

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122721\
 Data File : VD071485.D
 Acq On : 27 Dec 2021 15:15
 Operator : VA/SY
 Sample : M5182-08
 Misc : 4.40G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HB-1-(18.5-23.5)-12-17-21

Quant Time: Dec 27 16:49:09 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)

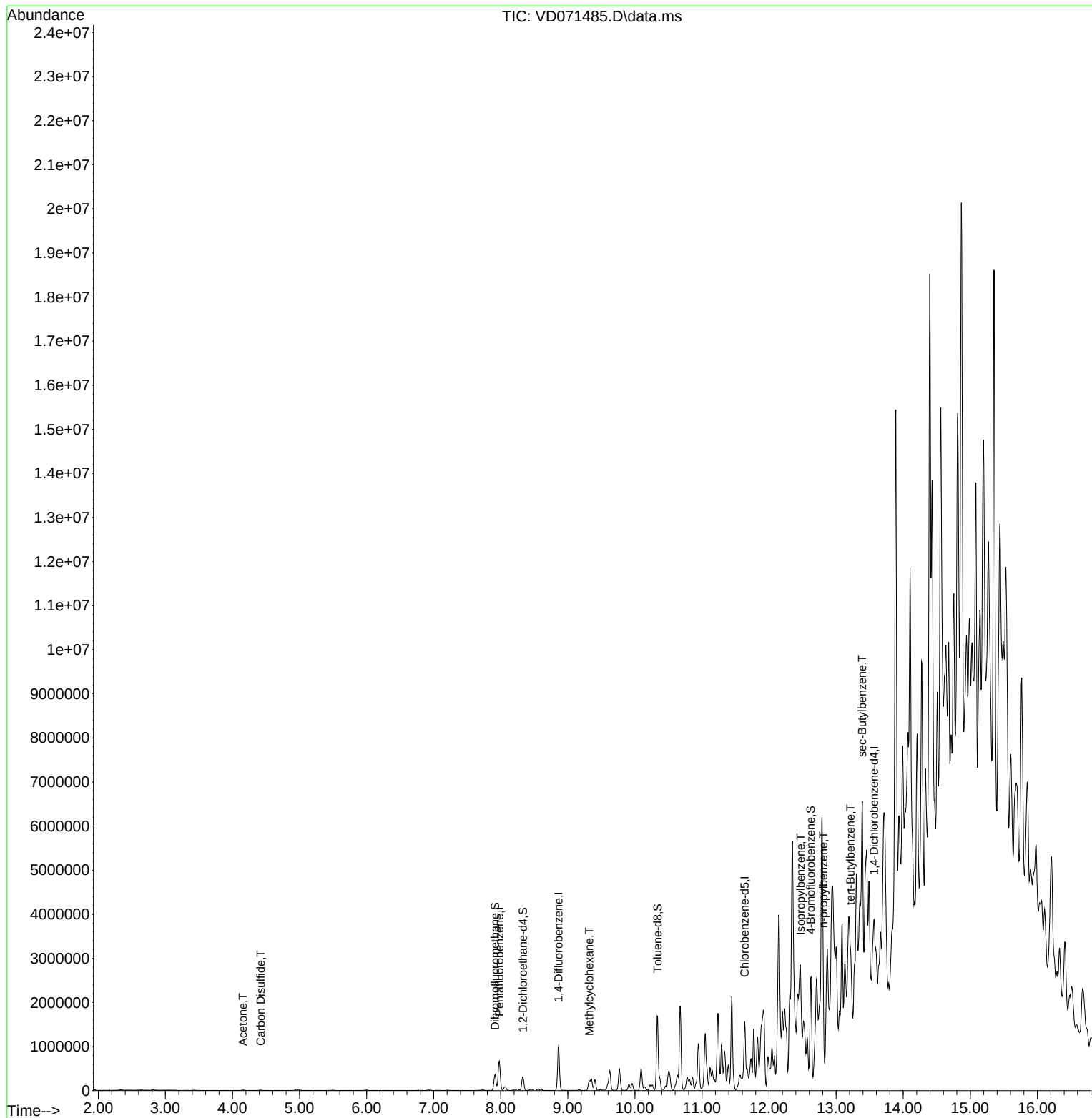
Internal Standards						
1) Pentafluorobenzene	7.979	168	467793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	806831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	727882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	399646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	251847	40.537	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.080%		
35) Dibromofluoromethane	7.914	113	246472	45.453	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.900%		
50) Toluene-d8	10.338	98	1025236	50.031	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.060%		
62) 4-Bromofluorobenzene	12.620	95	450427	61.857	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	123.720%		
Target Compounds						
16) Acetone	4.156	43	19846	12.718	ug/l	97
17) Carbon Disulfide	4.420	76	18051	1.137	ug/l	99
39) Methylcyclohexane	9.320	83	66388	6.546	ug/l #	33
73) Isopropylbenzene	12.473	105	599780	19.466	ug/l	99
78) n-propylbenzene	12.808	91	387702	10.039	ug/l	95
83) tert-Butylbenzene	13.214	119	188567	8.683	ug/l	85
85) sec-Butylbenzene	13.391	105	1916396	57.886	ug/l	85

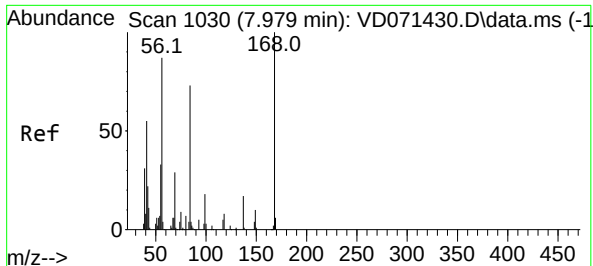
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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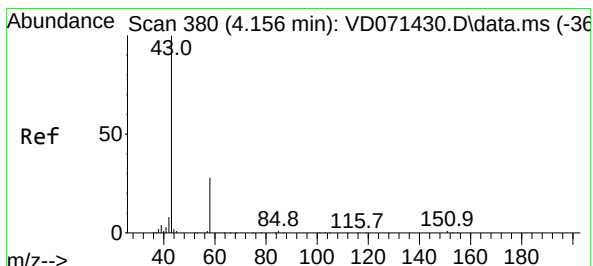
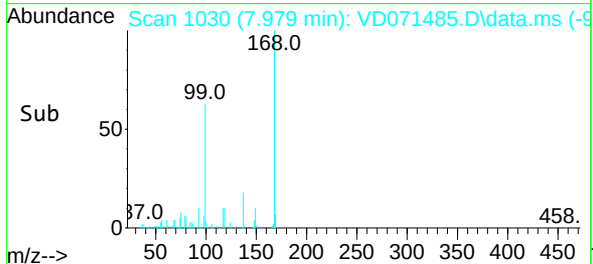
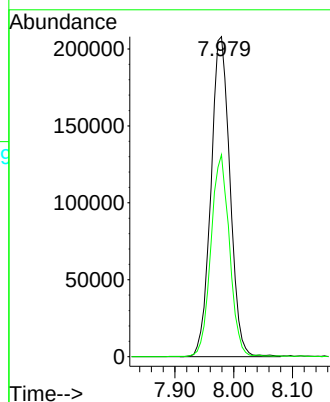
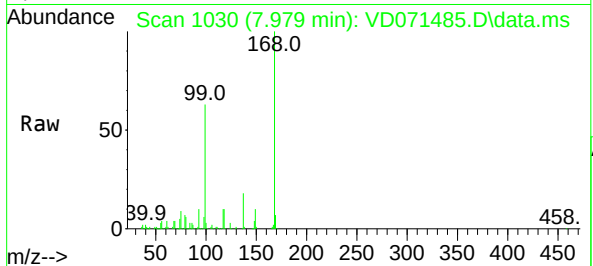




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071485.D
Acq: 27 Dec 2021 15:15

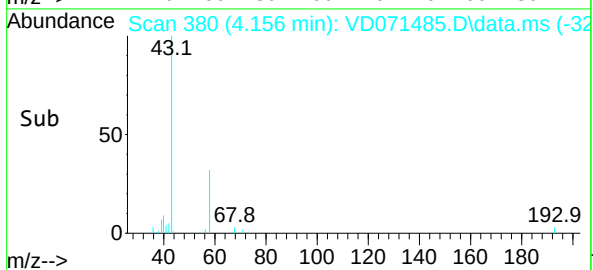
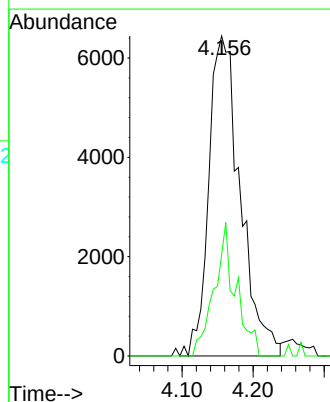
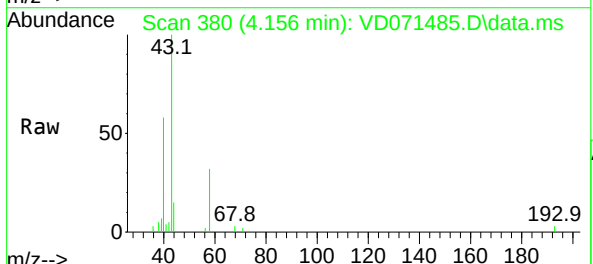
Instrument :
MSVOA_D
ClientSampleId :
HB-1-(18.5-23.5)-12-17-21

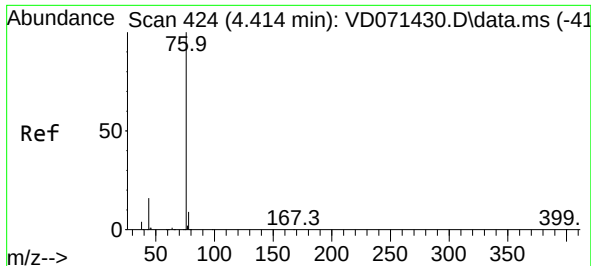
Tgt Ion:168 Resp: 467793
Ion Ratio Lower Upper
168 100
99 63.0 46.6 69.8



#16
Acetone
Concen: 12.718 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071485.D
Acq: 27 Dec 2021 15:15

Tgt Ion: 43 Resp: 19846
Ion Ratio Lower Upper
43 100
58 32.9 27.8 41.8

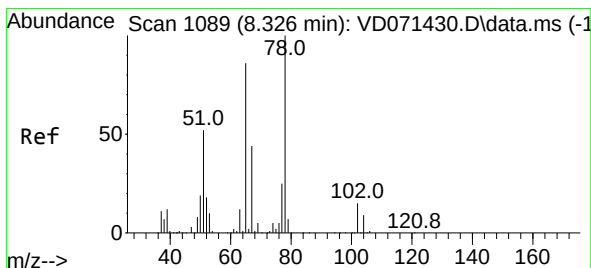
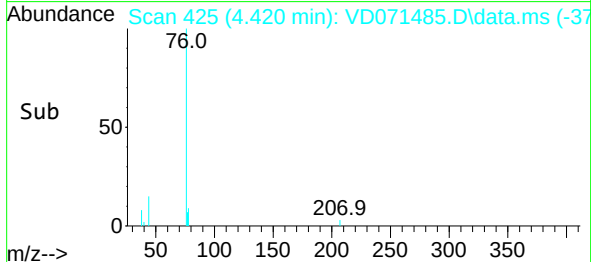
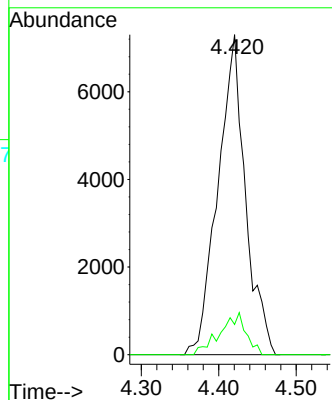
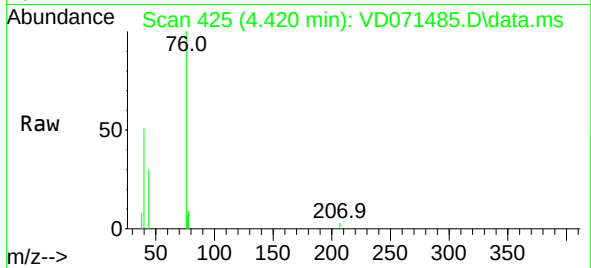




#17
Carbon Disulfide
Concen: 1.137 ug/l
RT: 4.420 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD071485.D
Acq: 27 Dec 2021 15:15

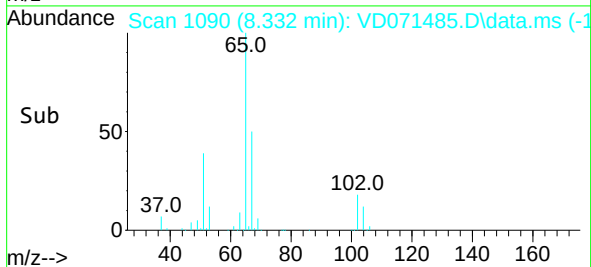
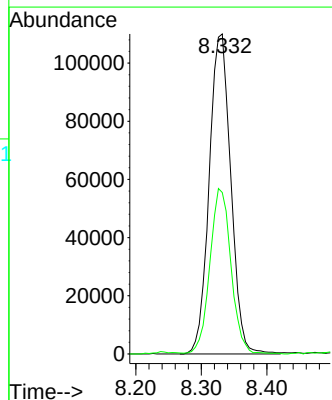
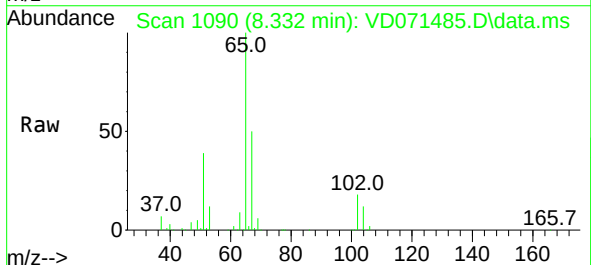
Instrument :
MSVOA_D
ClientSampleId :
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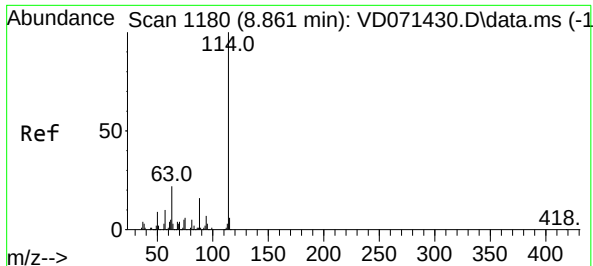
Tgt Ion: 76 Resp: 18051
Ion Ratio Lower Upper
76 100
78 9.5 7.8 11.8



#33
1,2-Dichloroethane-d4
Concen: 40.537 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071485.D
Acq: 27 Dec 2021 15:15

Tgt Ion: 65 Resp: 251847
Ion Ratio Lower Upper
65 100
67 50.6 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: VD071485.D

Acq: 27 Dec 2021 15:15

Instrument :

MSVOA_D

ClientSampleId :

HB-1-(18.5-23.5)-12-17-21

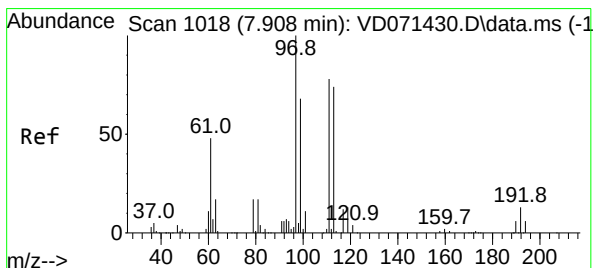
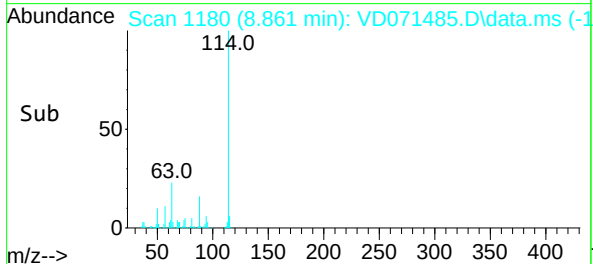
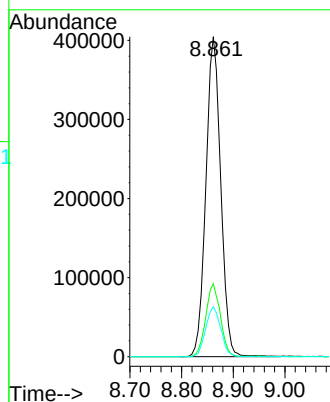
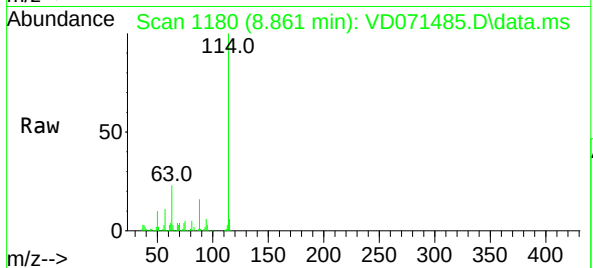
Tgt Ion:114 Resp: 806831

Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

88 15.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 45.453 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071485.D

Acq: 27 Dec 2021 15:15

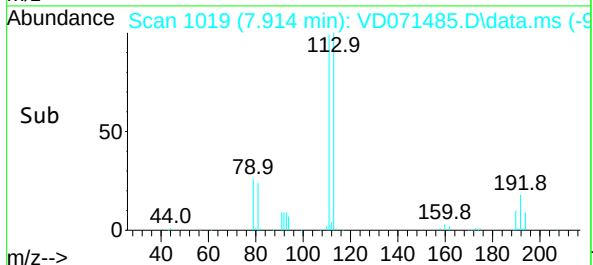
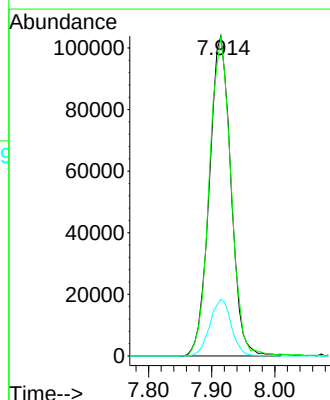
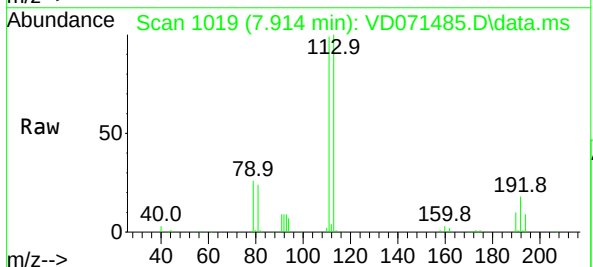
Tgt Ion:113 Resp: 246472

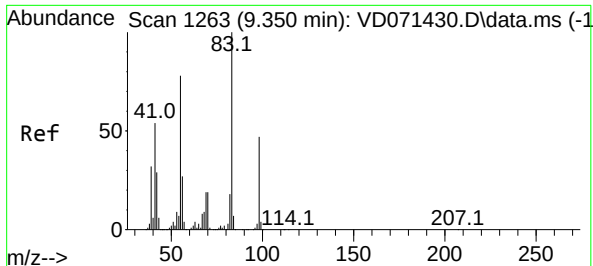
Ion Ratio Lower Upper

113 100

111 100.0 82.0 123.0

192 17.6 15.2 22.8





#39

Methylcyclohexane

Concen: 6.546 ug/l

RT: 9.320 min Scan# 11

Delta R.T. -0.029 min

Lab File: VD071485.D

Acq: 27 Dec 2021 15:15

Instrument :

MSVOA_D

ClientSampleId :

HB-1-(18.5-23.5)-12-17-21

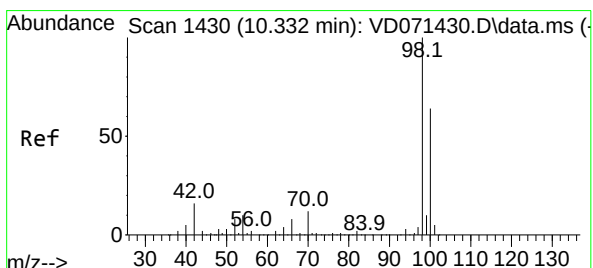
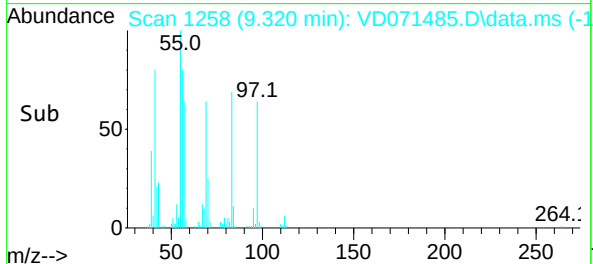
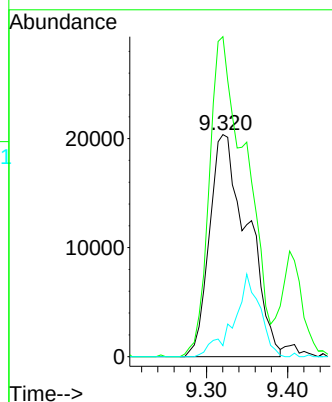
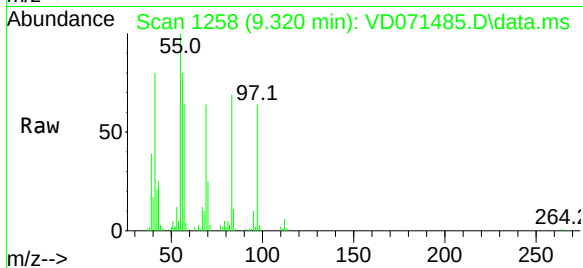
Tgt Ion: 83 Resp: 66388

Ion Ratio Lower Upper

83 100

55 144.1 65.8 98.8#

98 5.0 38.7 58.1#



#50

Toluene-d8

Concen: 50.031 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VD071485.D

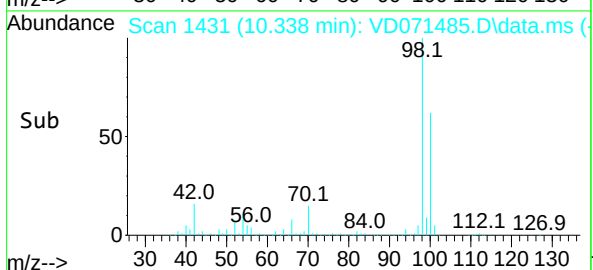
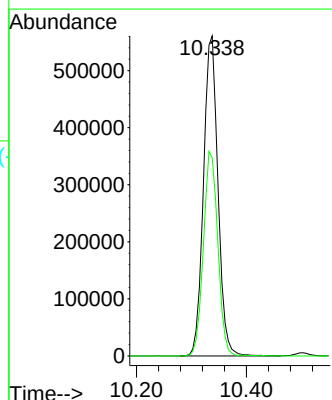
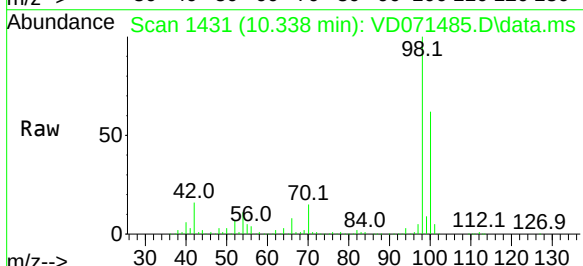
Acq: 27 Dec 2021 15:15

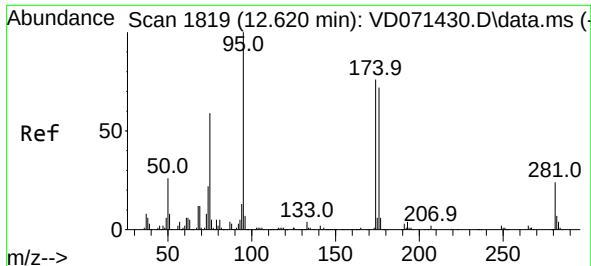
Tgt Ion: 98 Resp: 1025236

Ion Ratio Lower Upper

98 100

100 63.6 51.8 77.6

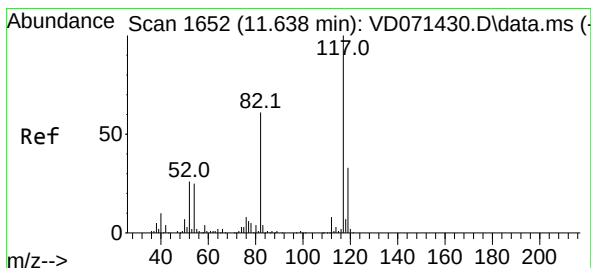
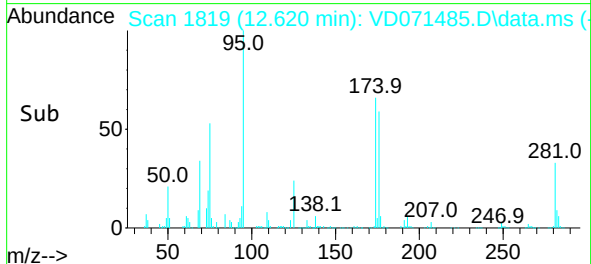
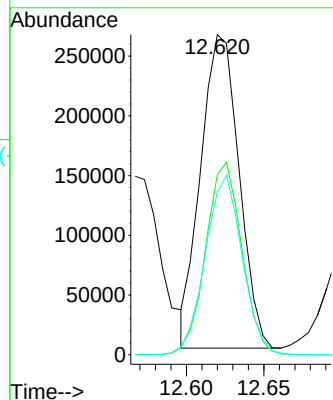
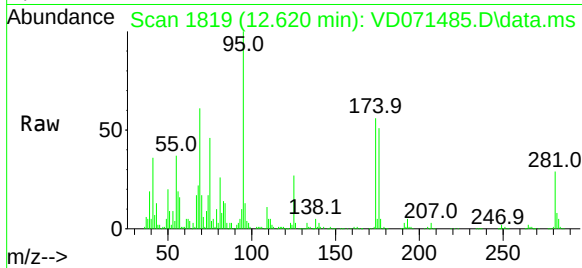




#62
4-Bromofluorobenzene
Concen: 61.857 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071485.D
Acq: 27 Dec 2021 15:15

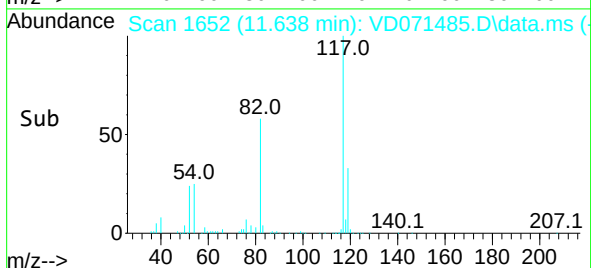
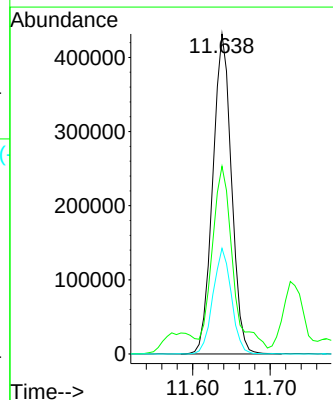
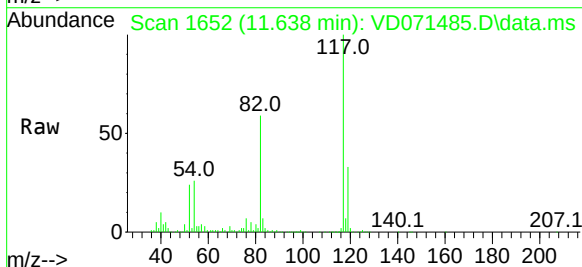
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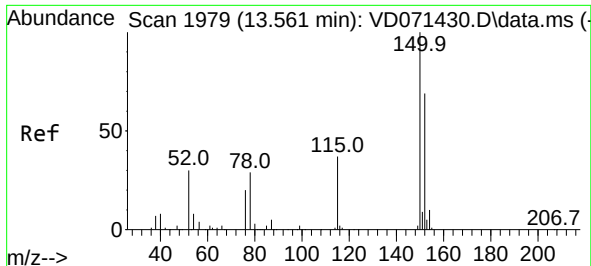
Tgt Ion: 95 Resp: 450427
Ion Ratio Lower Upper
95 100
174 58.2 0.0 159.4
176 55.1 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071485.D
Acq: 27 Dec 2021 15:15

Tgt Ion: 117 Resp: 727882
Ion Ratio Lower Upper
117 100
82 52.1 44.7 67.1
119 33.0 26.2 39.4

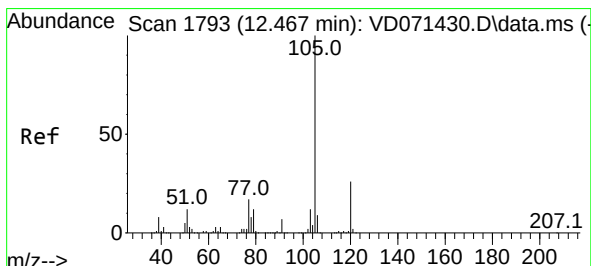
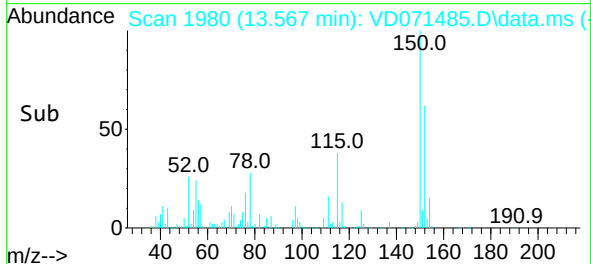
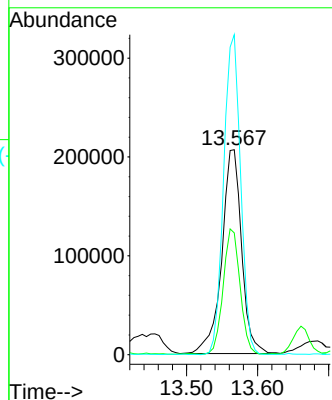
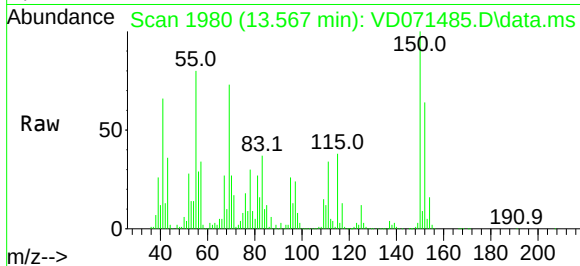




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD071485.D
Acq: 27 Dec 2021 15:15

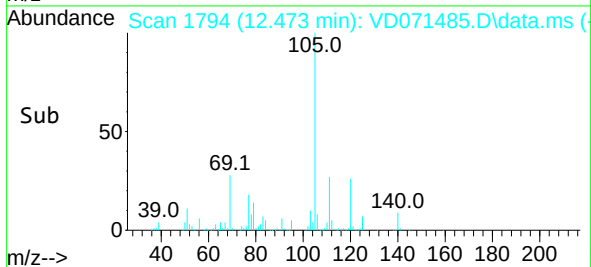
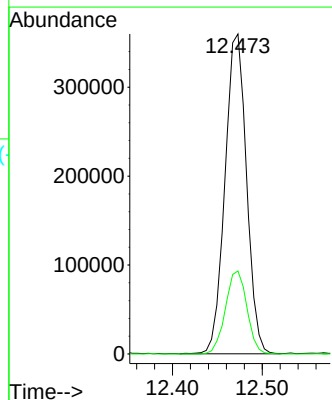
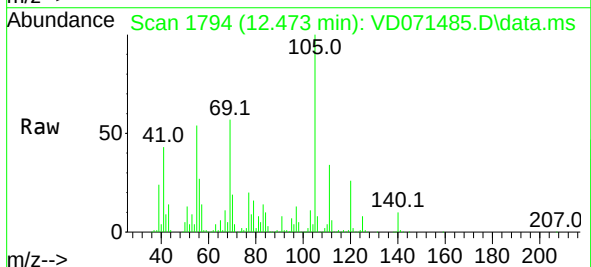
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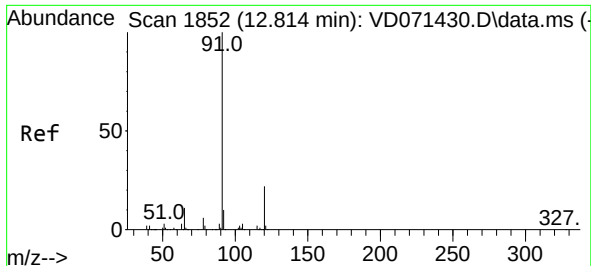
Tgt Ion:152 Resp: 399646
Ion Ratio Lower Upper
152 100
115 52.0 29.8 89.3
150 133.9 0.0 349.2



#73
Isopropylbenzene
Concen: 19.466 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VD071485.D
Acq: 27 Dec 2021 15:15

Tgt Ion:105 Resp: 599780
Ion Ratio Lower Upper
105 100
120 25.9 13.2 39.5

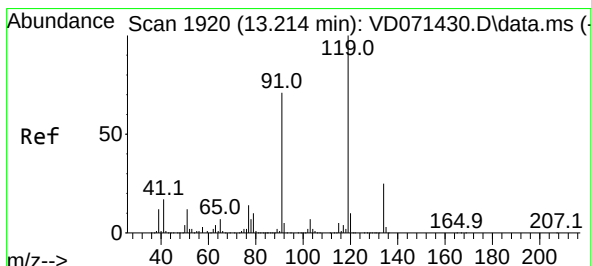
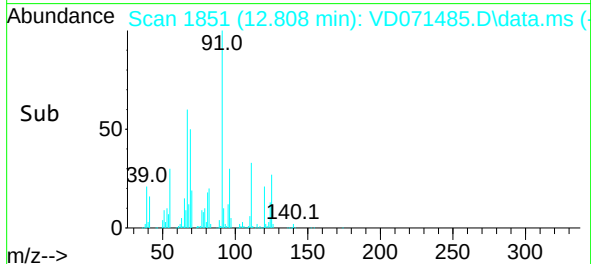
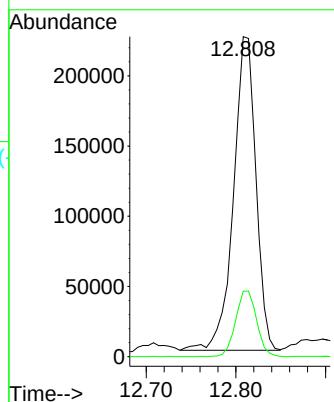
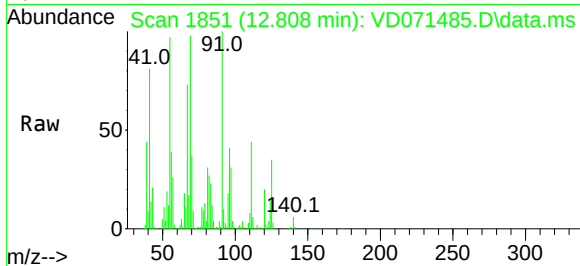




#78
n-propylbenzene
Concen: 10.039 ug/l
RT: 12.808 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VD071485.D
Acq: 27 Dec 2021 15:15

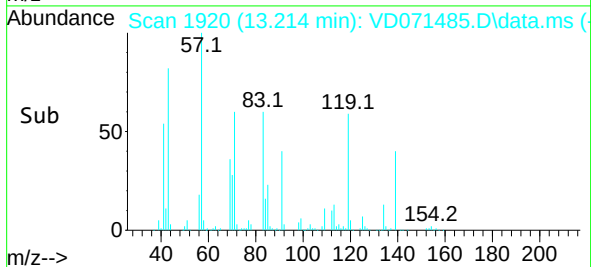
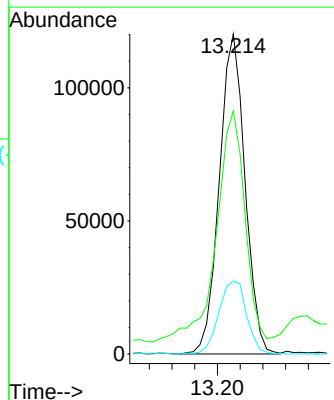
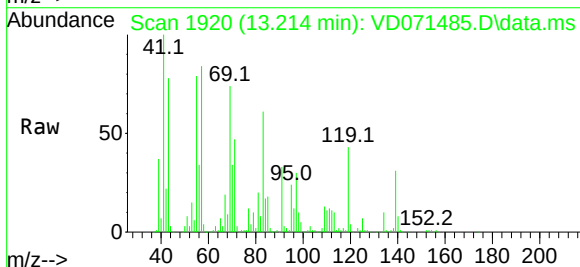
Instrument :
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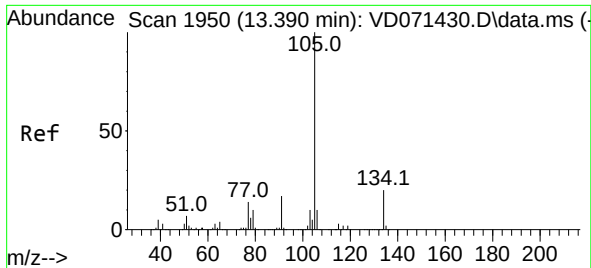
Tgt Ion: 91 Resp: 387702
Ion Ratio Lower Upper
91 100
120 19.7 10.9 32.9



#83
tert-Butylbenzene
Concen: 8.683 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD071485.D
Acq: 27 Dec 2021 15:15

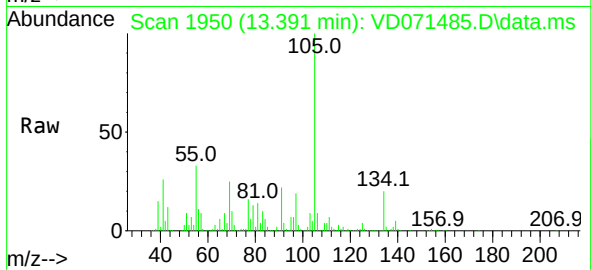
Tgt Ion: 119 Resp: 188567
Ion Ratio Lower Upper
119 100
91 80.3 32.5 97.5
134 24.7 13.2 39.6





#85
 sec-Butylbenzene
 Concen: 57.886 ug/l
 RT: 13.391 min Scan# 1950
 Delta R.T. 0.001 min
 Lab File: VD071485.D
 Acq: 27 Dec 2021 15:15

Instrument :
 MSVOA_D
 ClientSampleId :
 HB-1-(18.5-23.5)-12-17-21



Tgt Ion:105 Resp: 1916396
 Ion Ratio Lower Upper
 105 100
 134 26.2 9.7 28.9

