

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062023\
 Data File : VX036241.D
 Acq On : 20 Jun 2023 14:30
 Operator : JC/MD
 Sample : 03291-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: Jun 21 02:02:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 16 16:28:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	141142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	256514	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108239	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	124101	48.114	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.220%
35) Dibromofluoromethane	5.385	113	81089	46.617	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.240%
50) Toluene-d8	8.647	98	301126	47.326	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.660%
62) 4-Bromofluorobenzene	11.079	95	120823	47.042	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.080%

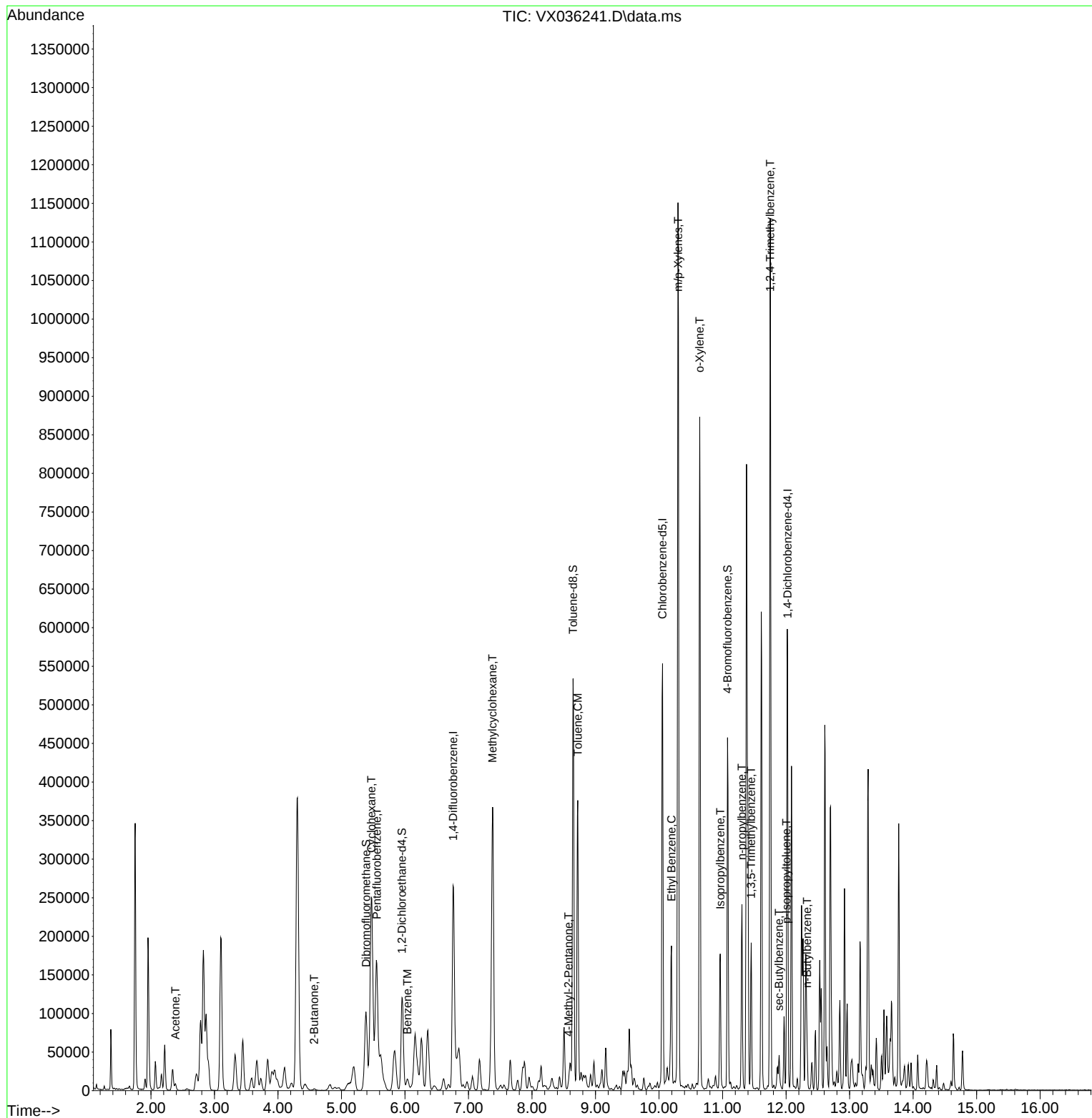
Target Compounds						Qvalue
16) Acetone	2.386	43	10091	9.417	ug/l	93
25) 2-Butanone	4.568	43	3567	2.378	ug/l #	79
31) Cyclohexane	5.470	56	176050	63.625	ug/l	97
39) Methylcyclohexane	7.379	83	153293	55.549	ug/l	96
40) Benzene	6.037	78	17324	2.404	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	6616	2.293	ug/l	90
52) Toluene	8.720	92	137238	30.421	ug/l	100
67) Ethyl Benzene	10.195	91	96904	11.371	ug/l	99
68) m/p-Xylenes	10.299	106	245047	76.211	ug/l	99
69) o-Xylene	10.640	106	174417	54.981	ug/l	97
73) Isopropylbenzene	10.963	105	88938	11.074	ug/l	99
78) n-propylbenzene	11.305	91	132959	14.072	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	73967	10.816	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	452663	66.358	ug/l	97
85) sec-Butylbenzene	11.890	105	20064	2.478	ug/l	97
86) p-Isopropyltoluene	12.006	119	19211	2.821	ug/l	97
89) n-Butylbenzene	12.329	91	31416m	5.168	ug/l	

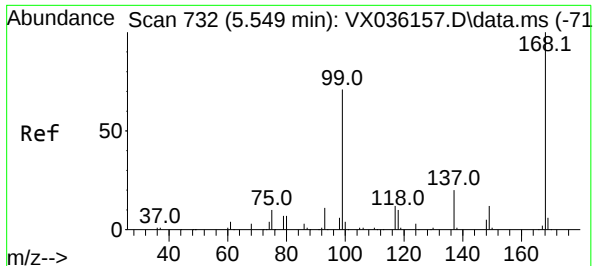
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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MW-3

Quant Time: Jun 21 02:02:27 2023
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Quant Title : SW846 8260
QLast Update : Fri Jun 16 16:28:40 2023
Response via : Initial Calibration

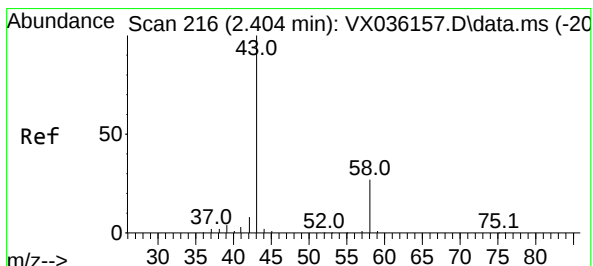
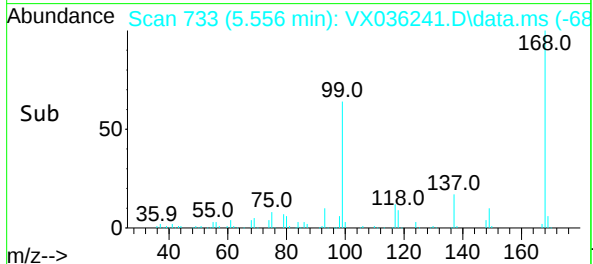
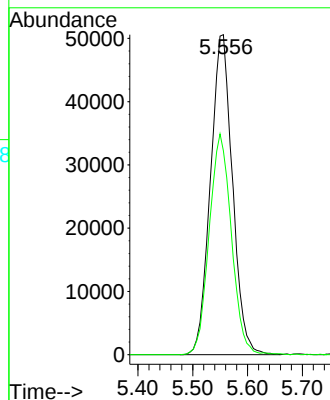
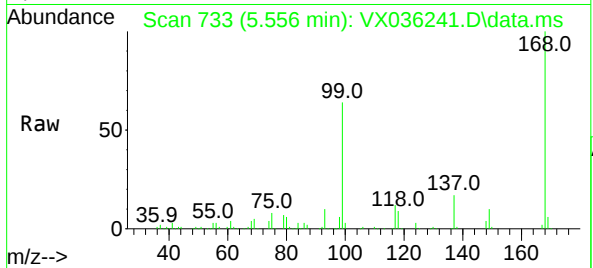




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036241.D
Acq: 20 Jun 2023 14:30

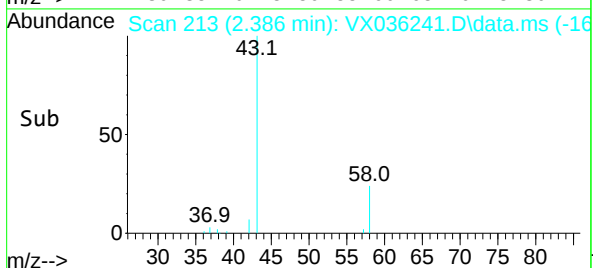
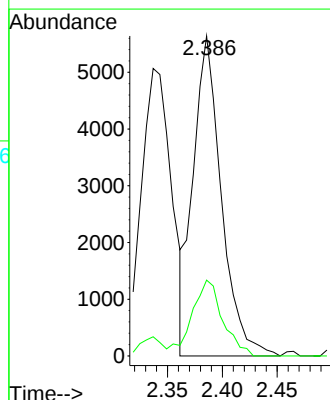
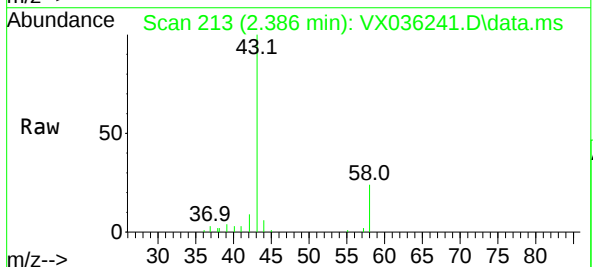
Instrument :
MSVOA_X
ClientSampleId :
MW-3

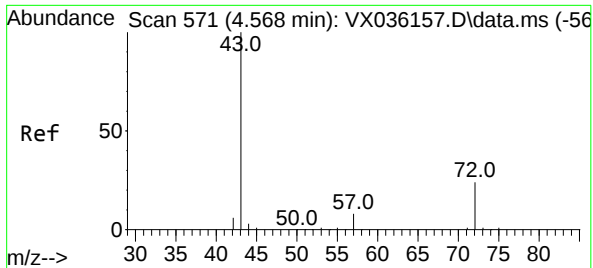
Tgt Ion:168 Resp: 141142
Ion Ratio Lower Upper
168 100
99 63.7 56.6 85.0



#16
Acetone
Concen: 9.417 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.018 min
Lab File: VX036241.D
Acq: 20 Jun 2023 14:30

Tgt Ion: 43 Resp: 10091
Ion Ratio Lower Upper
43 100
58 23.7 21.9 32.9

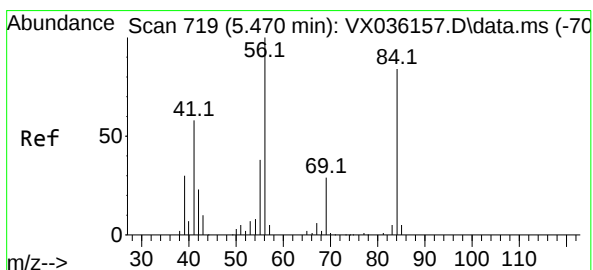
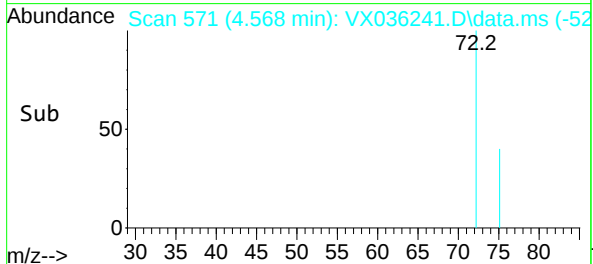
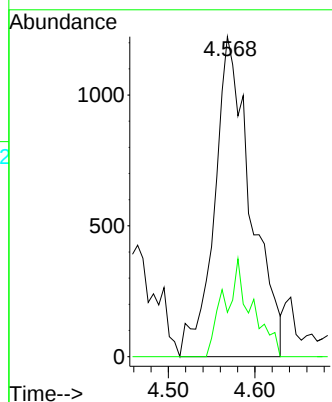
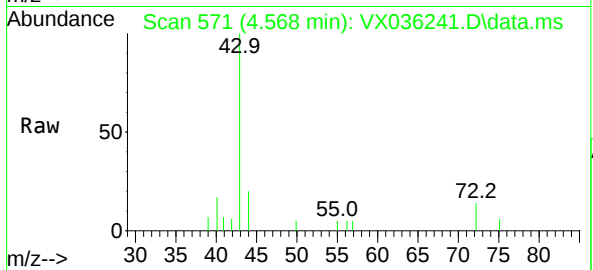




#25
2-Butanone
Concen: 2.378 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX036241.D
Acq: 20 Jun 2023 14:30

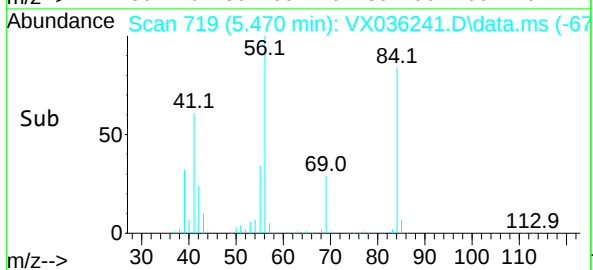
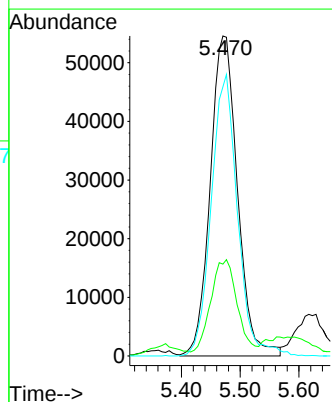
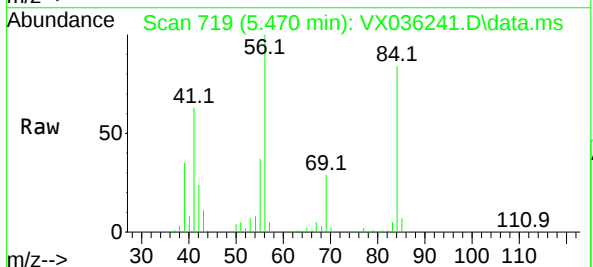
Instrument :
MSVOA_X
ClientSampleId :
MW-3

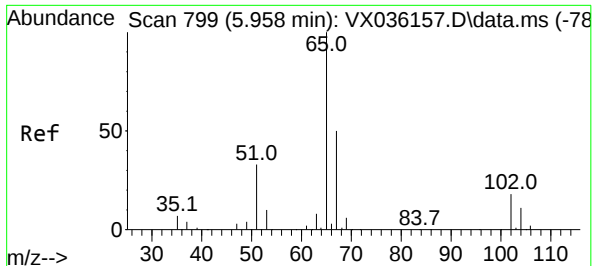
Tgt Ion: 43 Resp: 3567
Ion Ratio Lower Upper
43 100
72 13.8 19.4 29.2#



#31
Cyclohexane
Concen: 63.625 ug/l
RT: 5.470 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX036241.D
Acq: 20 Jun 2023 14:30

Tgt Ion: 56 Resp: 176050
Ion Ratio Lower Upper
56 100
69 26.8 23.4 35.2
84 84.3 65.9 98.9

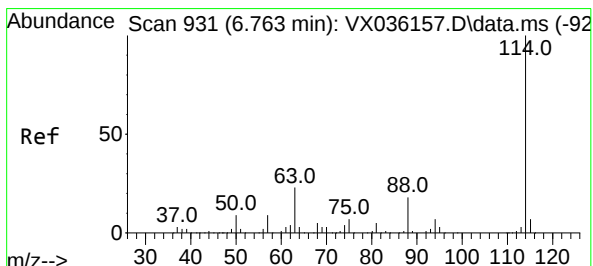
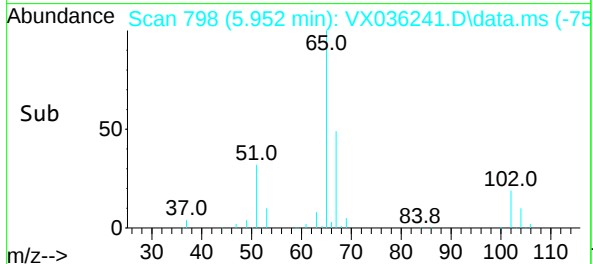
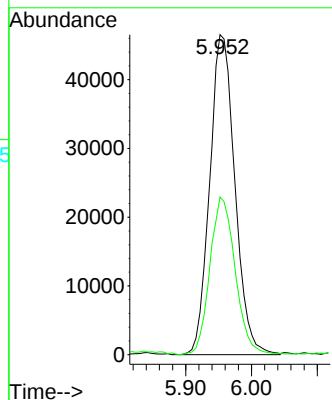
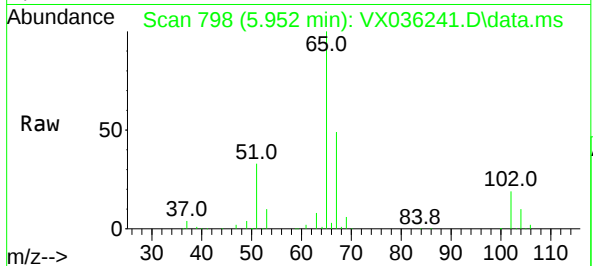




#33
1,2-Dichloroethane-d4
Concen: 48.114 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX036241.D
Acq: 20 Jun 2023 14:30

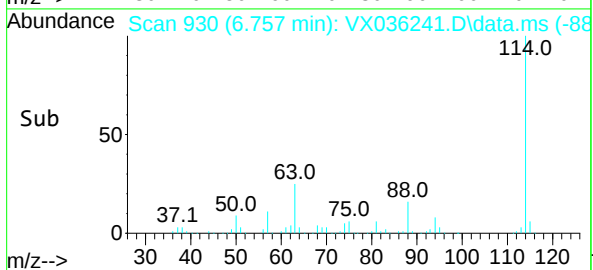
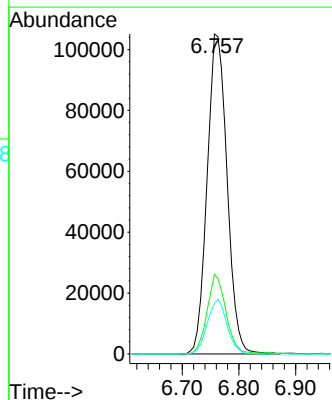
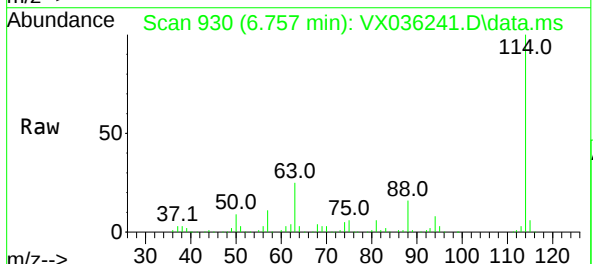
Instrument :
MSVOA_X
ClientSampleId :
MW-3

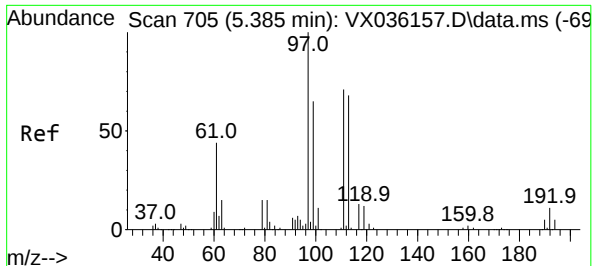
Tgt Ion: 65 Resp: 124101
Ion Ratio Lower Upper
65 100
67 49.6 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.006 min
Lab File: VX036241.D
Acq: 20 Jun 2023 14:30

Tgt Ion: 114 Resp: 256514
Ion Ratio Lower Upper
114 100
63 24.8 0.0 45.0
88 15.7 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.617 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX036241.D

Acq: 20 Jun 2023 14:30

Instrument :

MSVOA_X

ClientSampleId :

MW-3

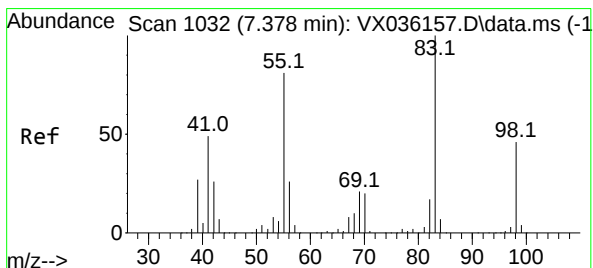
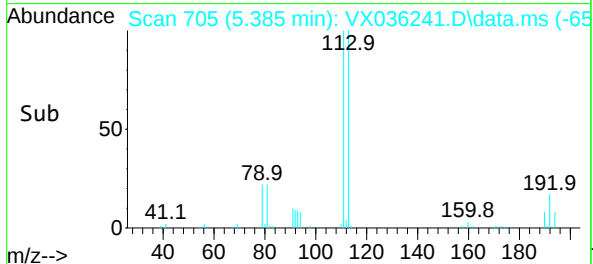
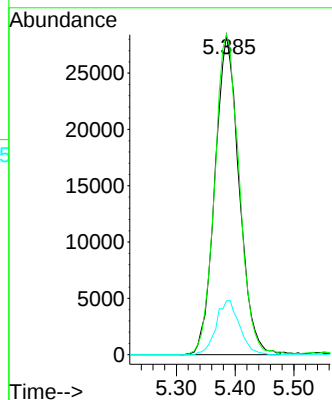
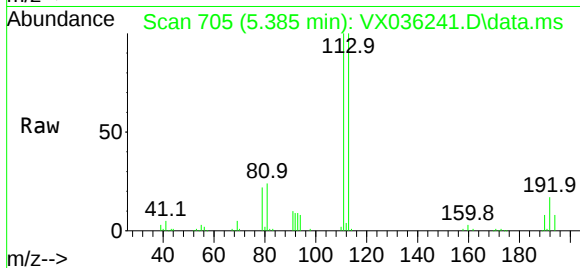
Tgt Ion:113 Resp: 81089

Ion Ratio Lower Upper

113 100

111 101.9 82.9 124.3

192 16.4 13.3 19.9



#39

Methylcyclohexane

Concen: 55.549 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.001 min

Lab File: VX036241.D

Acq: 20 Jun 2023 14:30

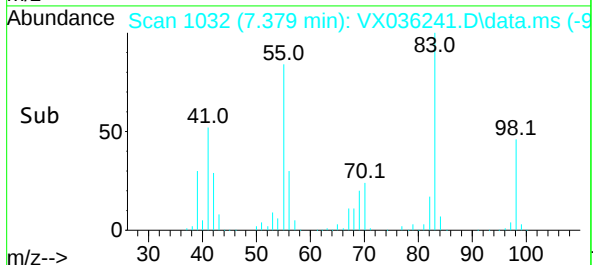
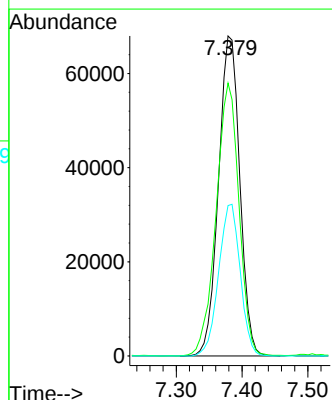
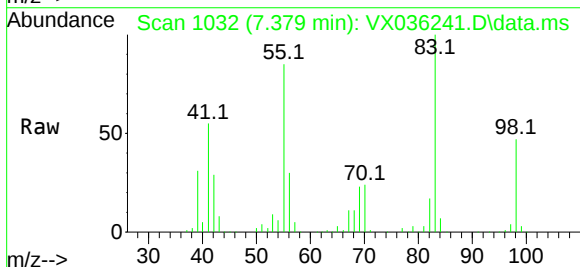
Tgt Ion: 83 Resp: 153293

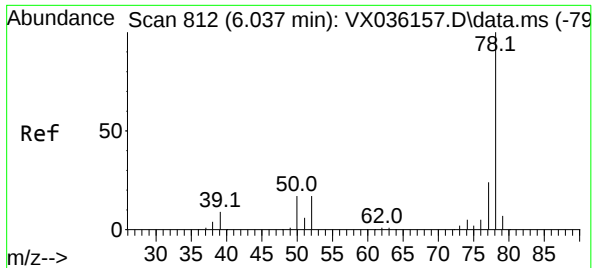
Ion Ratio Lower Upper

83 100

55 85.2 64.6 97.0

98 47.0 36.7 55.1

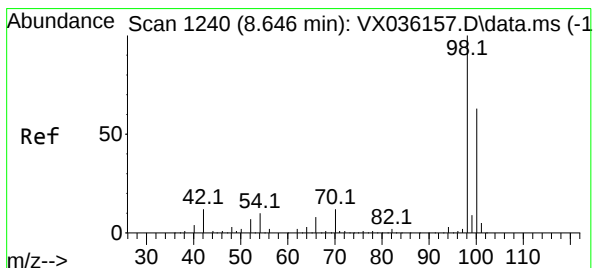
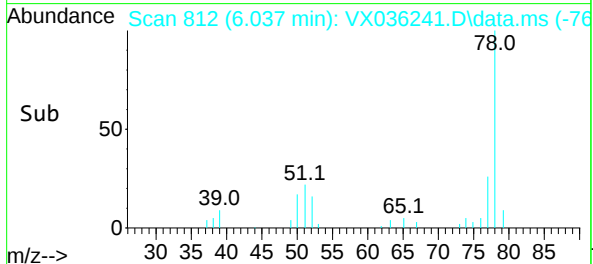
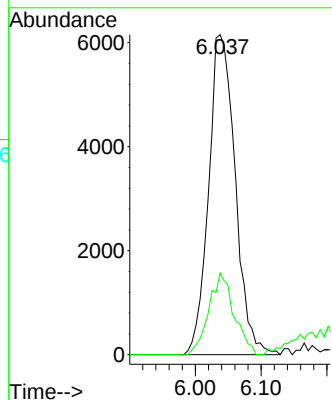
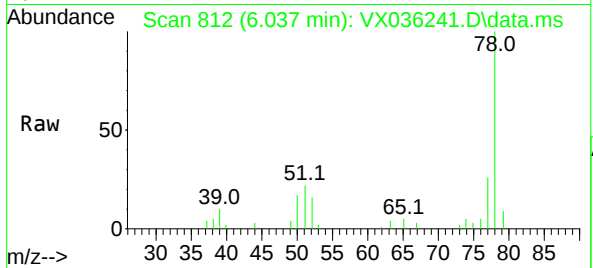




#40
Benzene
Concen: 2.404 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX036241.D
Acq: 20 Jun 2023 14:30

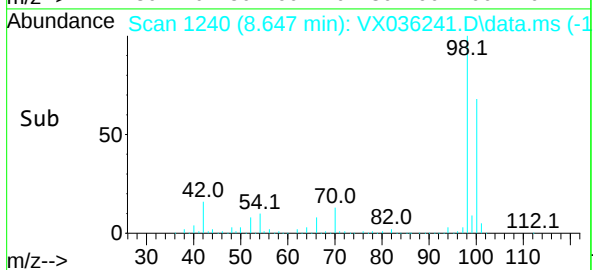
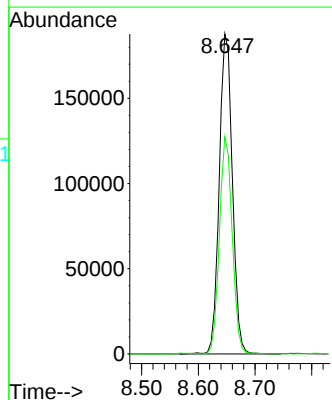
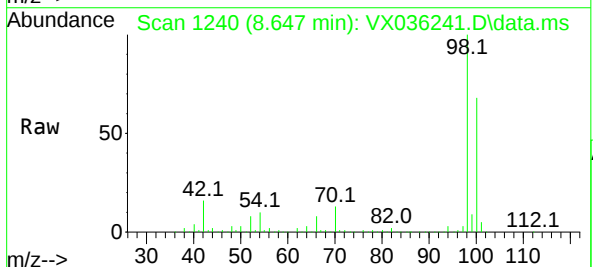
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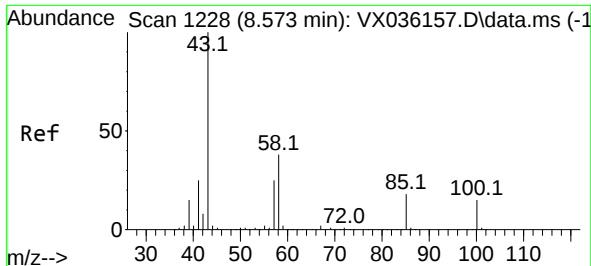
Tgt Ion: 78 Resp: 17324
Ion Ratio Lower Upper
78 100
77 25.5 19.3 28.9



#50
Toluene-d8
Concen: 47.326 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036241.D
Acq: 20 Jun 2023 14:30

Tgt Ion: 98 Resp: 301126
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7

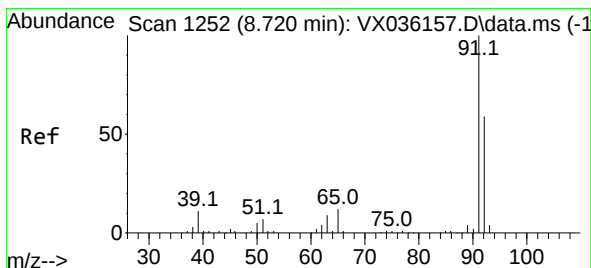
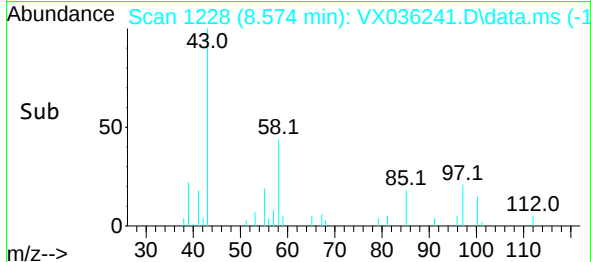
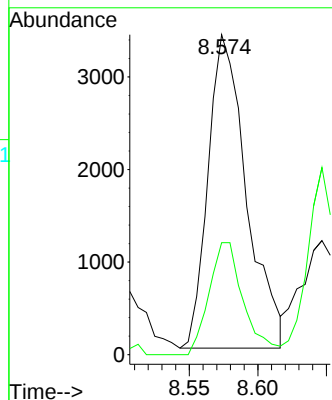
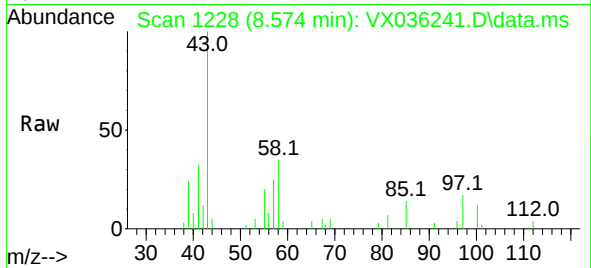




#51
4-Methyl-2-Pentanone
Concen: 2.293 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036241.D
Acq: 20 Jun 2023 14:30

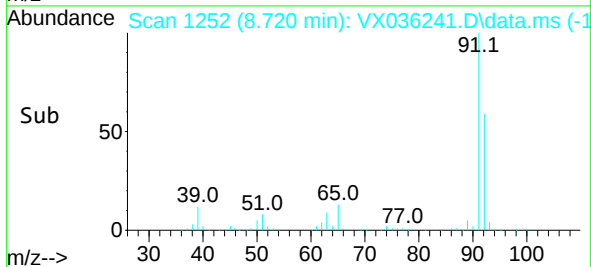
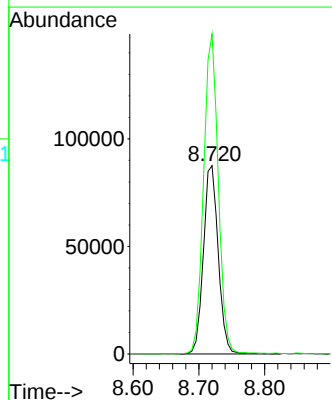
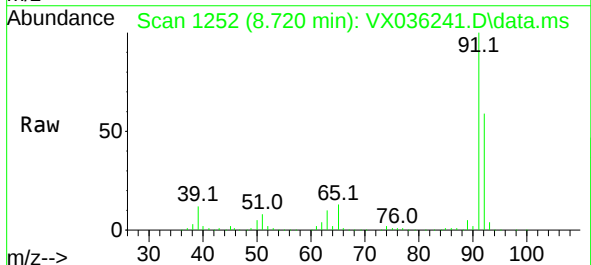
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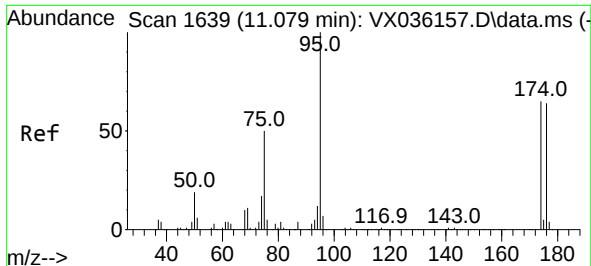
Tgt Ion: 43 Resp: 6616
Ion Ratio Lower Upper
43 100
58 32.1 30.4 45.6



#52
Toluene
Concen: 30.421 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036241.D
Acq: 20 Jun 2023 14:30

Tgt Ion: 92 Resp: 137238
Ion Ratio Lower Upper
92 100
91 167.6 134.2 201.2

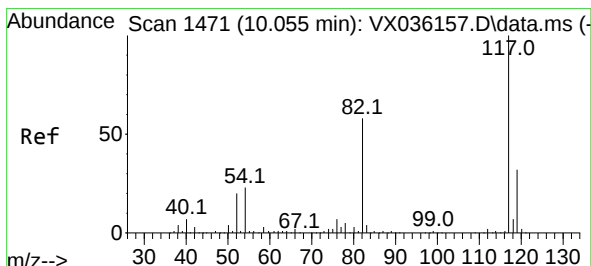
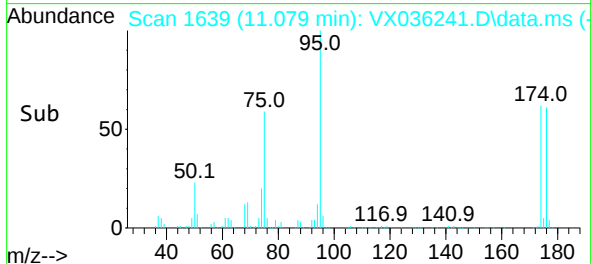
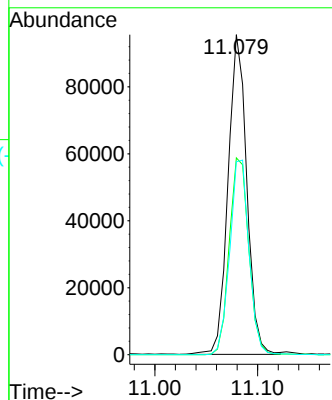
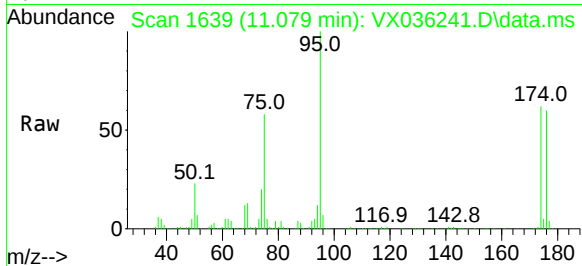




#62
4-Bromofluorobenzene
Concen: 47.042 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036241.D
Acq: 20 Jun 2023 14:30

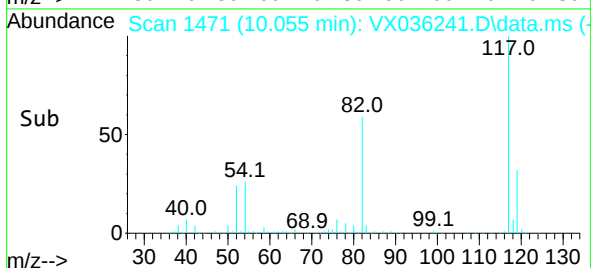
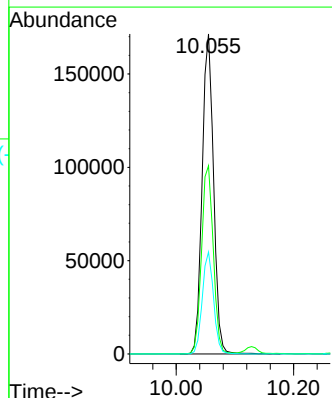
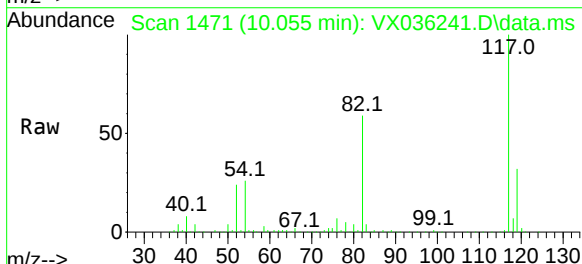
Instrument :
MSVOA_X
ClientSampleId :
MW-3

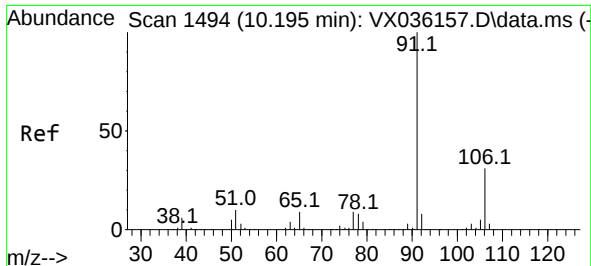
Tgt Ion: 95 Resp: 120823
Ion Ratio Lower Upper
95 100
174 64.1 0.0 135.6
176 62.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036241.D
Acq: 20 Jun 2023 14:30

Tgt Ion: 117 Resp: 230288
Ion Ratio Lower Upper
117 100
82 58.8 46.2 69.4
119 31.9 25.5 38.3

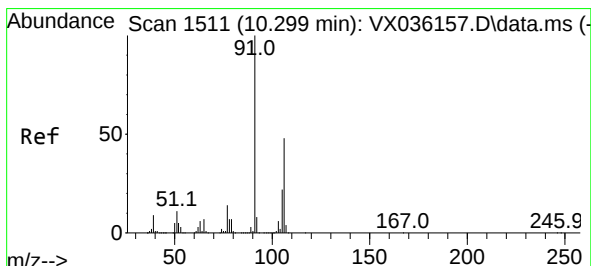
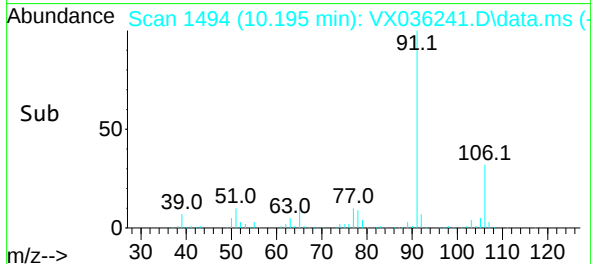
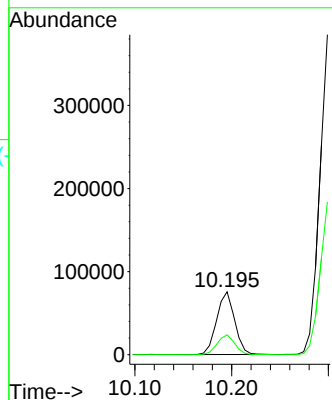
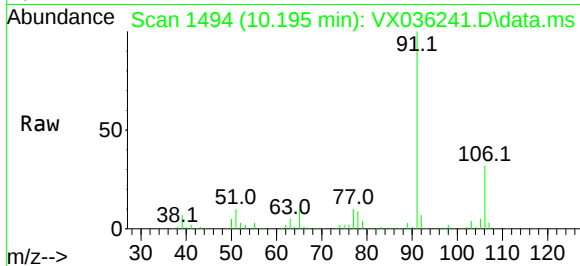




#67
Ethyl Benzene
Concen: 11.371 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036241.D
Acq: 20 Jun 2023 14:30

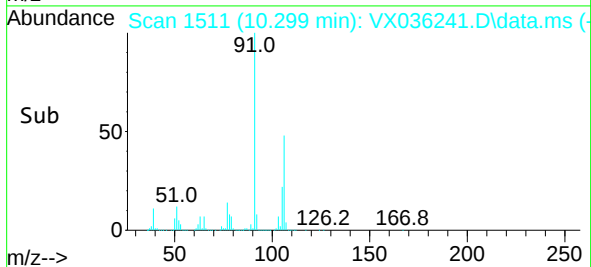
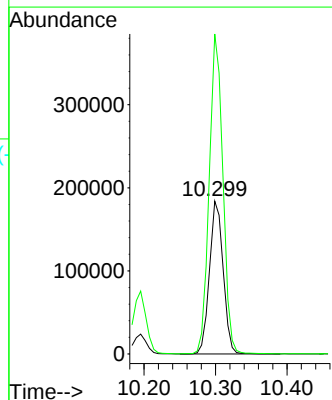
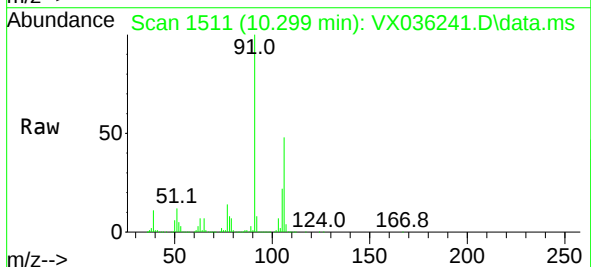
Instrument :
MSVOA_X
ClientSampleId :
MW-3

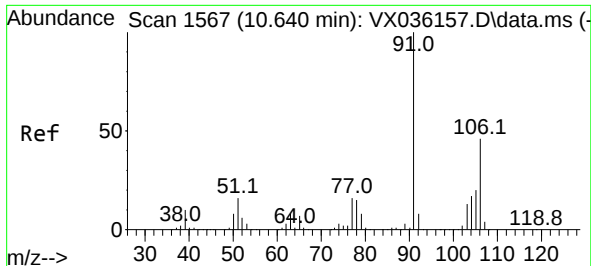
Tgt Ion: 91 Resp: 96904
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3



#68
m/p-Xylenes
Concen: 76.211 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX036241.D
Acq: 20 Jun 2023 14:30

Tgt Ion: 106 Resp: 245047
Ion Ratio Lower Upper
106 100
91 208.4 165.5 248.3

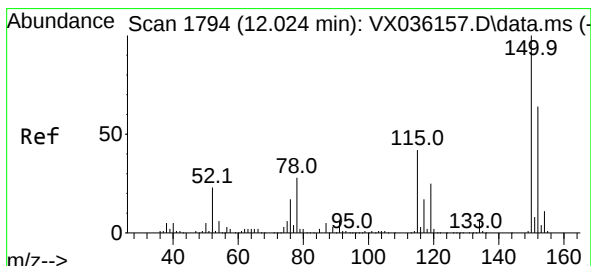
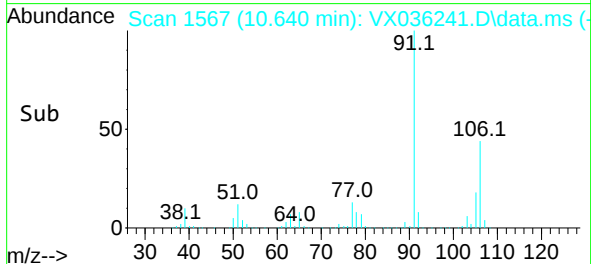
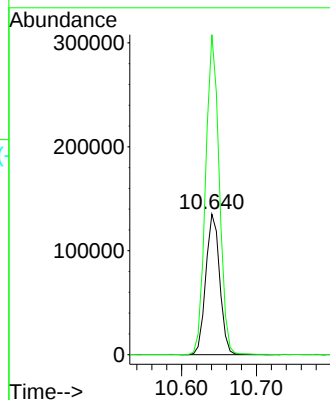
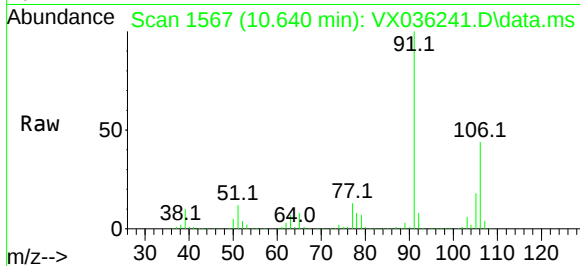




#69
o-Xylene
Concen: 54.981 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036241.D
Acq: 20 Jun 2023 14:30

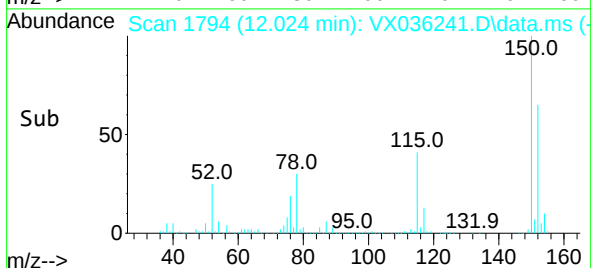
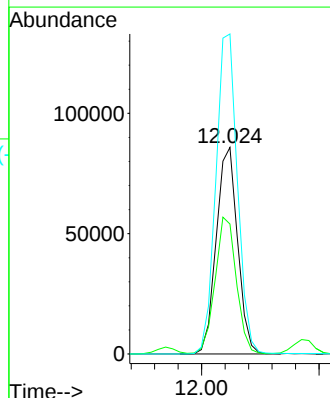
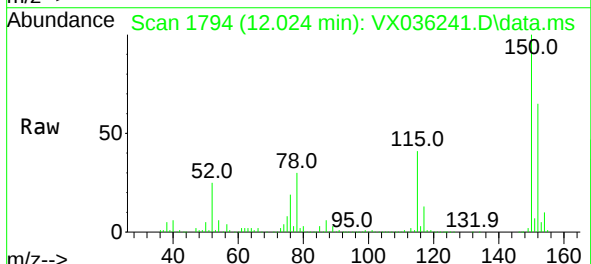
Instrument :
MSVOA_X
ClientSampleId :
MW-3

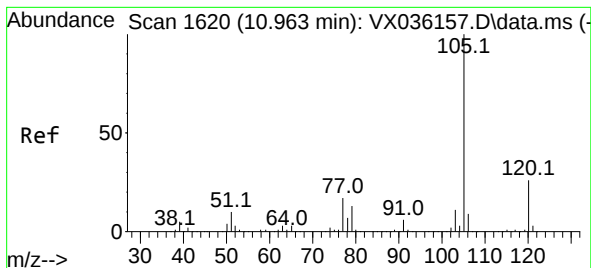
Tgt Ion:106 Resp: 174417
Ion Ratio Lower Upper
106 100
91 222.9 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036241.D
Acq: 20 Jun 2023 14:30

Tgt Ion:152 Resp: 108239
Ion Ratio Lower Upper
152 100
115 66.2 43.3 129.9
150 157.3 0.0 345.0





#73

Isopropylbenzene

Concen: 11.074 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036241.D

Acq: 20 Jun 2023 14:30

Instrument :

MSVOA_X

ClientSampleId :

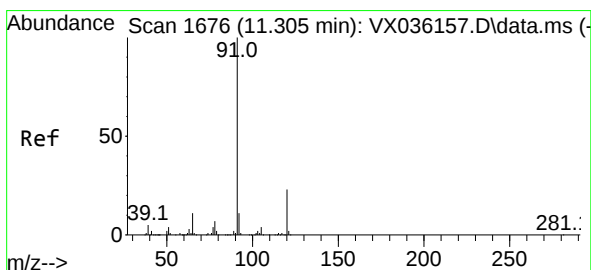
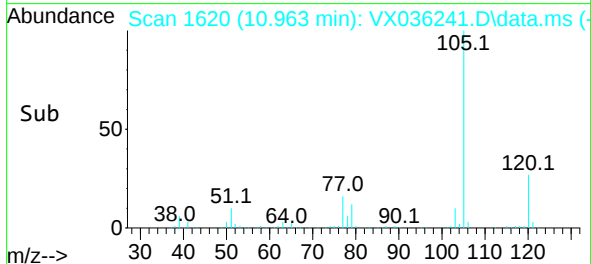
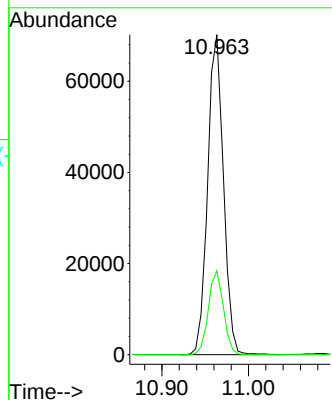
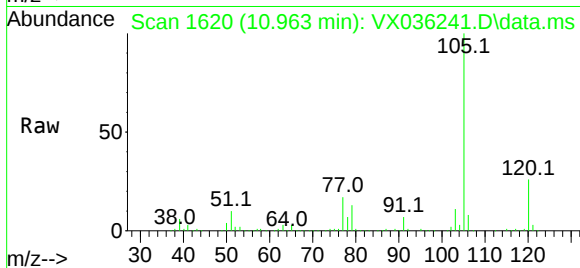
MW-3

Tgt Ion:105 Resp: 88938

Ion Ratio Lower Upper

105 100

120 25.0 12.9 38.6



#78

n-propylbenzene

Concen: 14.072 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX036241.D

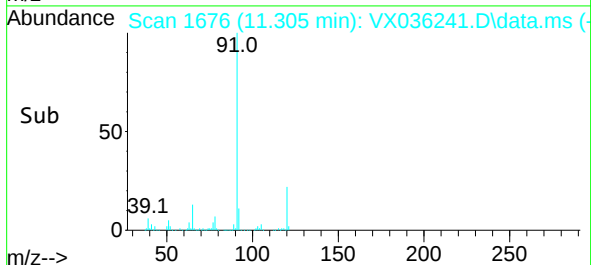
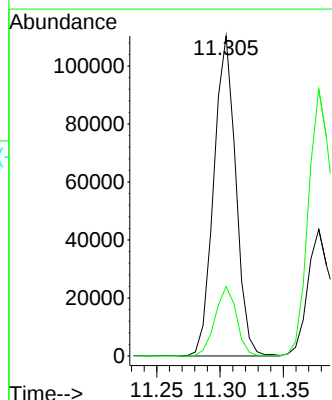
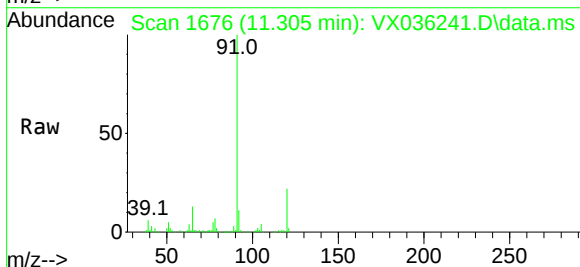
Acq: 20 Jun 2023 14:30

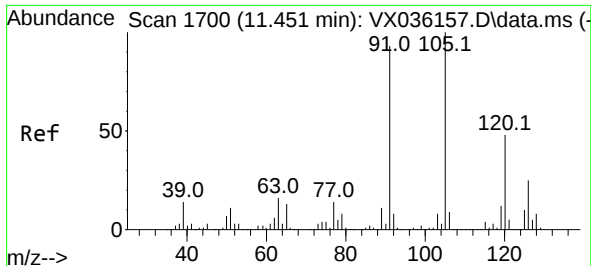
Tgt Ion: 91 Resp: 132959

Ion Ratio Lower Upper

91 100

120 21.2 11.5 34.4

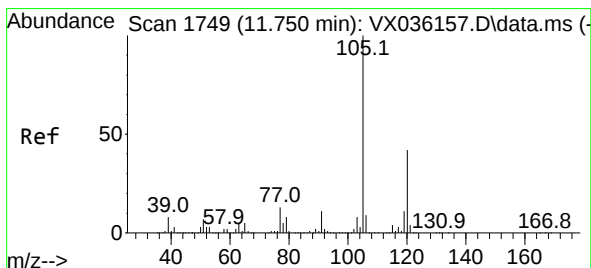
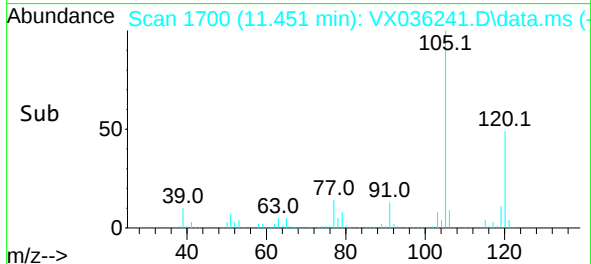
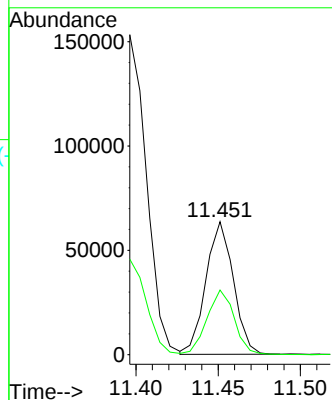
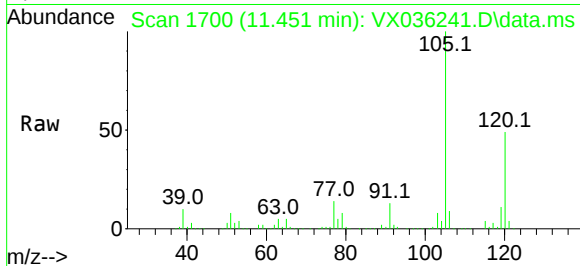




#80
1,3,5-Trimethylbenzene
Concen: 10.816 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX036241.D
Acq: 20 Jun 2023 14:30

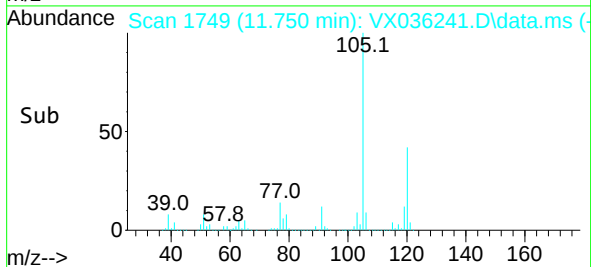
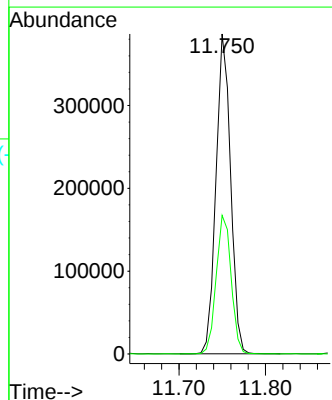
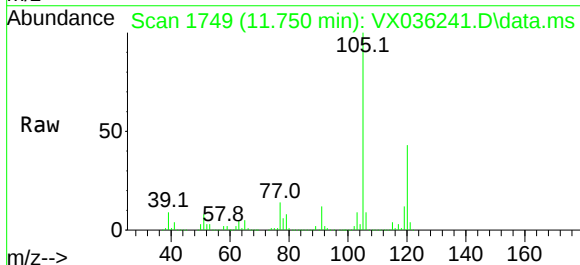
Instrument :
MSVOA_X
ClientSampleId :
MW-3

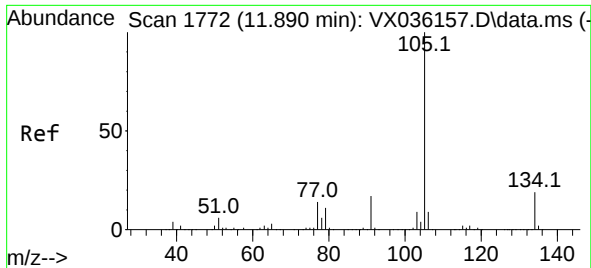
Tgt Ion:105 Resp: 73967
Ion Ratio Lower Upper
105 100
120 48.7 24.1 72.3



#84
1,2,4-Trimethylbenzene
Concen: 66.358 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX036241.D
Acq: 20 Jun 2023 14:30

Tgt Ion:105 Resp: 452663
Ion Ratio Lower Upper
105 100
120 44.6 21.2 63.6

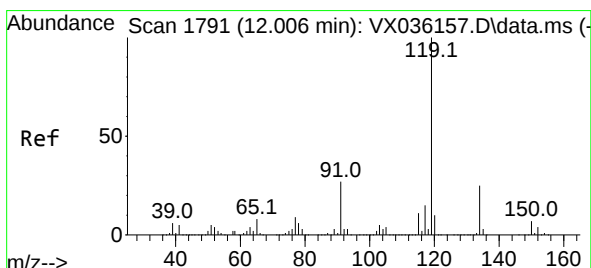
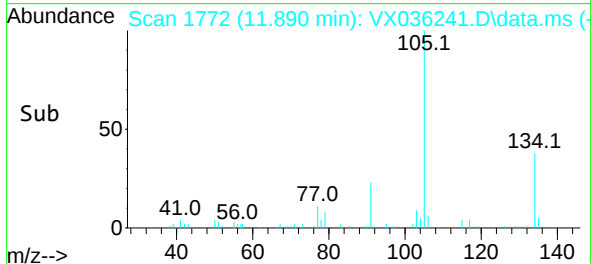
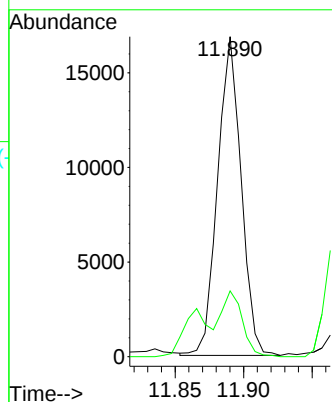
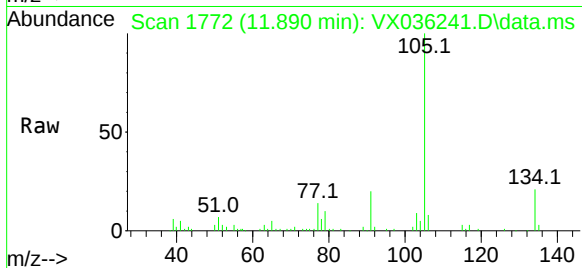




#85
 sec-Butylbenzene
 Concen: 2.478 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX036241.D
 Acq: 20 Jun 2023 14:30

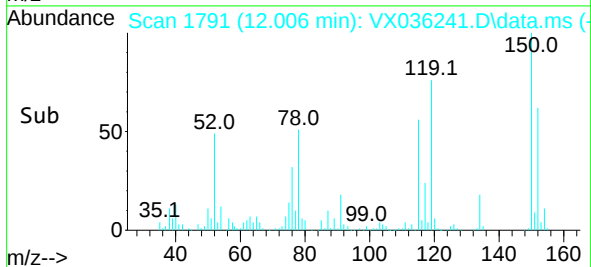
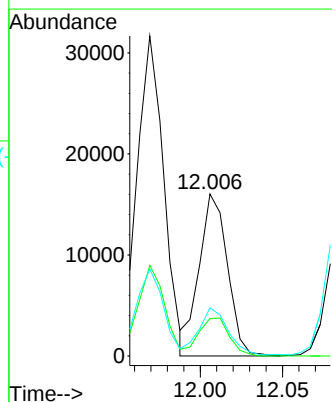
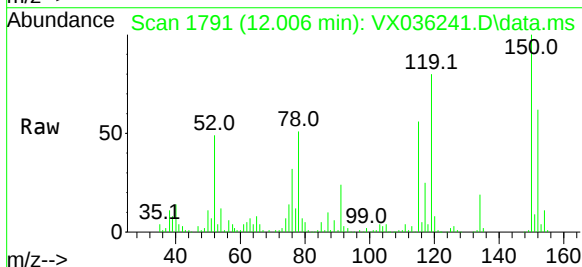
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

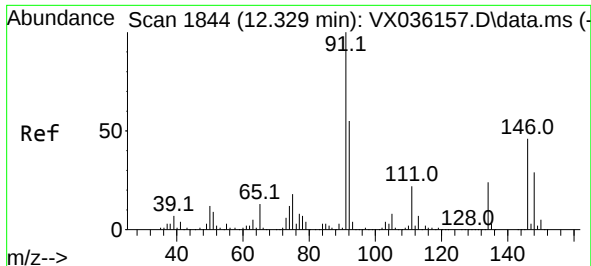
Tgt Ion:105 Resp: 20064
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 2.821 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX036241.D
 Acq: 20 Jun 2023 14:30

Tgt Ion:119 Resp: 19211
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 29.3 13.1 39.3





#89

n-Butylbenzene

Concen: 5.168 ug/l m

RT: 12.329 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036241.D

Acq: 20 Jun 2023 14:30

Instrument :

MSVOA_X

ClientSampleId :

MW-3

Tgt Ion: 91 Resp: 31416

Ion Ratio Lower Upper

91 100

92 0.0 27.4 82.0#

134 0.0 12.6 37.8#

