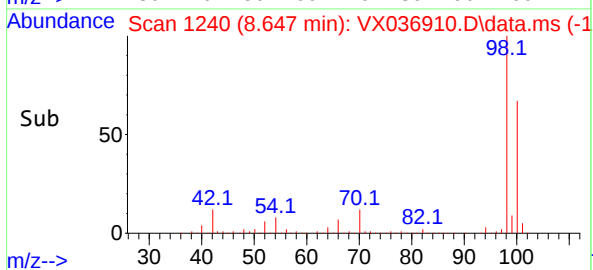
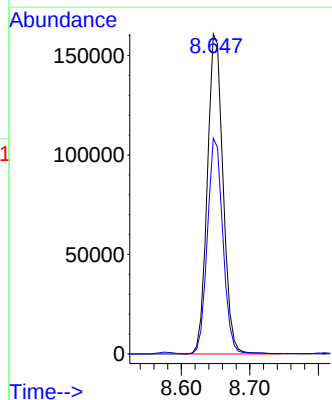
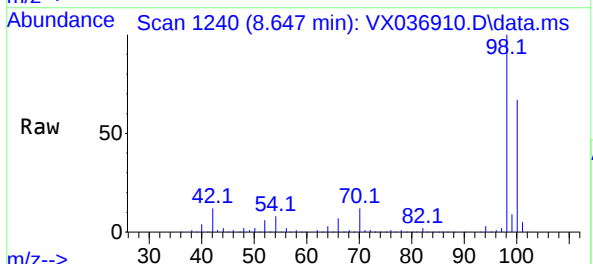
Acq: 10 Aug 2023 14:07

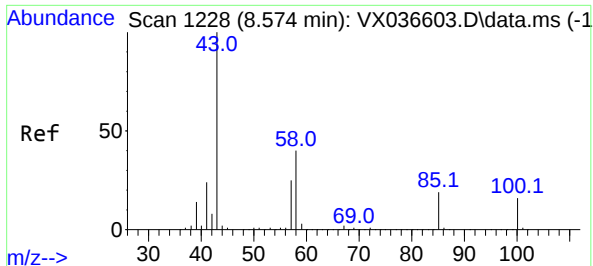
Tgt Ion: 98 Resp: 256908

Ion Ratio Lower Upper

98 100

100 66.8 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 3.633 ug/l

RT: 8.573 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX036910.D

Acq: 10 Aug 2023 14:07

Instrument :

MSVOA_X

ClientSampleId :

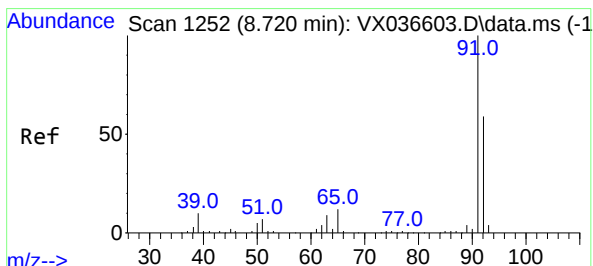
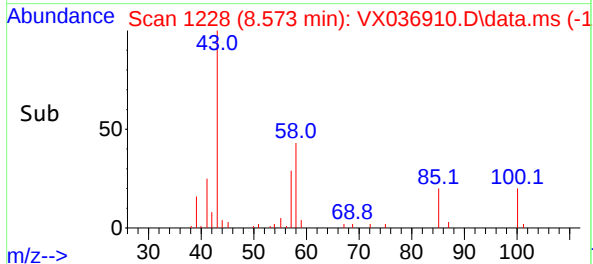
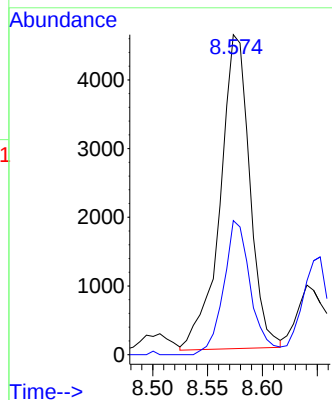
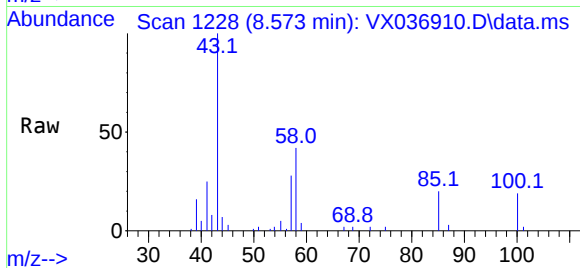
230809051-02-VOA

Tgt Ion: 43 Resp: 8603

Ion Ratio Lower Upper

43 100

58 38.9 30.4 45.6



#52

Toluene

Concen: 1.210 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX036910.D

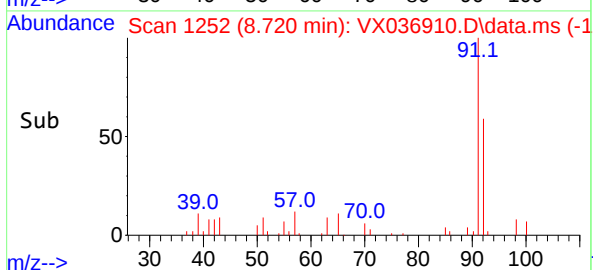
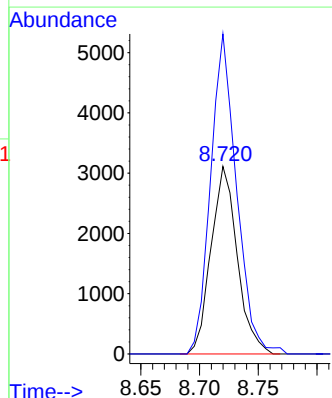
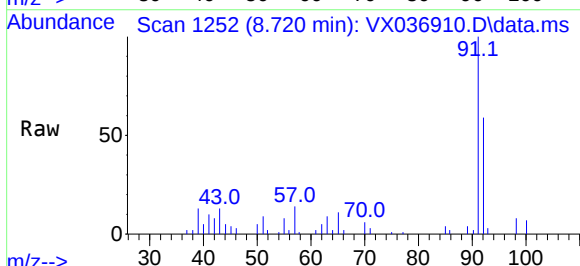
Acq: 10 Aug 2023 14:07

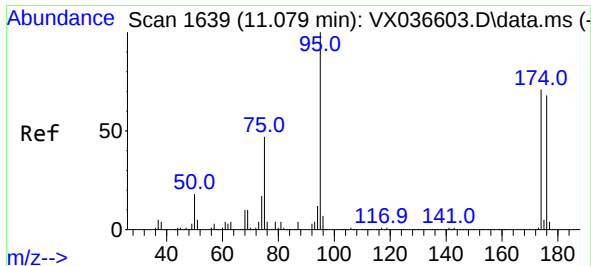
Tgt Ion: 92 Resp: 4844

Ion Ratio Lower Upper

92 100

91 168.4 134.2 201.2

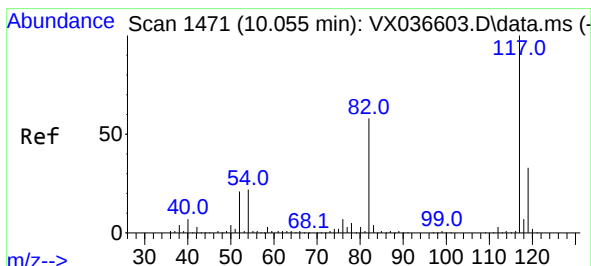
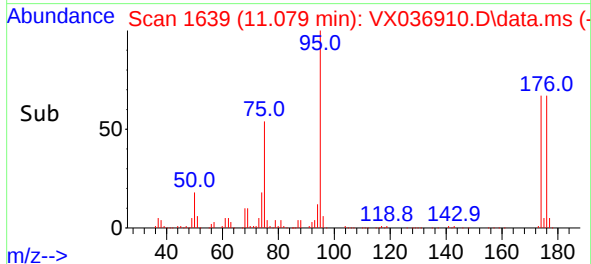
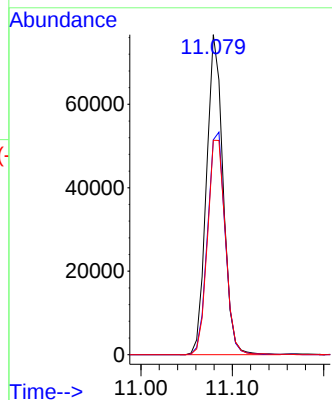
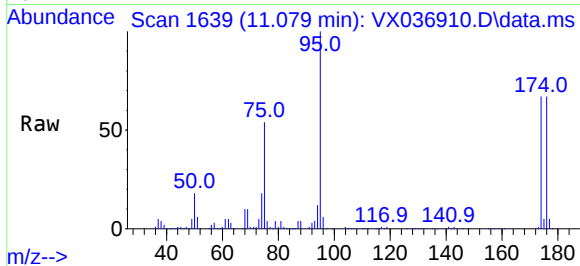




#62
4-Bromofluorobenzene
Concen: 48.995 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036910.D
Acq: 10 Aug 2023 14:07

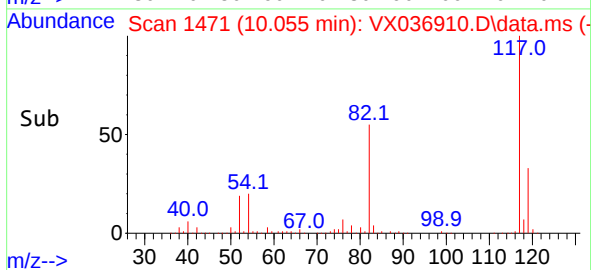
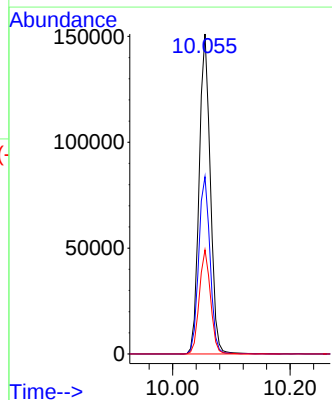
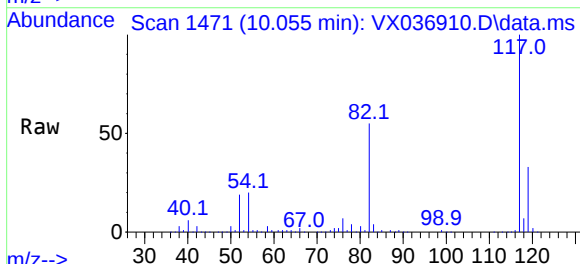
Instrument :
MSVOA_X
ClientSampleId :
230809051-02-VOA

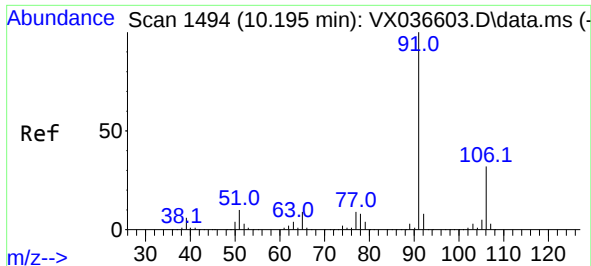
Tgt Ion: 95 Resp: 96582
Ion Ratio Lower Upper
95 100
174 73.3 0.0 135.6
176 72.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036910.D
Acq: 10 Aug 2023 14:07

Tgt Ion: 117 Resp: 199083
Ion Ratio Lower Upper
117 100
82 55.4 46.2 69.4
119 32.6 25.5 38.3

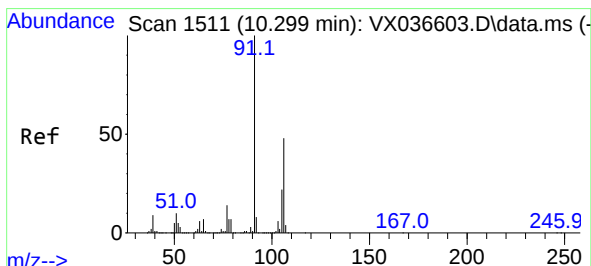
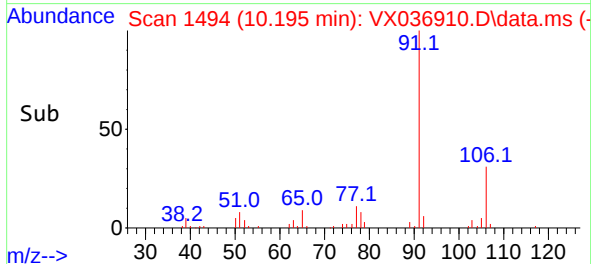
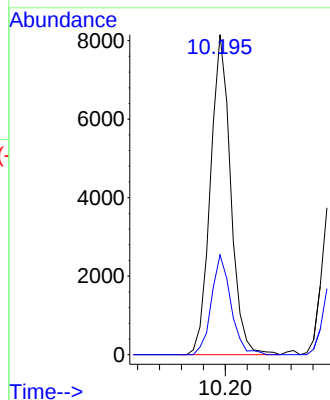
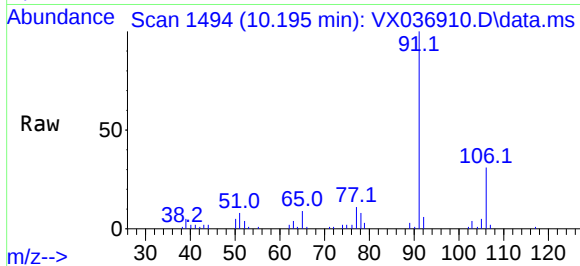




#67
Ethyl Benzene
Concen: 1.301 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX036910.D
Acq: 10 Aug 2023 14:07

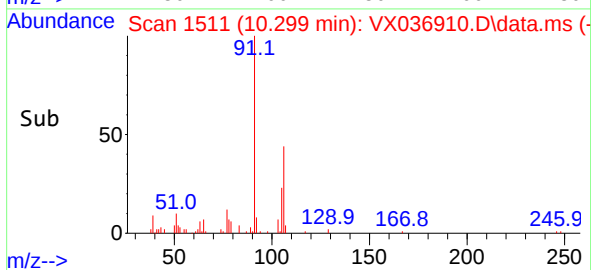
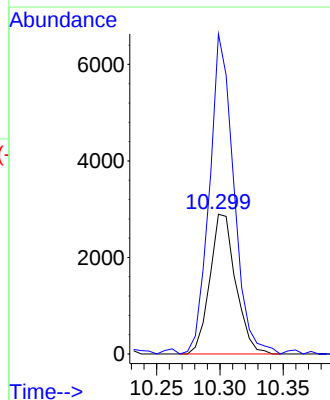
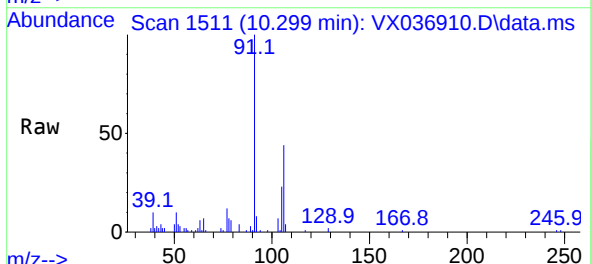
Instrument :
MSVOA_X
ClientSampleId :
230809051-02-VOA

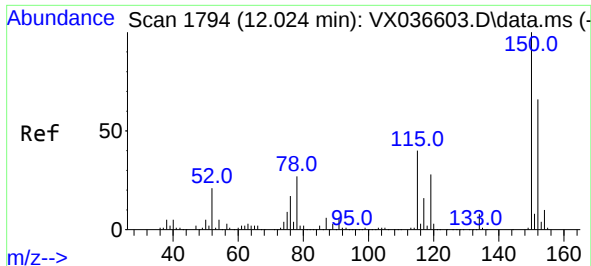
Tgt Ion: 91 Resp: 10429
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



#68
m/p-Xylenes
Concen: 1.373 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX036910.D
Acq: 10 Aug 2023 14:07

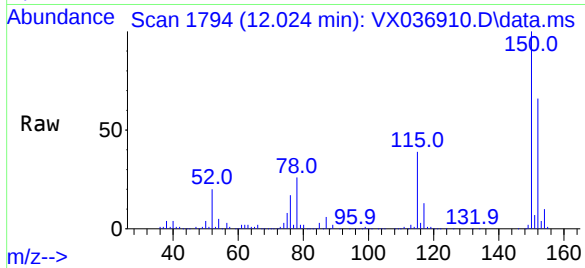
Tgt Ion: 106 Resp: 4108
Ion Ratio Lower Upper
106 100
91 217.0 165.5 248.3



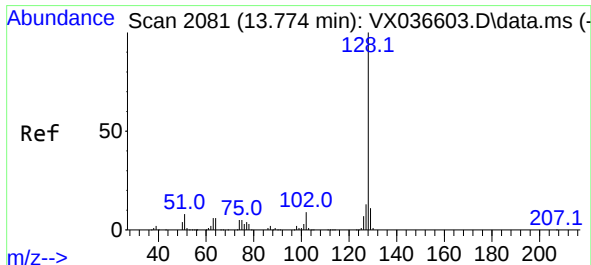
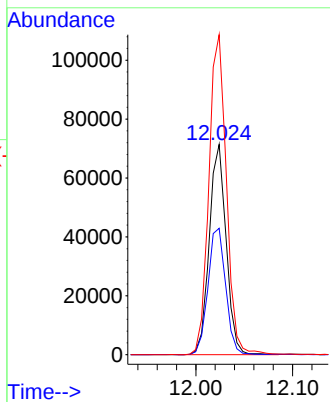
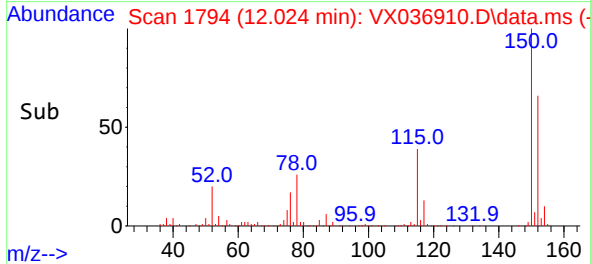


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036910.D
Acq: 10 Aug 2023 14:07

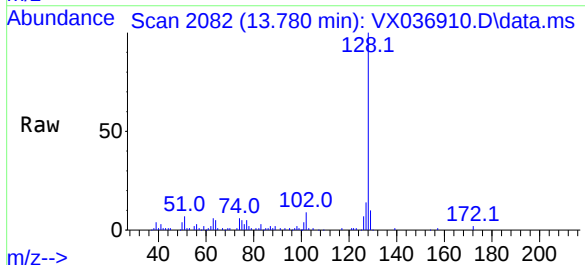
Instrument :
MSVOA_X
ClientSampleId :
230809051-02-VOA



Tgt Ion:152 Resp: 86894
Ion Ratio Lower Upper
152 100
115 63.0 43.3 129.9
150 158.0 0.0 345.0



#95
Naphthalene
Concen: 3.779 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX036910.D
Acq: 10 Aug 2023 14:07



Tgt Ion:128 Resp: 23746
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.4 8.8 13.2

