

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070623\
 Data File : VX036444.D
 Acq On : 06 Jul 2023 19:03
 Operator : JC/MD
 Sample : 03500-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Jul 07 01:52:45 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	170911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	287944	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	261726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121683	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	106785	43.588	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.180%
35) Dibromofluoromethane	5.391	113	89797	47.296	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.600%
50) Toluene-d8	8.647	98	345769	48.759	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.520%
62) 4-Bromofluorobenzene	11.079	95	133070	53.275	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.540%

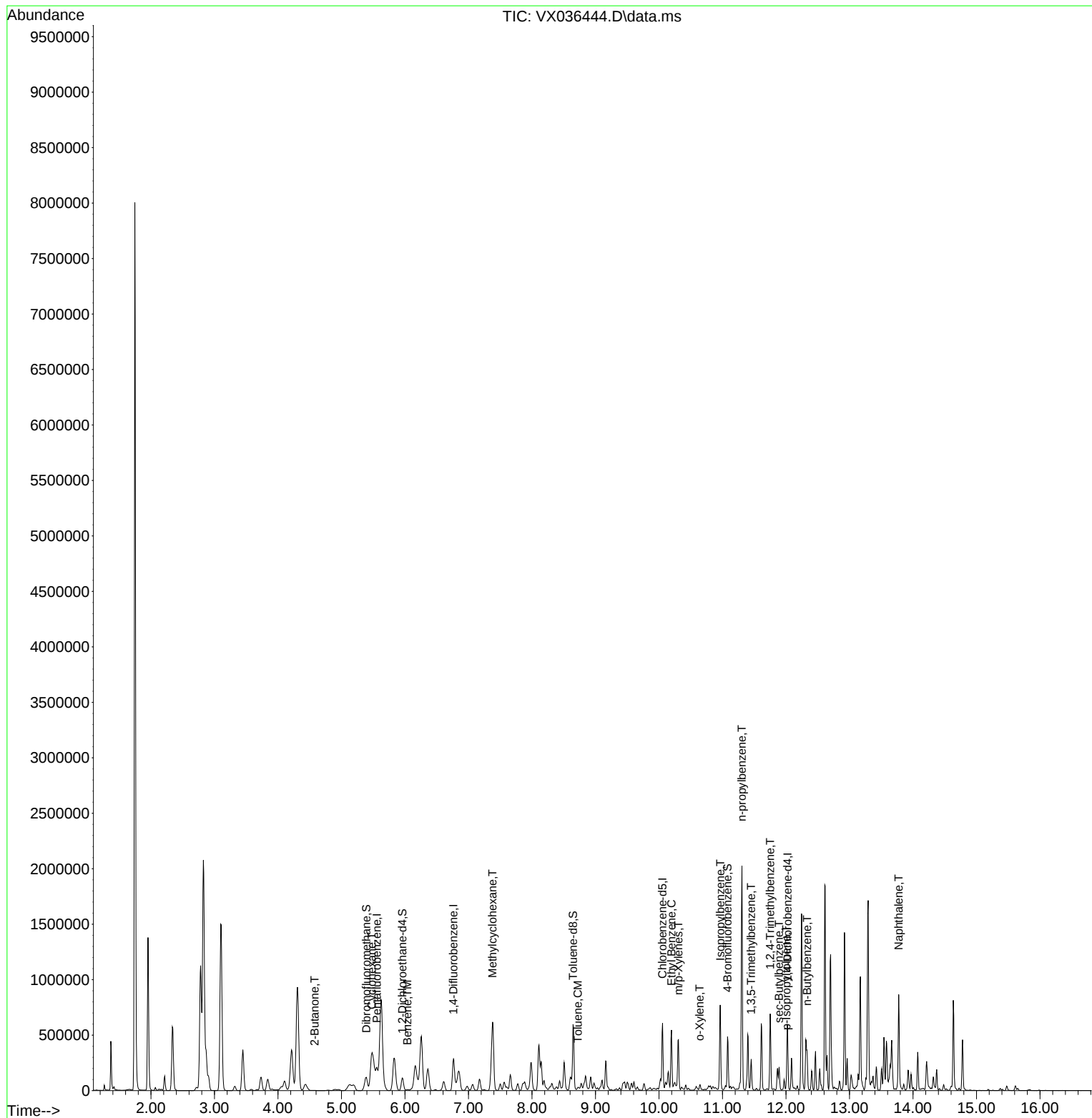
Target Compounds					Qvalue
25) 2-Butanone	4.574	43	3283	2.182	ug/l 96
31) Cyclohexane	5.477	56	243882	77.682	ug/l 96
39) Methylcyclohexane	7.379	83	274527	80.987	ug/l 99
40) Benzene	6.038	78	11376	1.439	ug/l 98
52) Toluene	8.720	92	8367	1.670	ug/l 95
67) Ethyl Benzene	10.195	91	296972	30.362	ug/l 97
68) m/p-Xylenes	10.305	106	101834	26.797	ug/l 100
69) o-Xylene	10.640	106	6473	1.764	ug/l 96
73) Isopropylbenzene	10.964	105	380779	41.524	ug/l 97
78) n-propylbenzene	11.305	91	1171401	109.380	ug/l 99
80) 1,3,5-Trimethylbenzene	11.451	105	108174	13.929	ug/l 98
84) 1,2,4-Trimethylbenzene	11.750	105	291949	37.999	ug/l 95
85) sec-Butylbenzene	11.890	105	100183	10.625	ug/l 97
86) p-Isopropyltoluene	12.006	119	20376	2.575	ug/l 96
89) n-Butylbenzene	12.329	91	166906	23.701	ug/l # 73
95) Naphthalene	13.774	128	517870	62.345	ug/l 99

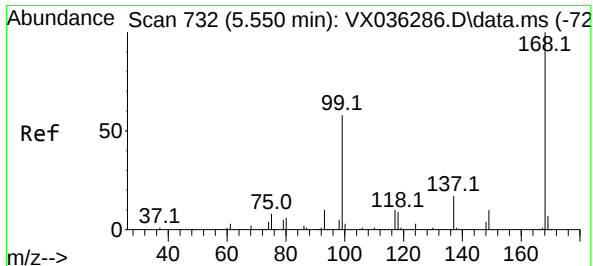
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 2023
Response via : Initial Calibration

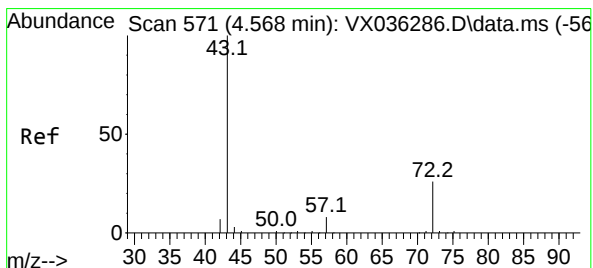
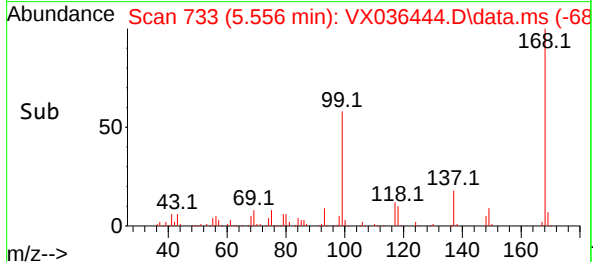
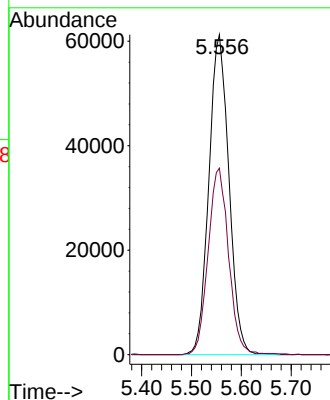
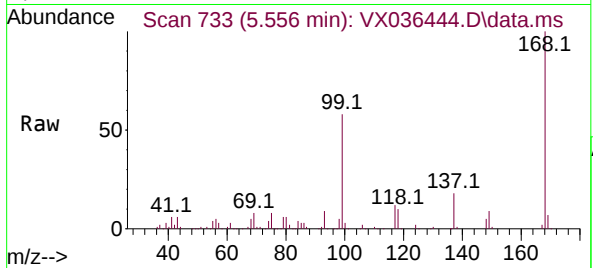




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036444.D
Acq: 06 Jul 2023 19:03

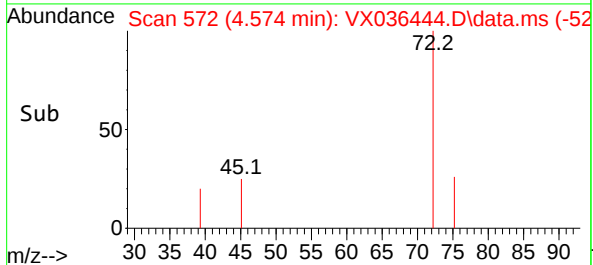
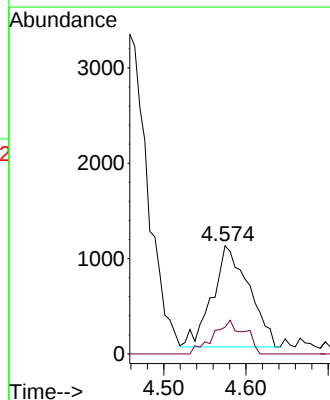
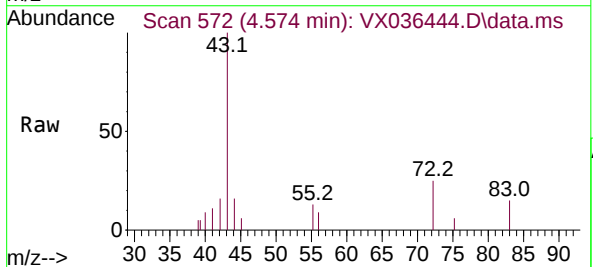
Instrument :
MSVOA_X
ClientSampleId :
MW-4

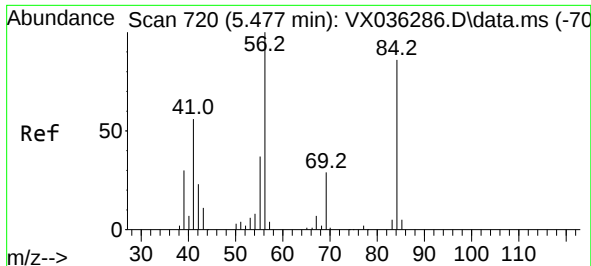
Tgt Ion:168 Resp: 170911
Ion Ratio Lower Upper
168 100
99 58.3 56.6 85.0



#25
2-Butanone
Concen: 2.182 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX036444.D
Acq: 06 Jul 2023 19:03

Tgt Ion: 43 Resp: 3283
Ion Ratio Lower Upper
43 100
72 26.4 19.4 29.2



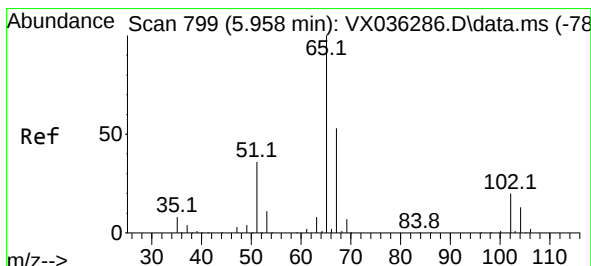
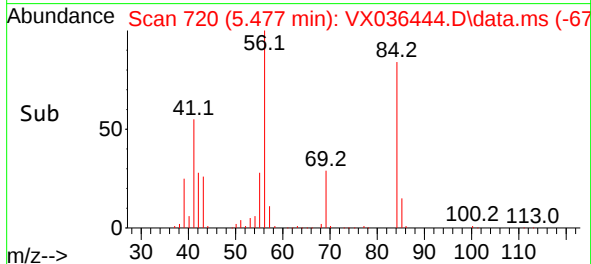
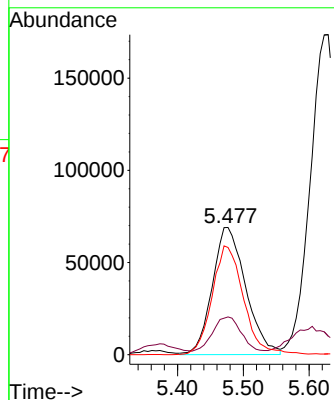
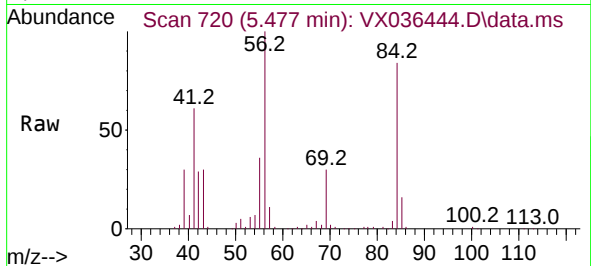


#31
Cyclohexane
Concen: 77.682 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.007 min
Lab File: VX036444.D
Acq: 06 Jul 2023 19:03

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion: 56 Resp: 243882

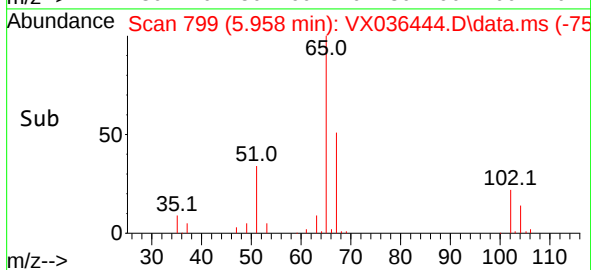
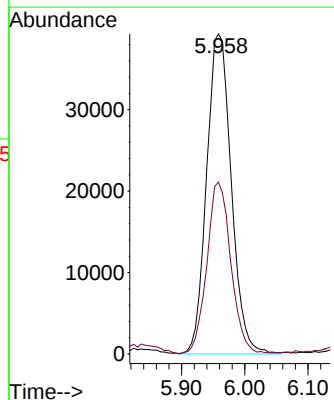
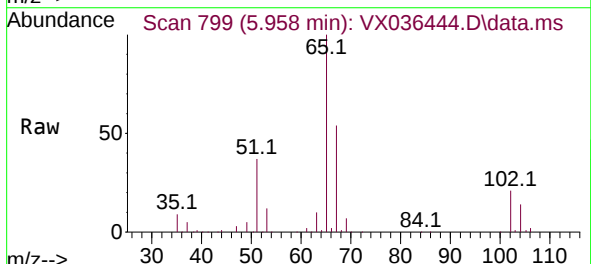
Ion	Ratio	Lower	Upper
56	100		
69	25.6	23.4	35.2
84	85.0	65.9	98.9

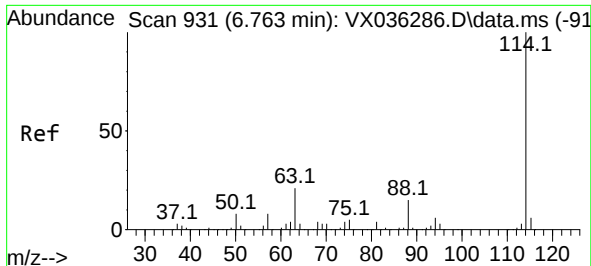


#33
1,2-Dichloroethane-d4
Concen: 43.588 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036444.D
Acq: 06 Jul 2023 19:03

Tgt Ion: 65 Resp: 106785

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	100.2

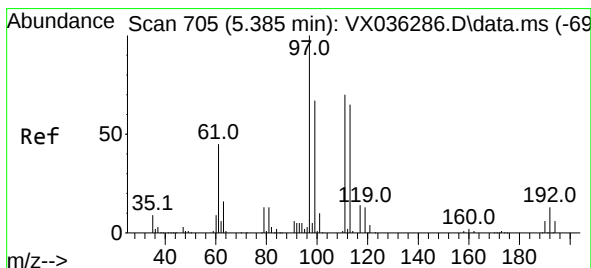
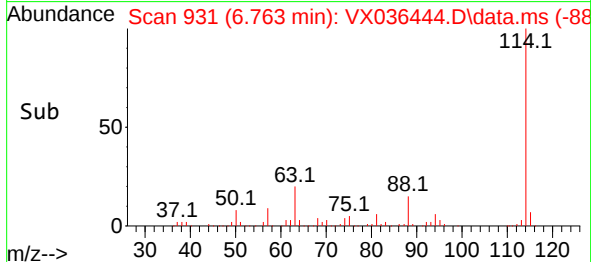
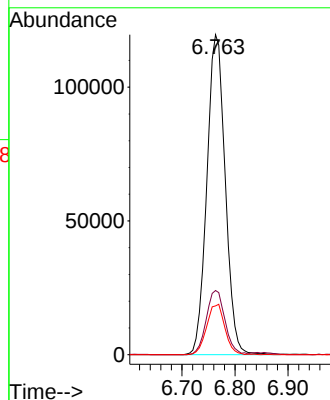
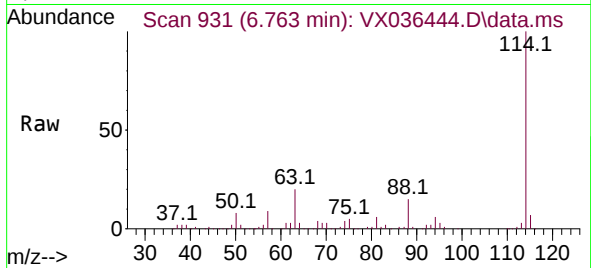




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036444.D
Acq: 06 Jul 2023 19:03

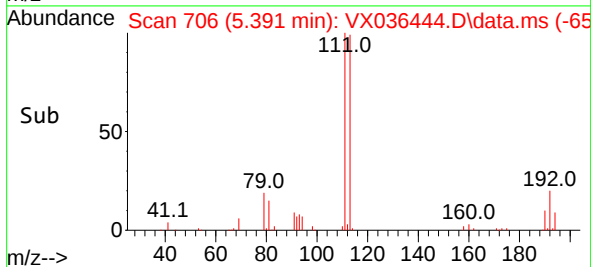
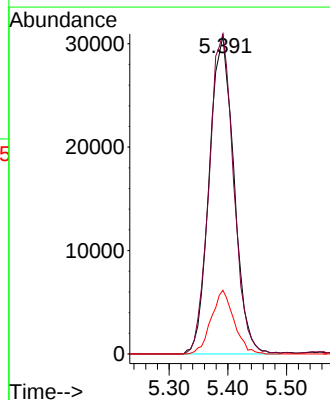
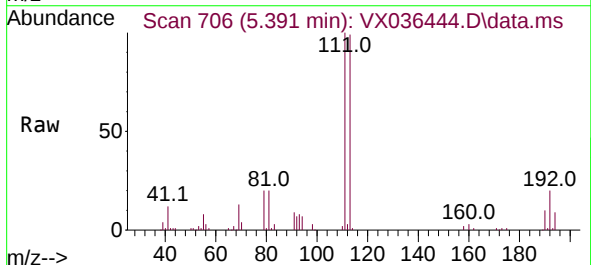
Instrument :
MSVOA_X
ClientSampleId :
MW-4

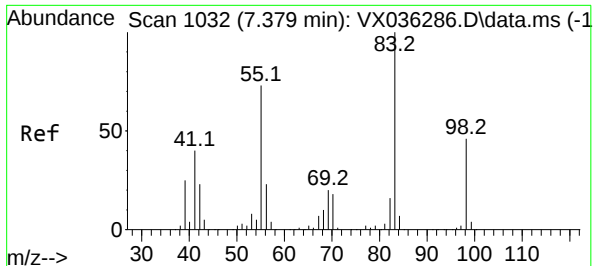
Tgt Ion:114 Resp: 287944
Ion Ratio Lower Upper
114 100
63 20.0 0.0 45.0
88 15.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.296 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX036444.D
Acq: 06 Jul 2023 19:03

Tgt Ion:113 Resp: 89797
Ion Ratio Lower Upper
113 100
111 100.1 82.9 124.3
192 18.5 13.3 19.9





#39

Methylcyclohexane

Concen: 80.987 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.001 min

Lab File: VX036444.D

Acq: 06 Jul 2023 19:03

Instrument :

MSVOA_X

ClientSampleId :

MW-4

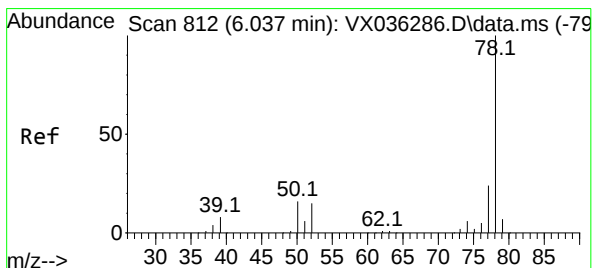
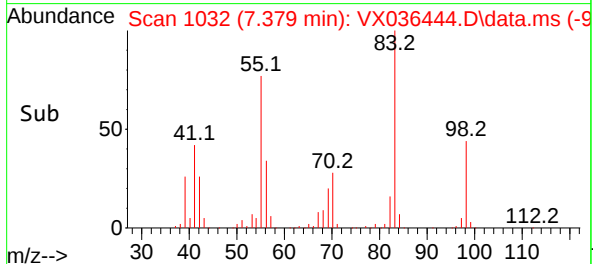
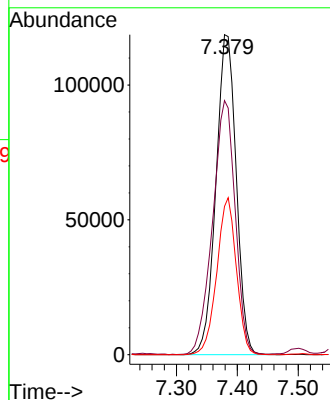
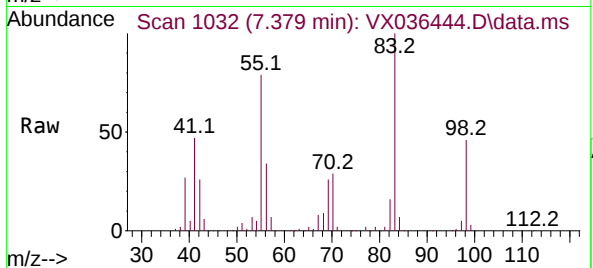
Tgt Ion: 83 Resp: 274527

Ion Ratio Lower Upper

83 100

55 79.3 64.6 97.0

98 46.3 36.7 55.1



#40

Benzene

Concen: 1.439 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.001 min

Lab File: VX036444.D

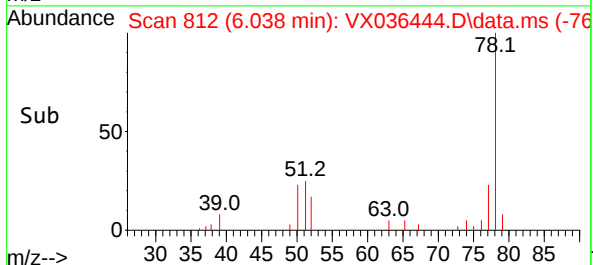
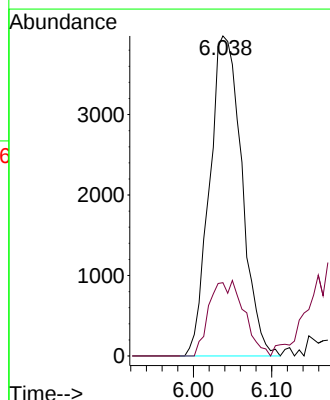
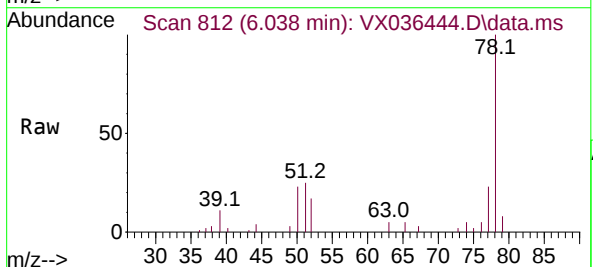
Acq: 06 Jul 2023 19:03

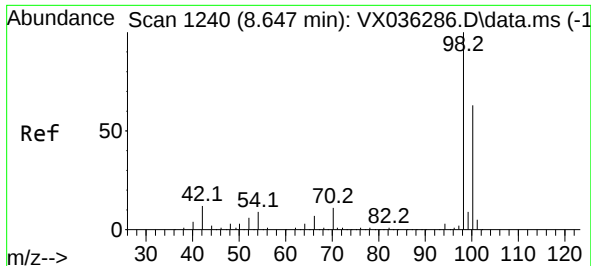
Tgt Ion: 78 Resp: 11376

Ion Ratio Lower Upper

78 100

77 22.9 19.3 28.9

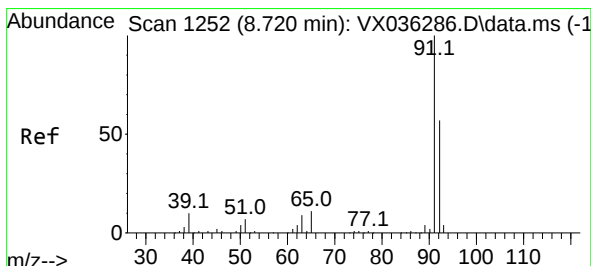
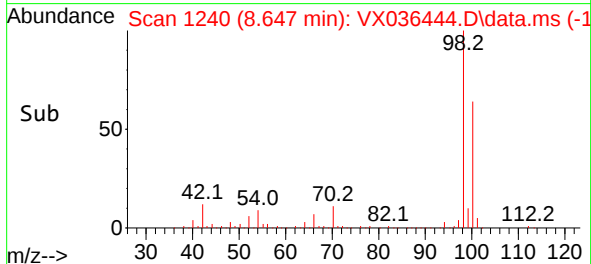
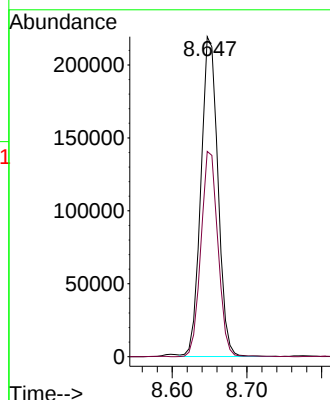
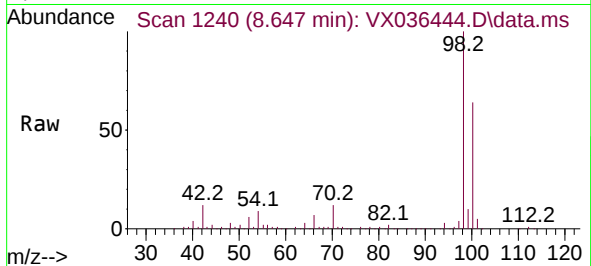




#50
Toluene-d8
Concen: 48.759 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036444.D
Acq: 06 Jul 2023 19:03

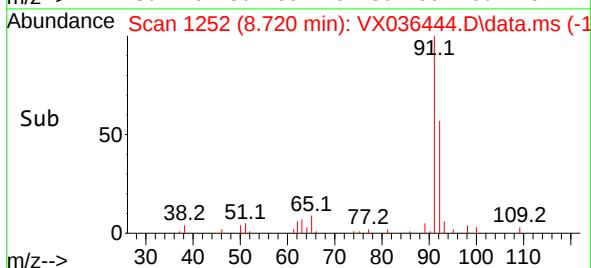
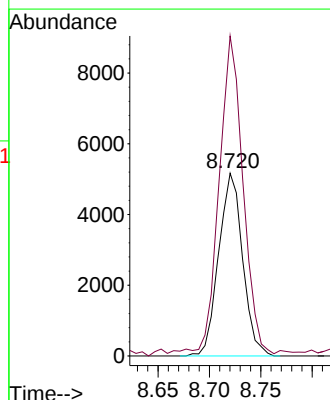
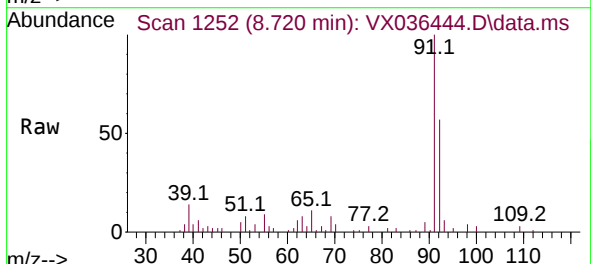
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MW-4

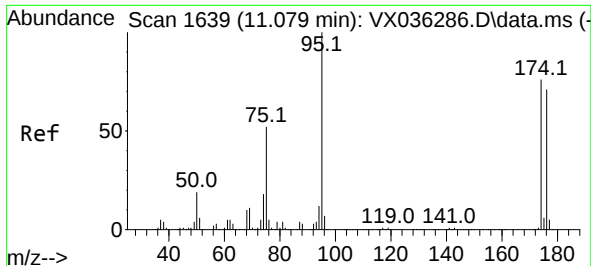
Tgt Ion: 98 Resp: 345769
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7



#52
Toluene
Concen: 1.670 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX036444.D
Acq: 06 Jul 2023 19:03

Tgt Ion: 92 Resp: 8367
Ion Ratio Lower Upper
92 100
91 174.3 134.2 201.2

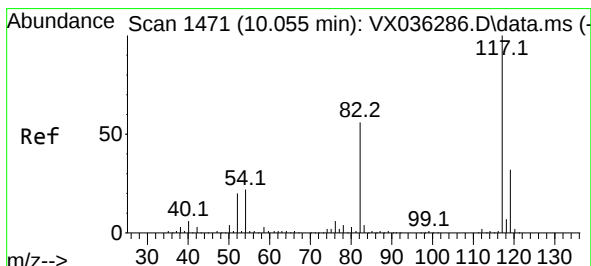
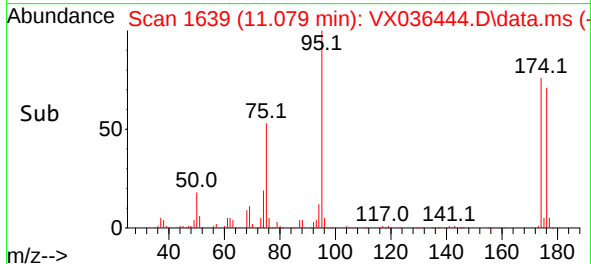
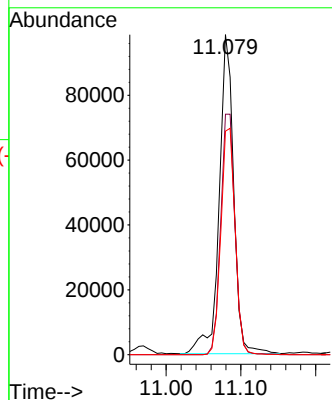
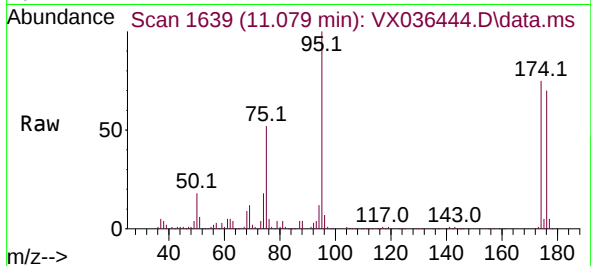




#62
4-Bromofluorobenzene
Concen: 53.275 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036444.D
Acq: 06 Jul 2023 19:03

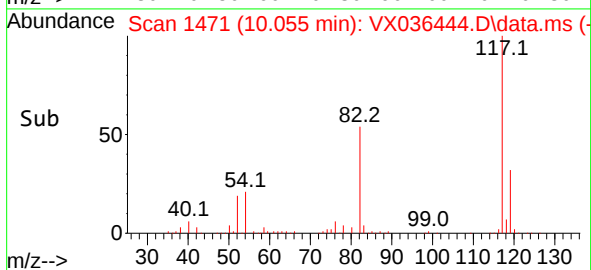
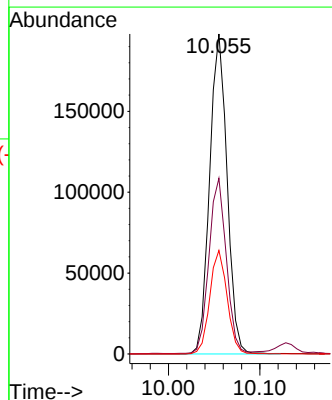
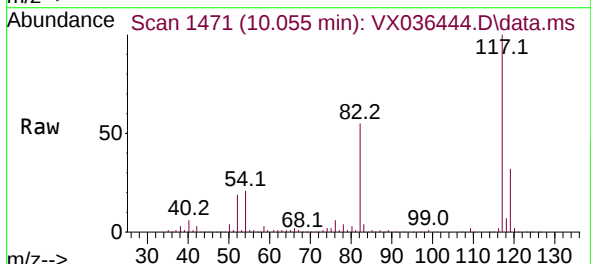
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ClientSampleId :
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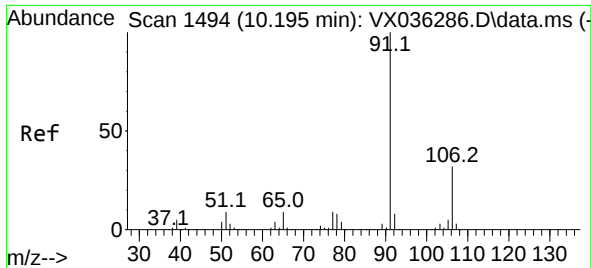
Tgt Ion: 95 Resp: 133070
Ion Ratio Lower Upper
95 100
174 73.7 0.0 135.6
176 69.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036444.D
Acq: 06 Jul 2023 19:03

Tgt Ion: 117 Resp: 261726
Ion Ratio Lower Upper
117 100
82 54.7 46.2 69.4
119 32.3 25.5 38.3

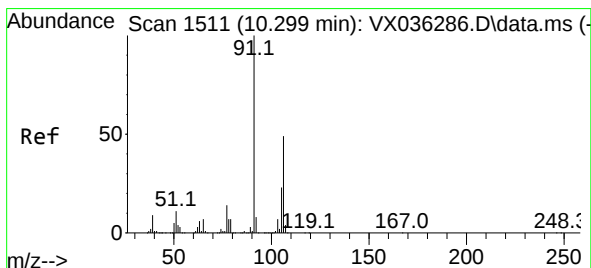
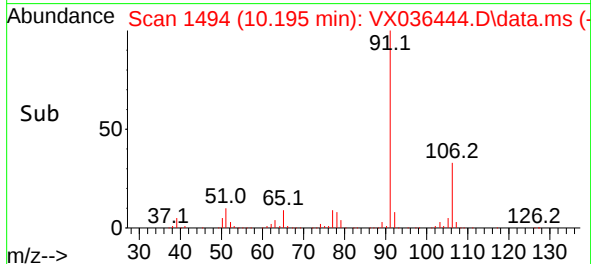
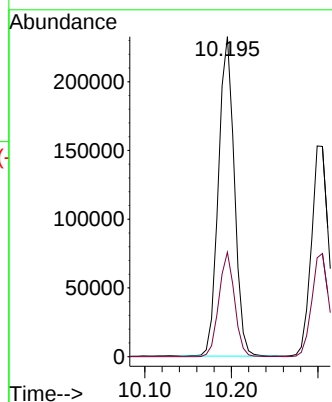
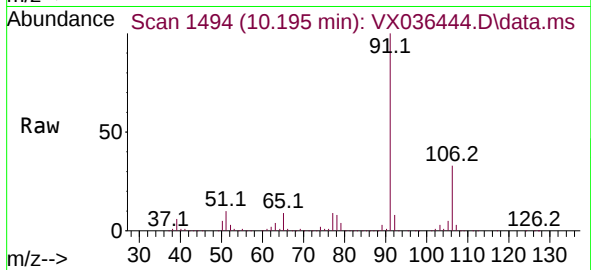




#67
Ethyl Benzene
Concen: 30.362 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036444.D
Acq: 06 Jul 2023 19:03

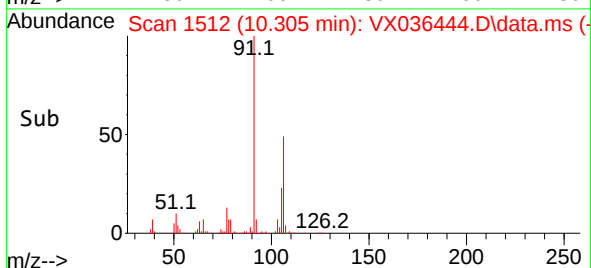
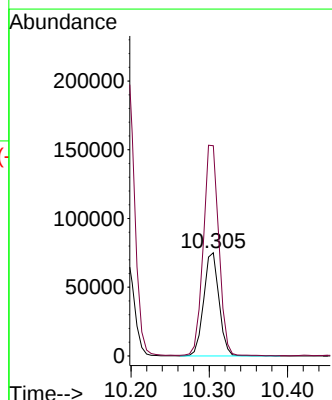
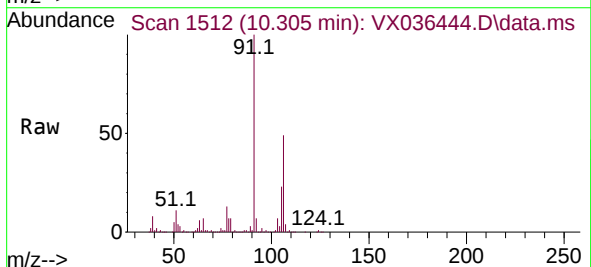
Instrument :
MSVOA_X
ClientSampleId :
MW-4

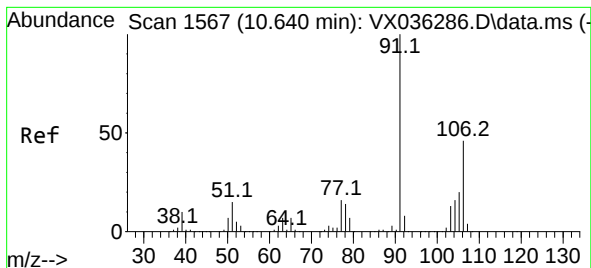
Tgt Ion: 91 Resp: 296972
Ion Ratio Lower Upper
91 100
106 32.7 24.9 37.3



#68
m/p-Xylenes
Concen: 26.797 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036444.D
Acq: 06 Jul 2023 19:03

Tgt Ion: 106 Resp: 101834
Ion Ratio Lower Upper
106 100
91 206.6 165.5 248.3





#69

o-Xylene

Concen: 1.764 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX036444.D

Acq: 06 Jul 2023 19:03

Instrument :

MSVOA_X

ClientSampleId :

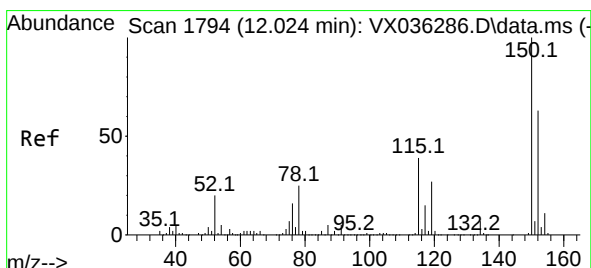
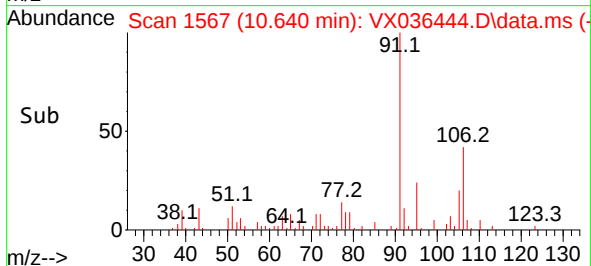
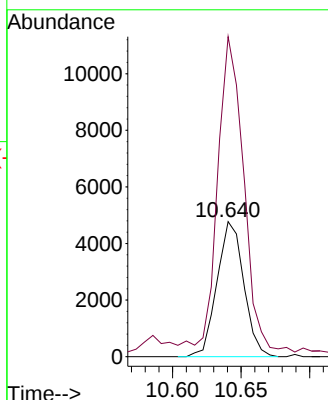
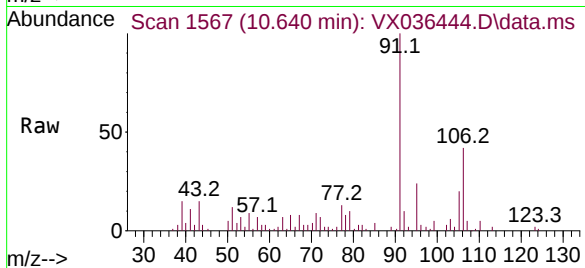
MW-4

Tgt Ion:106 Resp: 6473

Ion Ratio Lower Upper

106 100

91 224.8 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX036444.D

Acq: 06 Jul 2023 19:03

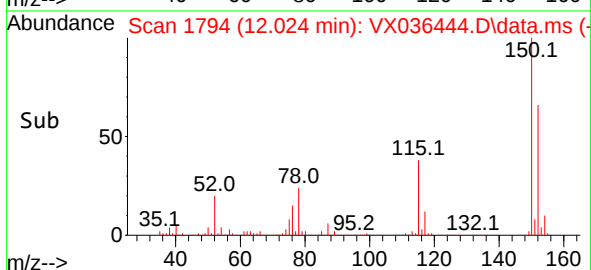
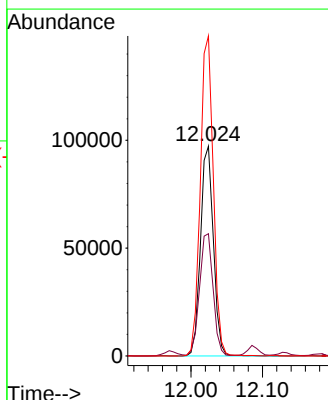
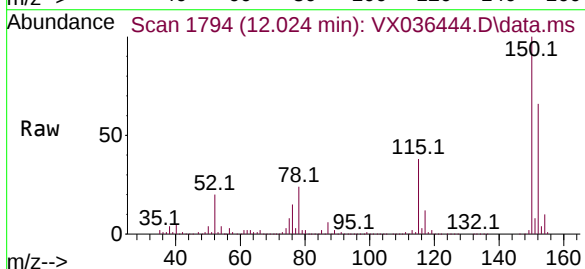
Tgt Ion:152 Resp: 121683

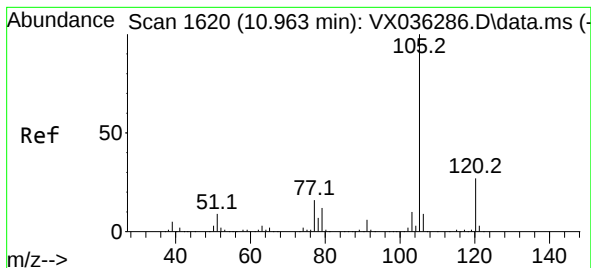
Ion Ratio Lower Upper

152 100

115 60.8 43.3 129.9

150 153.9 0.0 345.0





#73

Isopropylbenzene

Concen: 41.524 ug/l

RT: 10.964 min Scan# 1

Delta R.T. 0.001 min

Lab File: VX036444.D

Acq: 06 Jul 2023 19:03

Instrument :

MSVOA_X

ClientSampleId :

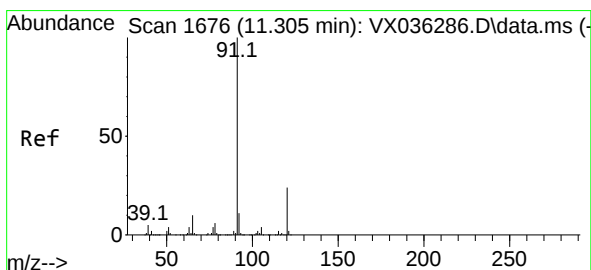
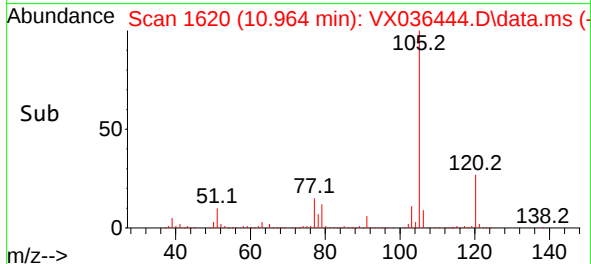
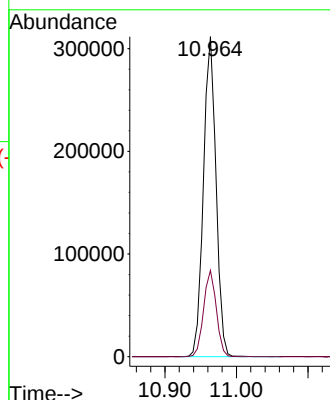
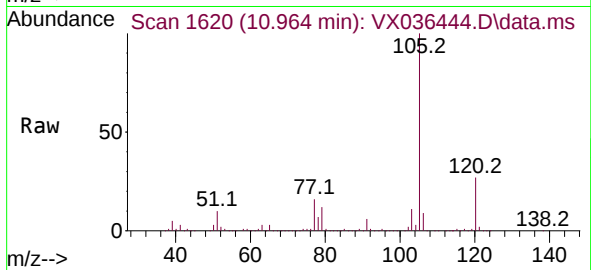
MW-4

Tgt Ion:105 Resp: 380779

Ion Ratio Lower Upper

105 100

120 27.2 12.9 38.6



#78

n-propylbenzene

Concen: 109.380 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX036444.D

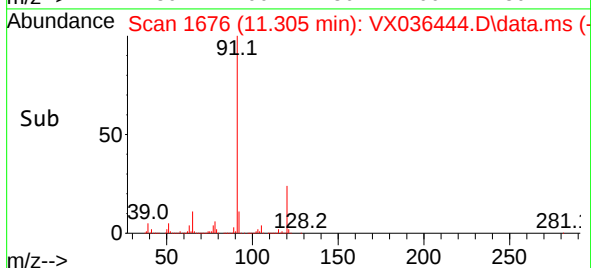
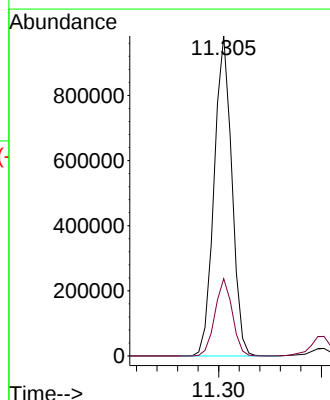
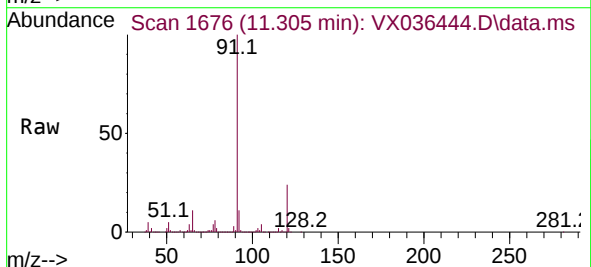
Acq: 06 Jul 2023 19:03

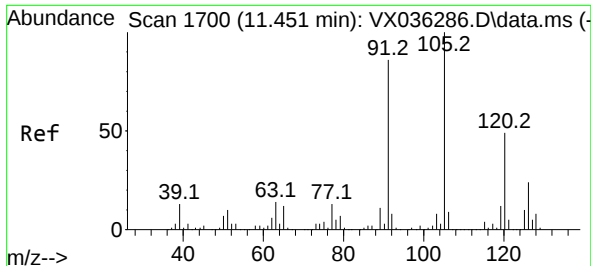
Tgt Ion: 91 Resp: 1171401

Ion Ratio Lower Upper

91 100

120 23.6 11.5 34.4

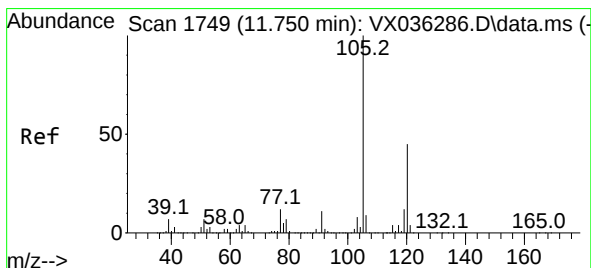
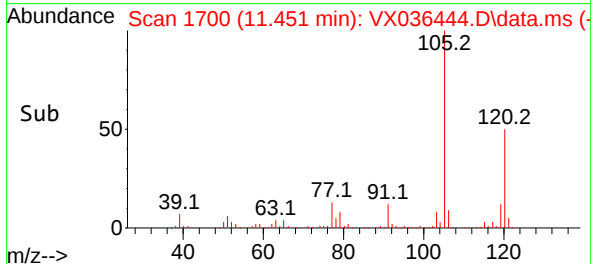
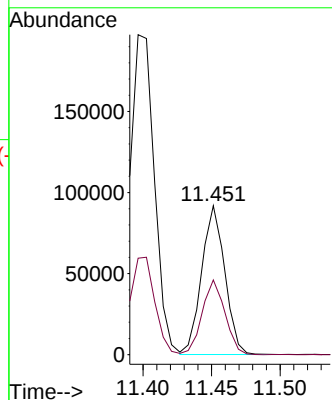
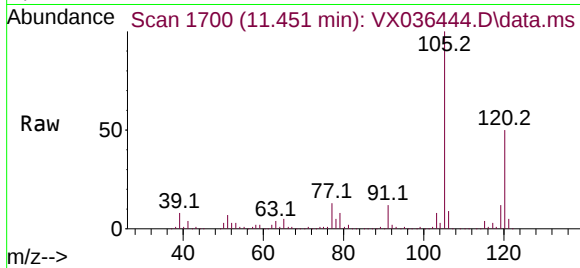




#80
1,3,5-Trimethylbenzene
Concen: 13.929 ug/l
RT: 11.451 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VX036444.D
Acq: 06 Jul 2023 19:03

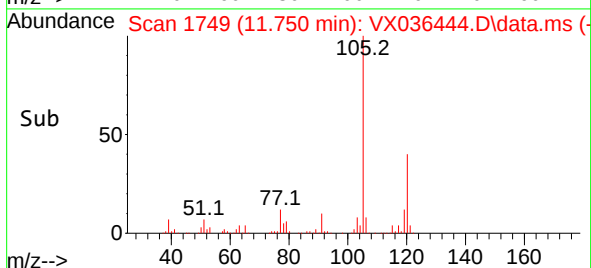
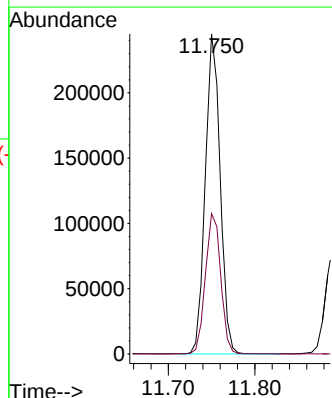
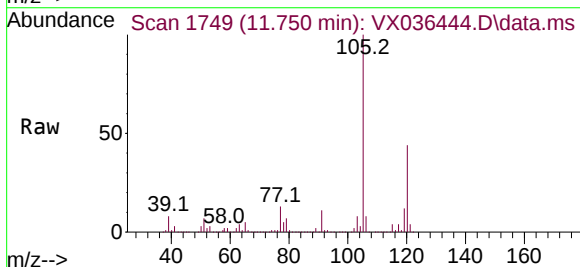
Instrument :
MSVOA_X
ClientSampleId :
MW-4

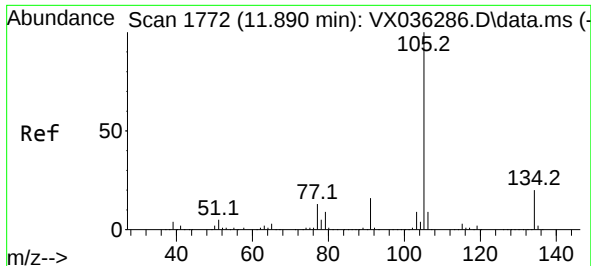
Tgt Ion:105 Resp: 108174
Ion Ratio Lower Upper
105 100
120 49.5 24.1 72.3



#84
1,2,4-Trimethylbenzene
Concen: 37.999 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX036444.D
Acq: 06 Jul 2023 19:03

Tgt Ion:105 Resp: 291949
Ion Ratio Lower Upper
105 100
120 45.3 21.2 63.6

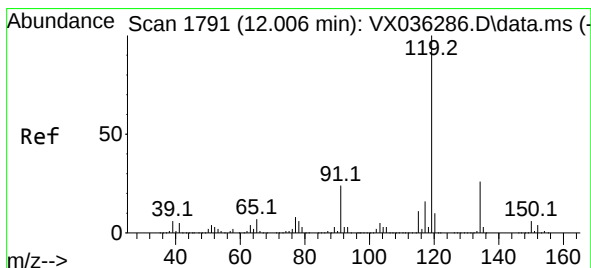
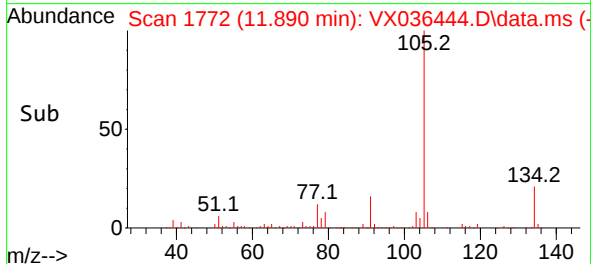
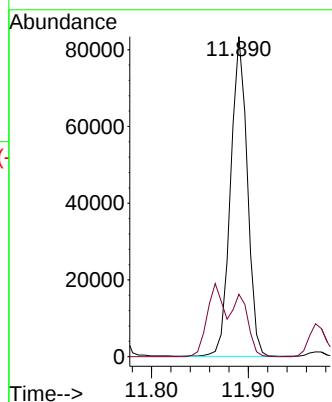
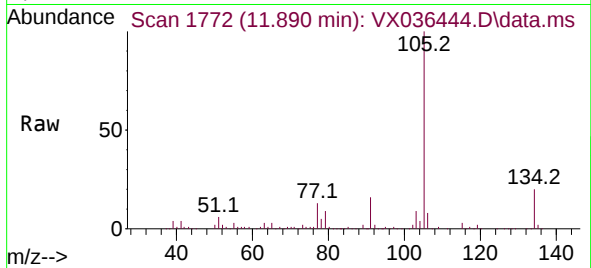




#85
 sec-Butylbenzene
 Concen: 10.625 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX036444.D
 Acq: 06 Jul 2023 19:03

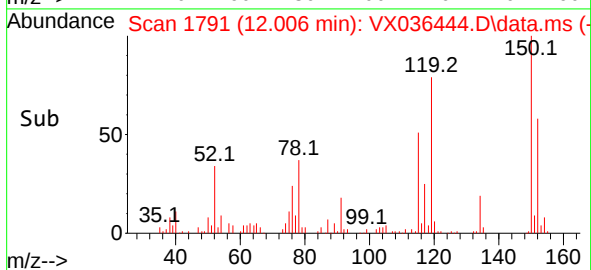
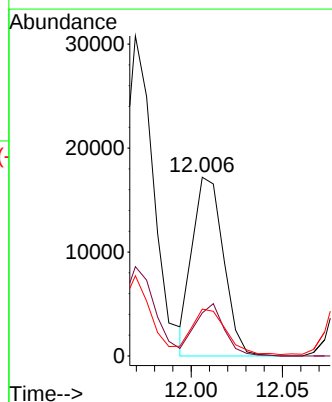
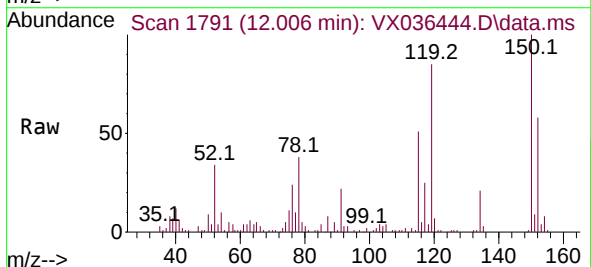
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

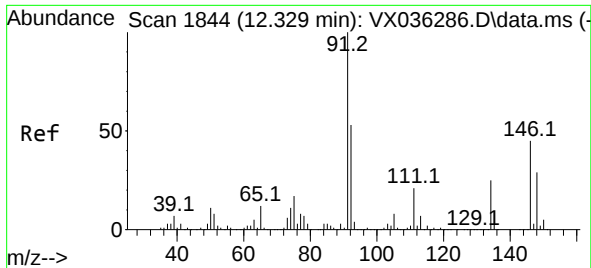
Tgt Ion:105 Resp: 100183
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 2.575 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX036444.D
 Acq: 06 Jul 2023 19:03

Tgt Ion:119 Resp: 20376
 Ion Ratio Lower Upper
 119 100
 134 27.4 12.8 38.3
 91 28.7 13.1 39.3

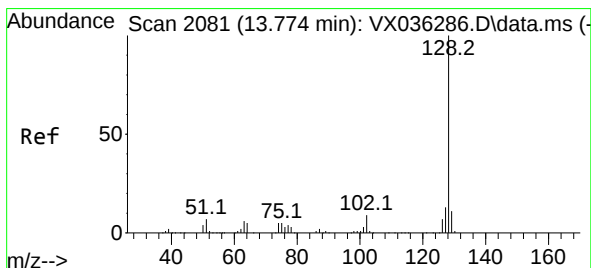
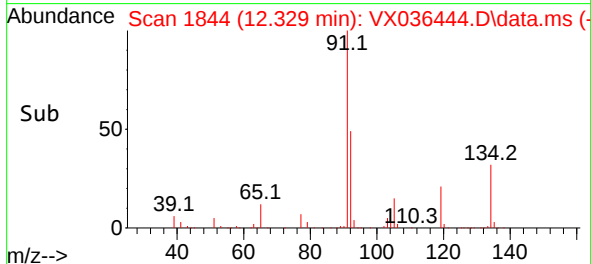
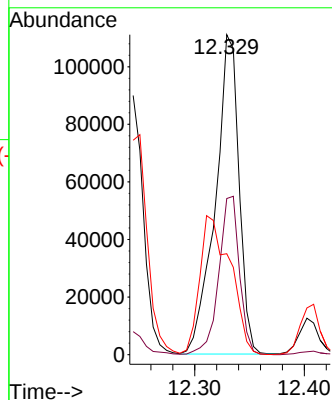
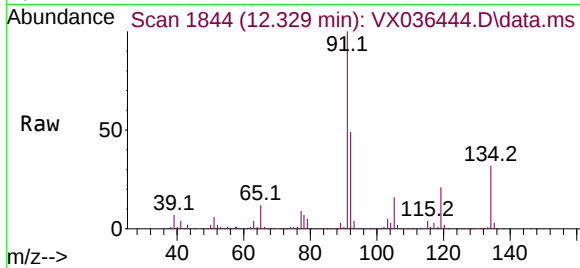




#89
n-Butylbenzene
Concen: 23.701 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX036444.D
Acq: 06 Jul 2023 19:03

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion: 91 Resp: 166906
Ion Ratio Lower Upper
91 100
92 43.3 27.4 82.0
134 0.0 12.6 37.8#



#95
Naphthalene
Concen: 62.345 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX036444.D
Acq: 06 Jul 2023 19:03

Tgt Ion:128 Resp: 517870
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.6 8.8 13.2

