

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120224\
 Data File : VX044062.D
 Acq On : 02 Dec 2024 13:44
 Operator : JC/MD
 Sample : P5021-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13

Quant Time: Dec 03 00:19:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	125796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	244811	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	217402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	94569	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	114570	53.100	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.200%
35) Dibromofluoromethane	5.379	113	81725	46.719	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.440%
50) Toluene-d8	8.647	98	302923	50.236	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.480%
62) 4-Bromofluorobenzene	11.079	95	104846	51.090	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.180%

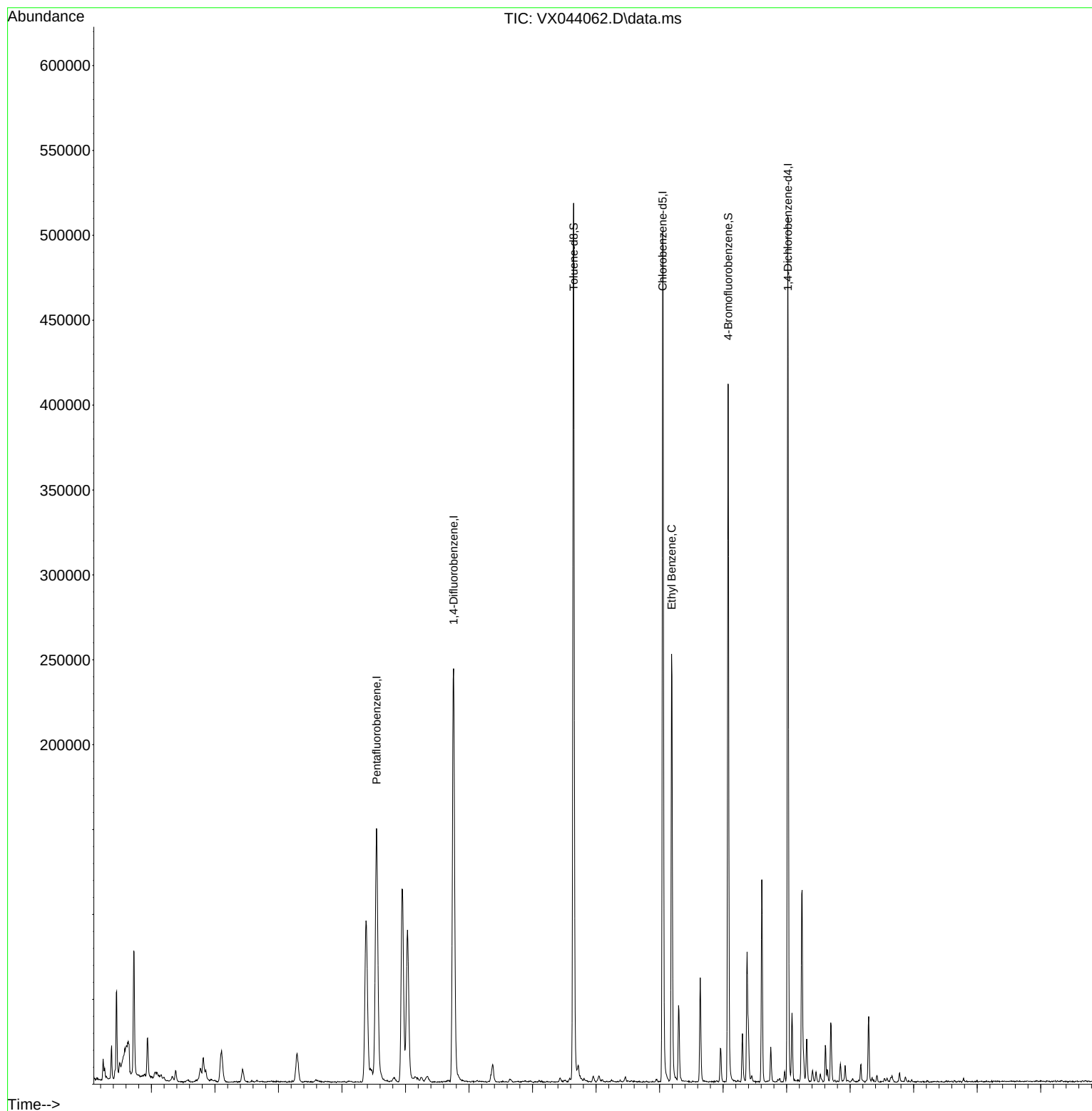
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	427	0.255	ug/l #	83
16) Acetone	2.386	43	7069	7.133	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	11729	2.228	ug/l #	33
25) 2-Butanone	4.587	43	2412	1.886	ug/l #	81
31) Cyclohexane	5.464	56	4254	1.769	ug/l	86
39) Methylcyclohexane	7.379	83	4027	1.422	ug/l	94
40) Benzene	6.031	78	103621	15.261	ug/l	99
52) Toluene	8.720	92	2744	0.675	ug/l	93
67) Ethyl Benzene	10.189	91	153861	19.017	ug/l	99
68) m/p-Xylenes	10.299	106	10991	3.643	ug/l	100
69) o-Xylene	10.640	106	12977	4.405	ug/l	95
73) Isopropylbenzene	10.963	105	11235	1.546	ug/l	100
78) n-propylbenzene	11.305	91	17776	2.189	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	2072	0.346	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	9411	1.581	ug/l	90
89) n-Butylbenzene	12.317	91	2718	0.523	ug/l #	8
95) Naphthalene	13.780	128	3546	0.524	ug/l	99

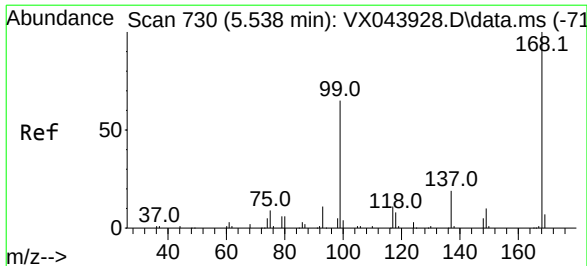
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

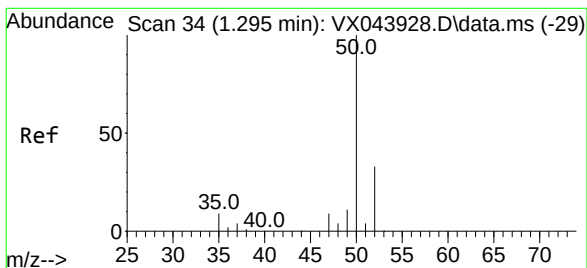
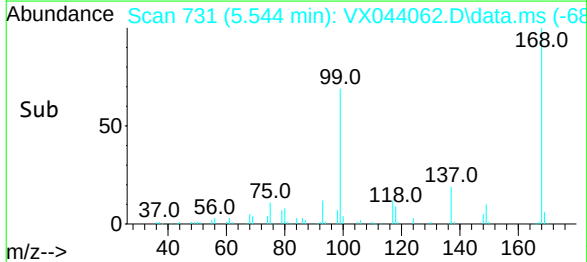
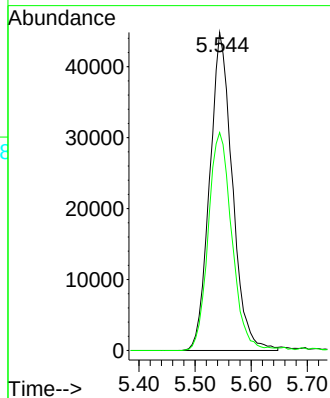
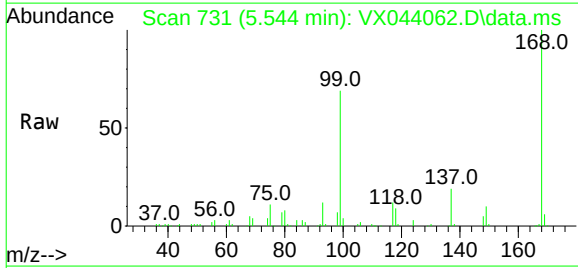




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX044062.D
Acq: 02 Dec 2024 13:44

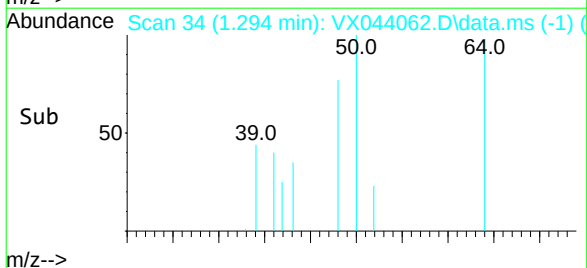
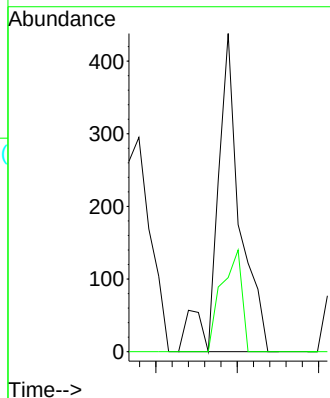
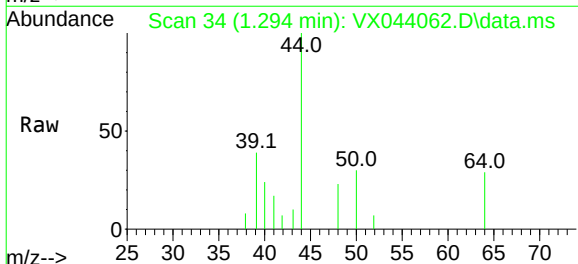
Instrument :
MSVOA_X
ClientSampleId :
MW-13

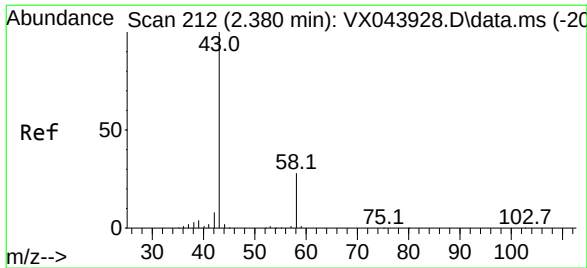
Tgt Ion:168 Resp: 125796
Ion Ratio Lower Upper
168 100
99 68.5 51.8 77.8



#3
Chloromethane
Concen: 0.255 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044062.D
Acq: 02 Dec 2024 13:44

Tgt Ion: 50 Resp: 427
Ion Ratio Lower Upper
50 100
52 23.3 26.1 39.1#





#16

Acetone

Concen: 7.133 ug/l

RT: 2.386 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX044062.D

Acq: 02 Dec 2024 13:44

Instrument :

MSVOA_X

ClientSampleId :

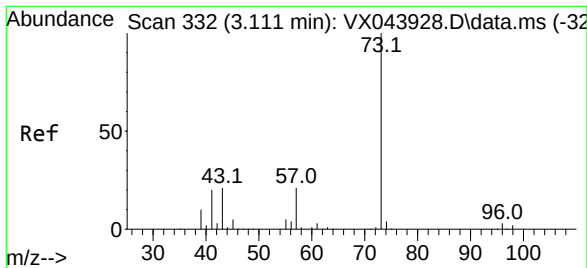
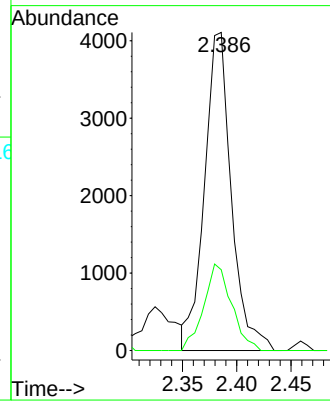
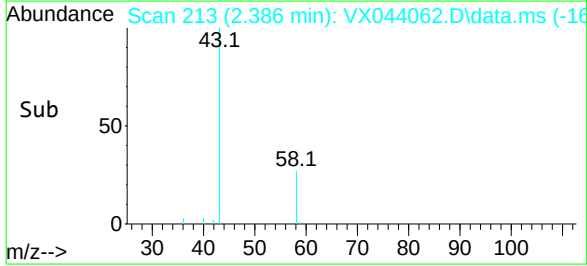
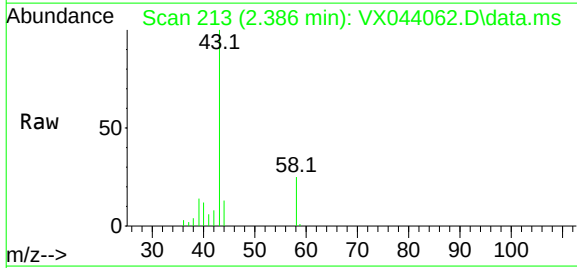
MW-13

Tgt Ion: 43 Resp: 7069

Ion Ratio Lower Upper

43 100

58 25.4 22.7 34.1



#19

Methyl tert-butyl Ether

Concen: 2.228 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX044062.D

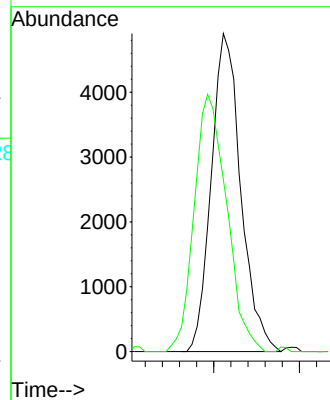
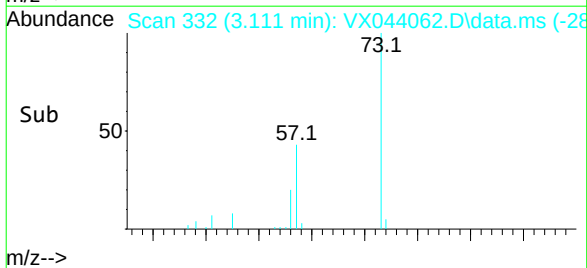
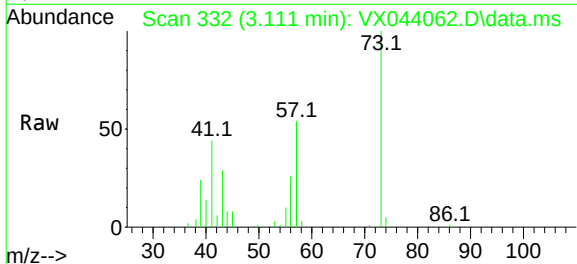
Acq: 02 Dec 2024 13:44

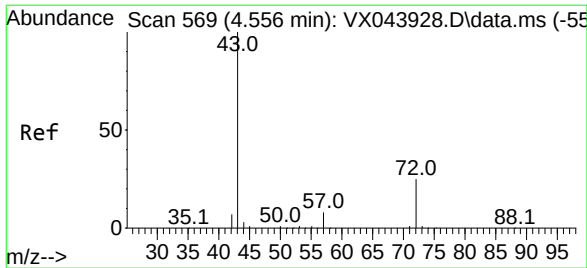
Tgt Ion: 73 Resp: 11729

Ion Ratio Lower Upper

73 100

57 52.7 17.0 25.6#

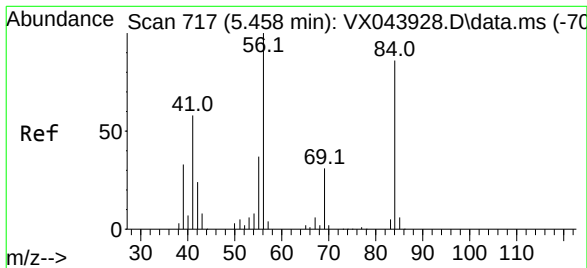
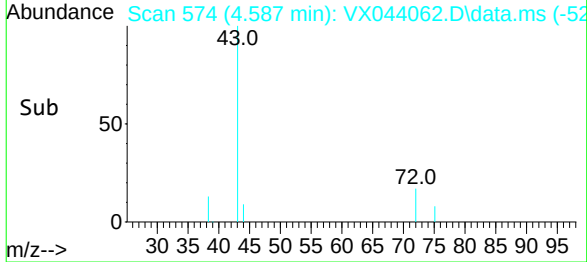
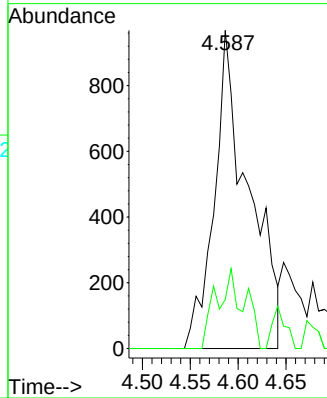
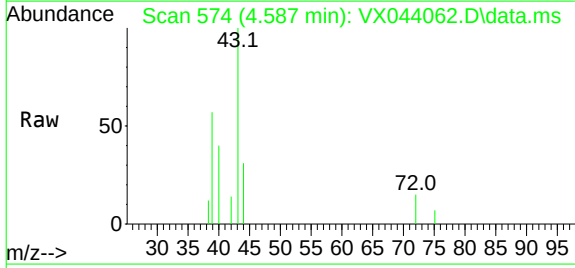




#25
2-Butanone
Concen: 1.886 ug/l
RT: 4.587 min Scan# 571
Delta R.T. 0.030 min
Lab File: VX044062.D
Acq: 02 Dec 2024 13:44

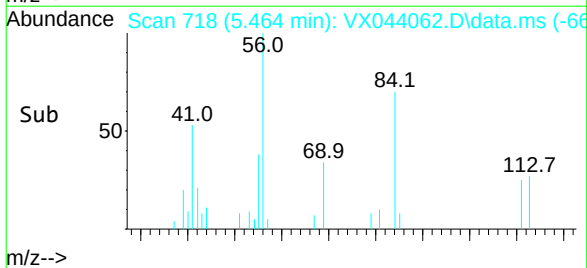
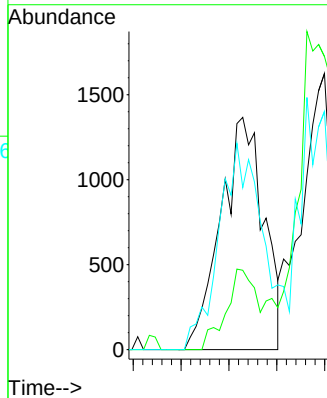
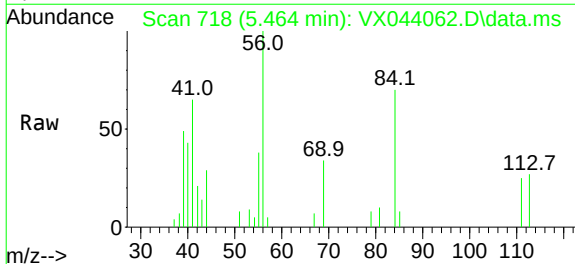
Instrument :
MSVOA_X
ClientSampleId :
MW-13

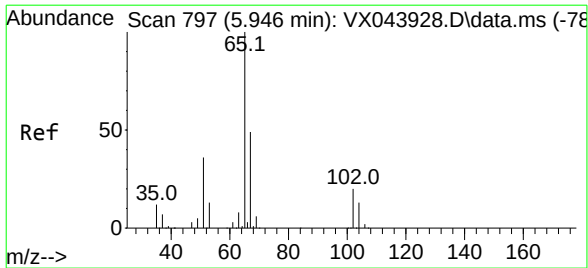
Tgt Ion: 43 Resp: 2412
Ion Ratio Lower Upper
43 100
72 15.4 20.2 30.2#



#31
Cyclohexane
Concen: 1.769 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX044062.D
Acq: 02 Dec 2024 13:44

Tgt Ion: 56 Resp: 4254
Ion Ratio Lower Upper
56 100
69 34.2 24.7 37.1
84 69.8 68.7 103.1

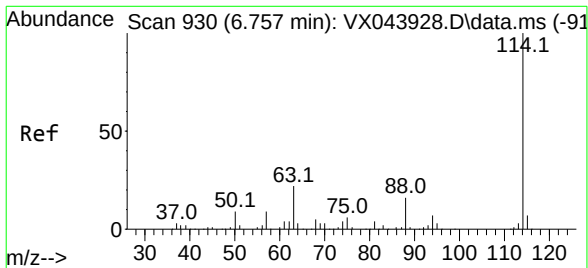
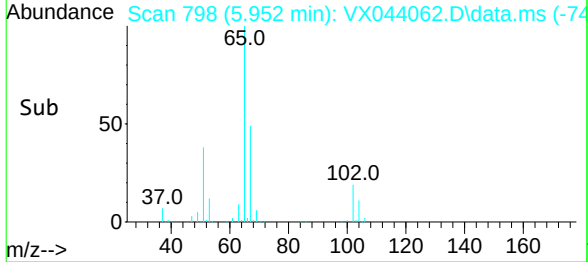
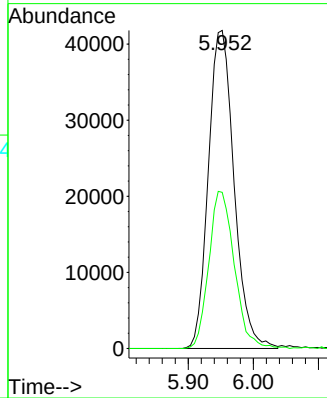
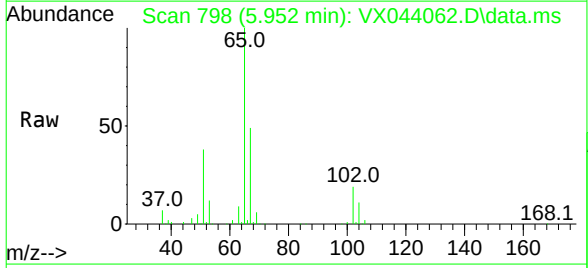




#33
1,2-Dichloroethane-d4
Concen: 53.100 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044062.D
Acq: 02 Dec 2024 13:44

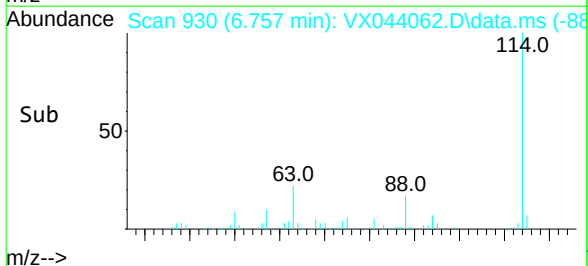
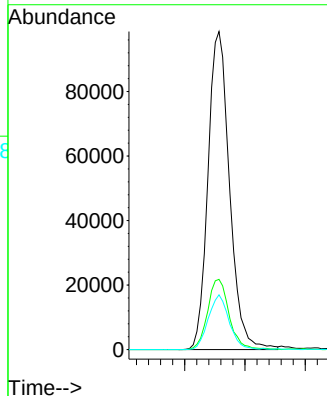
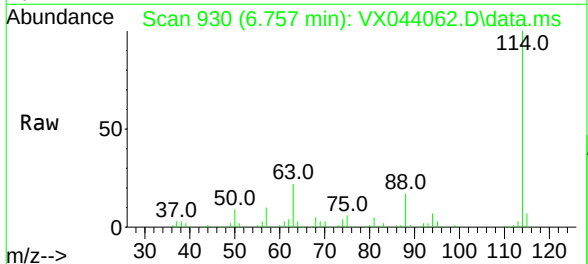
Instrument :
MSVOA_X
ClientSampleId :
MW-13

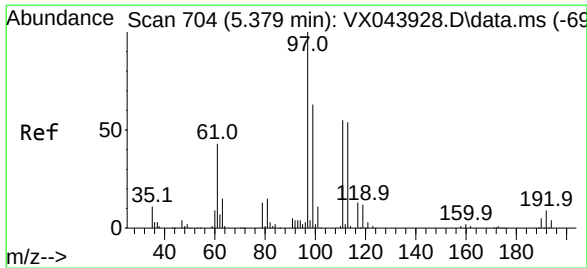
Tgt Ion: 65 Resp: 114570
Ion Ratio Lower Upper
65 100
67 49.1 0.0 100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044062.D
Acq: 02 Dec 2024 13:44

Tgt Ion: 114 Resp: 244811
Ion Ratio Lower Upper
114 100
63 22.1 0.0 44.0
88 17.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.719 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044062.D

Acq: 02 Dec 2024 13:44

Instrument :

MSVOA_X

ClientSampleId :

MW-13

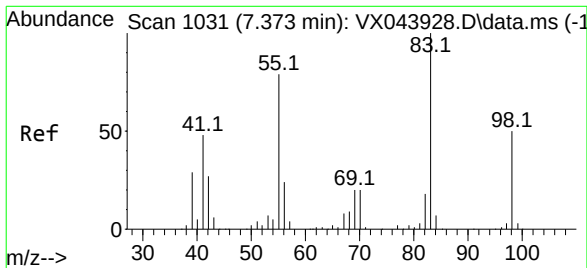
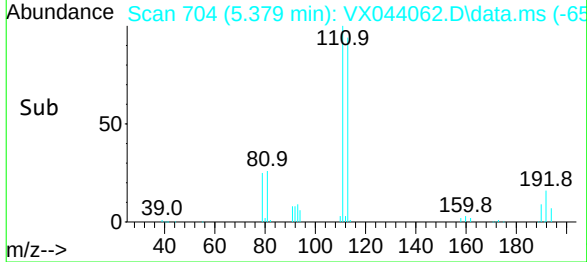
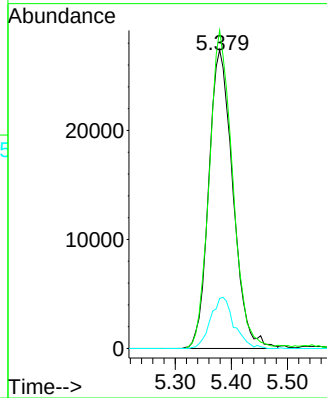
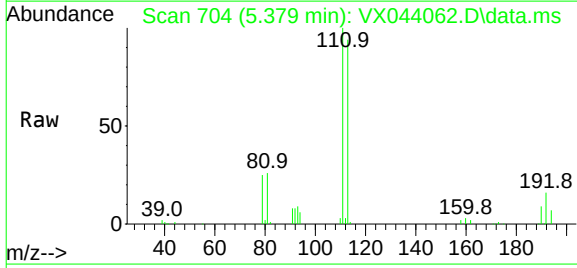
Tgt Ion:113 Resp: 81725

Ion Ratio Lower Upper

113 100

111 103.1 81.0 121.4

192 16.7 13.0 19.6



#39

Methylcyclohexane

Concen: 1.422 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VX044062.D

Acq: 02 Dec 2024 13:44

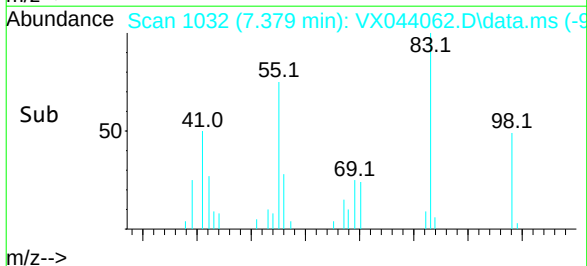
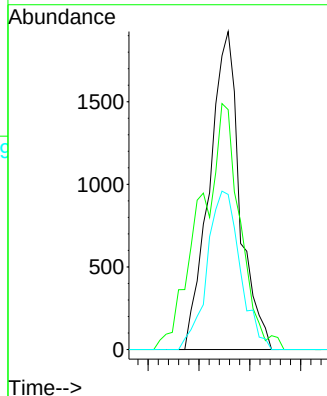
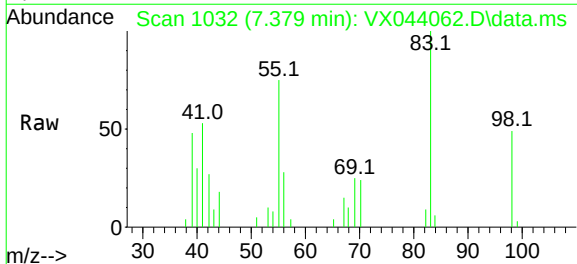
Tgt Ion: 83 Resp: 4027

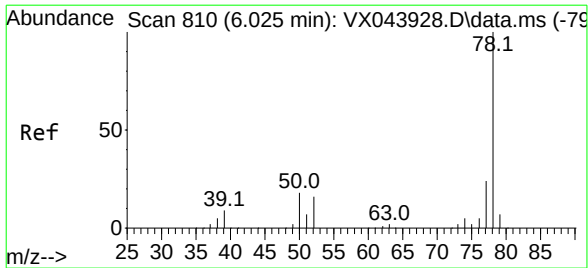
Ion Ratio Lower Upper

83 100

55 71.6 63.1 94.7

98 48.8 40.0 60.0





#40

Benzene

Concen: 15.261 ug/l

RT: 6.031 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX044062.D

Acq: 02 Dec 2024 13:44

Instrument :

MSVOA_X

ClientSampleId :

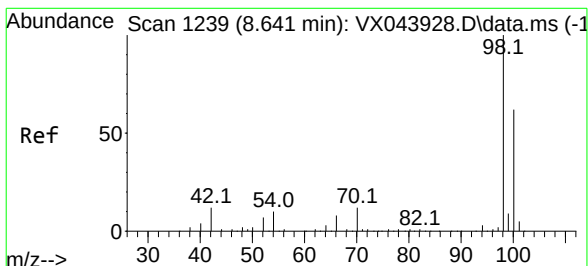
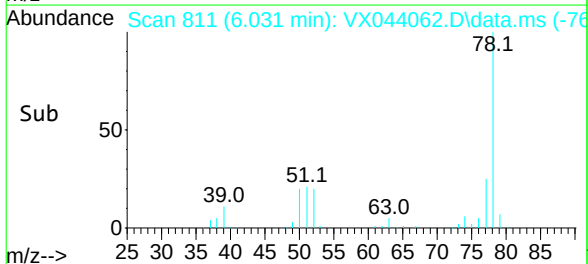
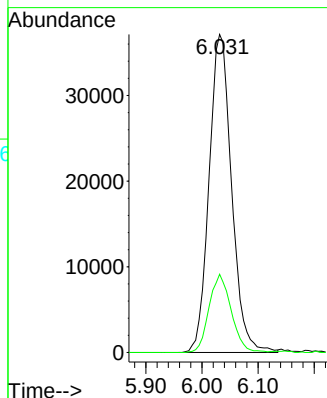
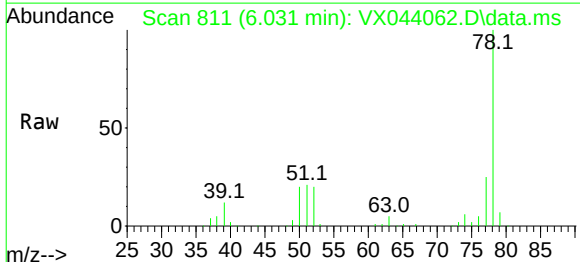
MW-13

Tgt Ion: 78 Resp: 103621

Ion Ratio Lower Upper

78 100

77 24.6 19.2 28.8



#50

Toluene-d8

Concen: 50.236 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044062.D

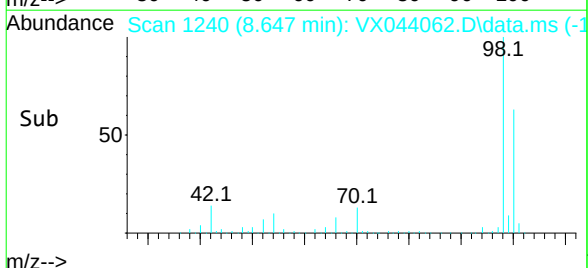
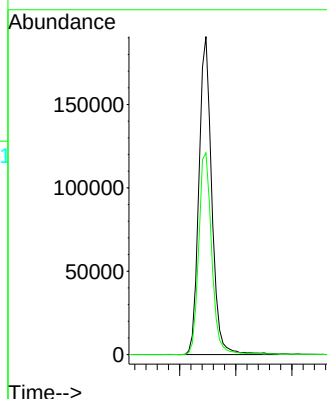
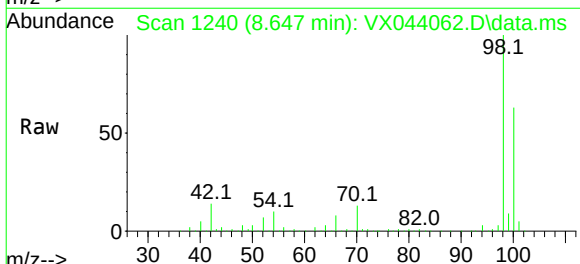
Acq: 02 Dec 2024 13:44

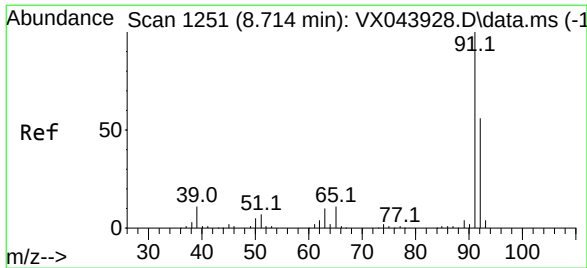
Tgt Ion: 98 Resp: 302923

Ion Ratio Lower Upper

98 100

100 64.5 52.6 79.0





#52

Toluene

Concen: 0.675 ug/l

RT: 8.720 min Scan# 1251

Delta R.T. 0.006 min

Lab File: VX044062.D

Acq: 02 Dec 2024 13:44

Instrument :

MSVOA_X

ClientSampleId :

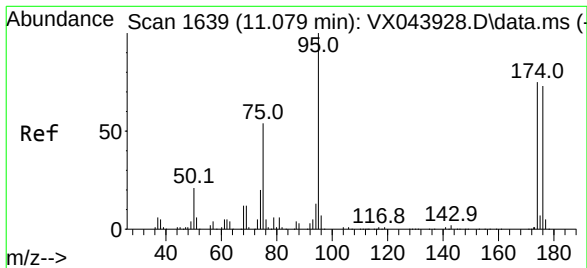
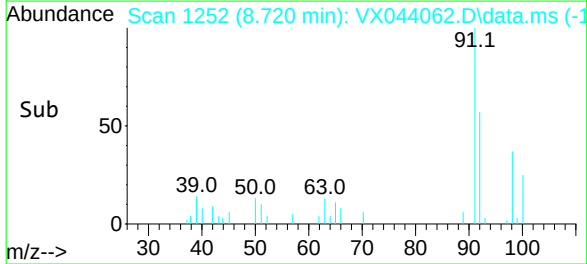
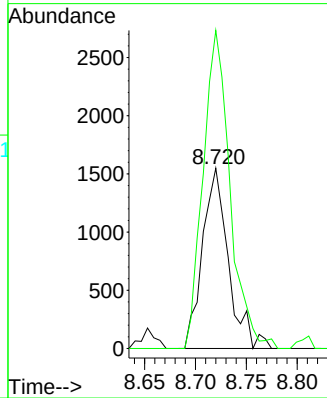
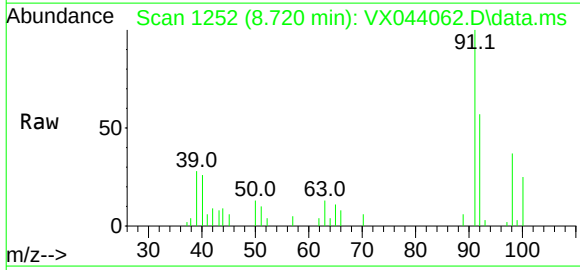
MW-13

Tgt Ion: 92 Resp: 2744

Ion Ratio Lower Upper

92 100

91 183.7 139.7 209.5



#62

4-Bromofluorobenzene

Concen: 51.090 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044062.D

Acq: 02 Dec 2024 13:44

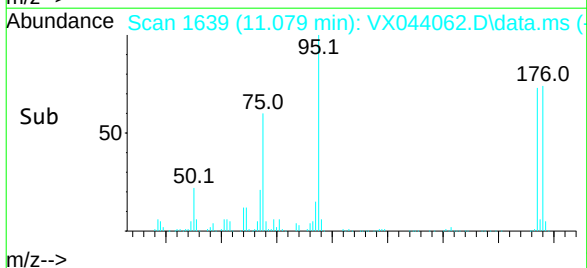
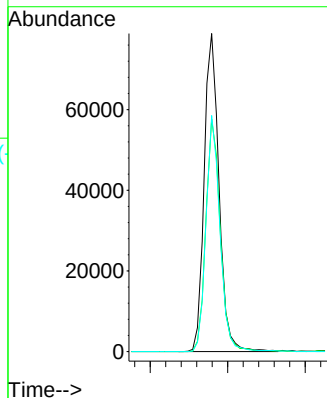
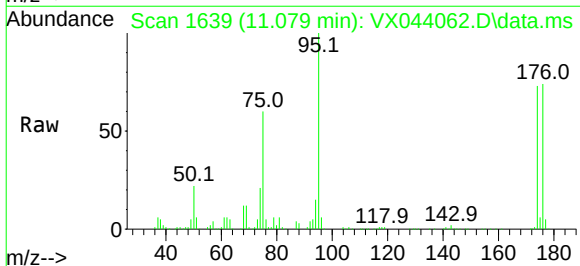
Tgt Ion: 95 Resp: 104846

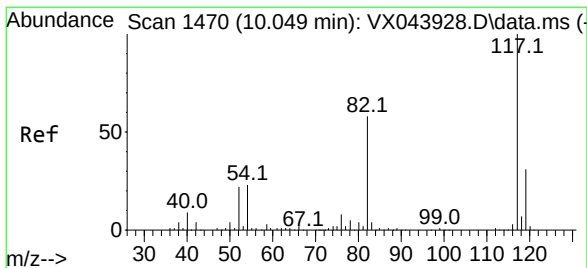
Ion Ratio Lower Upper

95 100

174 71.3 0.0 150.4

176 70.1 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX044062.D

Acq: 02 Dec 2024 13:44

Instrument :

MSVOA_X

ClientSampleId :

MW-13

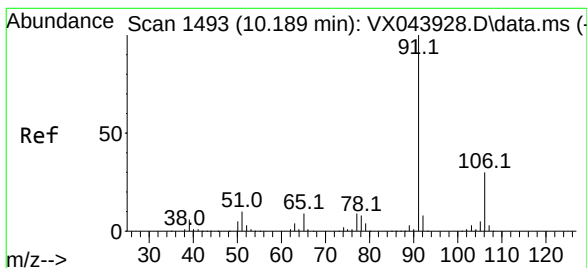
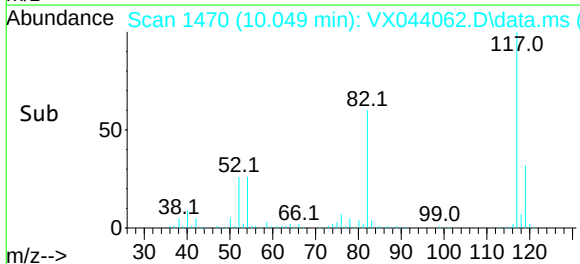
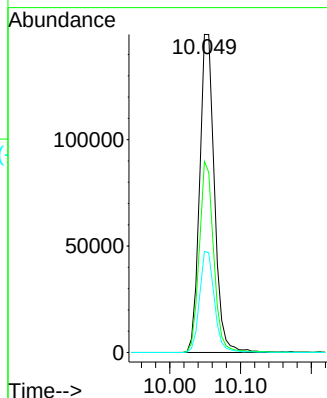
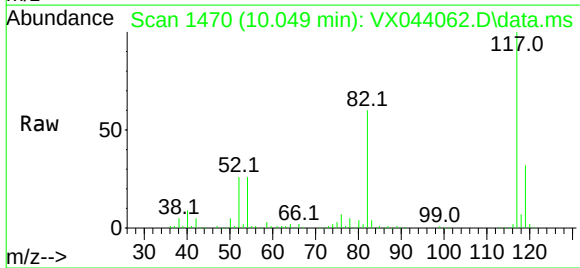
Tgt Ion:117 Resp: 217402

Ion Ratio Lower Upper

117 100

82 60.1 46.4 69.6

119 31.8 24.6 37.0



#67

Ethyl Benzene

Concen: 19.017 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX044062.D

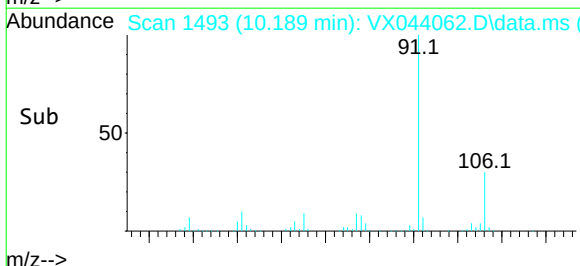
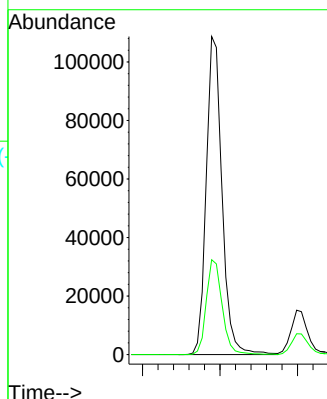
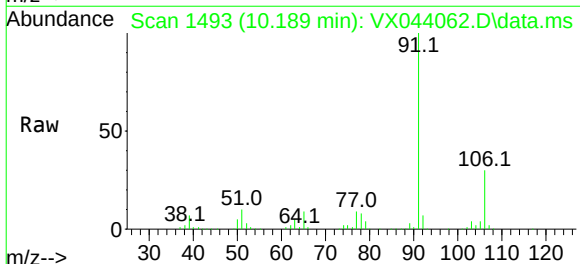
Acq: 02 Dec 2024 13:44

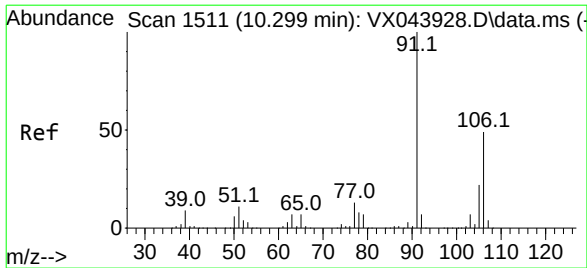
Tgt Ion: 91 Resp: 153861

Ion Ratio Lower Upper

91 100

106 29.8 23.6 35.4





#68

m/p-Xylenes

Concen: 3.643 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044062.D

Acq: 02 Dec 2024 13:44

Instrument :

MSVOA_X

ClientSampleId :

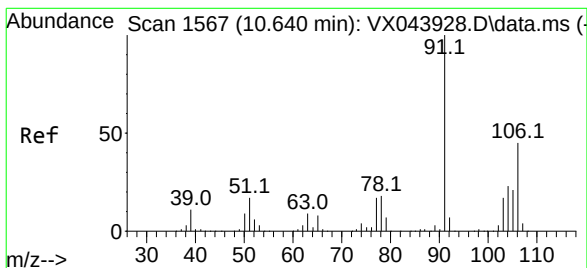
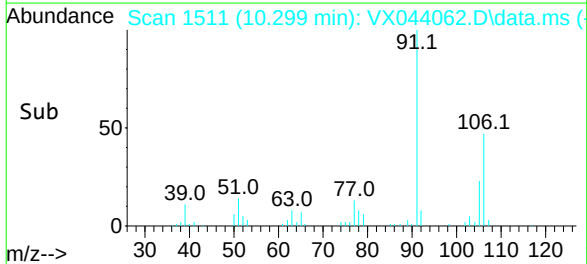
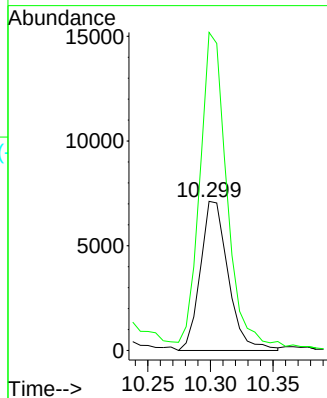
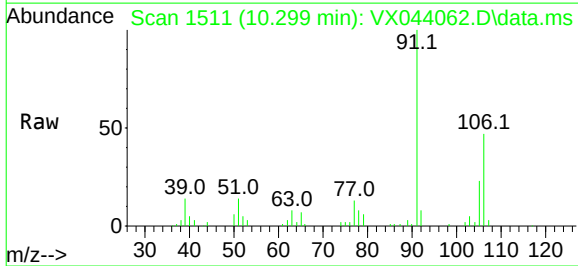
MW-13

Tgt Ion:106 Resp: 10991

Ion Ratio Lower Upper

106 100

91 209.8 168.1 252.1



#69

o-Xylene

Concen: 4.405 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044062.D

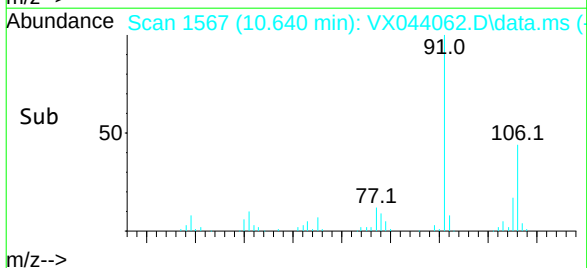
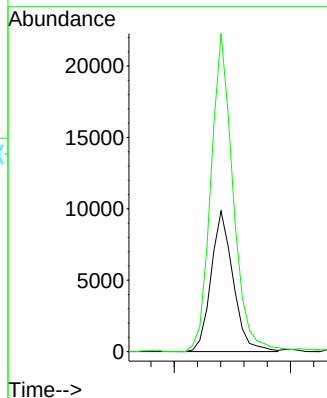
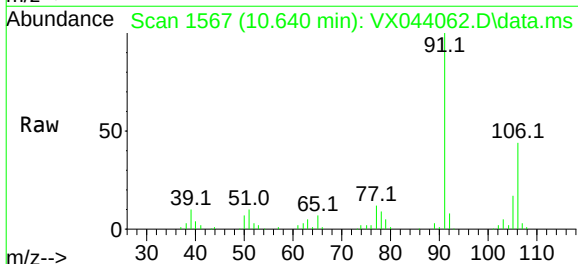
Acq: 02 Dec 2024 13:44

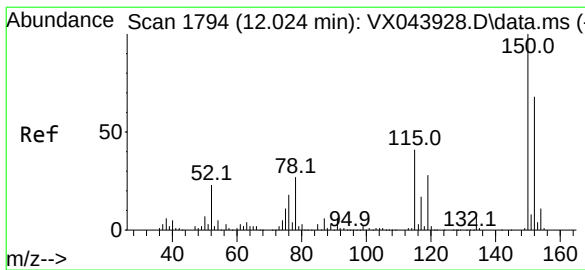
Tgt Ion:106 Resp: 12977

Ion Ratio Lower Upper

106 100

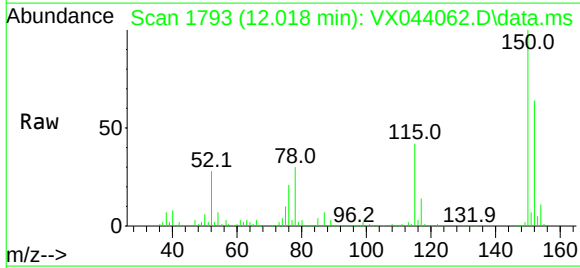
91 227.7 110.2 330.6



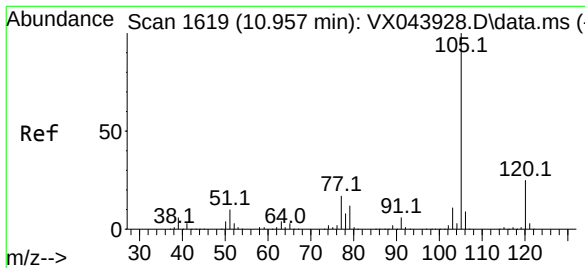
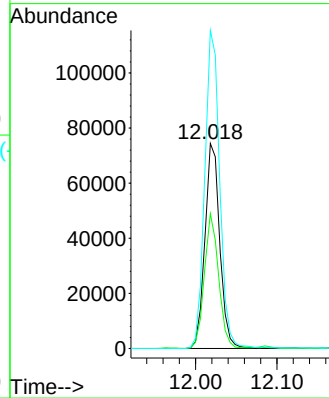
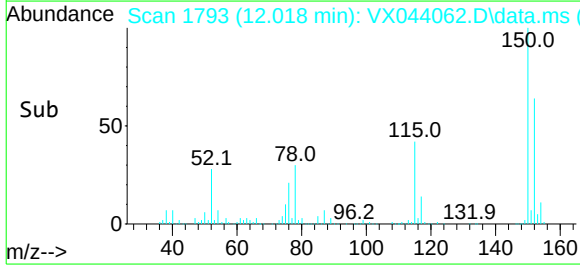


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VX044062.D
Acq: 02 Dec 2024 13:44

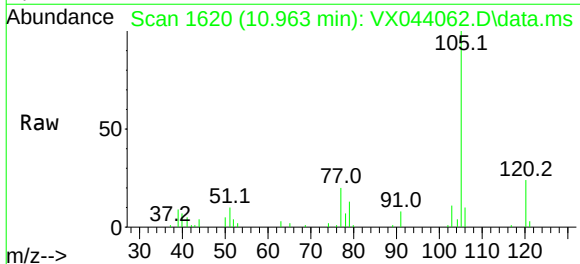
Instrument :
MSVOA_X
ClientSampleId :
MW-13



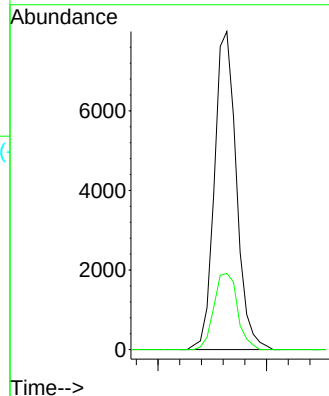
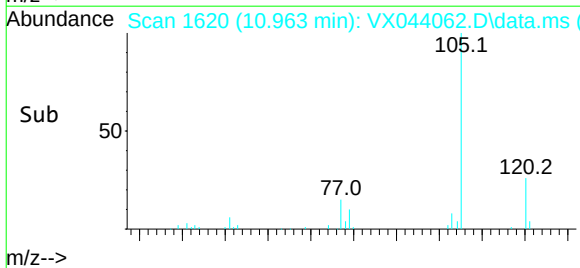
Tgt Ion:152 Resp: 94569
Ion Ratio Lower Upper
152 100
115 62.9 45.4 136.2
150 155.1 0.0 353.0

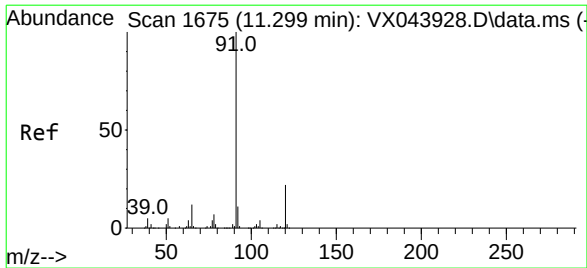


#73
Isopropylbenzene
Concen: 1.546 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX044062.D
Acq: 02 Dec 2024 13:44



Tgt Ion:105 Resp: 11235
Ion Ratio Lower Upper
105 100
120 25.7 13.0 38.9





#78

n-propylbenzene

Concen: 2.189 ug/l

RT: 11.305 min Scan# 1675

Delta R.T. 0.006 min

Lab File: VX044062.D

Acq: 02 Dec 2024 13:44

Instrument :

MSVOA_X

ClientSampleId :

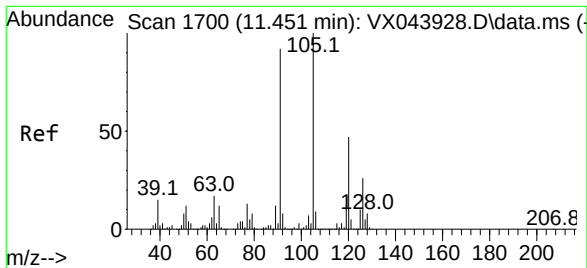
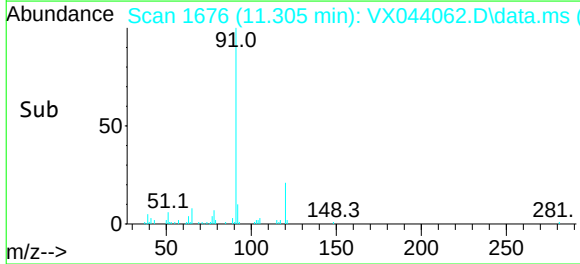
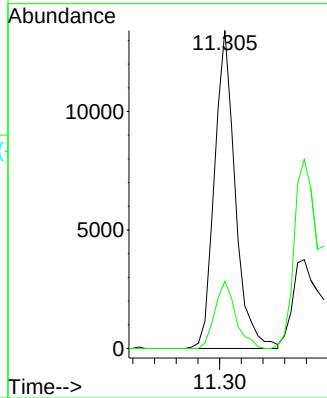
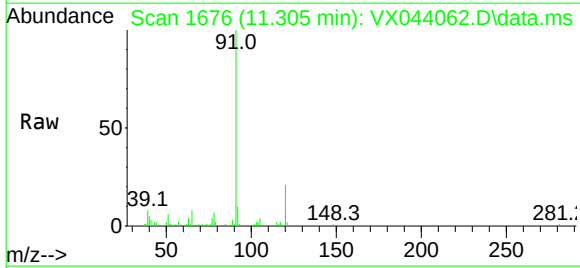
MW-13

Tgt Ion: 91 Resp: 17776

Ion Ratio Lower Upper

91 100

120 21.1 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 0.346 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044062.D

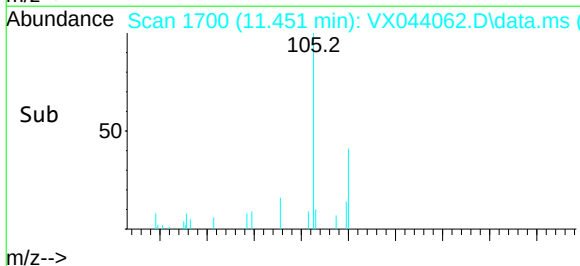
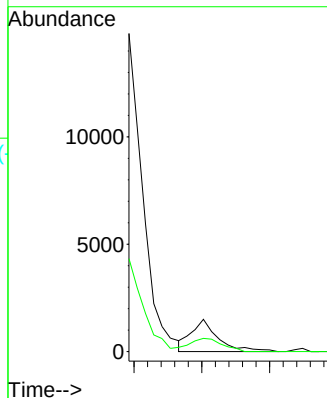
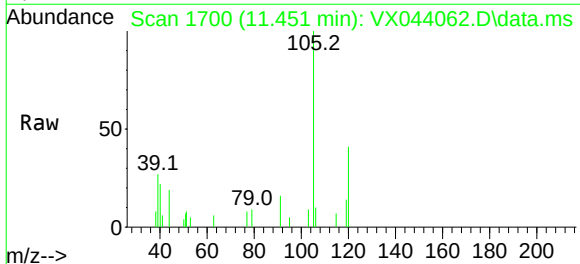
Acq: 02 Dec 2024 13:44

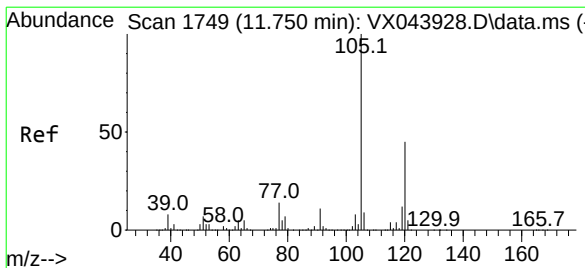
Tgt Ion:105 Resp: 2072

Ion Ratio Lower Upper

105 100

120 48.1 23.3 69.8





#84

1,2,4-Trimethylbenzene

Concen: 1.581 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044062.D

Acq: 02 Dec 2024 13:44

Instrument :

MSVOA_X

ClientSampleId :

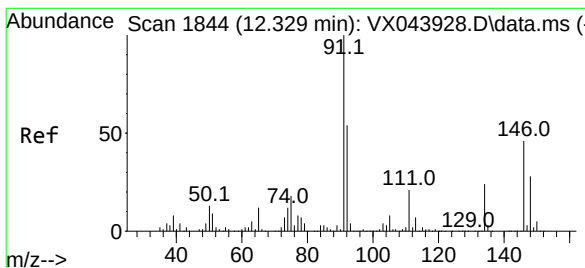
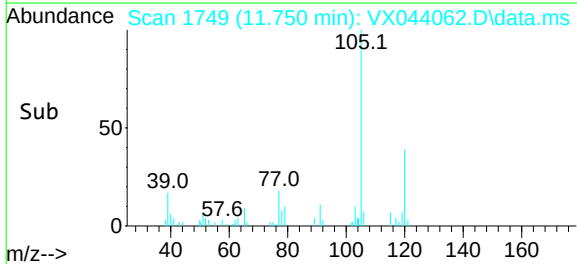
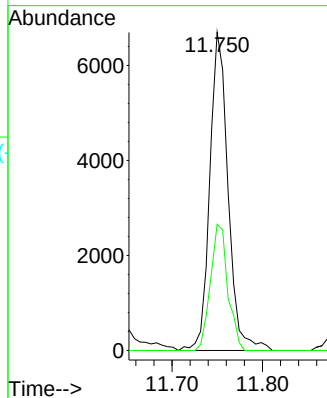
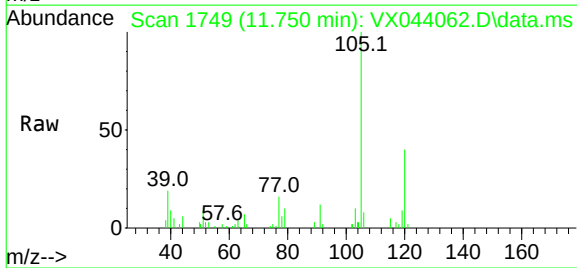
MW-13

Tgt Ion: 105 Resp: 9411

Ion Ratio Lower Upper

105 100

120 37.6 21.9 65.7



#89

n-Butylbenzene

Concen: 0.523 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.012 min

Lab File: VX044062.D

Acq: 02 Dec 2024 13:44

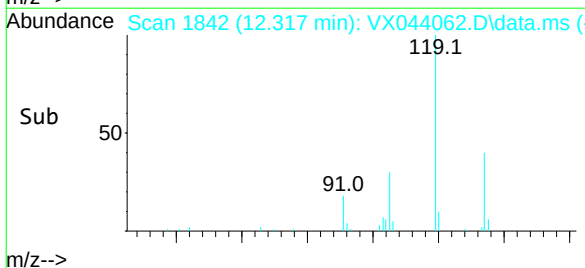
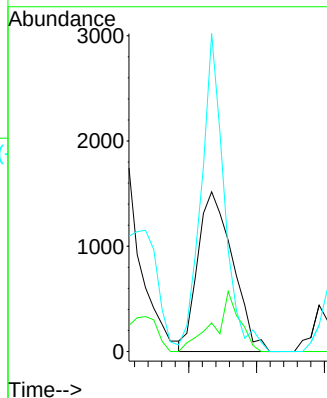
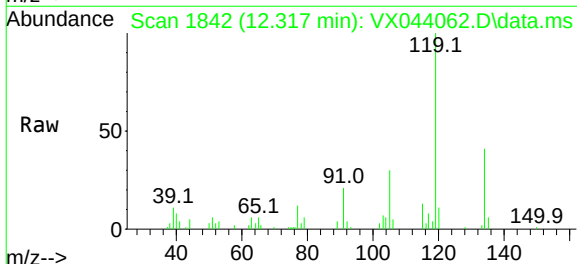
Tgt Ion: 91 Resp: 2718

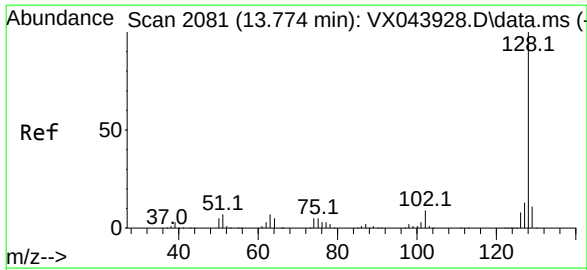
Ion Ratio Lower Upper

91 100

92 27.6 26.6 79.8

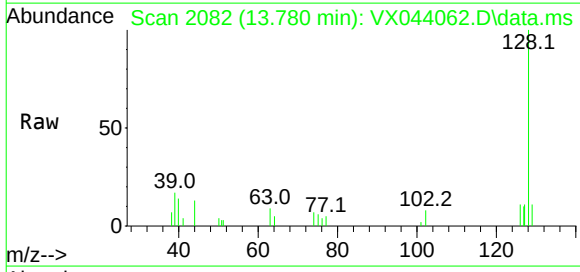
134 131.6 12.4 37.2#





#95
Naphthalene
Concen: 0.524 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX044062.D
Acq: 02 Dec 2024 13:44

Instrument :
MSVOA_X
ClientSampleId :
MW-13



Tgt Ion:	128	Resp:	3546
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.3	8.6	12.8

