

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062623\
 Data File : VX036337.D
 Acq On : 26 Jun 2023 18:27
 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 27 04:27:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

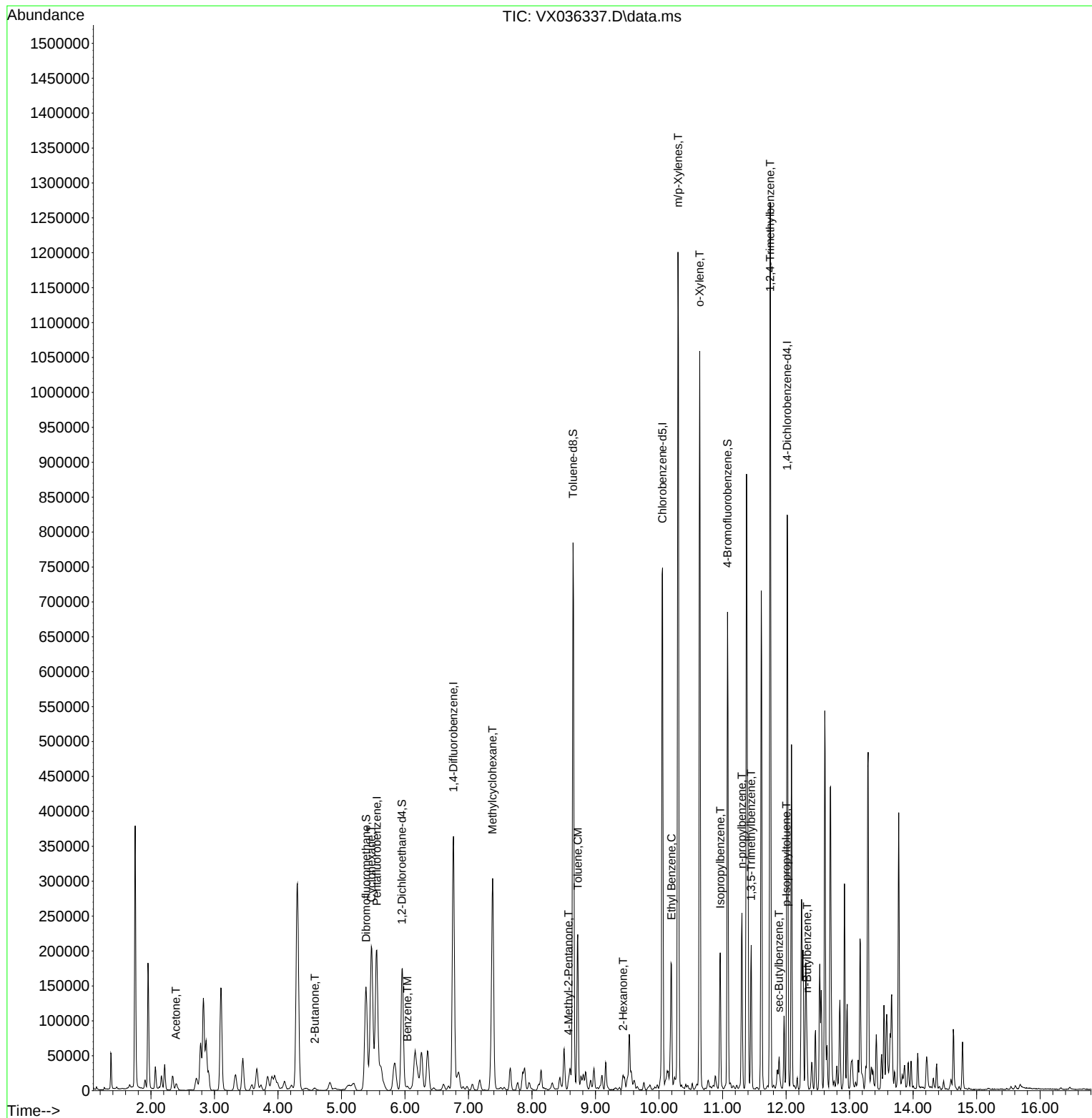
Internal Standards						
1) Pentafluorobenzene	5.556	168	186194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	366124	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	345919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	161518	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	170463	63.869	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 127.740%#	
35) Dibromofluoromethane	5.385	113	126107	52.237	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.480%	
50) Toluene-d8	8.647	98	461759	51.211	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.420%	
62) 4-Bromofluorobenzene	11.079	95	176736	55.647	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.300%	
Target Compounds						
					Qvalue	
16) Acetone	2.392	43	14087	12.348	ug/l	95
25) 2-Butanone	4.580	43	6086	3.713	ug/l #	87
31) Cyclohexane	5.471	56	146695	42.890	ug/l	95
39) Methylcyclohexane	7.379	83	134445	31.193	ug/l	96
40) Benzene	6.038	78	6057	0.603	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	8065	2.139	ug/l	97
52) Toluene	8.720	92	83322	13.079	ug/l	94
59) 2-Hexanone	9.433	43	5219	1.896	ug/l	84
67) Ethyl Benzene	10.195	91	100972	7.811	ug/l	95
68) m/p-Xylenes	10.299	106	275086	54.769	ug/l	98
69) o-Xylene	10.640	106	216242	44.584	ug/l	99
73) Isopropylbenzene	10.963	105	100018	8.217	ug/l	98
78) n-propylbenzene	11.305	91	142227	10.005	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	85153	8.261	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	525576	51.536	ug/l	95
85) sec-Butylbenzene	11.890	105	22130	1.768	ug/l	94
86) p-Isopropyltoluene	12.006	119	20858	1.986	ug/l	98
89) n-Butylbenzene	12.329	91	32123	3.437	ug/l #	41

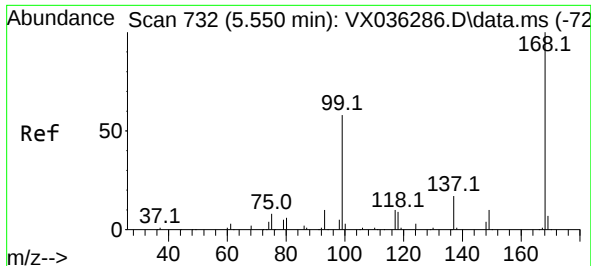
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 27 04:27:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 2023
Response via : Initial Calibration

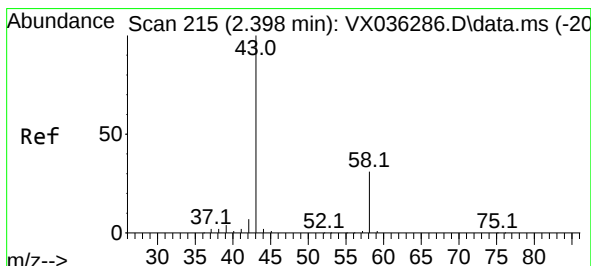
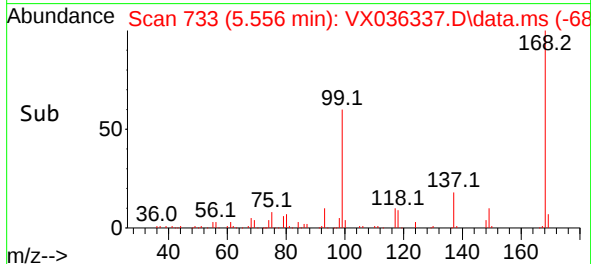
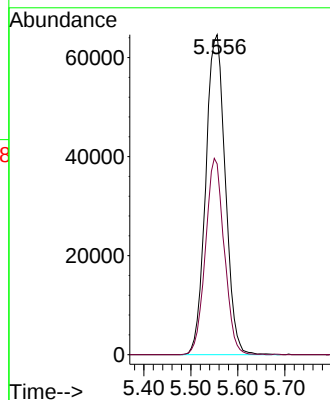
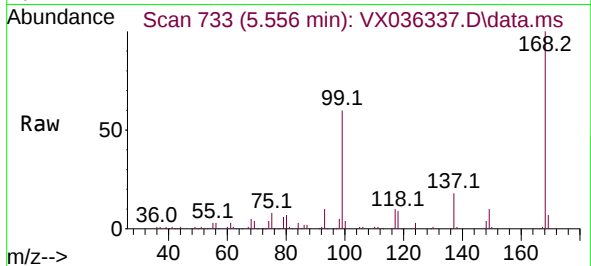




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036337.D
Acq: 26 Jun 2023 18:27

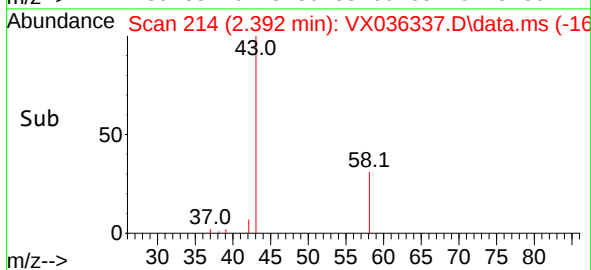
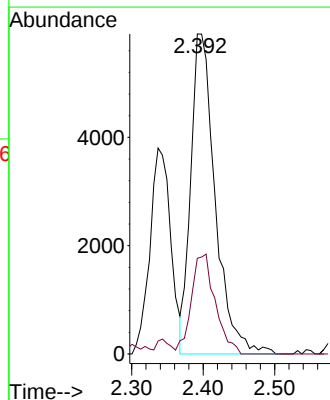
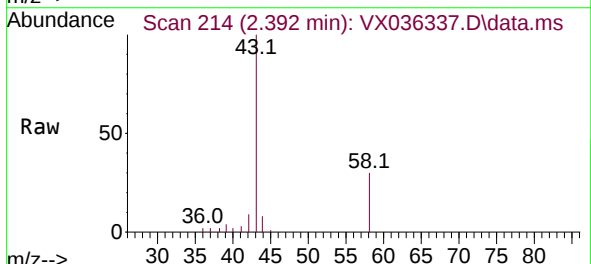
Instrument :
MSVOA_X
ClientSampleId :
MW-3

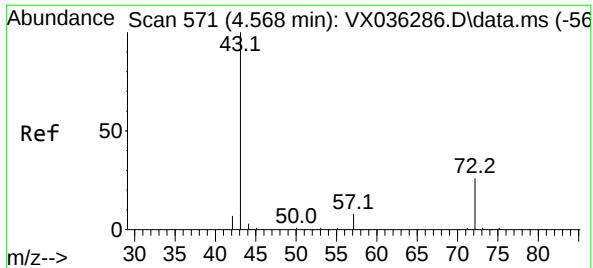
Tgt Ion:168 Resp: 186194
Ion Ratio Lower Upper
168 100
99 59.6 56.6 85.0



#16
Acetone
Concen: 12.348 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX036337.D
Acq: 26 Jun 2023 18:27

Tgt Ion: 43 Resp: 14087
Ion Ratio Lower Upper
43 100
58 29.9 21.9 32.9

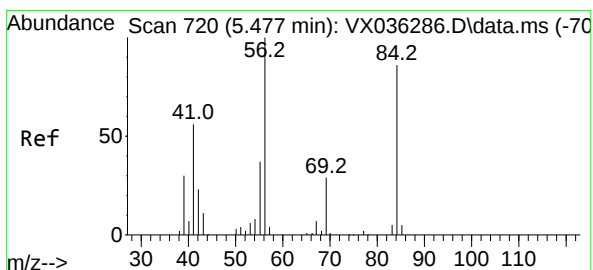
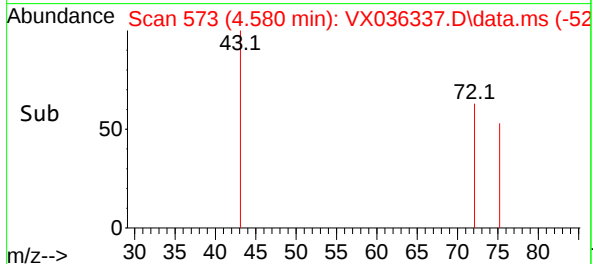
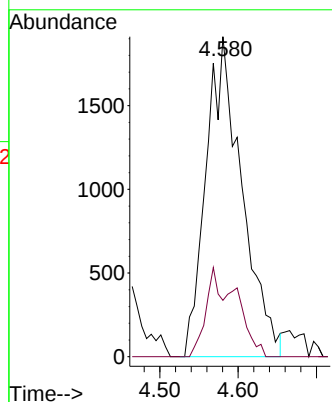
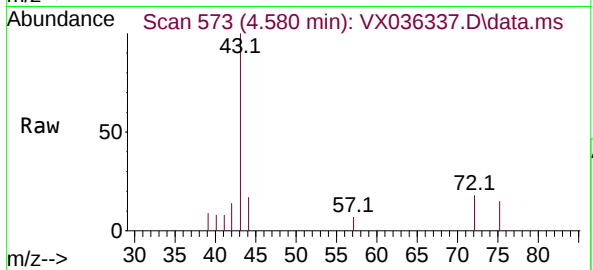




#25
2-Butanone
Concen: 3.713 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX036337.D
Acq: 26 Jun 2023 18:27

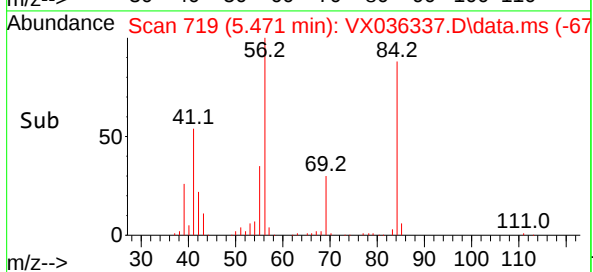
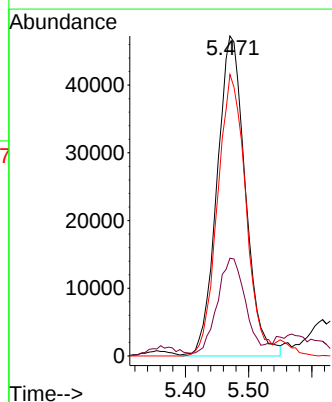
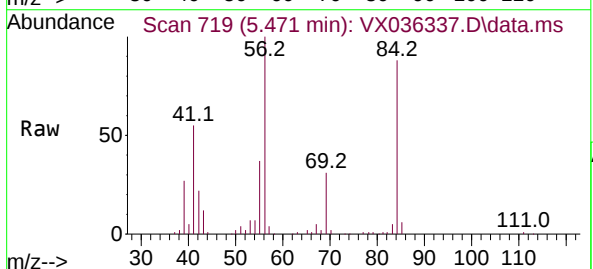
Instrument :
MSVOA_X
ClientSampleId :
MW-3

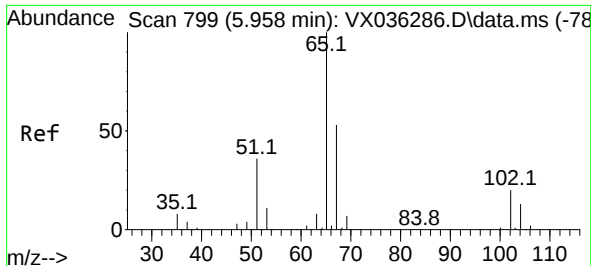
Tgt Ion: 43 Resp: 6086
Ion Ratio Lower Upper
43 100
72 17.6 19.4 29.2#



#31
Cyclohexane
Concen: 42.890 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.001 min
Lab File: VX036337.D
Acq: 26 Jun 2023 18:27

Tgt Ion: 56 Resp: 146695
Ion Ratio Lower Upper
56 100
69 28.6 23.4 35.2
84 88.2 65.9 98.9

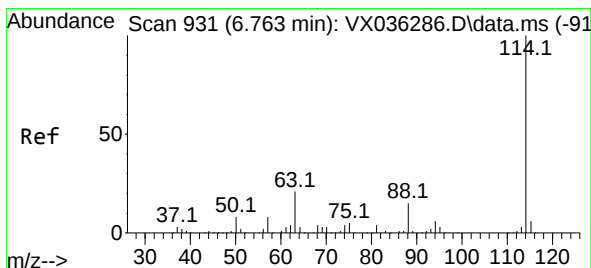
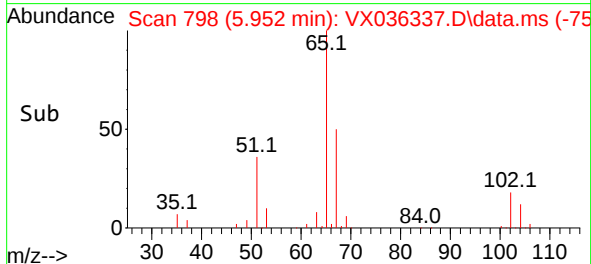
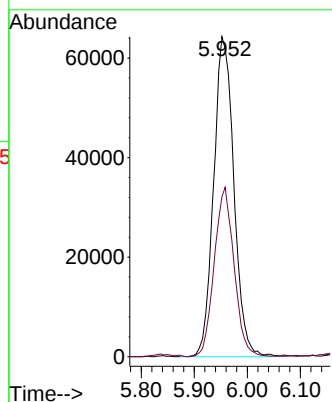
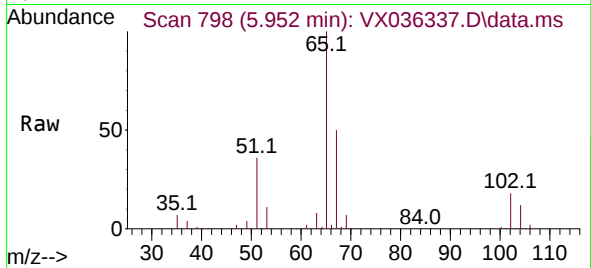




#33
 1,2-Dichloroethane-d4
 Concen: 63.869 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX036337.D
 Acq: 26 Jun 2023 18:27

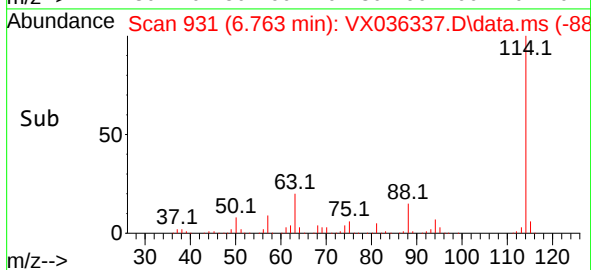
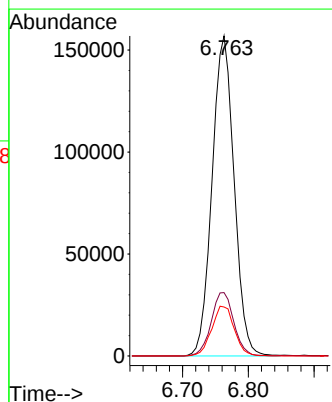
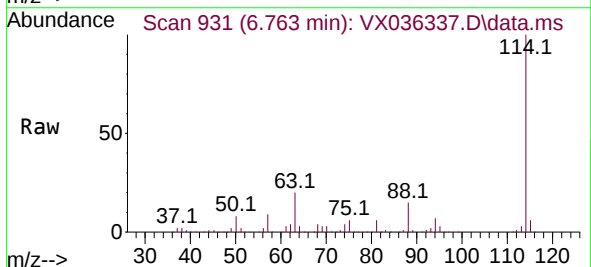
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

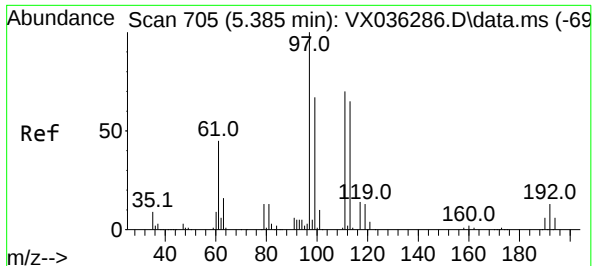
Tgt Ion: 65 Resp: 170463
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX036337.D
 Acq: 26 Jun 2023 18:27

Tgt Ion: 114 Resp: 366124
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 45.0
 88 15.3 0.0 36.6

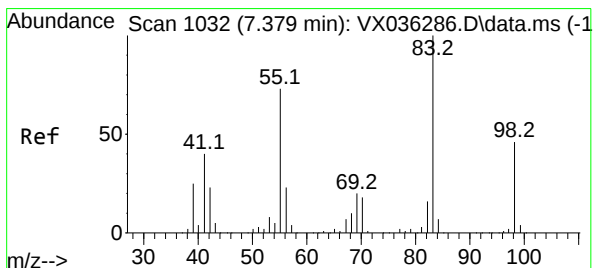
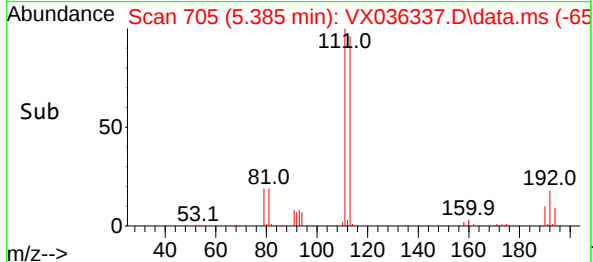
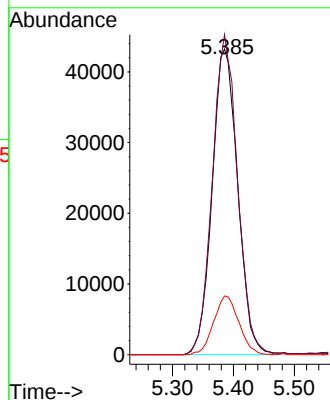
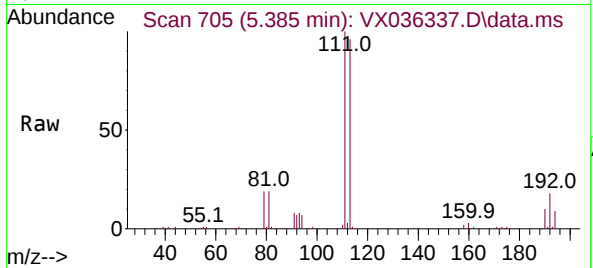




#35
Dibromofluoromethane
Concen: 52.237 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036337.D
Acq: 26 Jun 2023 18:27

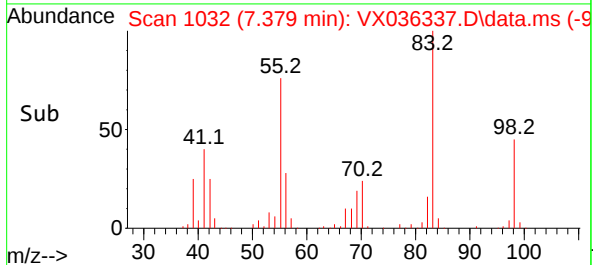
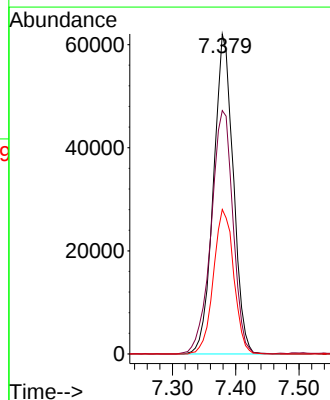
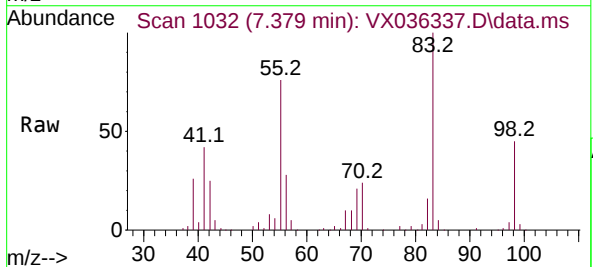
Instrument :
MSVOA_X
ClientSampleId :
MW-3

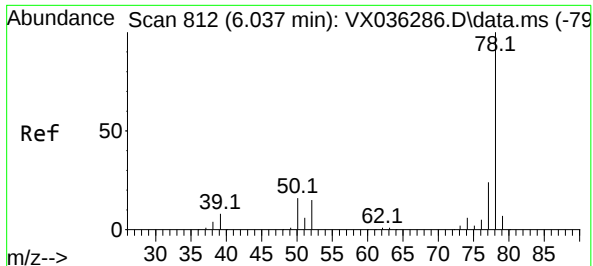
Tgt Ion:113 Resp: 126107
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 18.9 13.3 19.9



#39
Methylcyclohexane
Concen: 31.193 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.001 min
Lab File: VX036337.D
Acq: 26 Jun 2023 18:27

Tgt Ion: 83 Resp: 134445
Ion Ratio Lower Upper
83 100
55 75.9 64.6 97.0
98 45.1 36.7 55.1





#40

Benzene

Concen: 0.603 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.001 min

Lab File: VX036337.D

Acq: 26 Jun 2023 18:27

Instrument :

MSVOA_X

ClientSampleId :

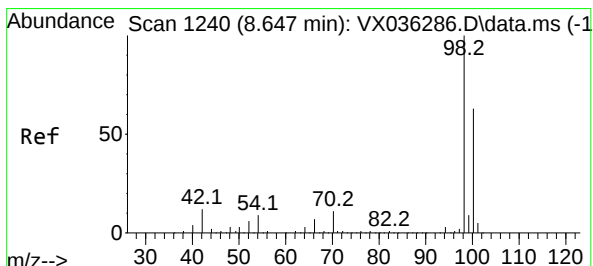
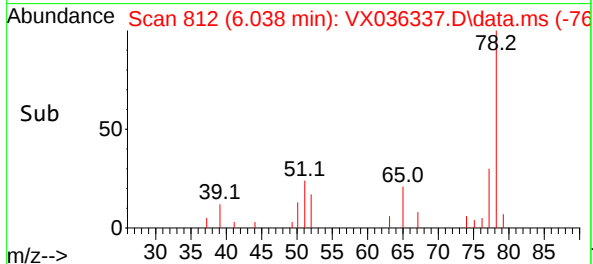
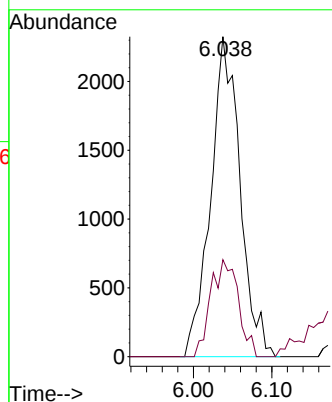
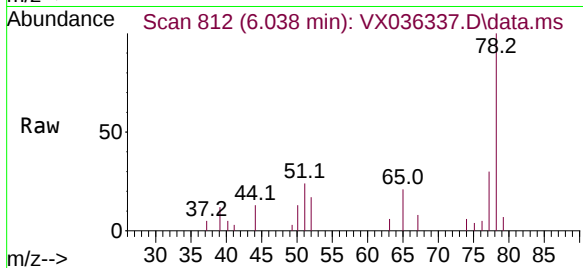
MW-3

Tgt Ion: 78 Resp: 6057

Ion Ratio Lower Upper

78 100

77 30.3 19.3 28.9#



#50

Toluene-d8

Concen: 51.211 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX036337.D

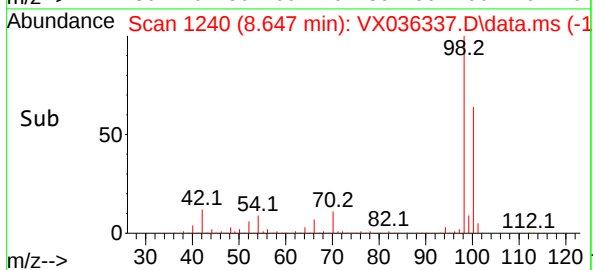
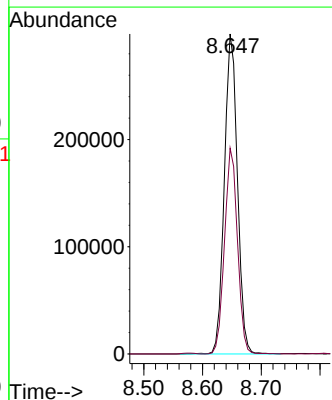
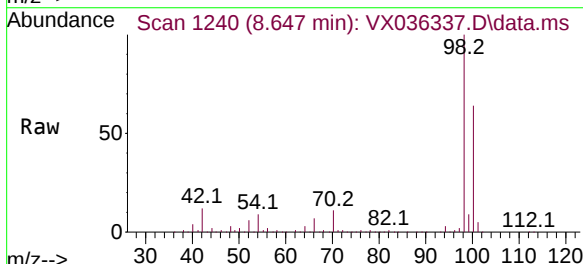
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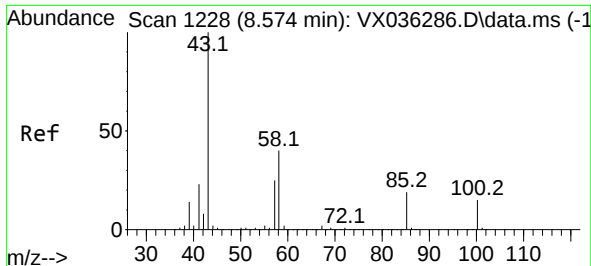
Tgt Ion: 98 Resp: 461759

Ion Ratio Lower Upper

98 100

100 63.7 53.1 79.7

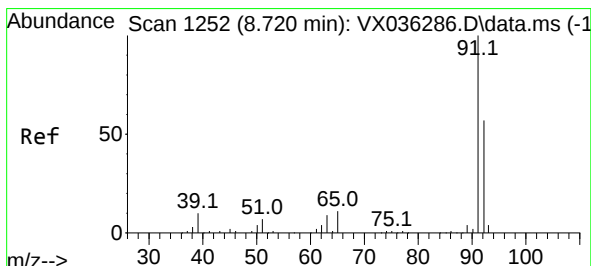
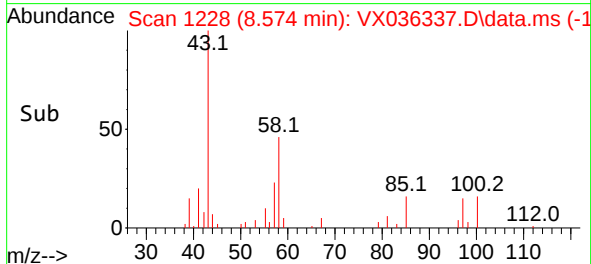
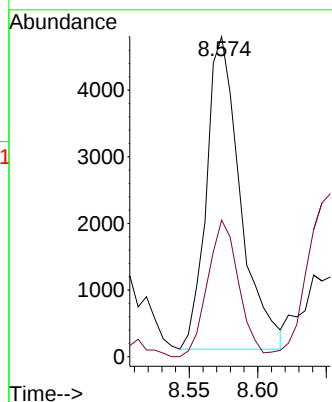
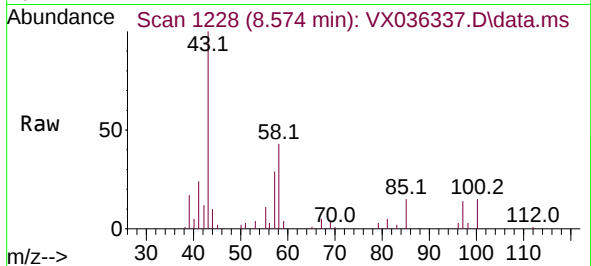




#51
4-Methyl-2-Pentanone
Concen: 2.139 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036337.D
Acq: 26 Jun 2023 18:27

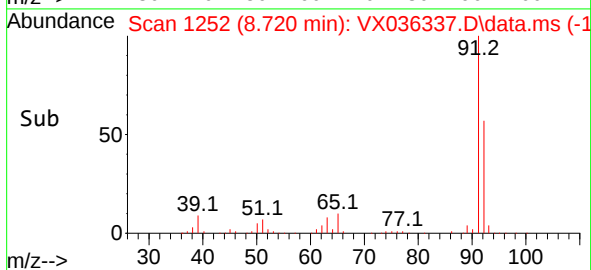
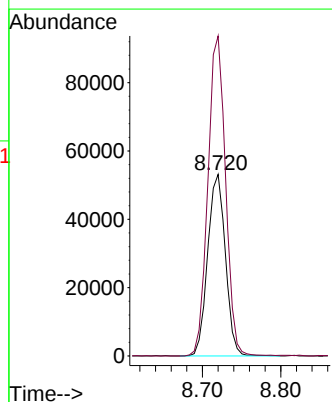
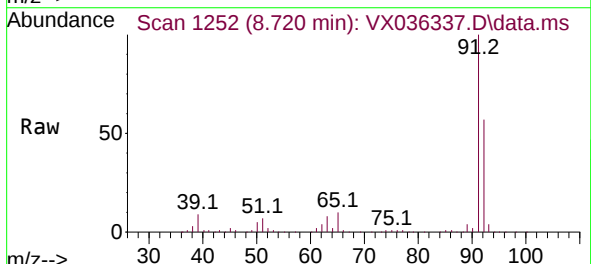
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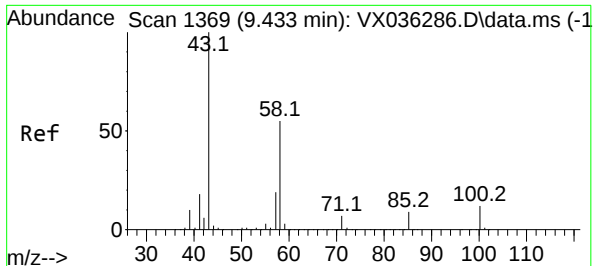
Tgt Ion: 43 Resp: 8065
Ion Ratio Lower Upper
43 100
58 40.0 30.4 45.6



#52
Toluene
Concen: 13.079 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036337.D
Acq: 26 Jun 2023 18:27

Tgt Ion: 92 Resp: 83322
Ion Ratio Lower Upper
92 100
91 176.0 134.2 201.2





#59

2-Hexanone

Concen: 1.896 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX036337.D

Acq: 26 Jun 2023 18:27

Instrument :

MSVOA_X

ClientSampleId :

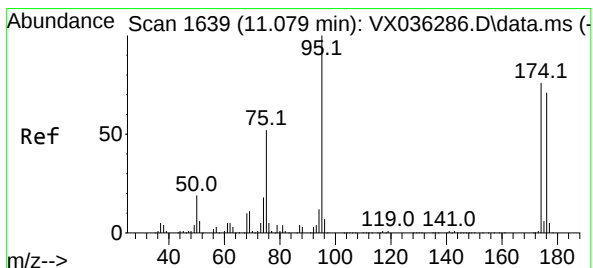
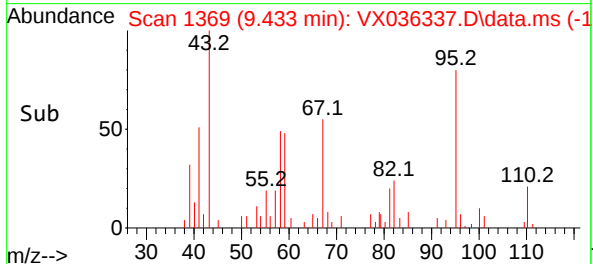
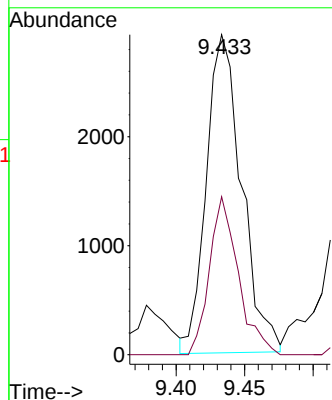
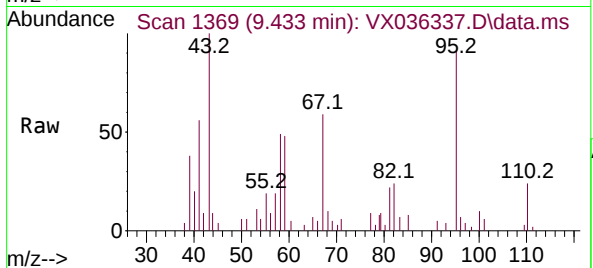
MW-3

Tgt Ion: 43 Resp: 5219

Ion Ratio Lower Upper

43 100

58 40.7 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 55.647 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX036337.D

Acq: 26 Jun 2023 18:27

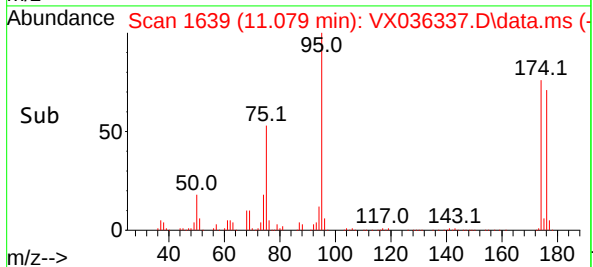
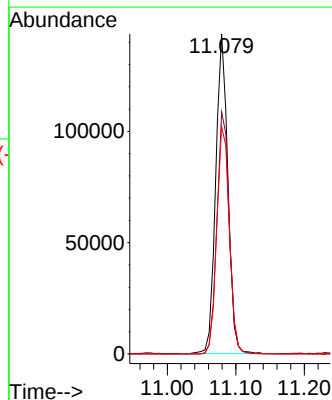
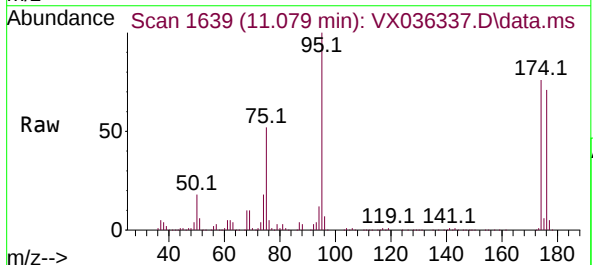
Tgt Ion: 95 Resp: 176736

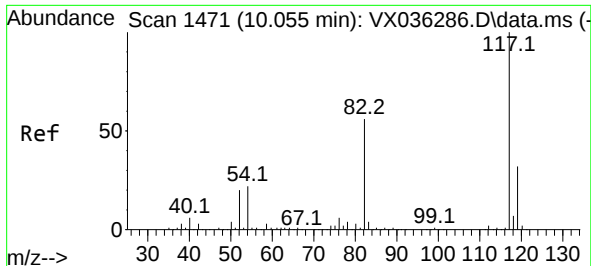
Ion Ratio Lower Upper

95 100

174 76.6 0.0 135.6

176 73.3 0.0 131.0

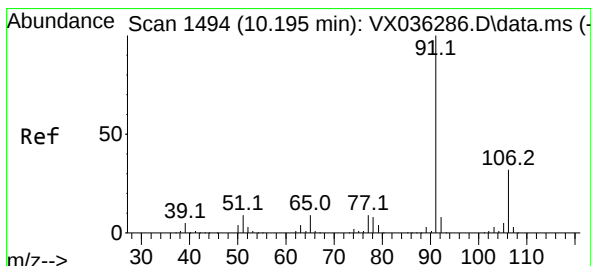
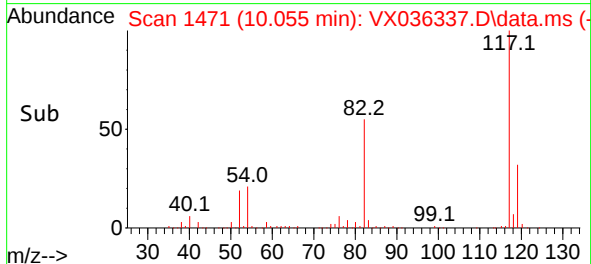
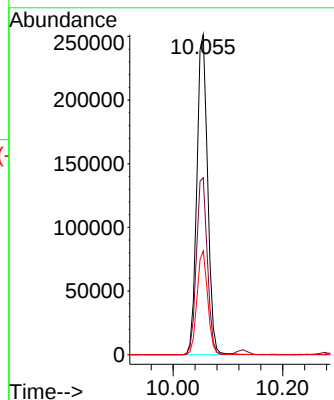
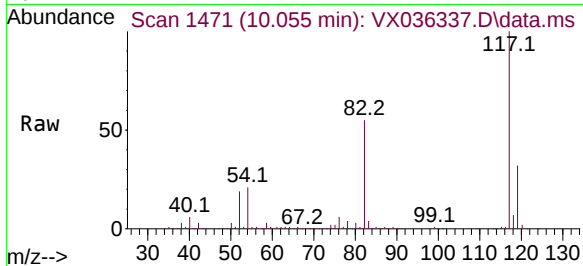




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036337.D
Acq: 26 Jun 2023 18:27

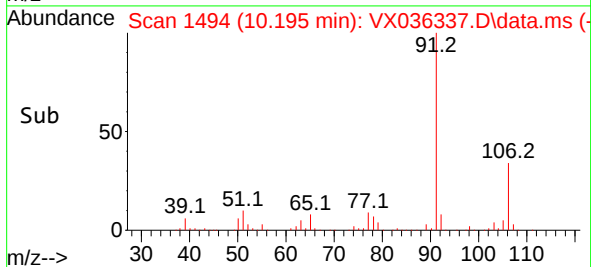
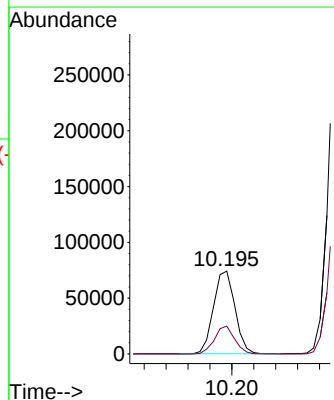
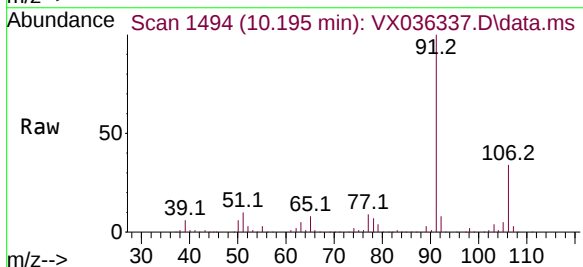
Instrument :
MSVOA_X
ClientSampleId :
MW-3

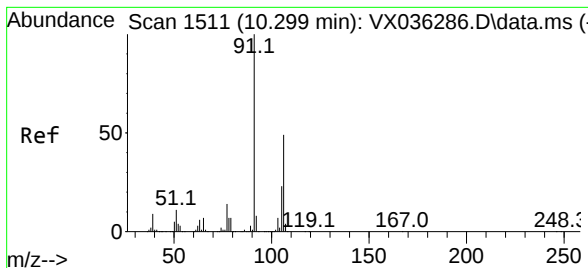
Tgt Ion:117 Resp: 345919
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.4 25.5 38.3



#67
Ethyl Benzene
Concen: 7.811 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036337.D
Acq: 26 Jun 2023 18:27

Tgt Ion: 91 Resp: 100972
Ion Ratio Lower Upper
91 100
106 33.7 24.9 37.3

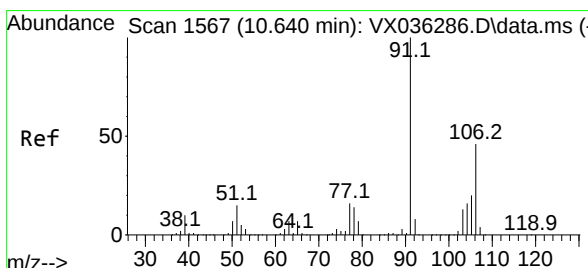
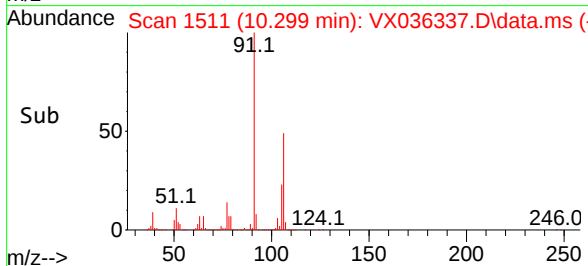
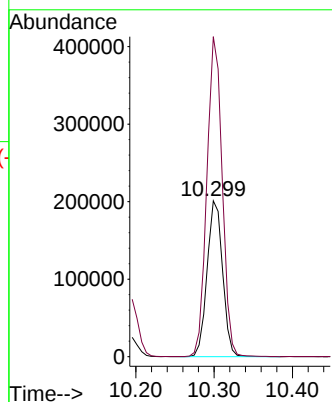
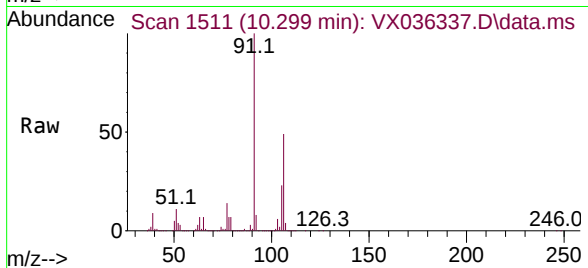




#68
m/p-Xylenes
Concen: 54.769 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX036337.D
Acq: 26 Jun 2023 18:27

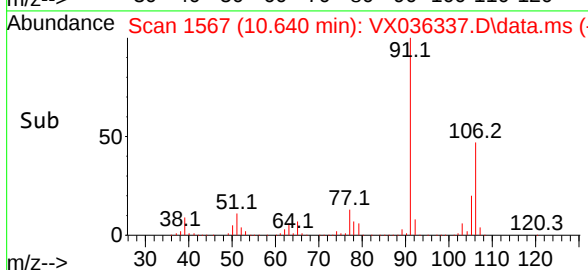
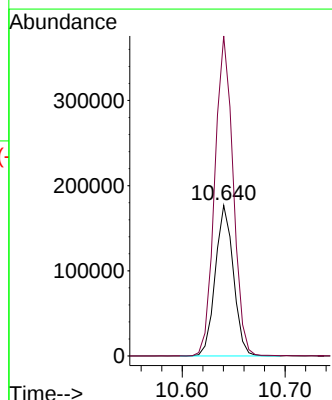
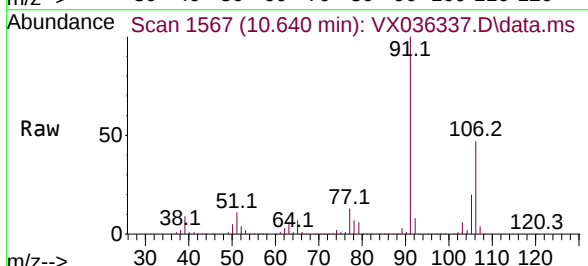
Instrument :
MSVOA_X
ClientSampleId :
MW-3

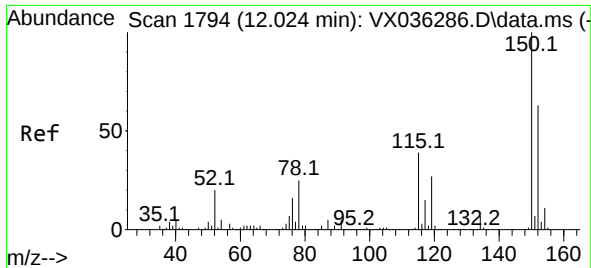
Tgt Ion:106 Resp: 275086
Ion Ratio Lower Upper
106 100
91 203.7 165.5 248.3



#69
o-Xylene
Concen: 44.584 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX036337.D
Acq: 26 Jun 2023 18:27

Tgt Ion:106 Resp: 216242
Ion Ratio Lower Upper
106 100
91 215.8 108.9 326.8

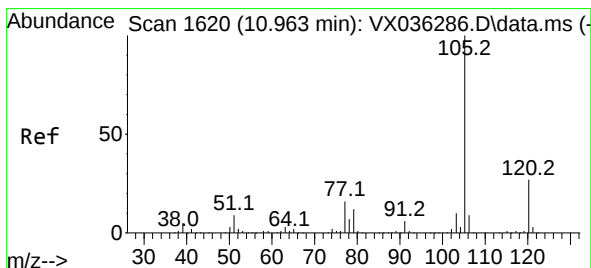
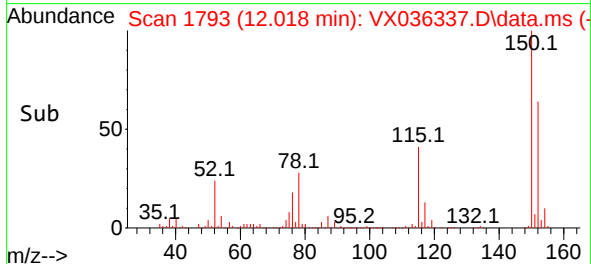
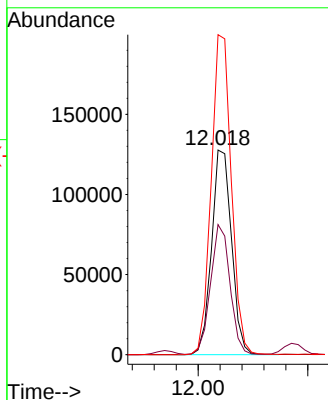
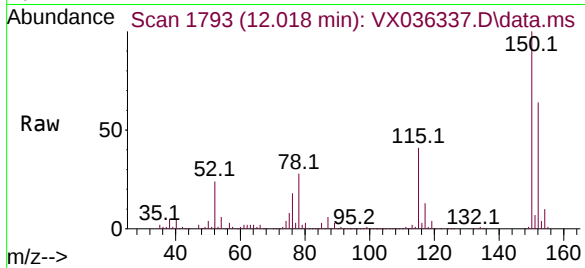




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX036337.D
Acq: 26 Jun 2023 18:27

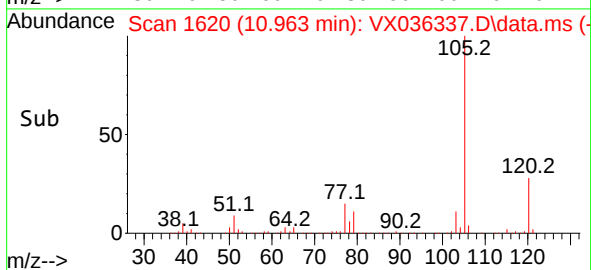
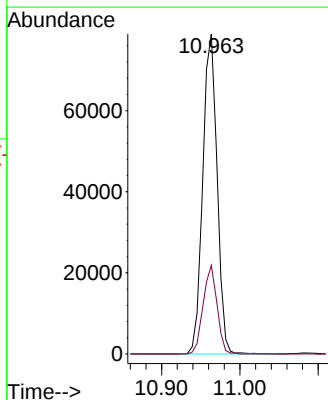
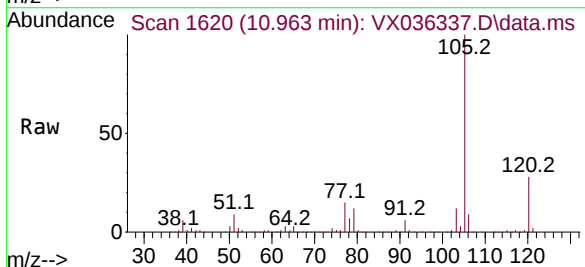
Instrument :
MSVOA_X
ClientSampleId :
MW-3

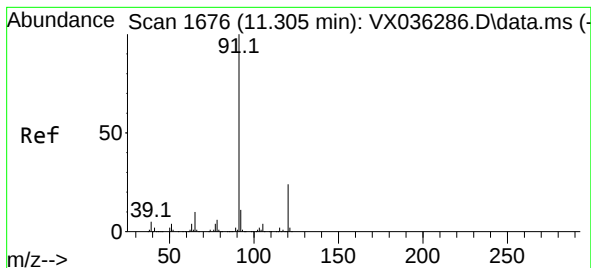
Tgt Ion:152 Resp: 161518
Ion Ratio Lower Upper
152 100
115 61.8 43.3 129.9
150 157.4 0.0 345.0



#73
Isopropylbenzene
Concen: 8.217 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX036337.D
Acq: 26 Jun 2023 18:27

Tgt Ion:105 Resp: 100018
Ion Ratio Lower Upper
105 100
120 26.7 12.9 38.6





#78

n-propylbenzene

Concen: 10.005 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX036337.D

Acq: 26 Jun 2023 18:27

Instrument :

MSVOA_X

ClientSampleId :

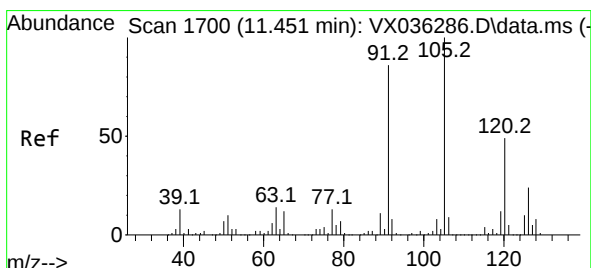
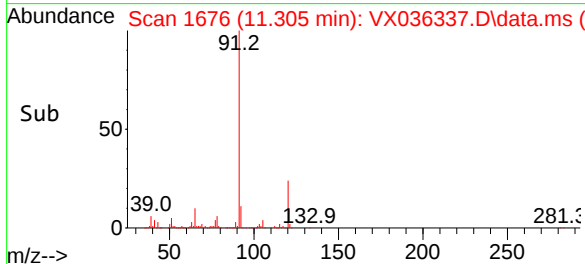
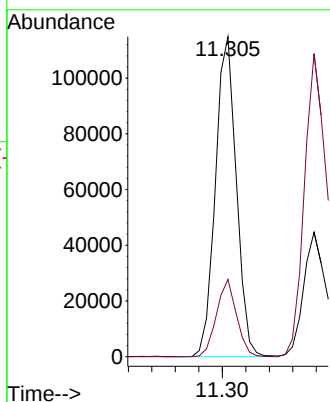
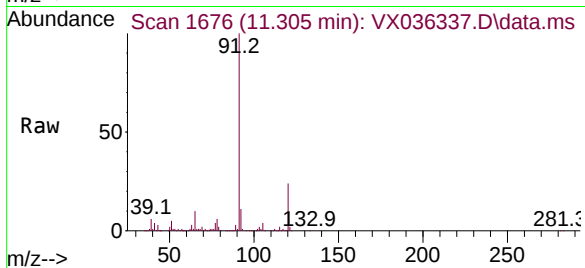
MW-3

Tgt Ion: 91 Resp: 142227

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 8.261 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX036337.D

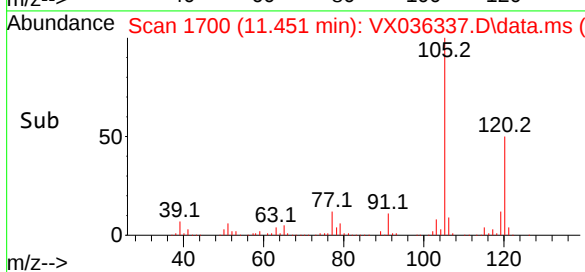
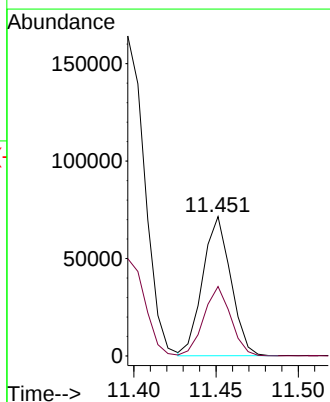
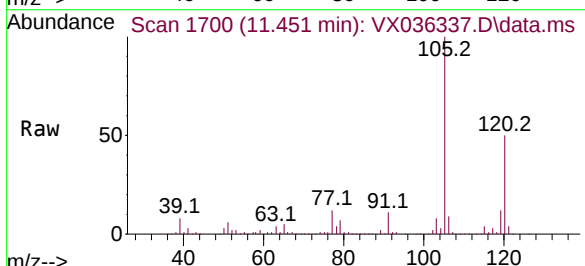
Acq: 26 Jun 2023 18:27

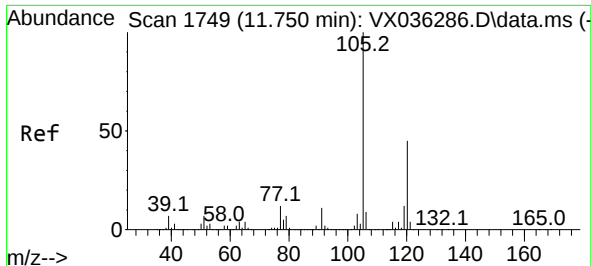
Tgt Ion:105 Resp: 85153

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.3

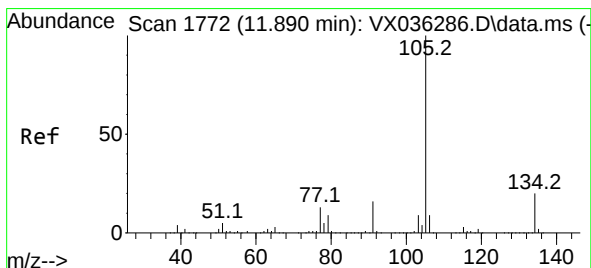
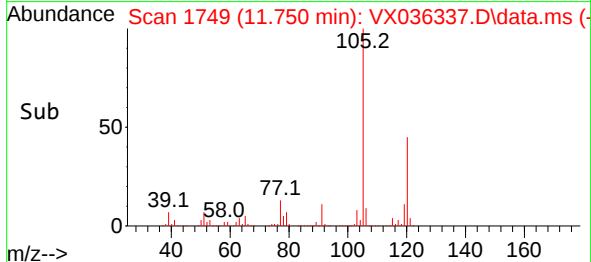
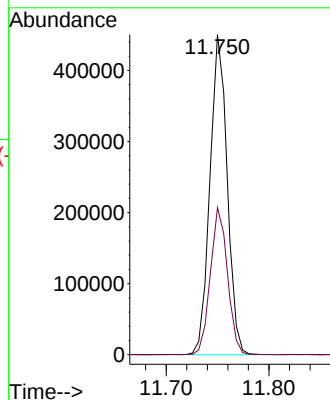
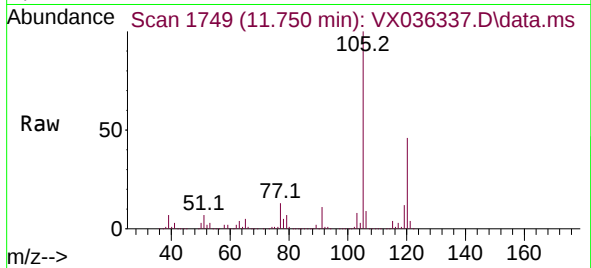




#84
1,2,4-Trimethylbenzene
Concen: 51.536 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX036337.D
Acq: 26 Jun 2023 18:27

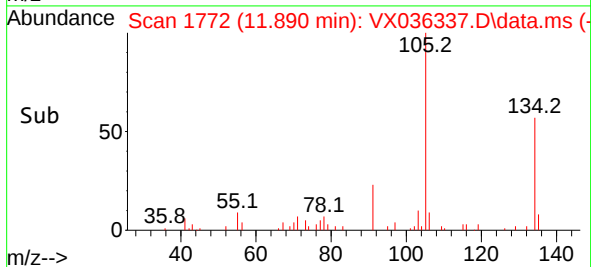
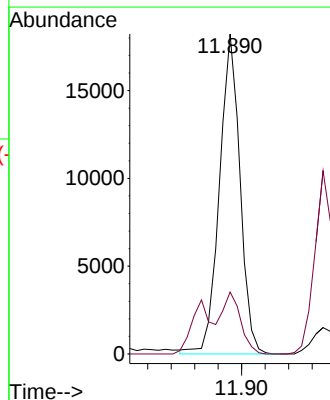
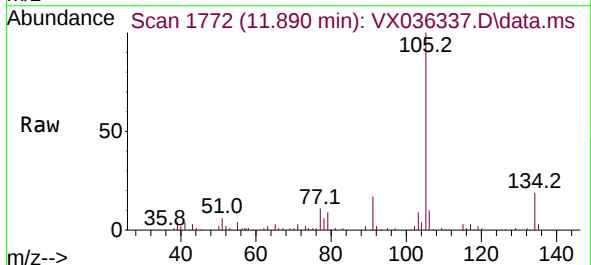
Instrument :
MSVOA_X
ClientSampleId :
MW-3

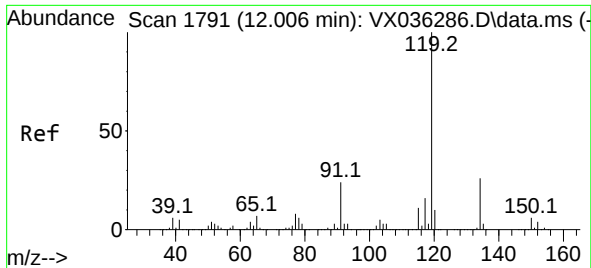
Tgt Ion:105 Resp: 525576
Ion Ratio Lower Upper
105 100
120 45.7 21.2 63.6



#85
sec-Butylbenzene
Concen: 1.768 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX036337.D
Acq: 26 Jun 2023 18:27

Tgt Ion:105 Resp: 22130
Ion Ratio Lower Upper
105 100
134 17.1 9.8 29.4

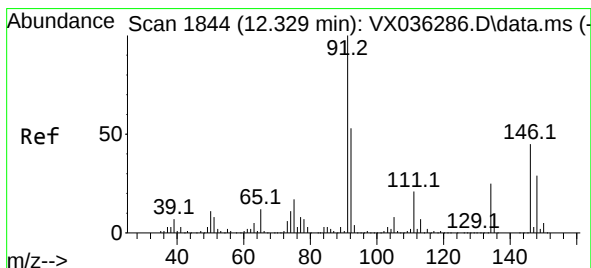
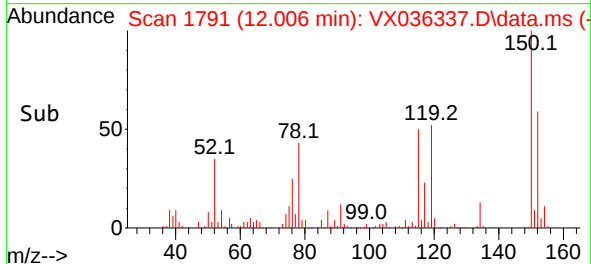
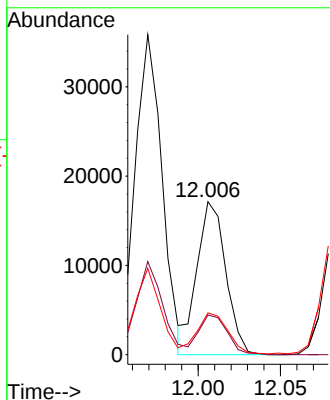
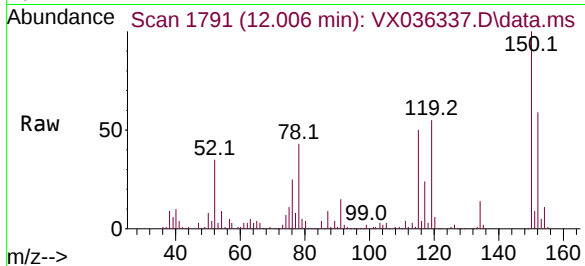




#86
p-Isopropyltoluene
Concen: 1.986 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX036337.D
Acq: 26 Jun 2023 18:27

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tgt Ion:119 Resp: 20858
Ion Ratio Lower Upper
119 100
134 25.3 12.8 38.3
91 28.4 13.1 39.3



#89
n-Butylbenzene
Concen: 3.437 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX036337.D
Acq: 26 Jun 2023 18:27

Tgt Ion: 91 Resp: 32123
Ion Ratio Lower Upper
91 100
92 37.7 27.4 82.0
134 93.4 12.6 37.8#

