

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD123021\
 Data File : VD071544.D
 Acq On : 30 Dec 2021 12:54
 Operator : VA/SY
 Sample : M5237-04
 Misc : 5.85G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1D

Quant Time: Dec 30 15:32:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

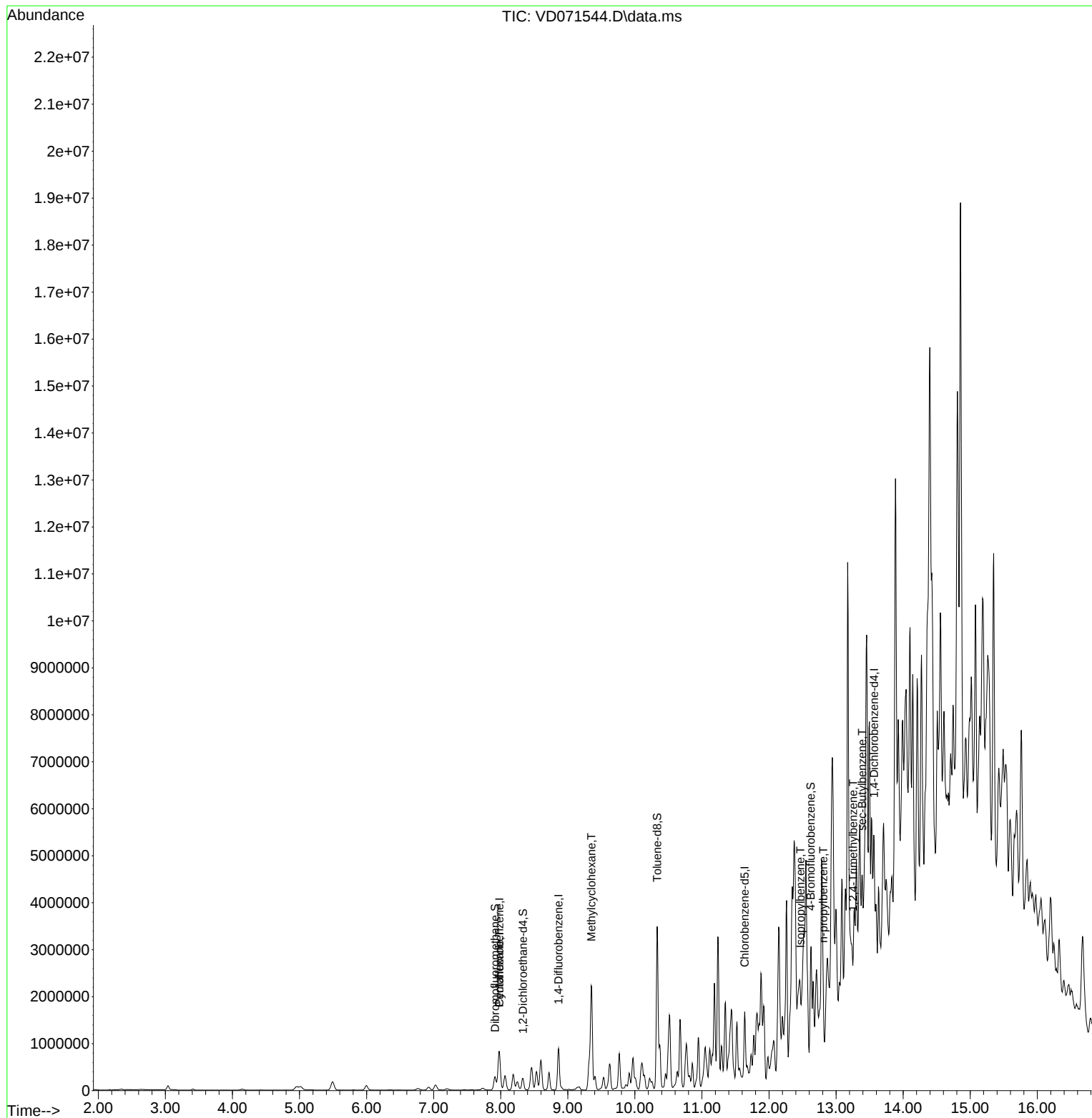
Internal Standards						
1) Pentafluorobenzene	7.979	168	379983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	635606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	652897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	415909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	198455	39.325	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.660%
35) Dibromofluoromethane	7.914	113	189846	44.442	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.880%
50) Toluene-d8	10.332	98	948147	58.734	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	117.460%
62) 4-Bromofluorobenzene	12.620	95	482561	84.122	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	168.240%#
Target Compounds						
					Qvalue	
31) Cyclohexane	7.979	56	162308	18.933	ug/l	98
39) Methylcyclohexane	9.350	83	862682	107.983	ug/l	98
73) Isopropylbenzene	12.467	105	154725	4.825	ug/l	100
78) n-propylbenzene	12.808	91	267296	6.651	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	84925	3.244	ug/l	93
85) sec-Butylbenzene	13.391	105	379007	11.000	ug/l #	67

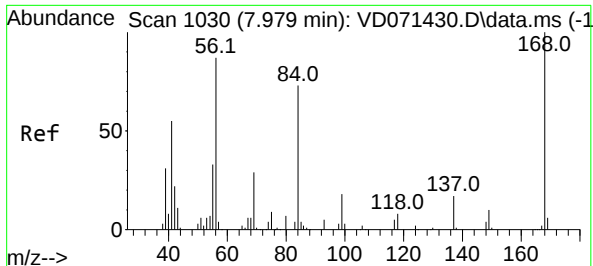
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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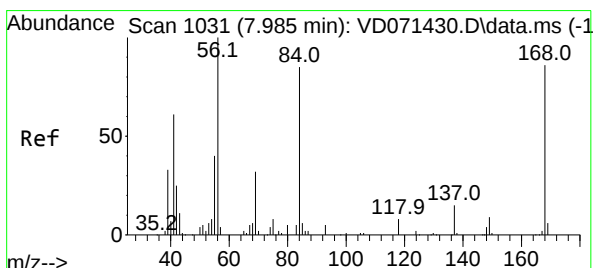
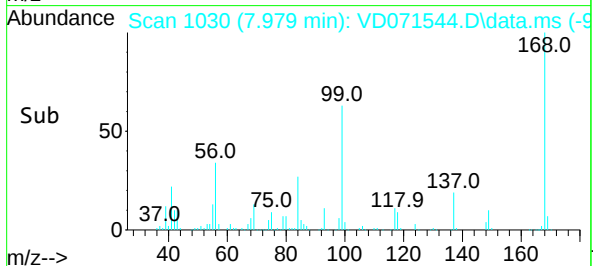
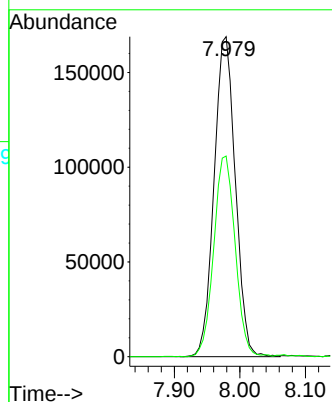
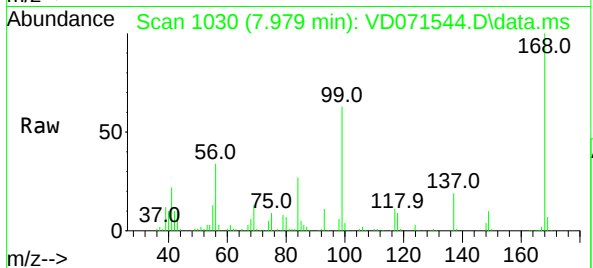




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071544.D
Acq: 30 Dec 2021 12:54

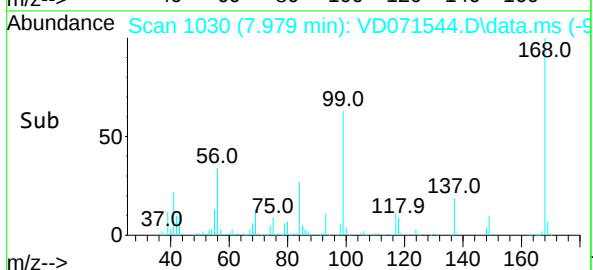
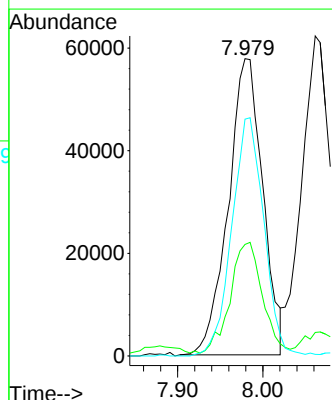
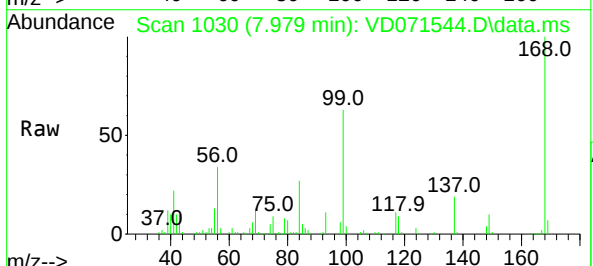
Instrument :
MSVOA_D
ClientSampleId :
TP-1D

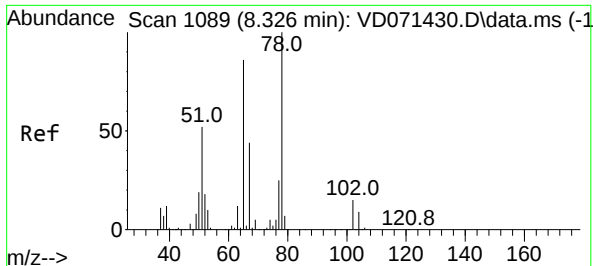
Tgt Ion:168 Resp: 379983
Ion Ratio Lower Upper
168 100
99 62.6 46.6 69.8



#31
Cyclohexane
Concen: 18.933 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071544.D
Acq: 30 Dec 2021 12:54

Tgt Ion: 56 Resp: 162308
Ion Ratio Lower Upper
56 100
69 35.1 25.9 38.9
84 79.9 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 39.325 ug/l

RT: 8.332 min Scan# 110

Delta R.T. 0.006 min

Lab File: VD071544.D

Acq: 30 Dec 2021 12:54

Instrument :

MSVOA_D

ClientSampleId :

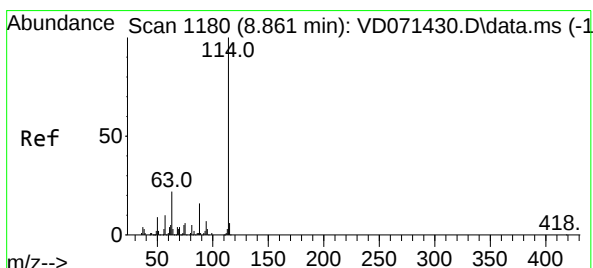
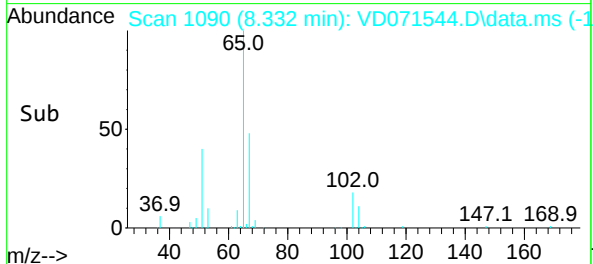
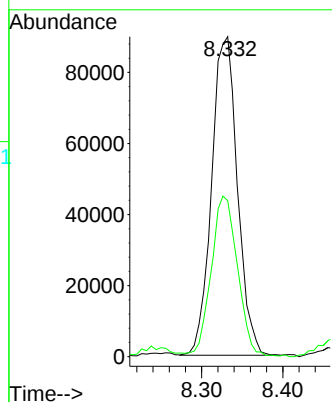
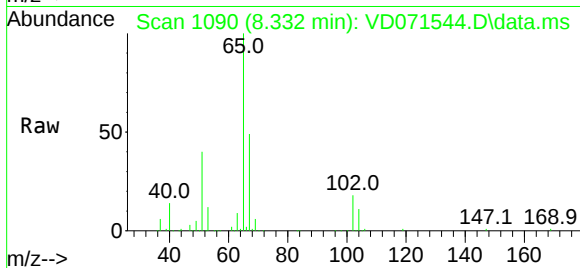
TP-1D

Tgt Ion: 65 Resp: 198455

Ion Ratio Lower Upper

65 100

67 51.6 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071544.D

Acq: 30 Dec 2021 12:54

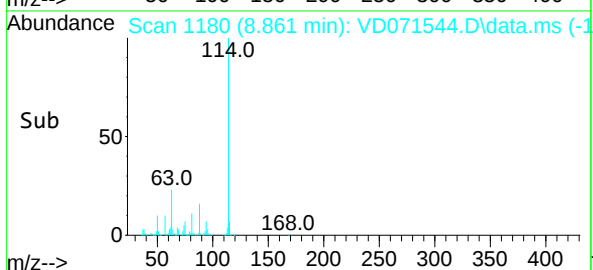
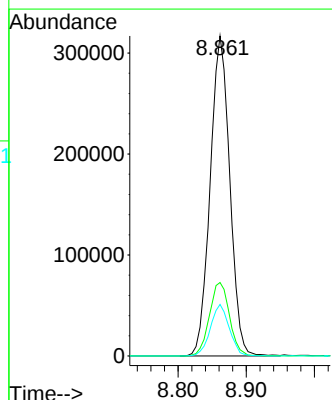
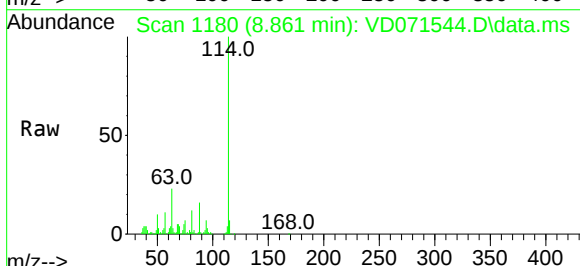
Tgt Ion: 114 Resp: 635606

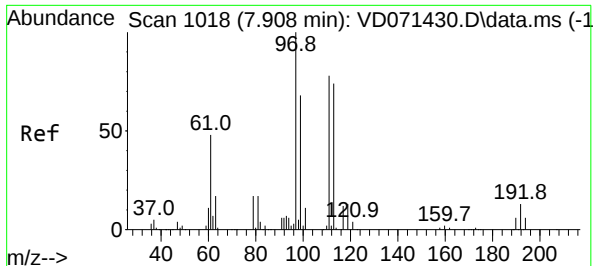
Ion Ratio Lower Upper

114 100

63 23.0 0.0 41.8

88 16.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 44.442 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071544.D

Acq: 30 Dec 2021 12:54

Instrument :

MSVOA_D

ClientSampleId :

TP-1D

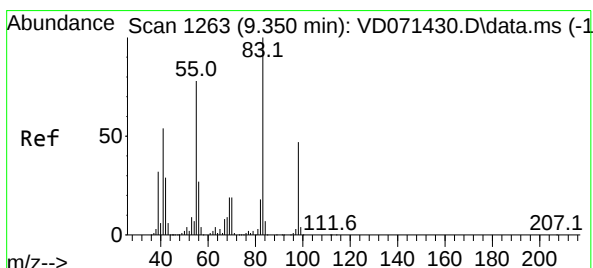
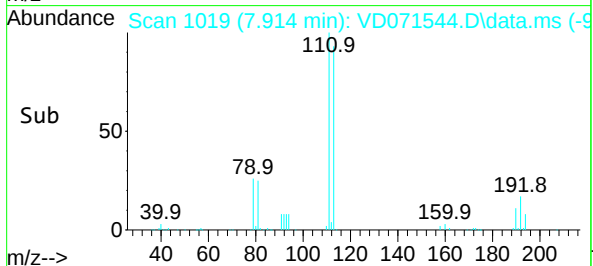
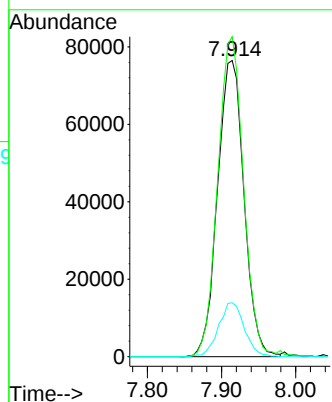
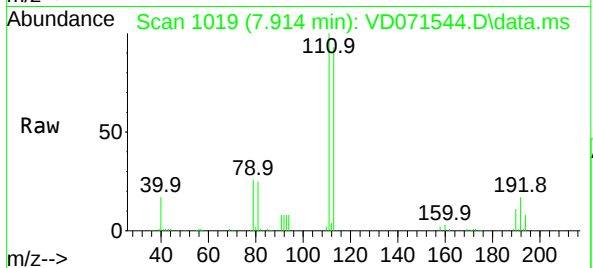
Tgt Ion:113 Resp: 189846

Ion Ratio Lower Upper

113 100

111 105.6 82.0 123.0

192 17.8 15.2 22.8



#39

Methylcyclohexane

Concen: 107.983 ug/l

RT: 9.350 min Scan# 1263

Delta R.T. 0.001 min

Lab File: VD071544.D

Acq: 30 Dec 2021 12:54

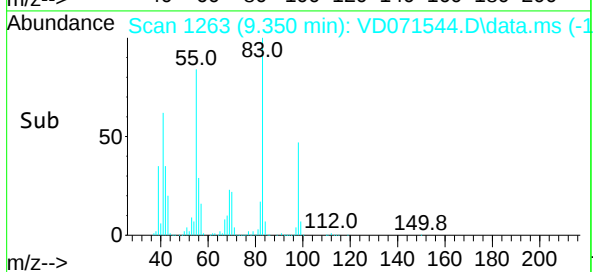
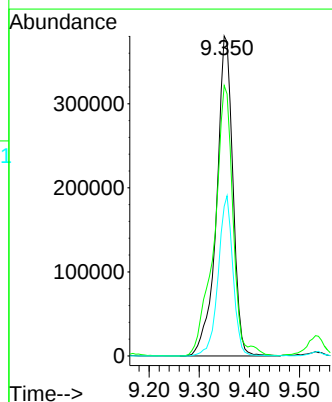
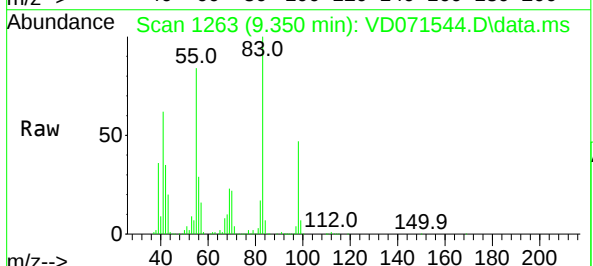
Tgt Ion: 83 Resp: 862682

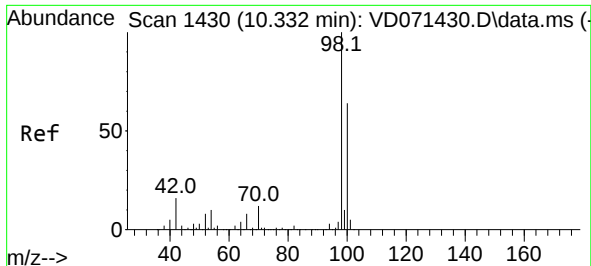
Ion Ratio Lower Upper

83 100

55 84.5 65.8 98.8

98 46.7 38.7 58.1

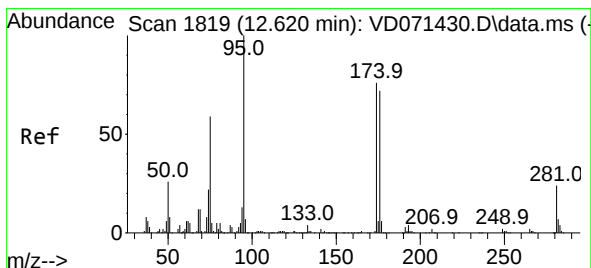
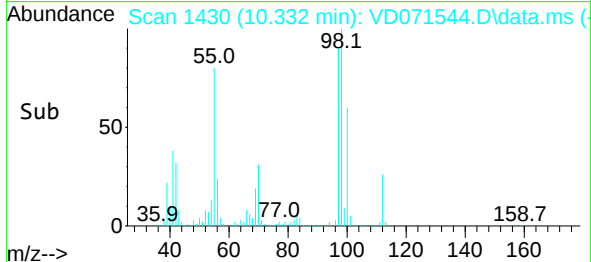
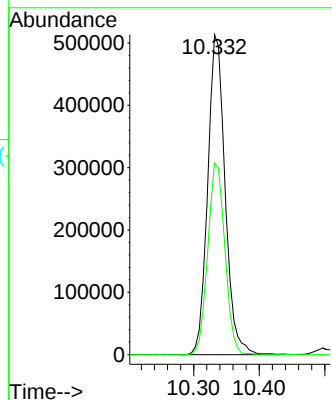
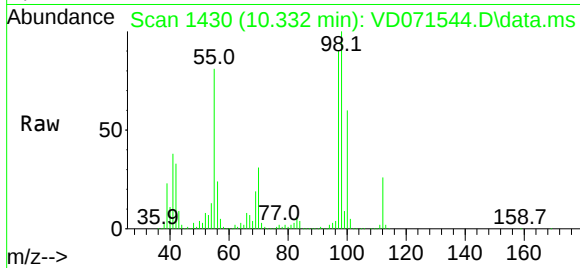




#50
Toluene-d8
Concen: 58.734 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD071544.D
Acq: 30 Dec 2021 12:54

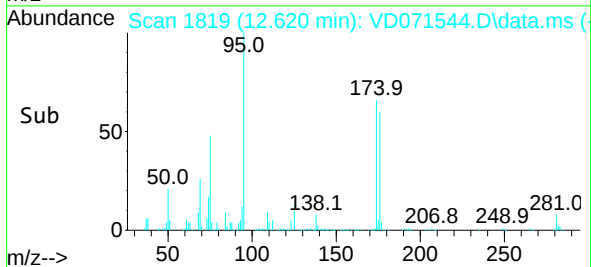
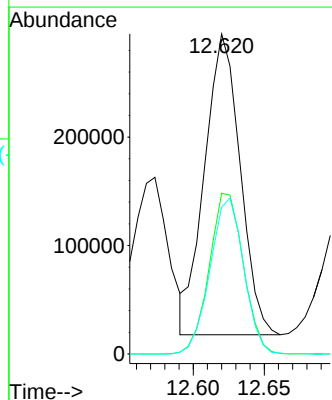
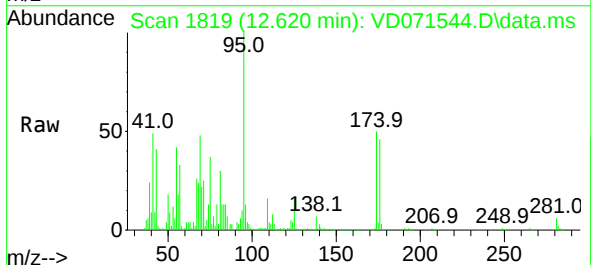
Instrument :
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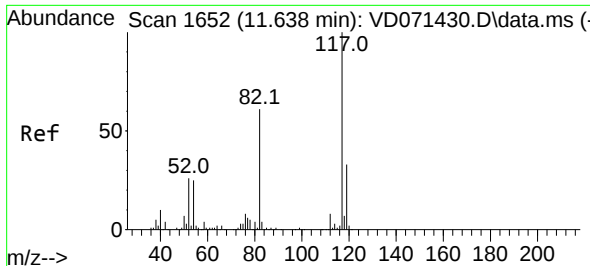
Tgt Ion: 98 Resp: 948147
Ion Ratio Lower Upper
98 100
100 59.2 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 84.122 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071544.D
Acq: 30 Dec 2021 12:54

Tgt Ion: 95 Resp: 482561
Ion Ratio Lower Upper
95 100
174 51.4 0.0 159.4
176 49.0 0.0 154.0

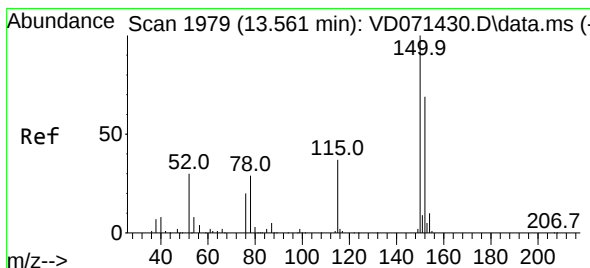
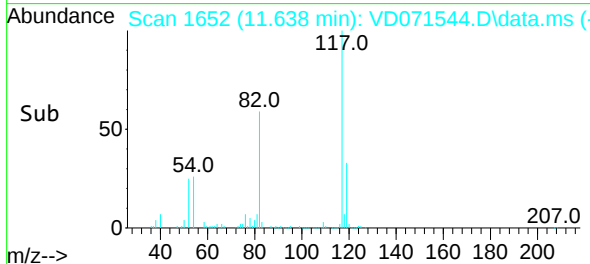
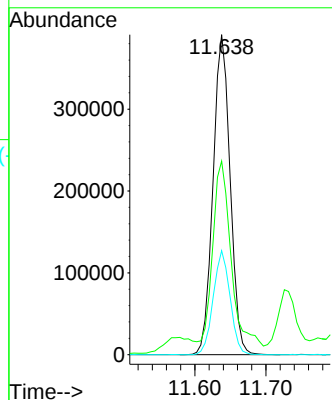
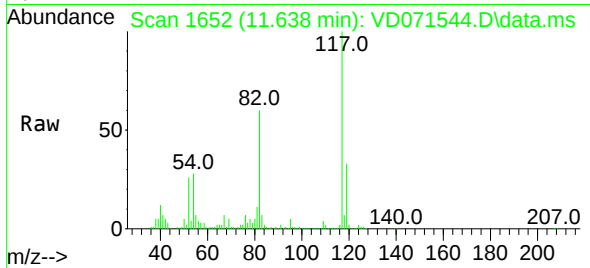




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071544.D
Acq: 30 Dec 2021 12:54

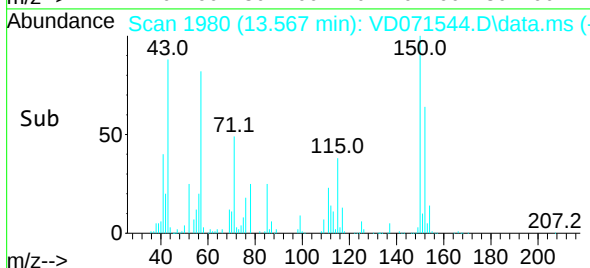
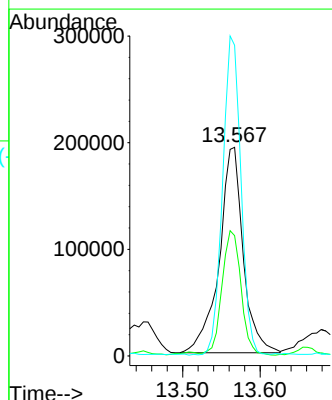
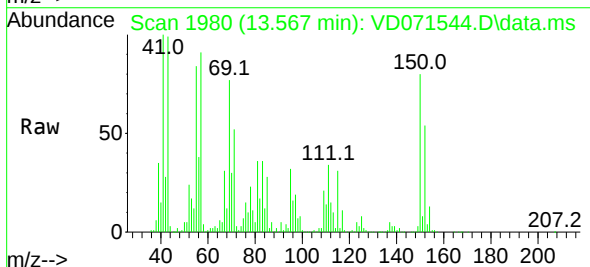
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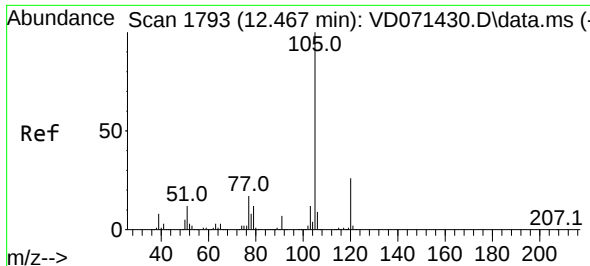
Tgt Ion:117 Resp: 652897
Ion Ratio Lower Upper
117 100
82 55.1 44.7 67.1
119 32.5 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD071544.D
Acq: 30 Dec 2021 12:54

Tgt Ion:152 Resp: 415909
Ion Ratio Lower Upper
152 100
115 48.0 29.8 89.3
150 117.8 0.0 349.2

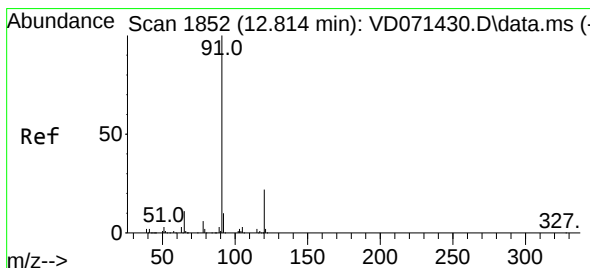
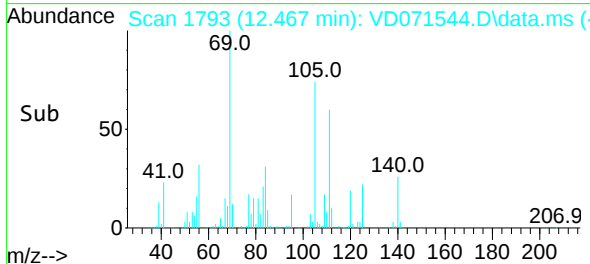
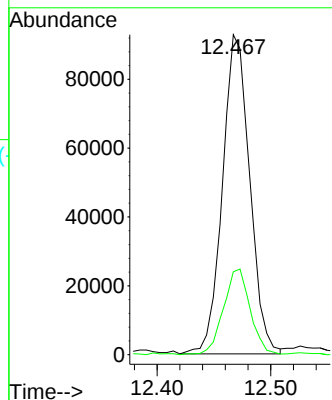
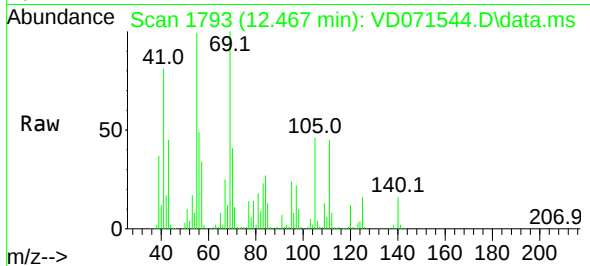




#73
Isopropylbenzene
Concen: 4.825 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD071544.D
Acq: 30 Dec 2021 12:54

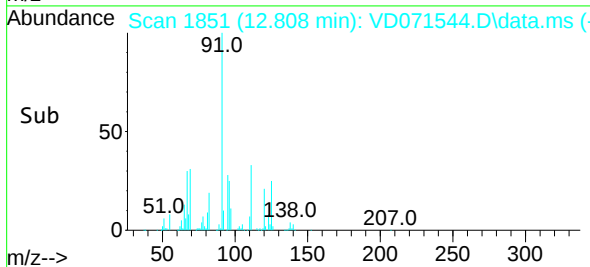
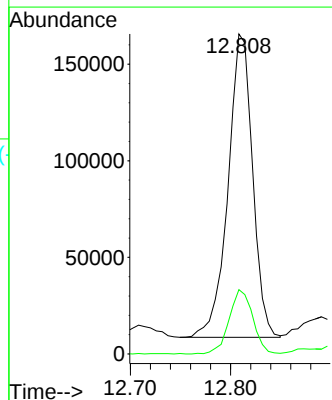
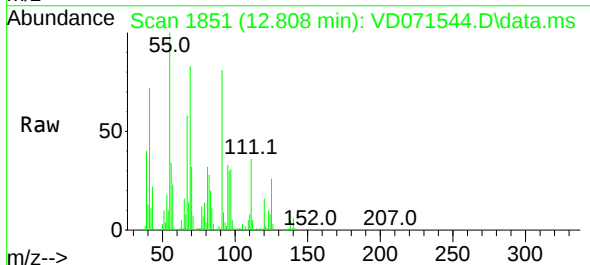
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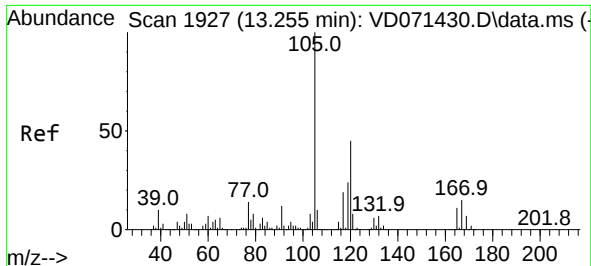
Tgt Ion:105 Resp: 154725
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.5



#78
n-propylbenzene
Concen: 6.651 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD071544.D
Acq: 30 Dec 2021 12:54

Tgt Ion: 91 Resp: 267296
Ion Ratio Lower Upper
91 100
120 20.5 10.9 32.9

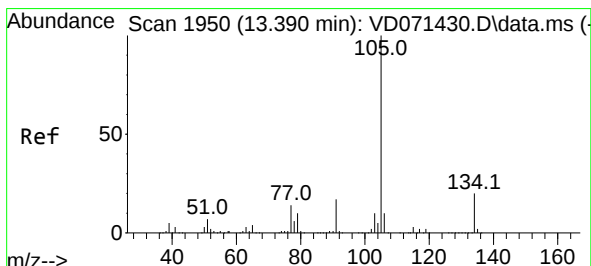
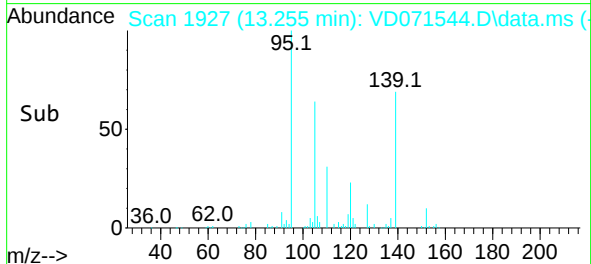
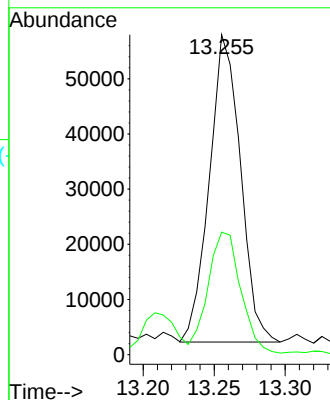
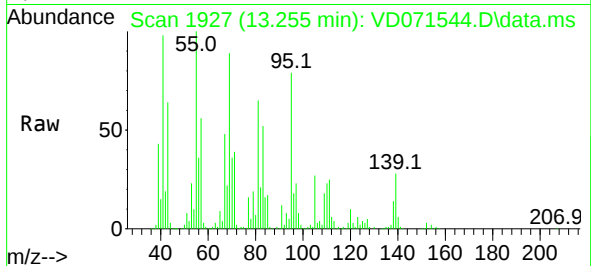




#84
1,2,4-Trimethylbenzene
Concen: 3.244 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD071544.D
Acq: 30 Dec 2021 12:54

Instrument :
MSVOA_D
ClientSampleId :
TP-1D

Tgt Ion:105 Resp: 84925
Ion Ratio Lower Upper
105 100
120 41.2 22.9 68.7



#85
sec-Butylbenzene
Concen: 11.000 ug/l
RT: 13.391 min Scan# 1950
Delta R.T. 0.001 min
Lab File: VD071544.D
Acq: 30 Dec 2021 12:54

Tgt Ion:105 Resp: 379007
Ion Ratio Lower Upper
105 100
134 34.4 9.7 28.9#

