

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011023\
 Data File : VD075101.D
 Acq On : 10 Jan 2023 12:38
 Operator : KP/SY
 Sample : 01080-02
 Misc : 5.12G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-1-(40-42)

Quant Time: Jan 11 01:48:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 10 03:36:33 2023
 Response via : Initial Calibration

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

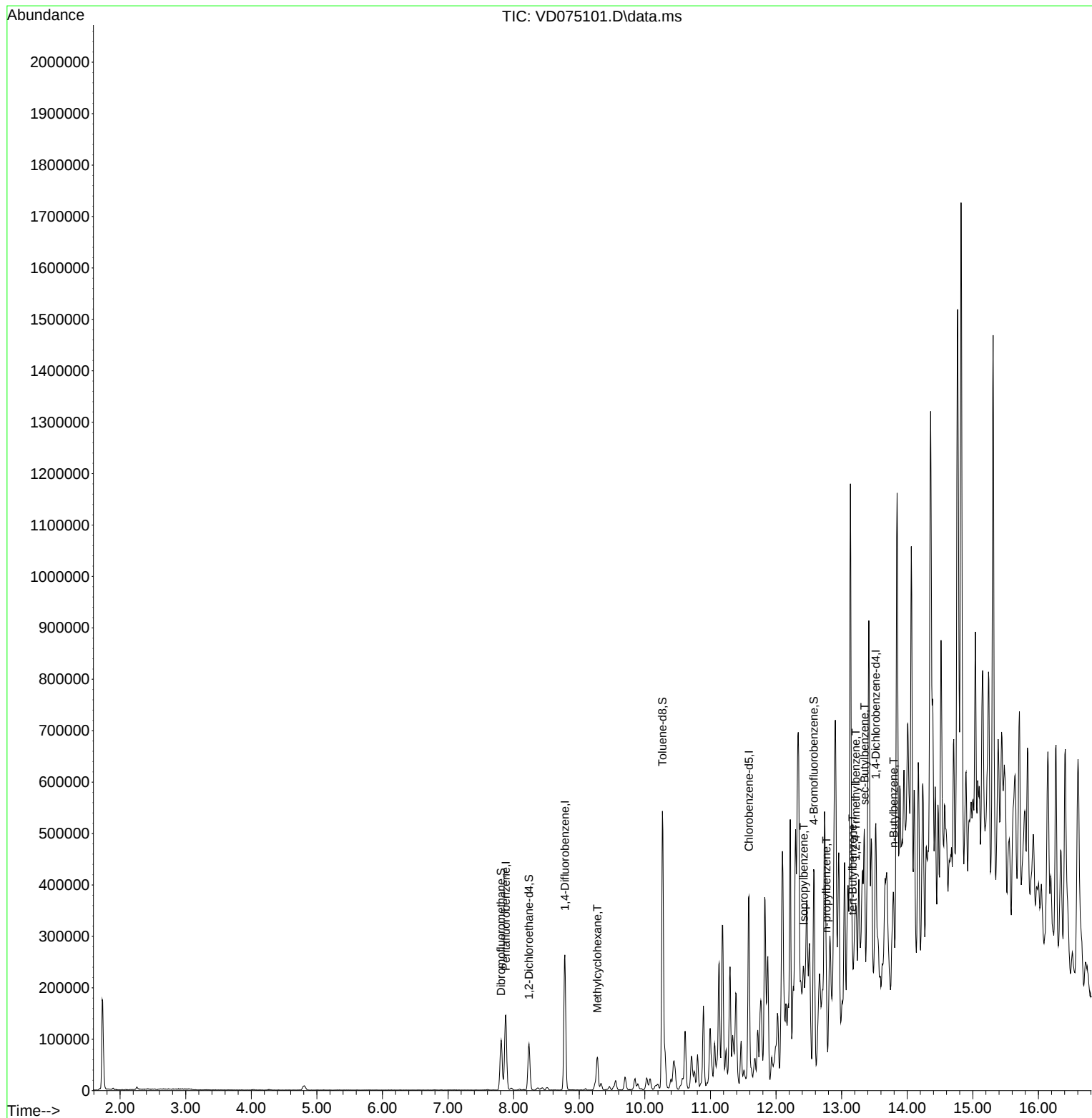
Internal Standards						
1) Pentafluorobenzene	7.881	168	110605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	234176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	209460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	90279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	68378	61.664	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.320%	
35) Dibromofluoromethane	7.810	113	72796	49.419	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.840%	
50) Toluene-d8	10.269	98	285259	48.841	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.680%	
62) 4-Bromofluorobenzene	12.575	95	99144	52.885	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.780%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.275	83	27036	12.826	ug/l	97
73) Isopropylbenzene	12.422	105	45104	6.682	ug/l	100
78) n-propylbenzene	12.769	91	104124	12.862	ug/l	98
83) tert-Butylbenzene	13.169	119	9543	1.975	ug/l	86
84) 1,2,4-Trimethylbenzene	13.216	105	72158	13.635	ug/l	100
85) sec-Butylbenzene	13.351	105	123089	16.809	ug/l	78
89) n-Butylbenzene	13.792	91	90843	15.615	ug/l	89

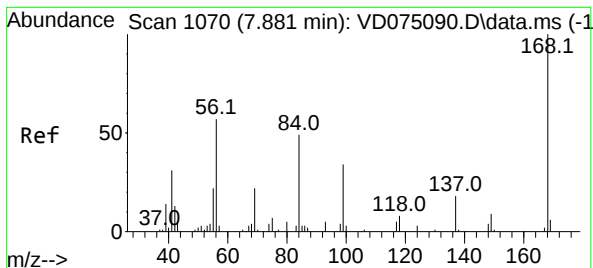
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 10 03:36:33 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 110605

Delta R.T. -0.000 min

Lab File: VD075101.D

Acq: 10 Jan 2023 12:38

Instrument :

MSVOA_D

ClientSampleId :

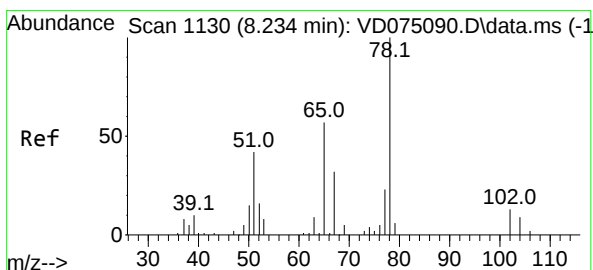
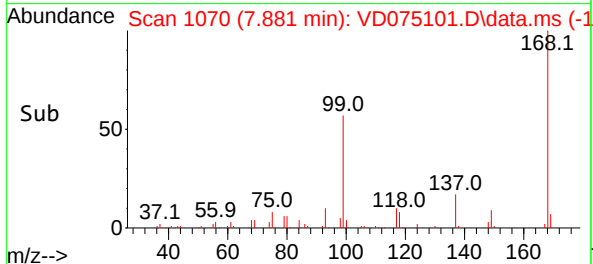
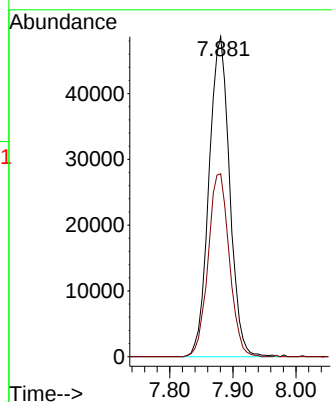
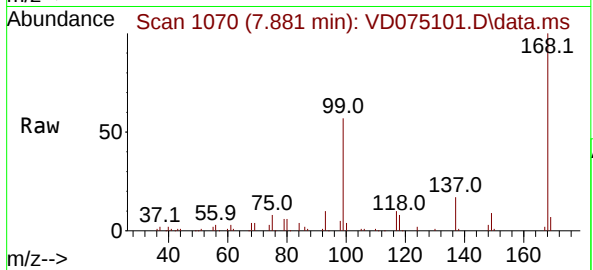
B-1-(40-42)

Tgt Ion:168 Resp: 110605

Ion Ratio Lower Upper

168 100

99 57.1 43.2 64.8



#33

1,2-Dichloroethane-d4

Concen: 61.664 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD075101.D

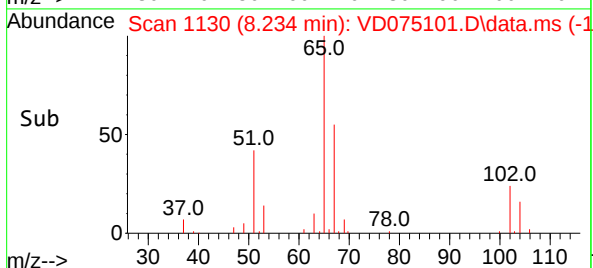
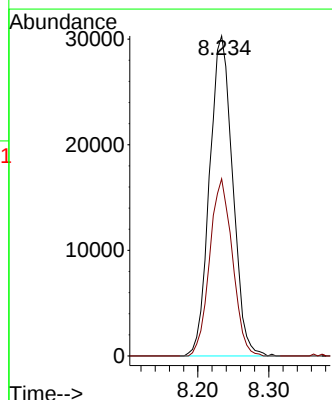
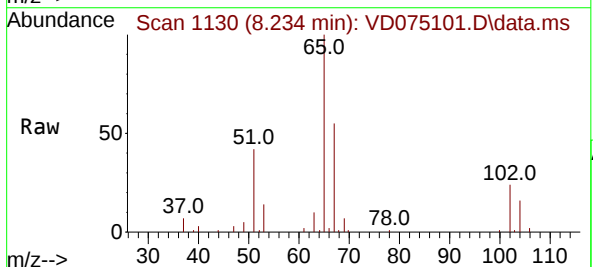
Acq: 10 Jan 2023 12:38

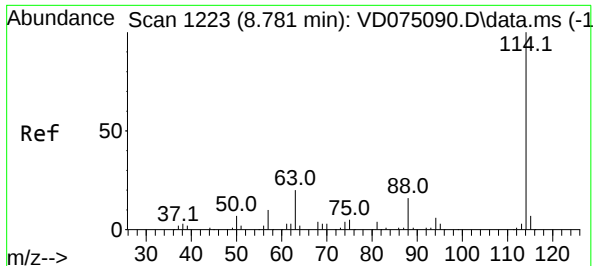
Tgt Ion: 65 Resp: 68378

Ion Ratio Lower Upper

65 100

67 54.5 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD075101.D

Acq: 10 Jan 2023 12:38

Instrument :

MSVOA_D

ClientSampleId :

B-1-(40-42)

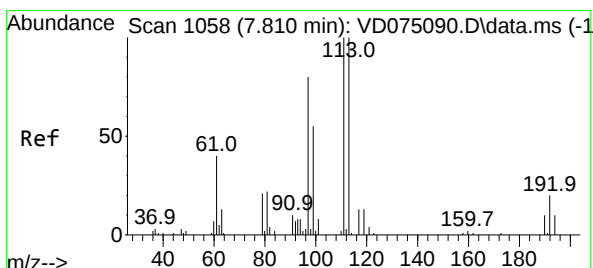
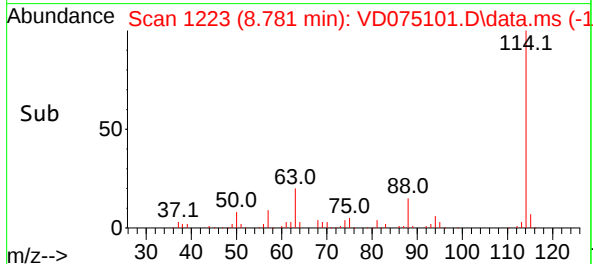
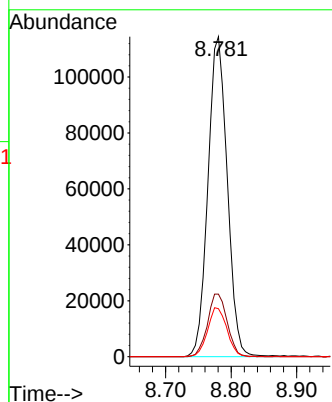
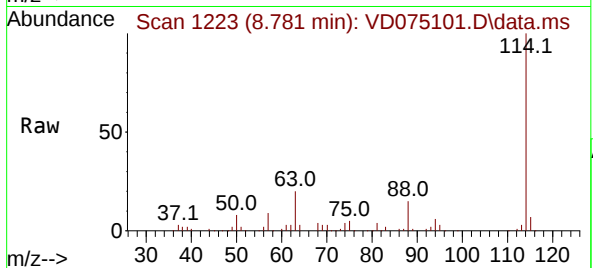
Tgt Ion:114 Resp: 234176

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 15.0 0.0 31.2



#35

Dibromofluoromethane

Concen: 49.419 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD075101.D

Acq: 10 Jan 2023 12:38

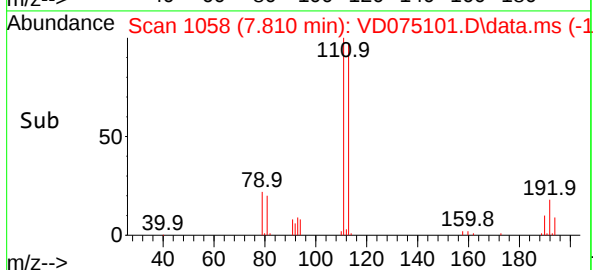
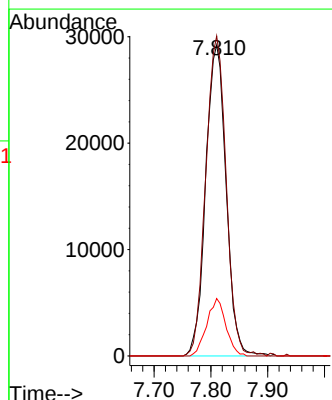
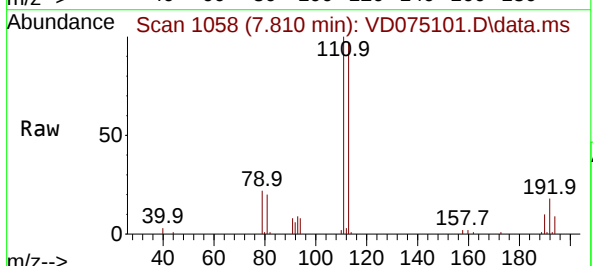
Tgt Ion:113 Resp: 72796

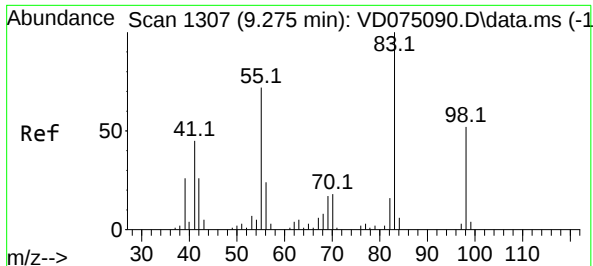
Ion Ratio Lower Upper

113 100

111 102.6 83.2 124.8

192 17.3 15.0 22.6





#39

Methylcyclohexane

Concen: 12.826 ug/l

RT: 9.275 min Scan# 1307

Delta R.T. -0.000 min

Lab File: VD075101.D

Acq: 10 Jan 2023 12:38

Instrument :

MSVOA_D

ClientSampleId :

B-1-(40-42)

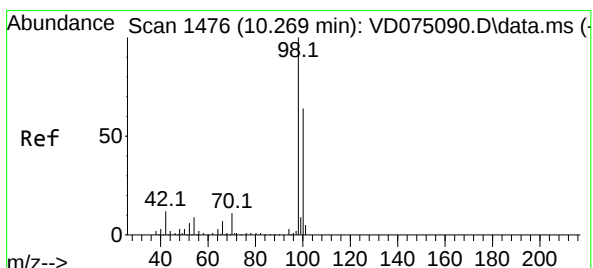
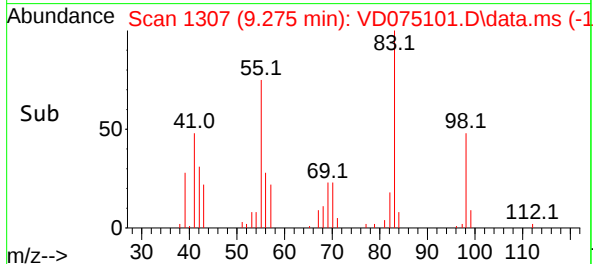
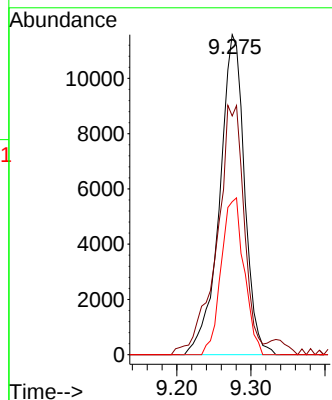
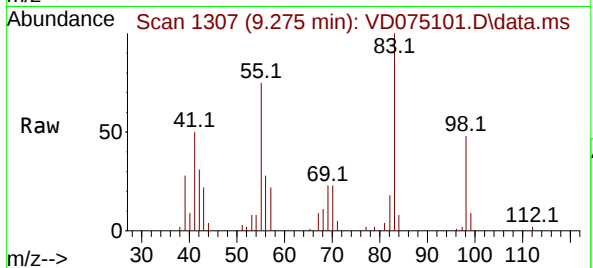
Tgt Ion: 83 Resp: 27036

Ion Ratio Lower Upper

83 100

55 72.3 57.6 86.4

98 47.8 41.4 62.0



#50

Toluene-d8

Concen: 48.841 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD075101.D

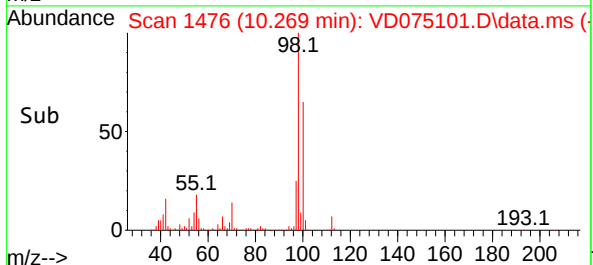
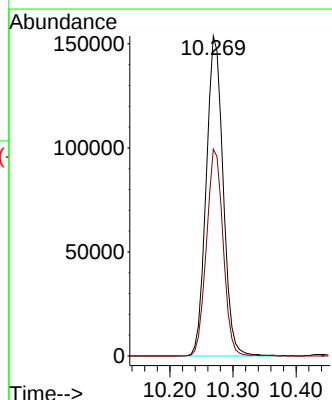
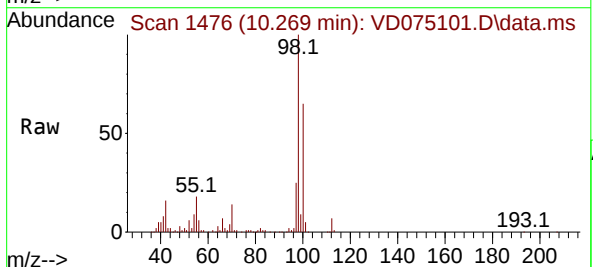
Acq: 10 Jan 2023 12:38

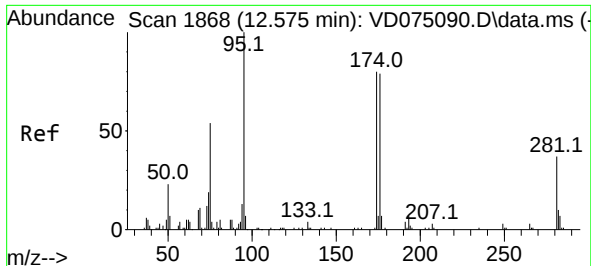
Tgt Ion: 98 Resp: 285259

Ion Ratio Lower Upper

98 100

100 63.6 52.4 78.6

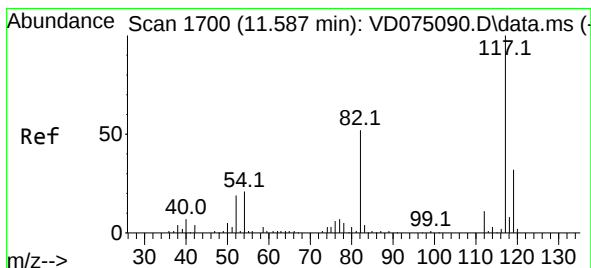
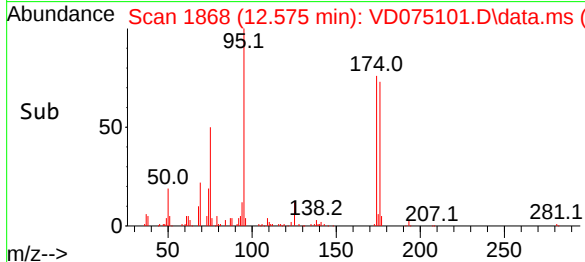
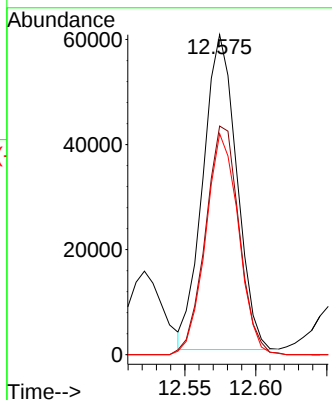
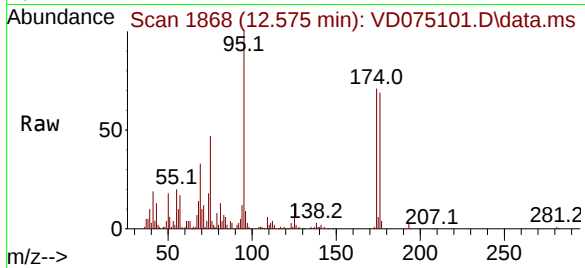




#62
4-Bromofluorobenzene
Concen: 52.885 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

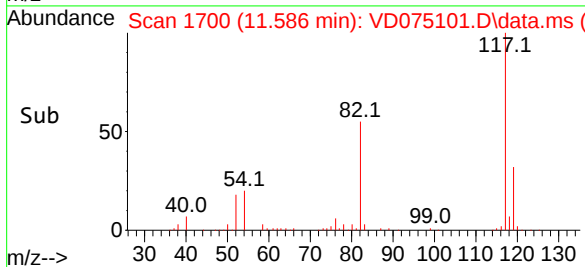
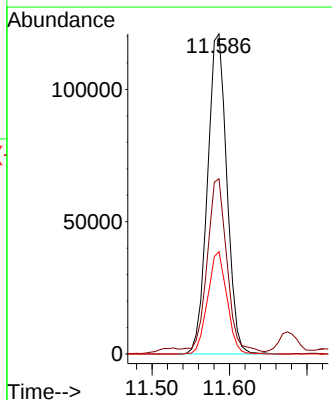
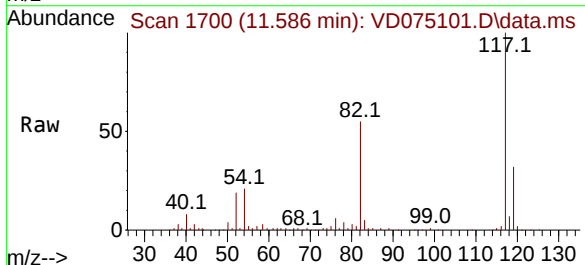
Instrument :
MSVOA_D
ClientSampleId :
B-1-(40-42)

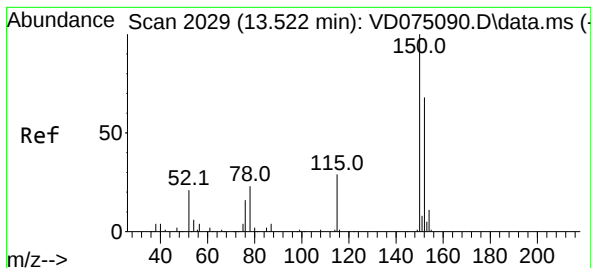
Tgt Ion:	95	Resp:	99144
Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	168.4
176	68.3	0.0	163.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.586 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Tgt Ion:	117	Resp:	209460
Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.3	61.9
119	32.0	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. -0.000 min

Lab File: VD075101.D

Acq: 10 Jan 2023 12:38

Instrument :

MSVOA_D

ClientSampleId :

B-1-(40-42)

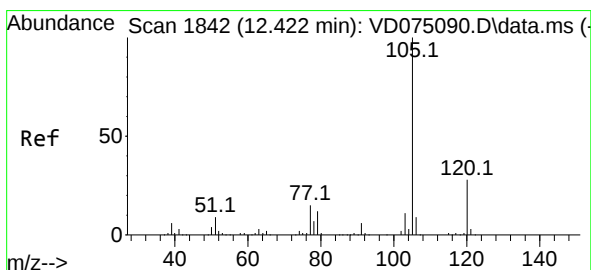
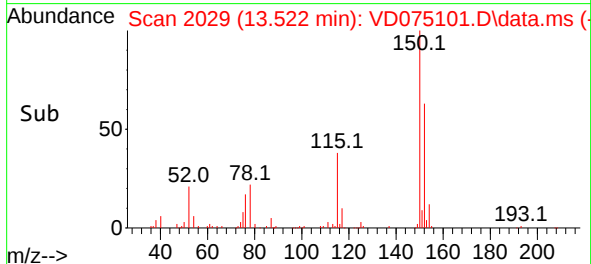
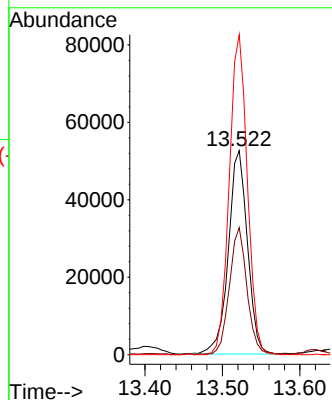
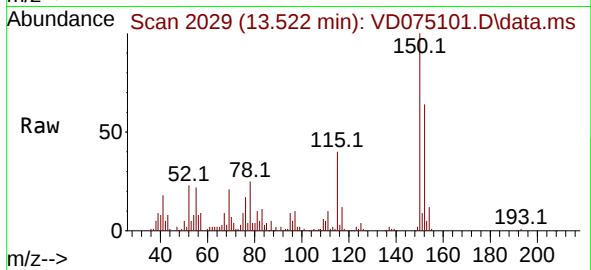
Tgt Ion:152 Resp: 90279

Ion Ratio Lower Upper

152 100

115 57.9 28.7 86.1

150 148.2 0.0 343.2



#73

Isopropylbenzene

Concen: 6.682 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD075101.D

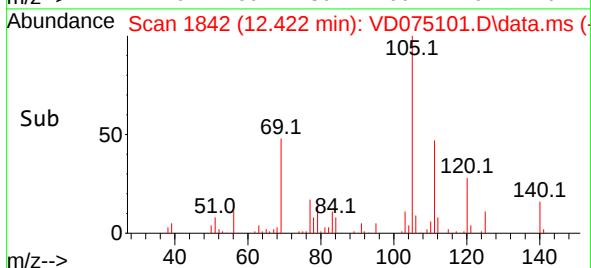
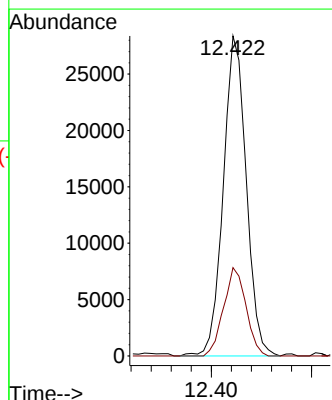
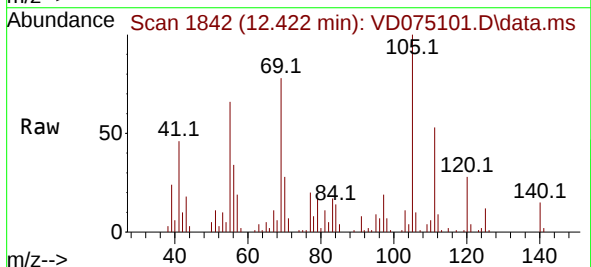
Acq: 10 Jan 2023 12:38

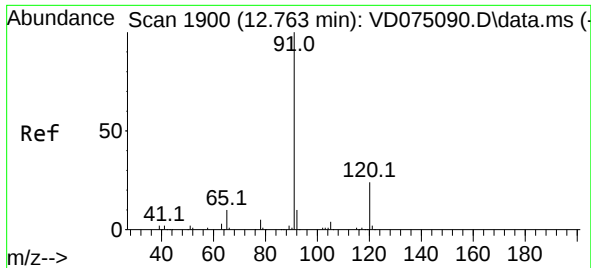
Tgt Ion:105 Resp: 45104

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7

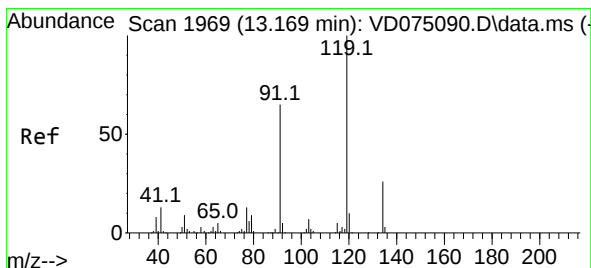
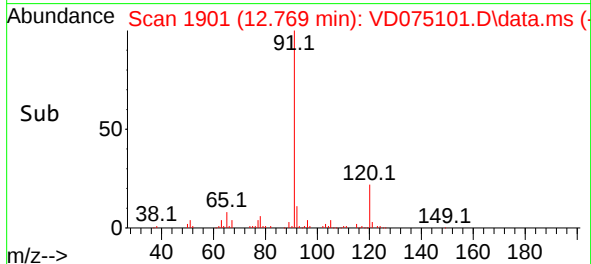
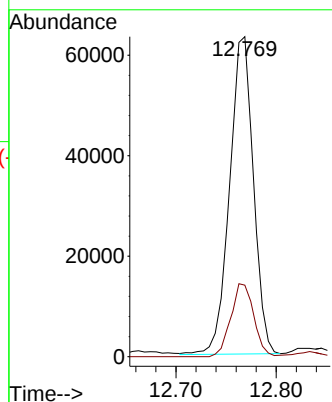
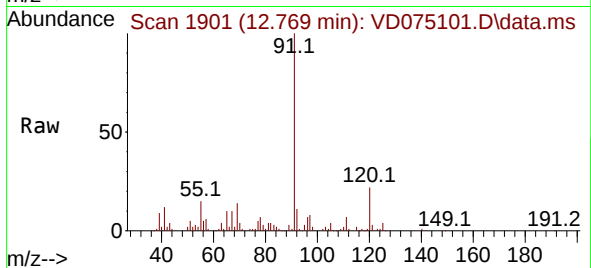




#78
n-propylbenzene
Concen: 12.862 ug/l
RT: 12.769 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

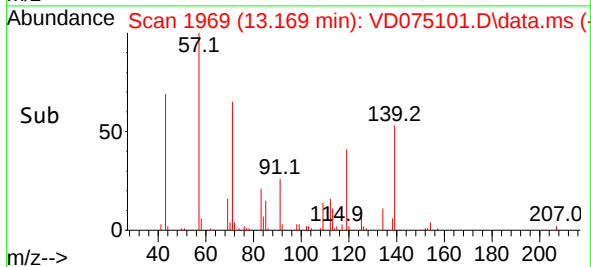
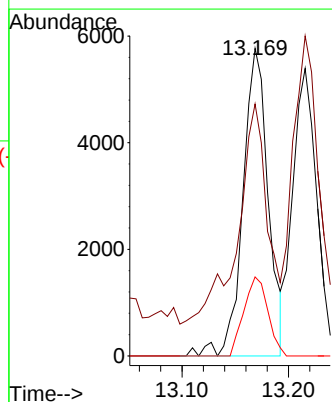
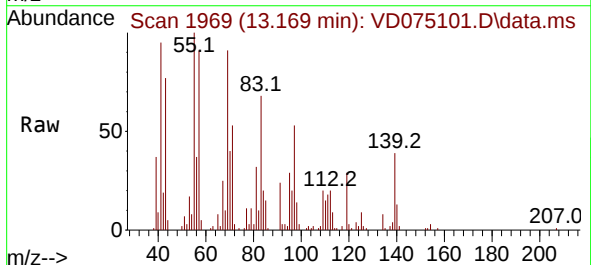
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B-1-(40-42)

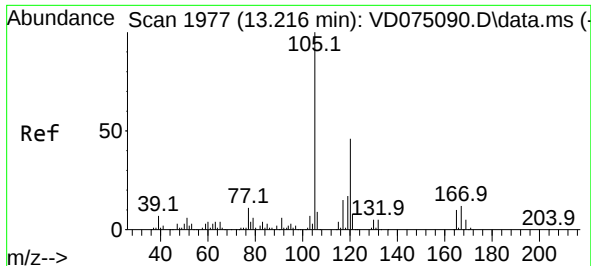
Tgt Ion: 91 Resp: 104124
Ion Ratio Lower Upper
91 100
120 22.3 11.7 35.0



#83
tert-Butylbenzene
Concen: 1.975 ug/l
RT: 13.169 min Scan# 1969
Delta R.T. -0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Tgt Ion: 119 Resp: 9543
Ion Ratio Lower Upper
119 100
91 79.3 32.6 97.8
134 24.3 13.7 41.1

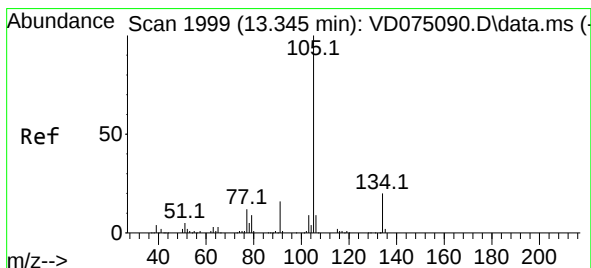
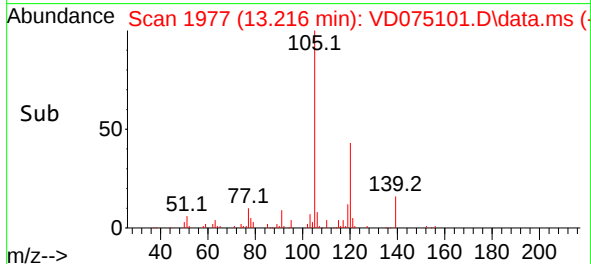
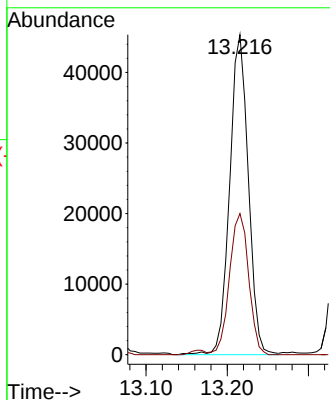
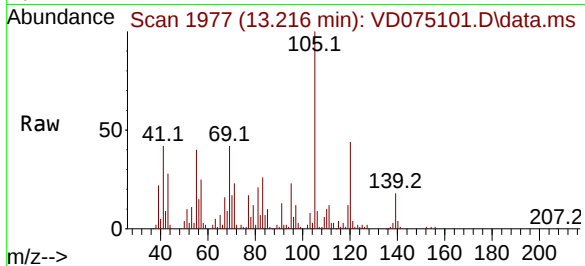




#84
1,2,4-Trimethylbenzene
Concen: 13.635 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. -0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

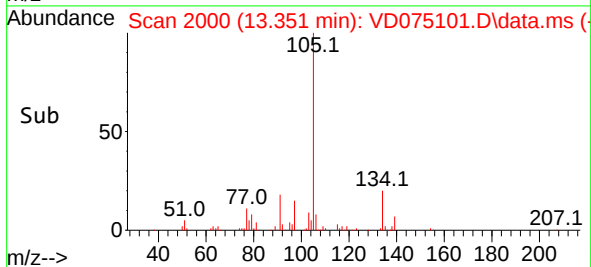
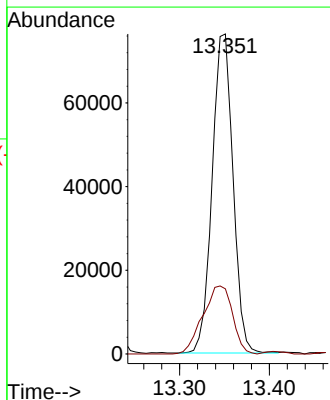
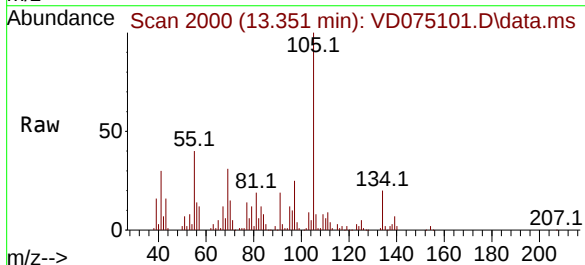
Instrument :
MSVOA_D
ClientSampleId :
B-1-(40-42)

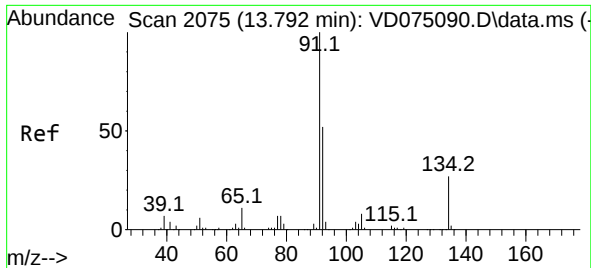
Tgt Ion:105 Resp: 72158
Ion Ratio Lower Upper
105 100
120 45.3 22.8 68.4



#85
sec-Butylbenzene
Concen: 16.809 ug/l
RT: 13.351 min Scan# 2000
Delta R.T. 0.006 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Tgt Ion:105 Resp: 123089
Ion Ratio Lower Upper
105 100
134 30.2 10.1 30.3





#89

n-Butylbenzene

Concen: 15.615 ug/l

RT: 13.792 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VD075101.D

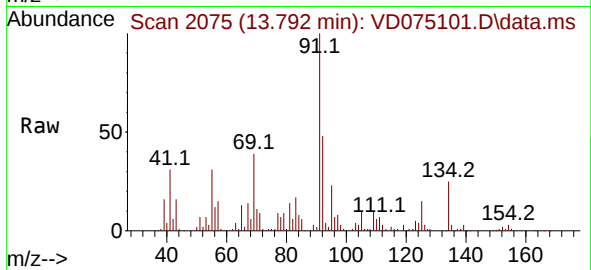
Acq: 10 Jan 2023 12:38

Instrument :

MSVOA_D

ClientSampleId :

B-1-(40-42)



Tgt Ion: 91 Resp: 90843

Ion Ratio Lower Upper

91 100

92 48.9 26.2 78.5

134 38.6 13.2 39.6

