

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061522\
 Data File : VD073596.D
 Acq On : 15 Jun 2022 17:32
 Operator : VA/SY
 Sample : N3304-15
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-1A-10

Quant Time: Jun 15 18:04:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

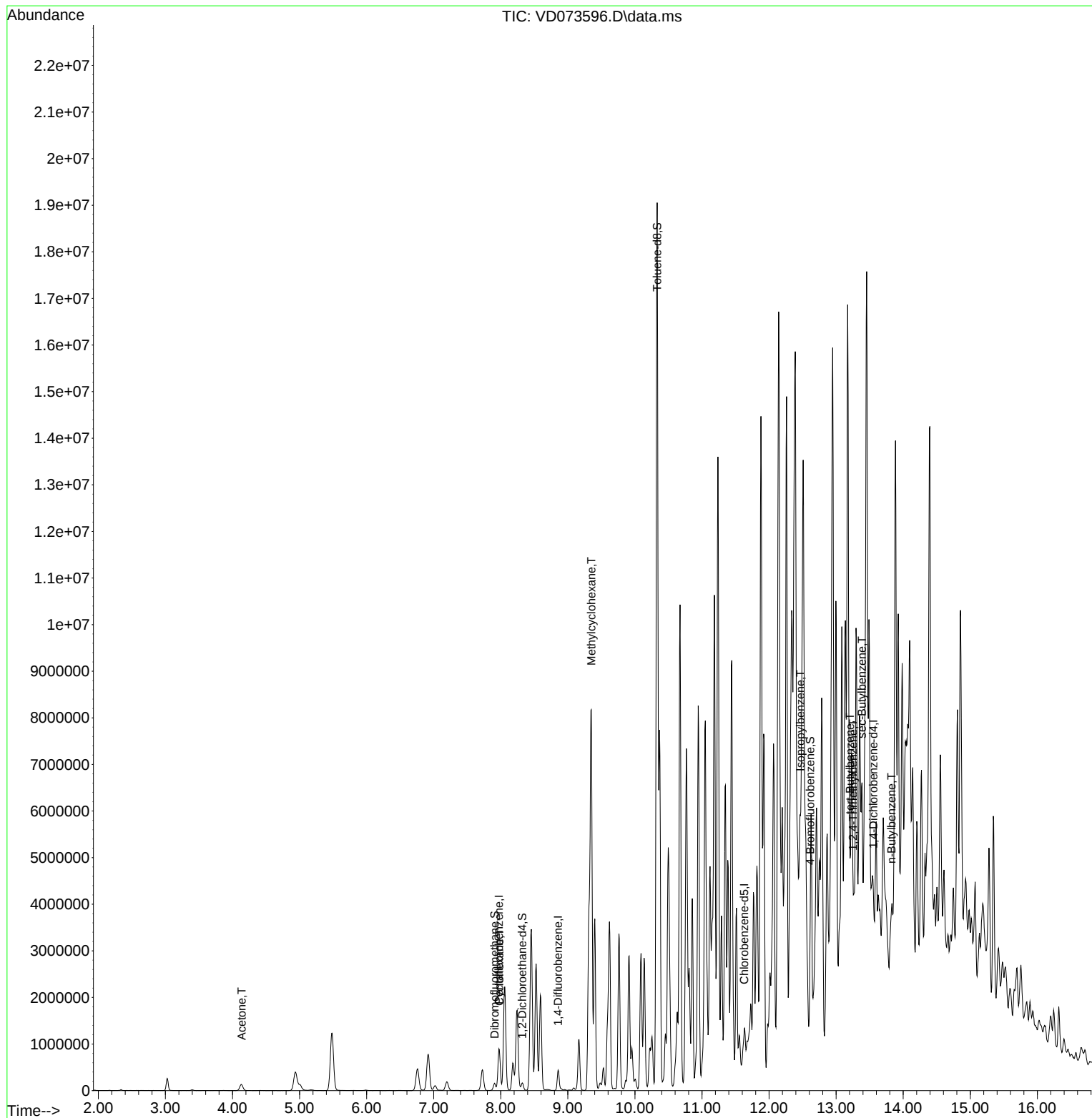
Internal Standards						
1) Pentafluorobenzene	7.973	168	195797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	332943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	290779	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	161680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	123400	58.729	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.460%	
35) Dibromofluoromethane	7.908	113	108408	50.635	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.280%	
50) Toluene-d8	10.332	98	1353320	167.186	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 334.380%#	
62) 4-Bromofluorobenzene	12.614	95	433438	147.499	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 295.000%#	
Target Compounds						
					Qvalue	
16) Acetone	4.138	43	88117	238.177	ug/l #	65
31) Cyclohexane	7.979	56	366439	103.528	ug/l #	86
39) Methylcyclohexane	9.349	83	3153779	841.636	ug/l	96
73) Isopropylbenzene	12.467	105	577302	51.514	ug/l	99
83) tert-Butylbenzene	13.208	119	65499	8.018	ug/l	76
84) 1,2,4-Trimethylbenzene	13.255	105	96972	10.052	ug/l	95
85) sec-Butylbenzene	13.384	105	553923	45.265	ug/l #	67
89) n-Butylbenzene	13.826	91	226045	23.490	ug/l #	85

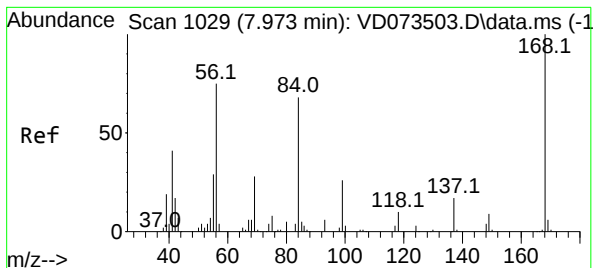
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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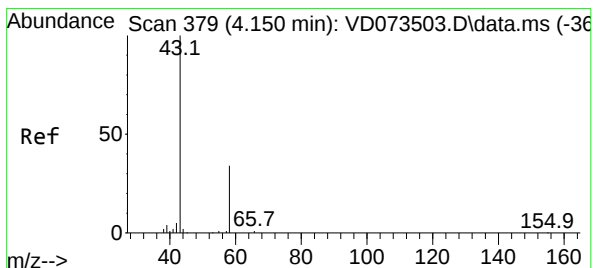
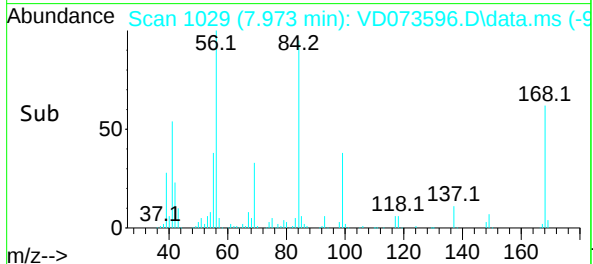
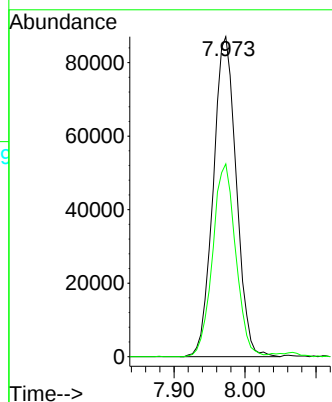
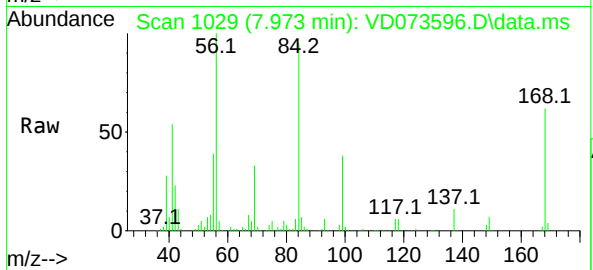




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073596.D
Acq: 15 Jun 2022 17:32

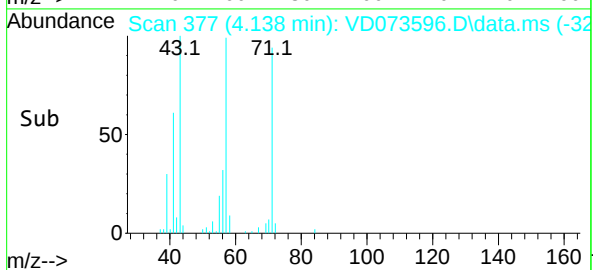
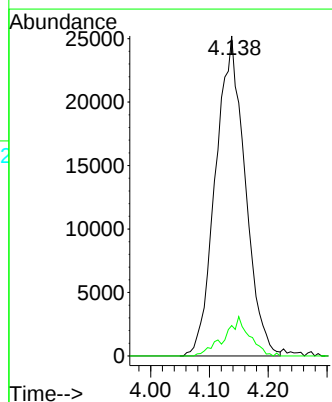
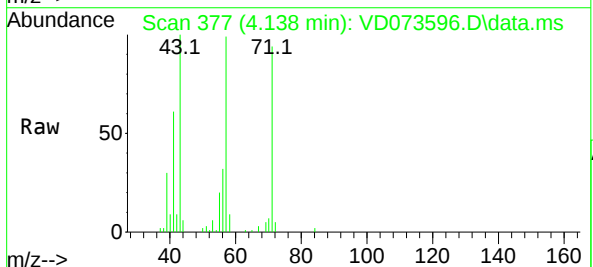
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-10

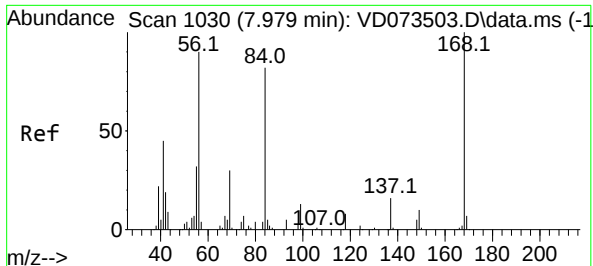
Tgt Ion:168 Resp: 195797
Ion Ratio Lower Upper
168 100
99 60.2 49.8 74.6



#16
Acetone
Concen: 238.177 ug/l
RT: 4.138 min Scan# 377
Delta R.T. -0.012 min
Lab File: VD073596.D
Acq: 15 Jun 2022 17:32

Tgt Ion: 43 Resp: 88117
Ion Ratio Lower Upper
43 100
58 9.5 22.1 33.1#





#31

Cyclohexane

Concen: 103.528 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD073596.D

Acq: 15 Jun 2022 17:32

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-10

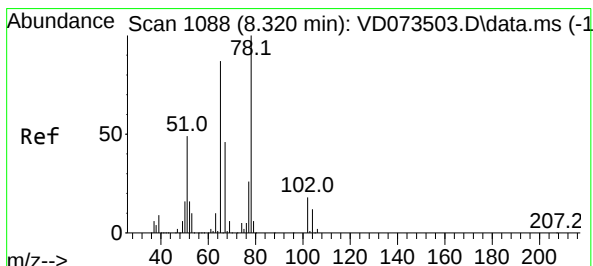
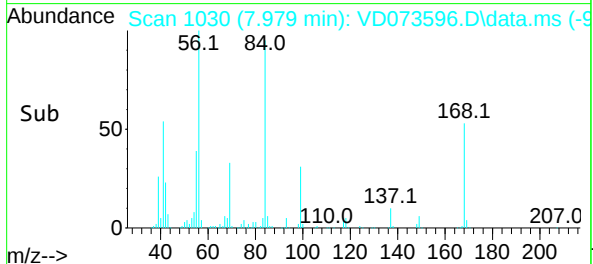
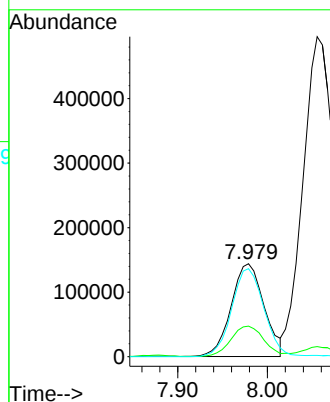
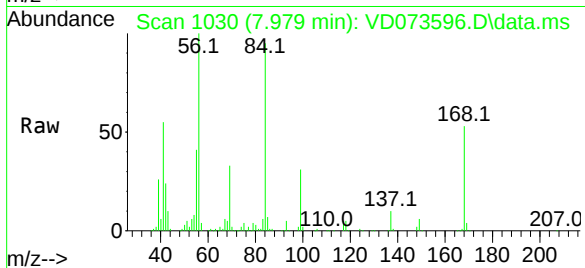
Tgt Ion: 56 Resp: 366439

Ion Ratio Lower Upper

56 100

69 32.6 25.4 38.2

84 95.0 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 58.729 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073596.D

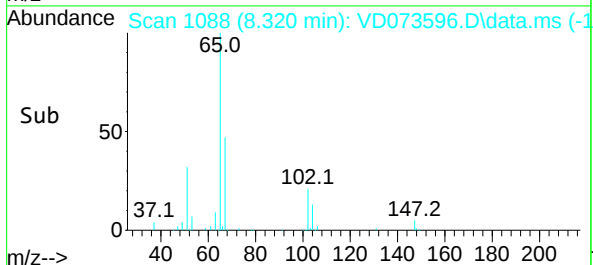
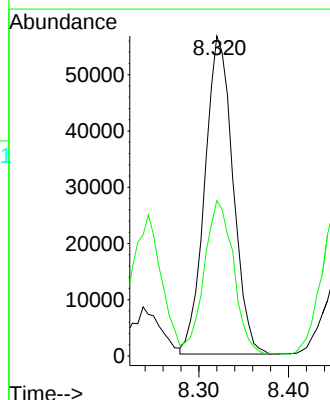
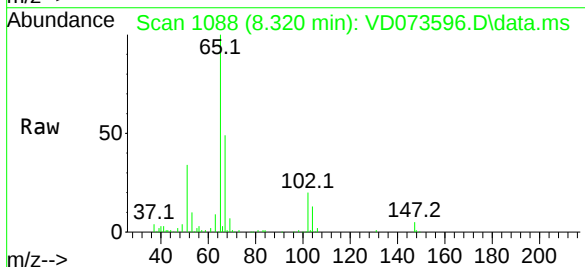
Acq: 15 Jun 2022 17:32

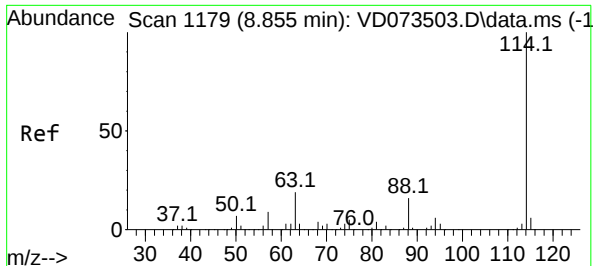
Tgt Ion: 65 Resp: 123400

Ion Ratio Lower Upper

65 100

67 50.2 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073596.D

Acq: 15 Jun 2022 17:32

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-10

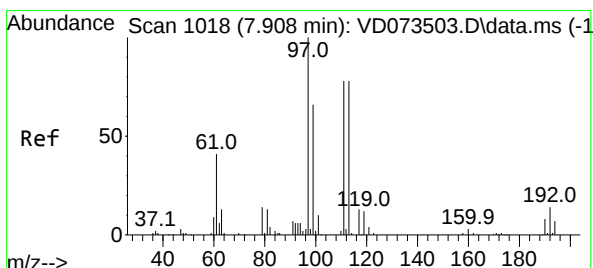
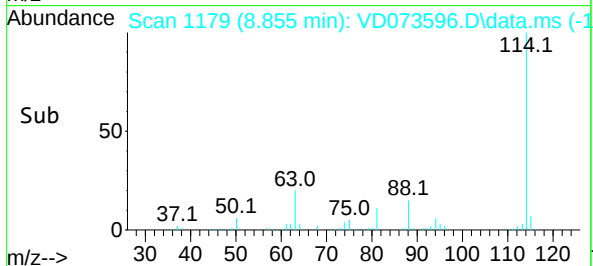
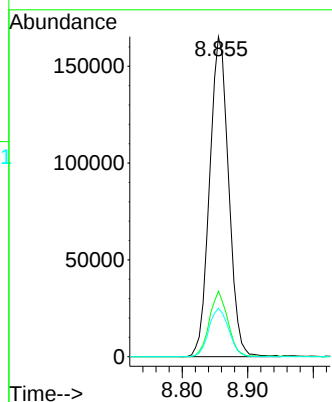
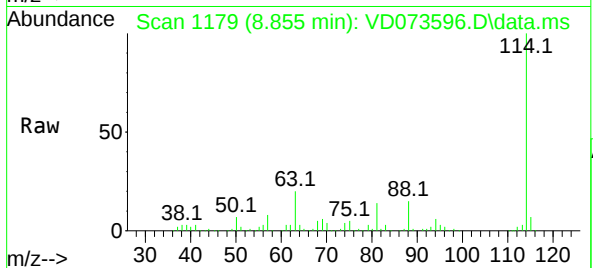
Tgt Ion:114 Resp: 332943

Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 15.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.635 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073596.D

Acq: 15 Jun 2022 17:32

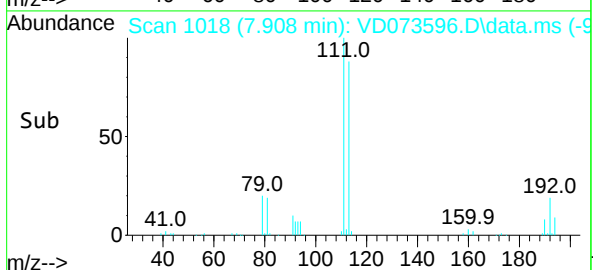
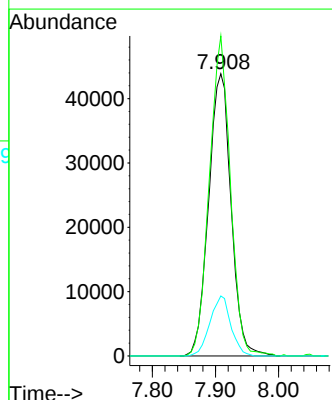
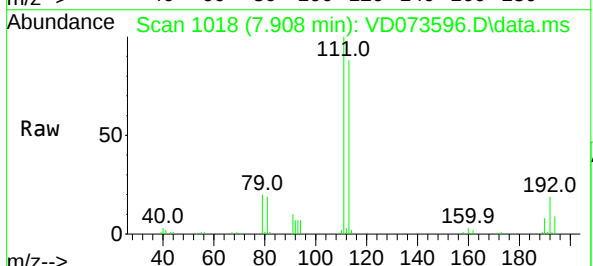
Tgt Ion:113 Resp: 108408

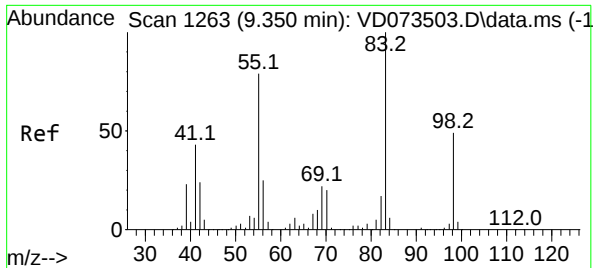
Ion Ratio Lower Upper

113 100

111 105.7 83.8 125.6

192 19.7 14.6 21.8





#39

Methylcyclohexane

Concen: 841.636 ug/l

RT: 9.349 min Scan# 1

Delta R.T. -0.001 min

Lab File: VD073596.D

Acq: 15 Jun 2022 17:32

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-10

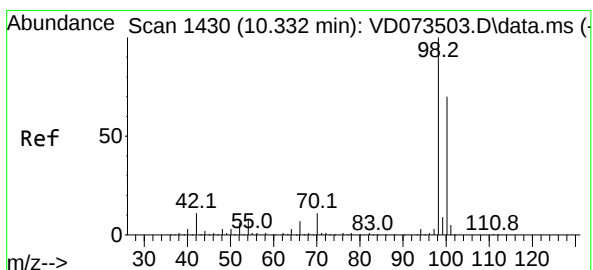
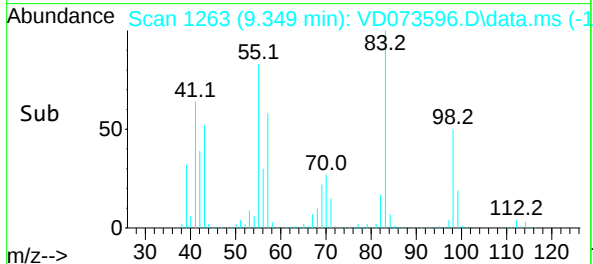
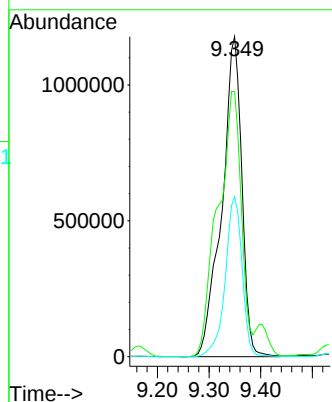
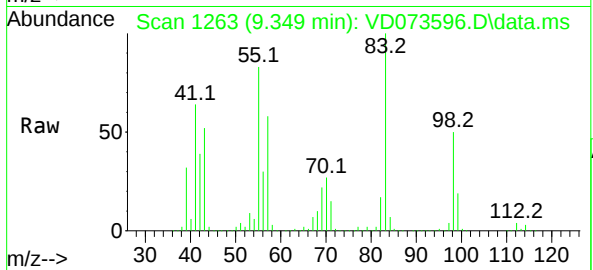
Tgt Ion: 83 Resp: 3153779

Ion Ratio Lower Upper

83 100

55 82.8 63.2 94.8

98 50.1 38.2 57.4



#50

Toluene-d8

Concen: 167.186 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073596.D

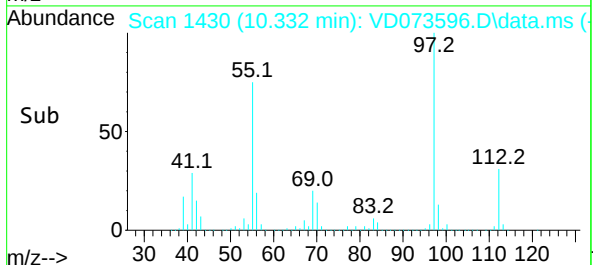
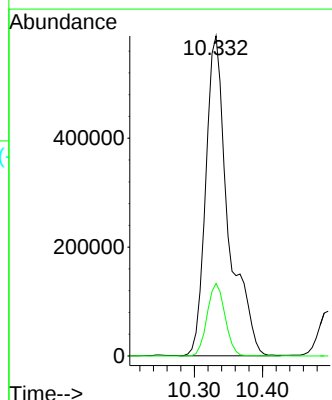
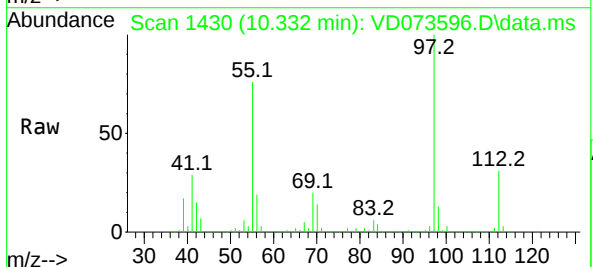
Acq: 15 Jun 2022 17:32

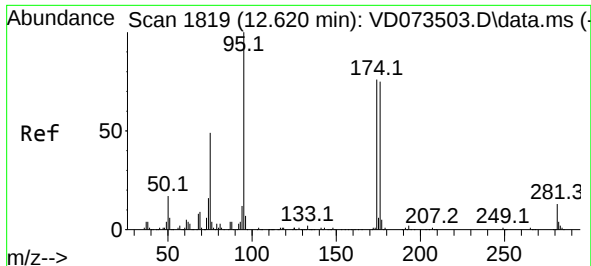
Tgt Ion: 98 Resp: 1353320

Ion Ratio Lower Upper

98 100

100 18.0 52.4 78.6#

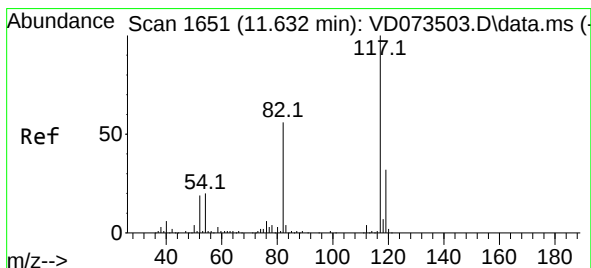
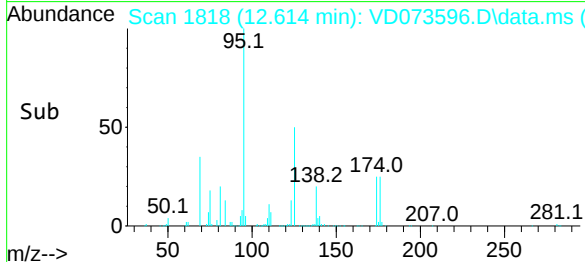
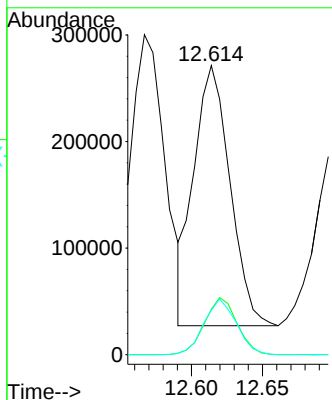
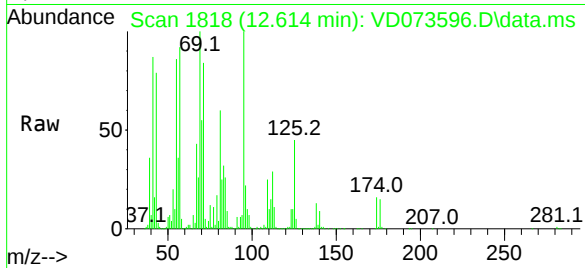




#62
4-Bromofluorobenzene
Concen: 147.499 ug/l
RT: 12.614 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD073596.D
Acq: 15 Jun 2022 17:32

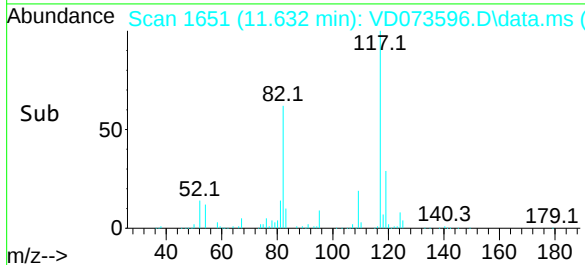
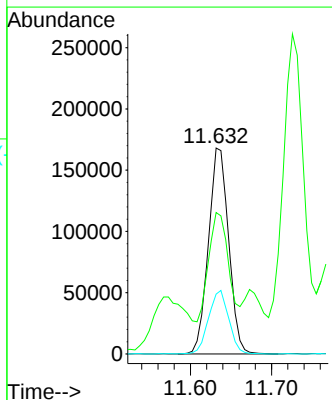
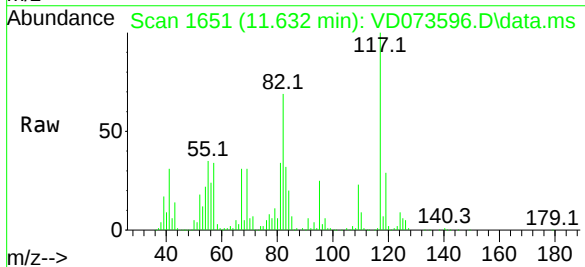
Instrument :
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WC-14A-1A-10

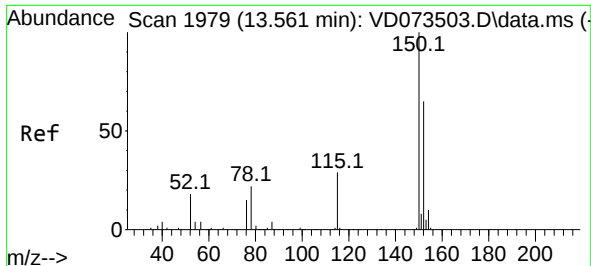
Tgt Ion: 95 Resp: 433438
Ion Ratio Lower Upper
95 100
174 19.8 0.0 152.8
176 19.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073596.D
Acq: 15 Jun 2022 17:32

Tgt Ion:117 Resp: 290779
Ion Ratio Lower Upper
117 100
82 44.5 45.3 67.9#
119 29.1 26.6 40.0

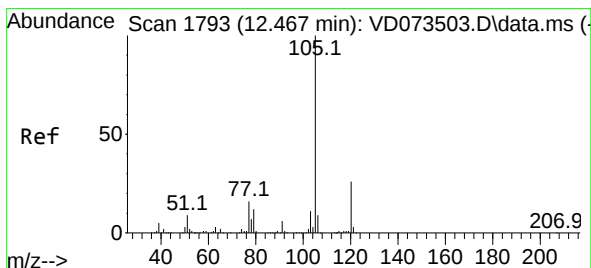
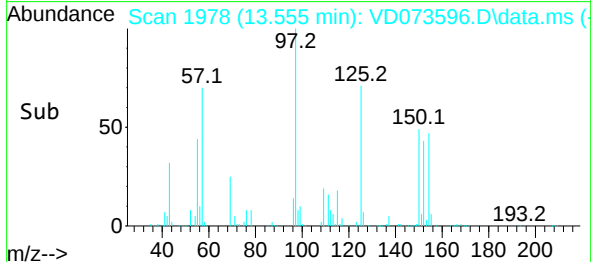
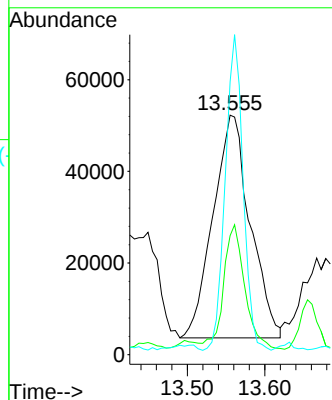
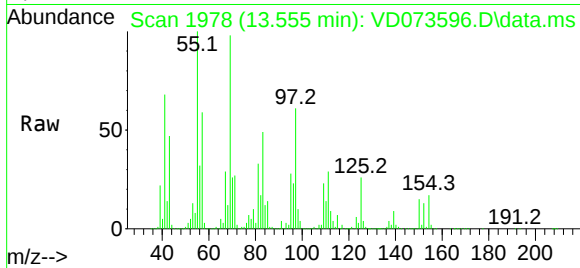




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1798
Delta R.T. -0.006 min
Lab File: VD073596.D
Acq: 15 Jun 2022 17:32

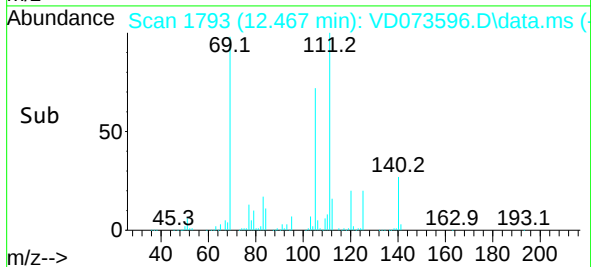
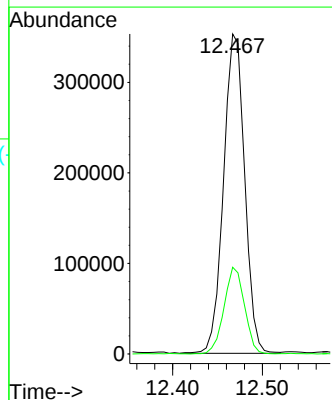
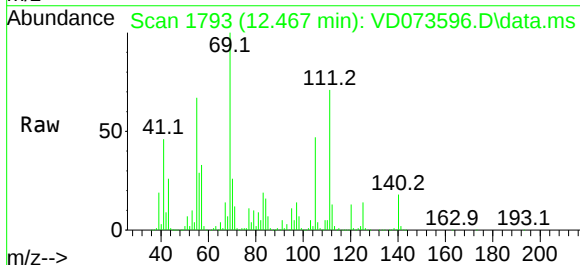
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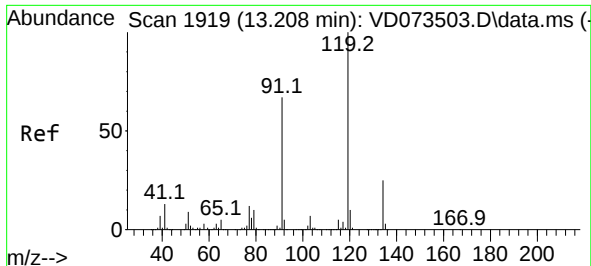
Tgt Ion:152 Resp: 161680
Ion Ratio Lower Upper
152 100
115 32.0 31.3 93.8
150 68.2 0.0 348.6



#73
Isopropylbenzene
Concen: 51.514 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD073596.D
Acq: 15 Jun 2022 17:32

Tgt Ion:105 Resp: 577302
Ion Ratio Lower Upper
105 100
120 26.3 13.0 38.9

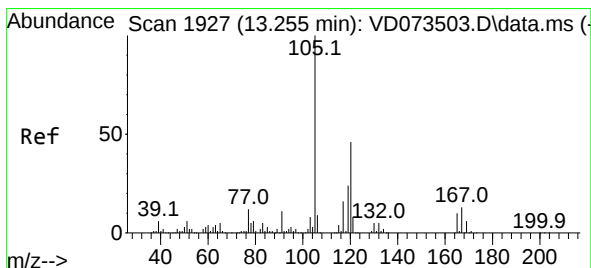
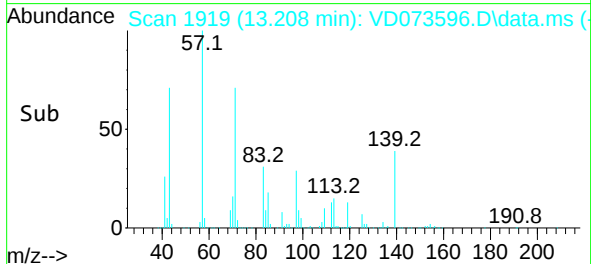
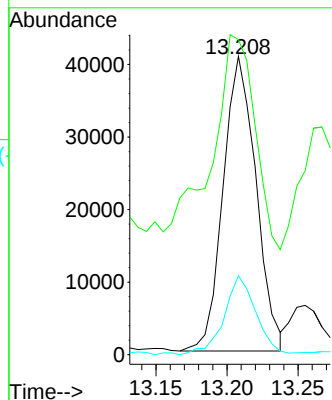
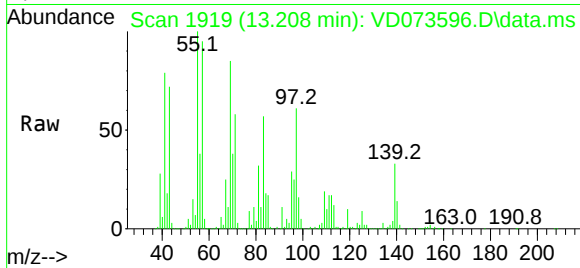




#83
tert-Butylbenzene
Concen: 8.018 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VD073596.D
Acq: 15 Jun 2022 17:32

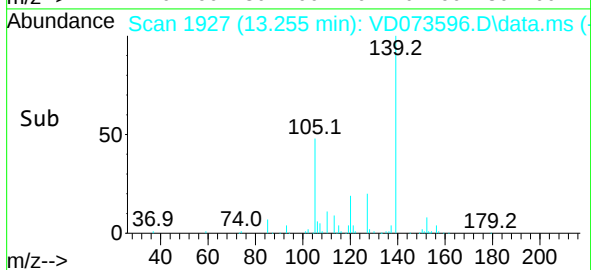
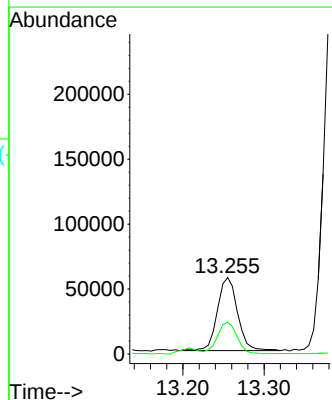
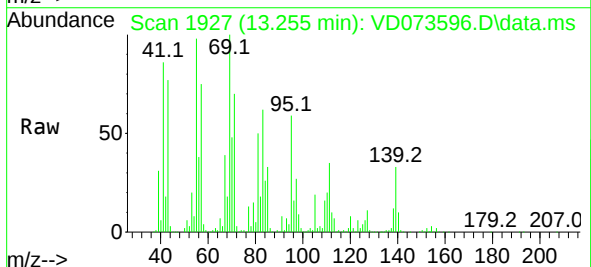
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-10

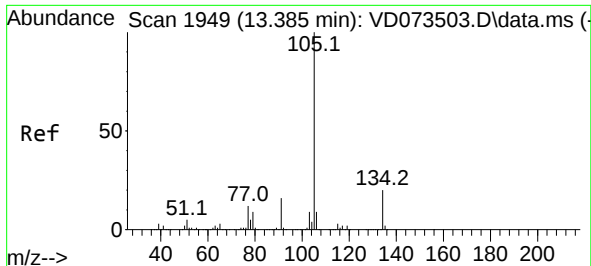
Tgt Ion:119 Resp: 65499
Ion Ratio Lower Upper
119 100
91 96.5 34.8 104.5
134 26.3 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 10.052 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073596.D
Acq: 15 Jun 2022 17:32

Tgt Ion:105 Resp: 96972
Ion Ratio Lower Upper
105 100
120 41.3 22.3 66.8

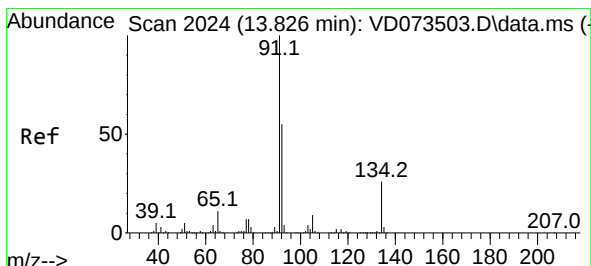
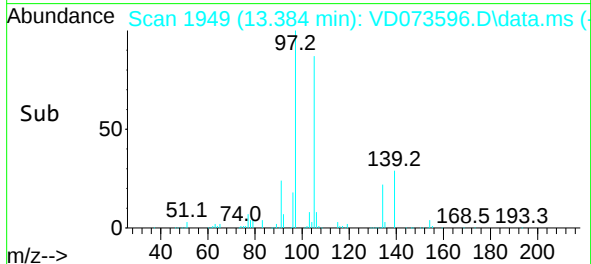
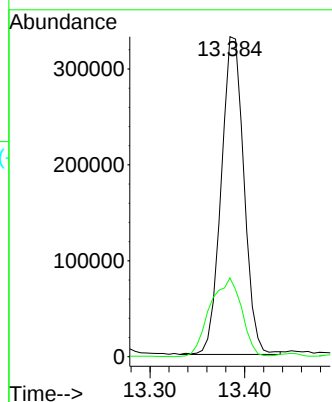
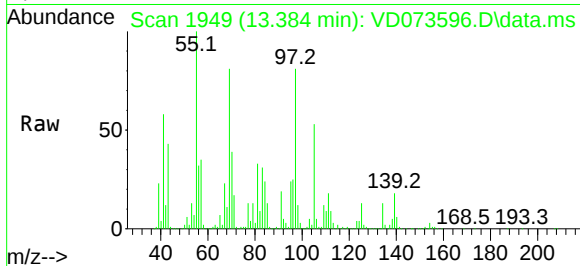




#85
 sec-Butylbenzene
 Concen: 45.265 ug/l
 RT: 13.384 min Scan# 1949
 Delta R.T. -0.001 min
 Lab File: VD073596.D
 Acq: 15 Jun 2022 17:32

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-1A-10

Tgt Ion:105 Resp: 553923
 Ion Ratio Lower Upper
 105 100
 134 34.6 9.8 29.3#



#89
 n-Butylbenzene
 Concen: 23.490 ug/l
 RT: 13.826 min Scan# 2024
 Delta R.T. -0.000 min
 Lab File: VD073596.D
 Acq: 15 Jun 2022 17:32

Tgt Ion: 91 Resp: 226045
 Ion Ratio Lower Upper
 91 100
 92 51.9 26.6 79.8
 134 46.3 12.3 36.9#

