

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061422\
 Data File : VD073569.D
 Acq On : 14 Jun 2022 15:03
 Operator : VA/SY
 Sample : N3304-01
 Misc : 6.52G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 15 01:36:44 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)

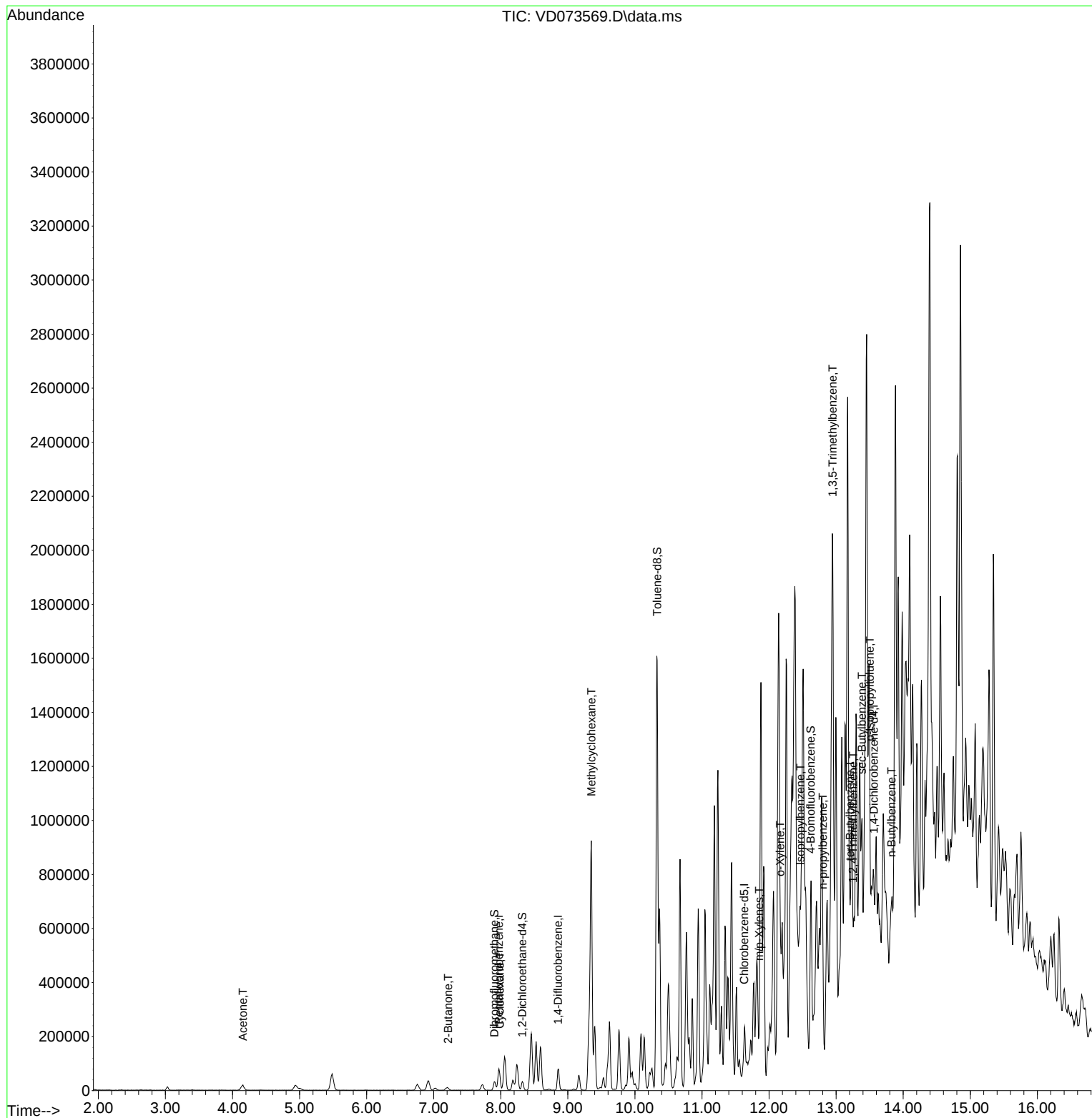
Internal Standards						
1) Pentafluorobenzene	7.973	168	33597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	65655	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	93353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	59887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	26225	72.738	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.480%	
35) Dibromofluoromethane	7.902	113	22504	53.303	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.600%	
50) Toluene-d8	10.332	98	172808	108.259	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 216.520%#	
62) 4-Bromofluorobenzene	12.620	95	84128	145.179	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 290.360%#	
Target Compounds						
					Qvalue	
16) Acetone	4.155	43	30250	476.509	ug/l	91
25) 2-Butanone	7.214	43	8497	90.966	ug/l	95
31) Cyclohexane	7.985	56	16961	27.926	ug/l	91
39) Methylcyclohexane	9.349	83	355795	481.499	ug/l	98
68) m/p-Xylenes	11.855	106	2625	1.993	ug/l	92
69) o-Xylene	12.167	106	3948	3.257	ug/l #	1
73) Isopropylbenzene	12.467	105	67062	16.156	ug/l	98
78) n-propylbenzene	12.802	91	42458	8.217	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	11347	3.169	ug/l	99
83) tert-Butylbenzene	13.208	119	11200	3.702	ug/l	83
84) 1,2,4-Trimethylbenzene	13.255	105	28731	8.041	ug/l	89
85) sec-Butylbenzene	13.384	105	93931	20.723	ug/l #	70
86) p-Isopropyltoluene	13.502	119	11226	2.971	ug/l #	73
89) n-Butylbenzene	13.826	91	48513	13.611	ug/l #	83

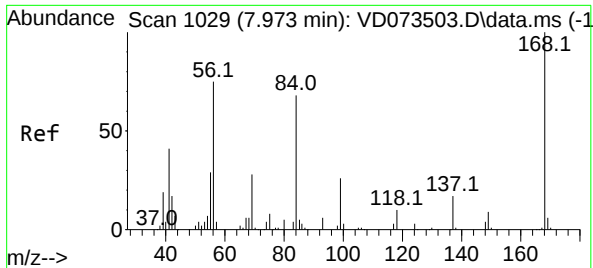
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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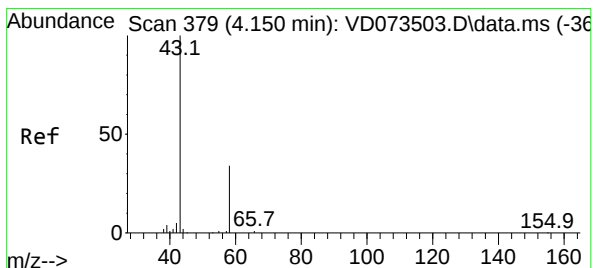
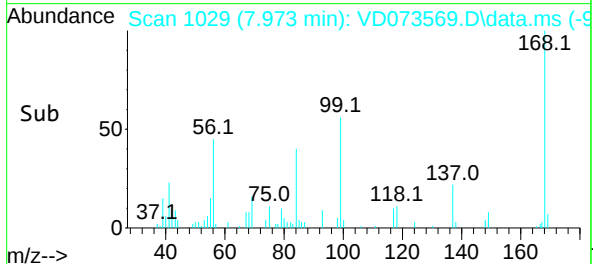
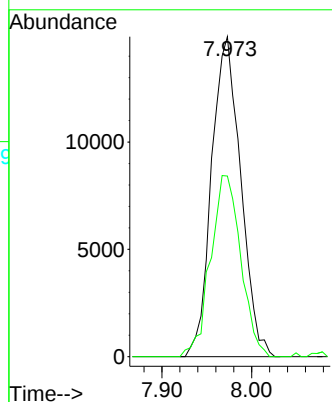
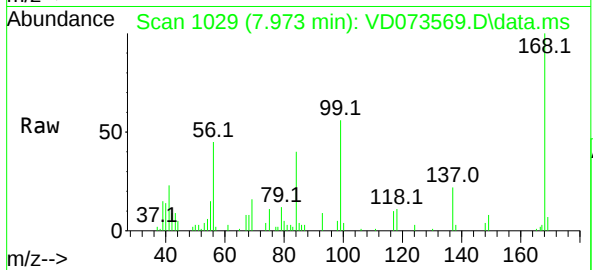




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073569.D
Acq: 14 Jun 2022 15:03

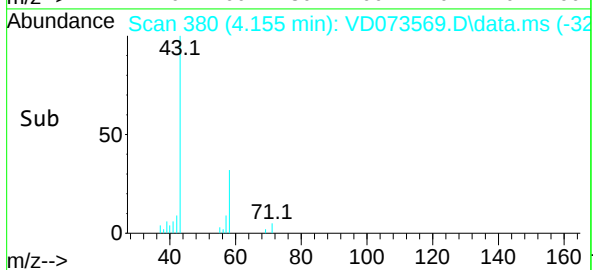
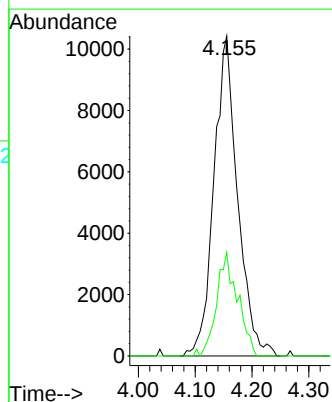
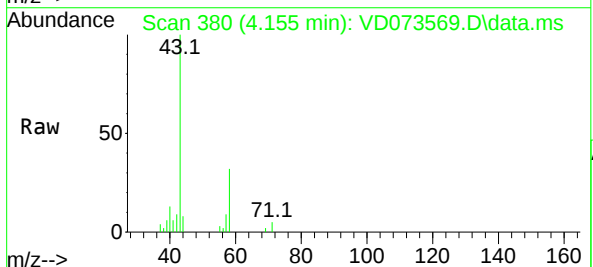
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-10

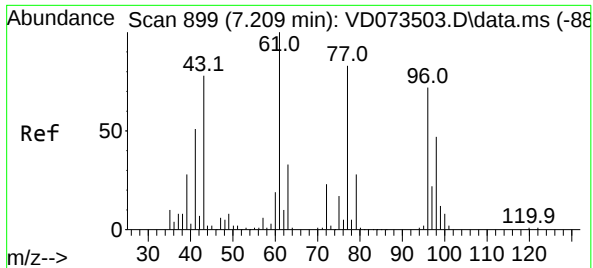
Tgt Ion:168 Resp: 33597
Ion Ratio Lower Upper
168 100
99 56.5 49.8 74.6



#16
Acetone
Concen: 476.509 ug/l
RT: 4.155 min Scan# 380
Delta R.T. 0.005 min
Lab File: VD073569.D
Acq: 14 Jun 2022 15:03

Tgt Ion: 43 Resp: 30250
Ion Ratio Lower Upper
43 100
58 32.4 22.1 33.1

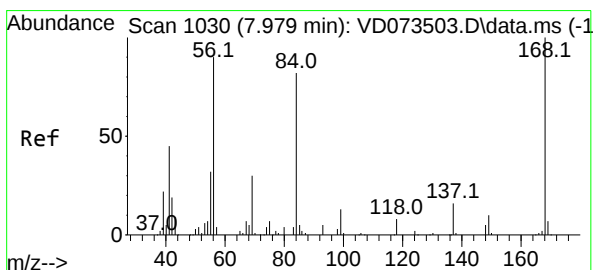
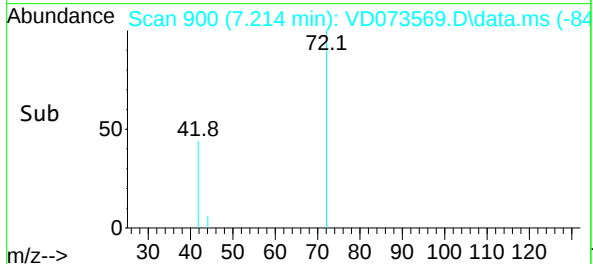
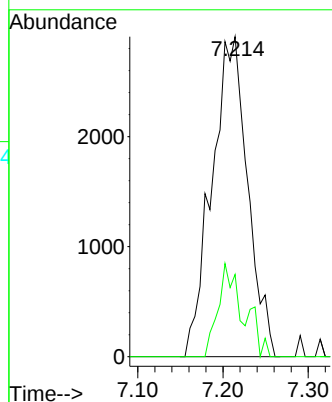
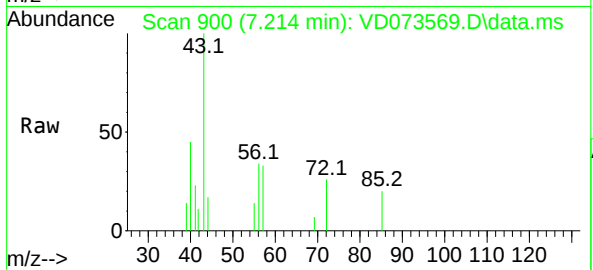




#25
2-Butanone
Concen: 90.966 ug/l
RT: 7.214 min Scan# 90
Delta R.T. 0.005 min
Lab File: VD073569.D
Acq: 14 Jun 2022 15:03

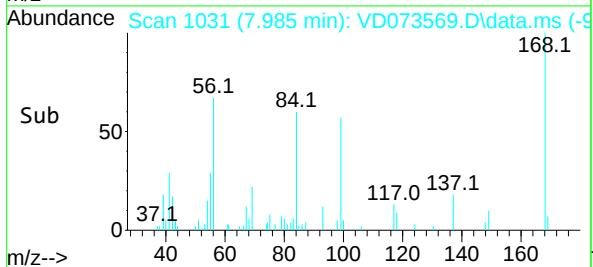
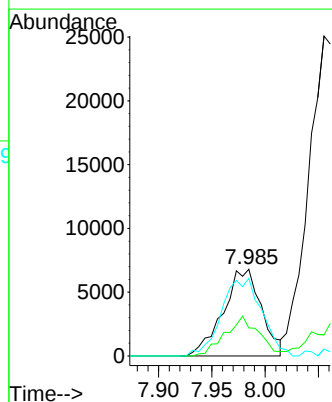
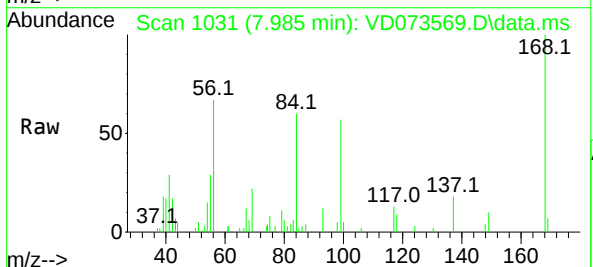
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-10

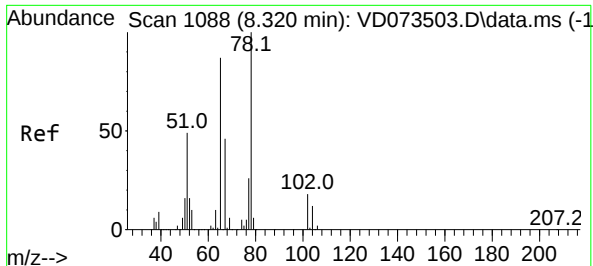
Tgt Ion: 43 Resp: 8497
Ion Ratio Lower Upper
43 100
72 25.7 18.6 27.8



#31
Cyclohexane
Concen: 27.926 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD073569.D
Acq: 14 Jun 2022 15:03

Tgt Ion: 56 Resp: 16961
Ion Ratio Lower Upper
56 100
69 32.4 25.4 38.2
84 89.7 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 72.738 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VD073569.D

Acq: 14 Jun 2022 15:03

Instrument :

MSVOA_D

ClientSampleId :

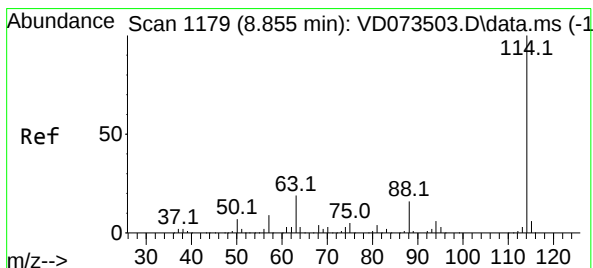
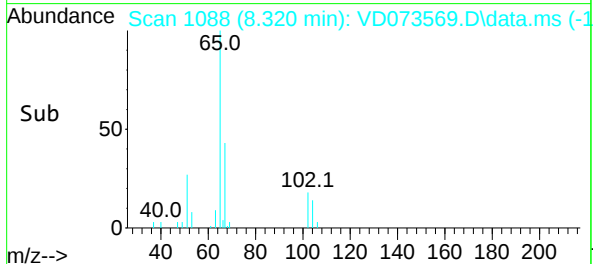
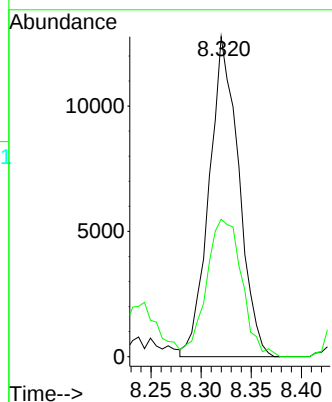
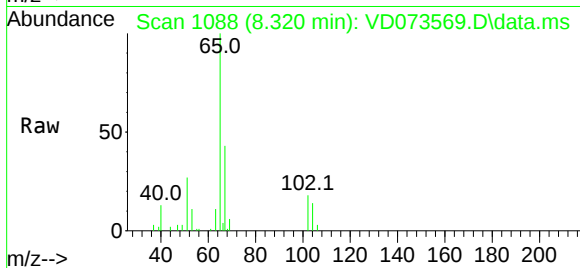
WC-14A-1A-10

Tgt Ion: 65 Resp: 26225

Ion Ratio Lower Upper

65 100

67 51.3 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: VD073569.D

Acq: 14 Jun 2022 15:03

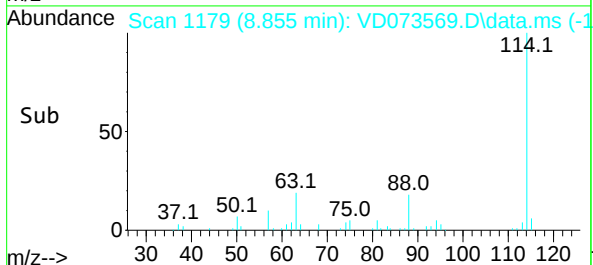
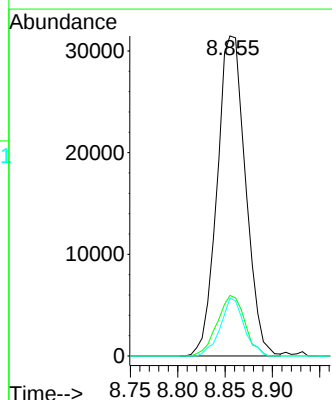
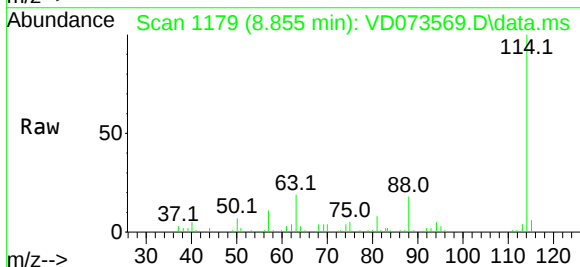
Tgt Ion: 114 Resp: 65655

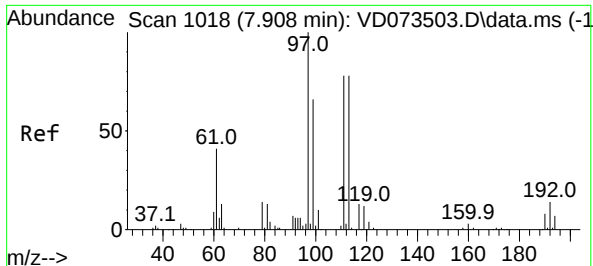
Ion Ratio Lower Upper

114 100

63 18.9 0.0 46.6

88 18.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 53.303 ug/l

RT: 7.902 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073569.D

Acq: 14 Jun 2022 15:03

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-10

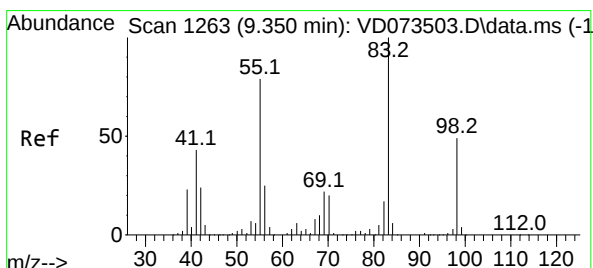
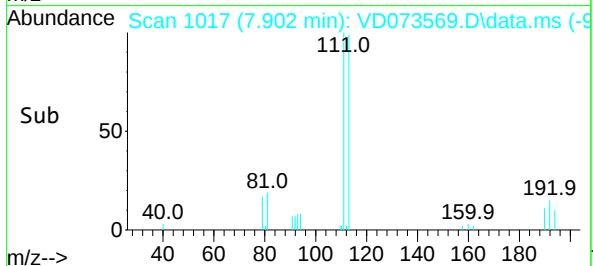
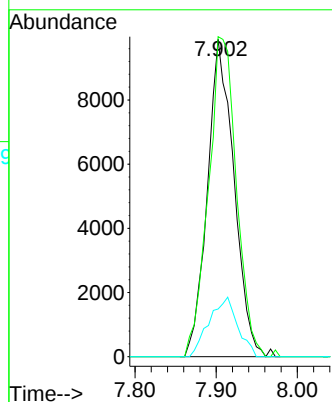
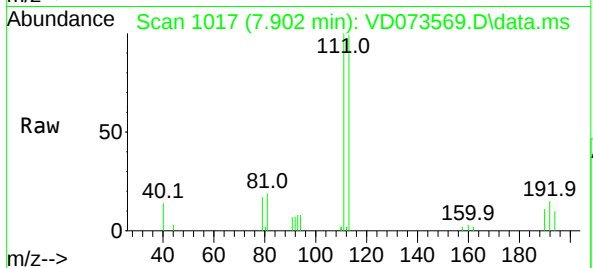
Tgt Ion:113 Resp: 22504

Ion Ratio Lower Upper

113 100

111 106.5 83.8 125.6

192 20.1 14.6 21.8



#39

Methylcyclohexane

Concen: 481.499 ug/l

RT: 9.349 min Scan# 1263

Delta R.T. -0.001 min

Lab File: VD073569.D

Acq: 14 Jun 2022 15:03

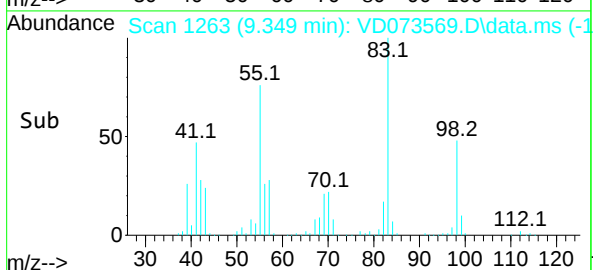
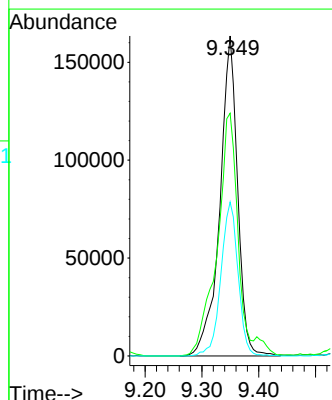
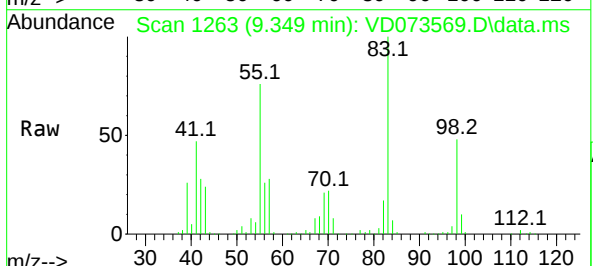
Tgt Ion: 83 Resp: 355795

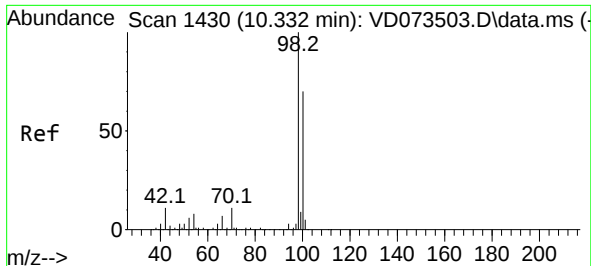
Ion Ratio Lower Upper

83 100

55 75.8 63.2 94.8

98 48.1 38.2 57.4

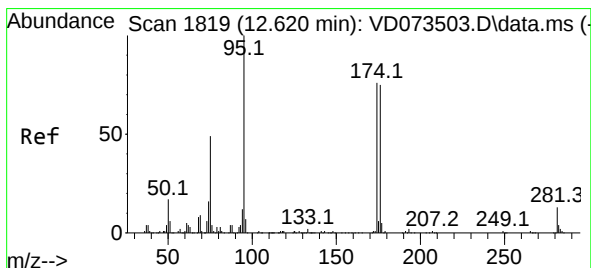
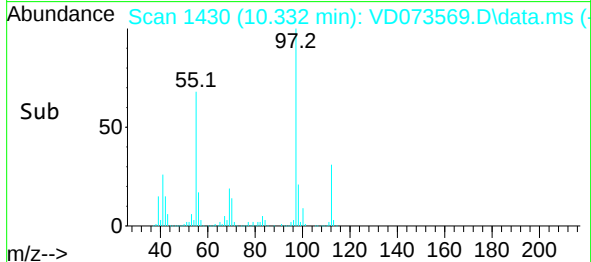
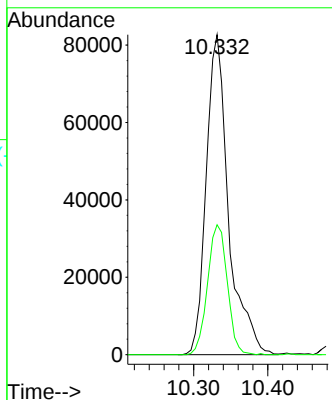
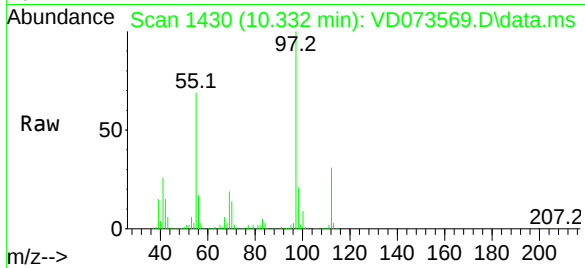




#50
Toluene-d8
Concen: 108.259 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073569.D
Acq: 14 Jun 2022 15:03

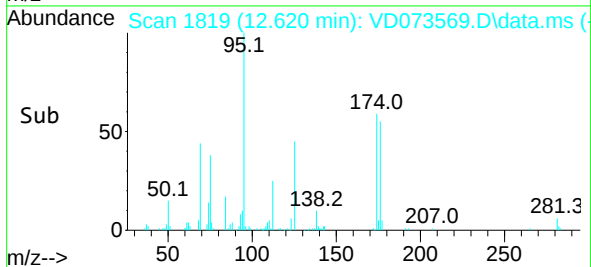
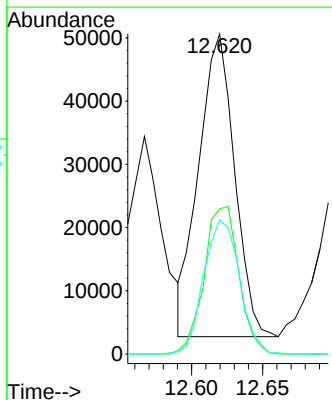
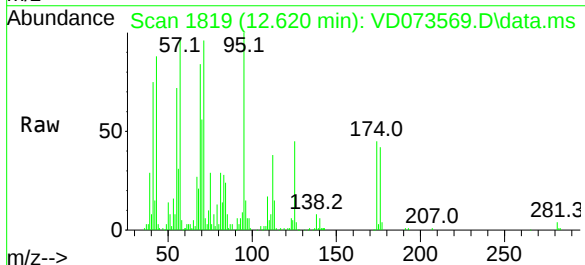
Instrument :
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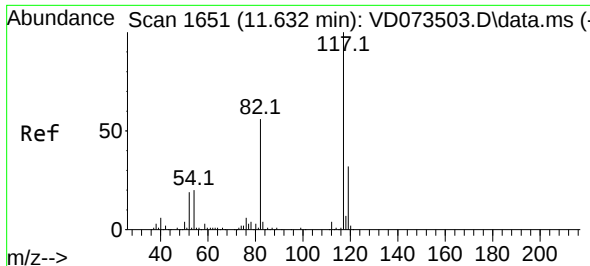
Tgt Ion: 98 Resp: 172808
Ion Ratio Lower Upper
98 100
100 35.9 52.4 78.6#



#62
4-Bromofluorobenzene
Concen: 145.179 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073569.D
Acq: 14 Jun 2022 15:03

Tgt Ion: 95 Resp: 84128
Ion Ratio Lower Upper
95 100
174 47.2 0.0 152.8
176 44.3 0.0 145.4

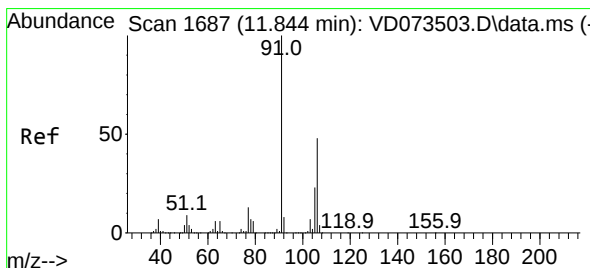
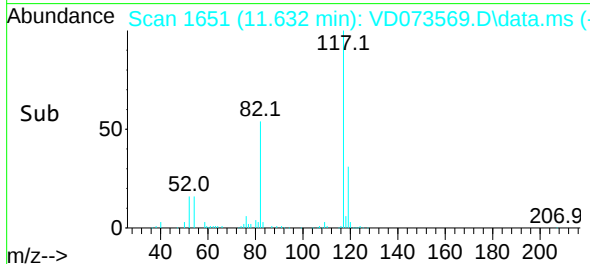
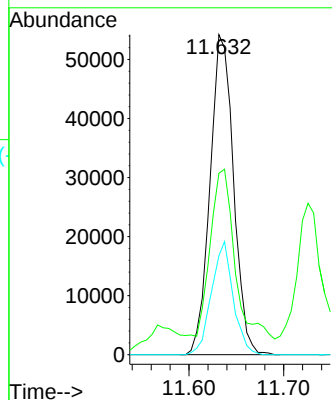
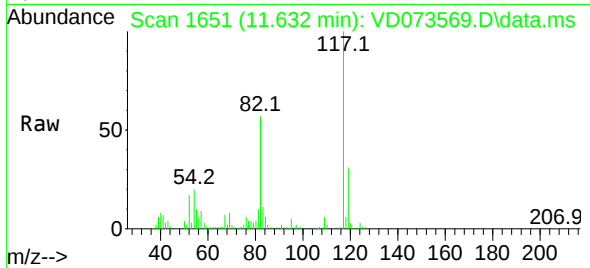




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073569.D
Acq: 14 Jun 2022 15:03

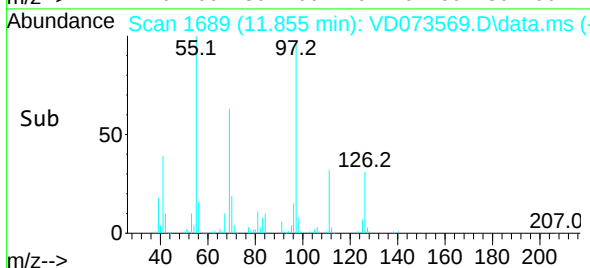
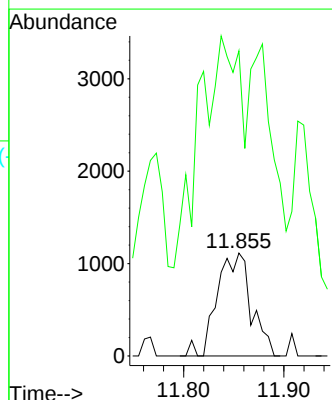
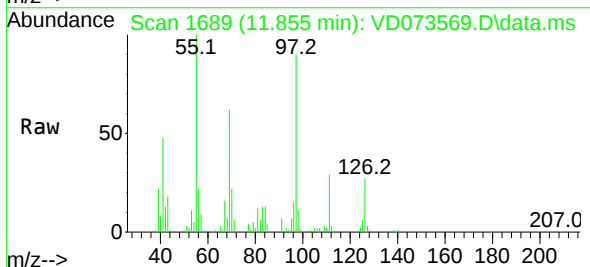
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MSVOA_D
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WC-14A-1A-10

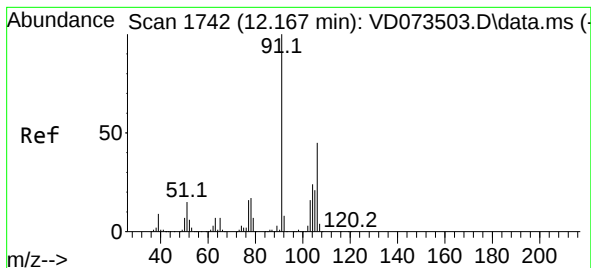
Tgt Ion:117 Resp: 93353
Ion Ratio Lower Upper
117 100
82 50.9 45.3 67.9
119 30.9 26.6 40.0



#68
m/p-Xylenes
Concen: 1.993 ug/l
RT: 11.855 min Scan# 1689
Delta R.T. 0.011 min
Lab File: VD073569.D
Acq: 14 Jun 2022 15:03

Tgt Ion:106 Resp: 2625
Ion Ratio Lower Upper
106 100
91 191.8 163.7 245.5





#69

o-Xylene

Concen: 3.257 ug/l

RT: 12.167 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD073569.D

Acq: 14 Jun 2022 15:03

Instrument :

MSVOA_D

ClientSampleId :

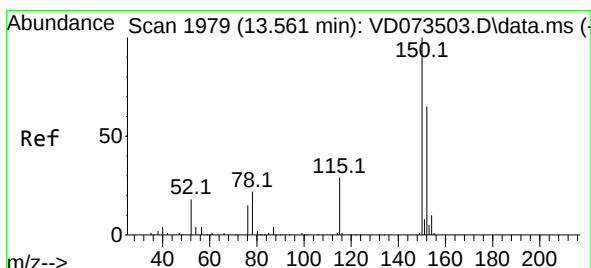
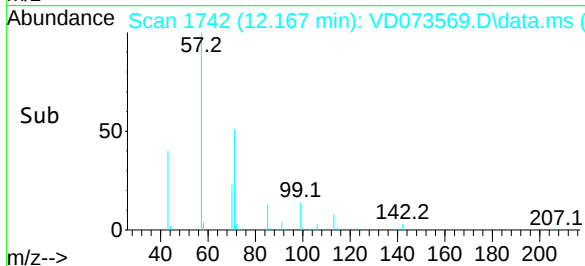
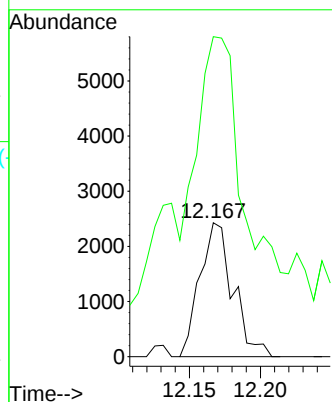
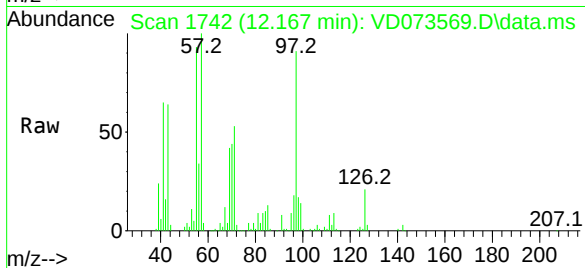
WC-14A-1A-10

Tgt Ion:106 Resp: 3948

Ion Ratio Lower Upper

106 100

91 406.7 110.4 331.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VD073569.D

Acq: 14 Jun 2022 15:03

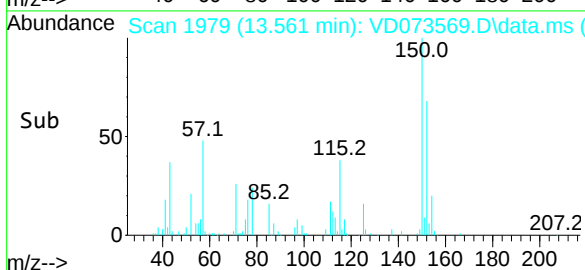
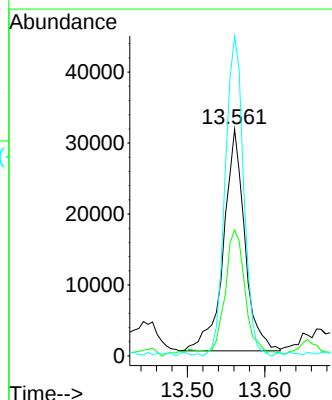
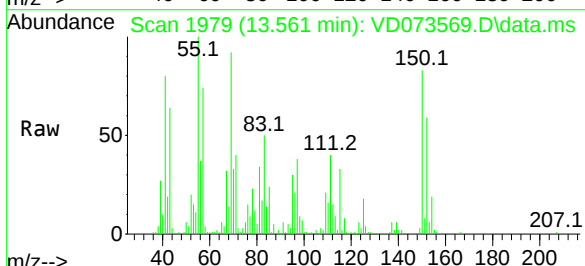
Tgt Ion:152 Resp: 59887

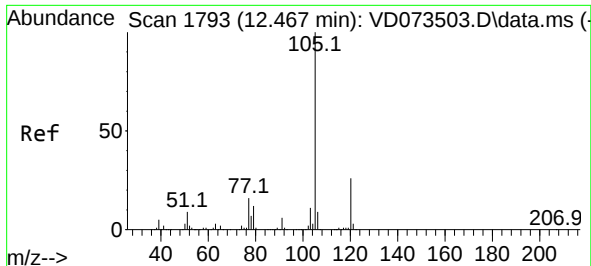
Ion Ratio Lower Upper

152 100

115 51.8 31.3 93.8

150 125.0 0.0 348.6

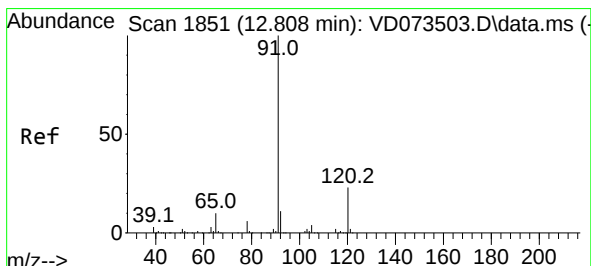
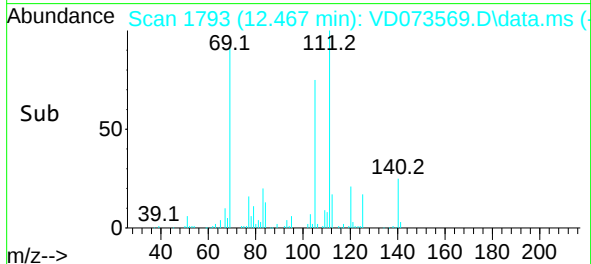
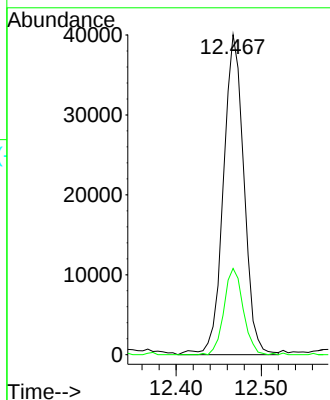
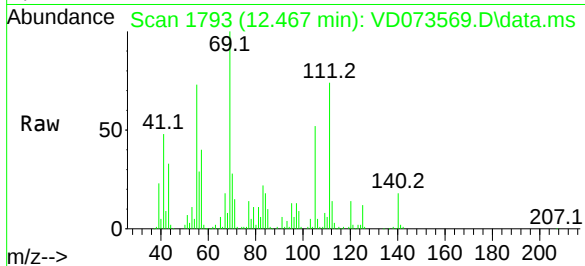




#73
Isopropylbenzene
Concen: 16.156 ug/l
RT: 12.467 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073569.D
Acq: 14 Jun 2022 15:03

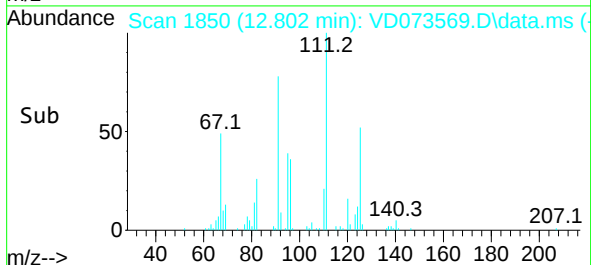
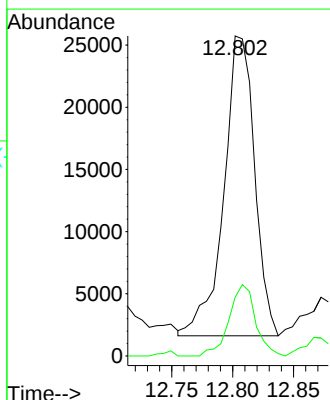
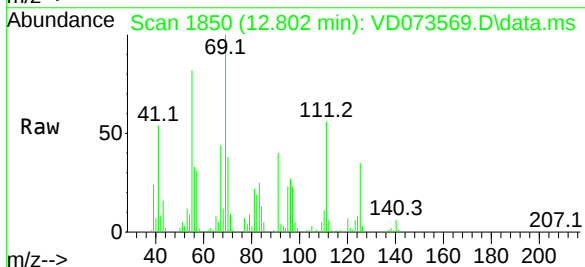
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-10

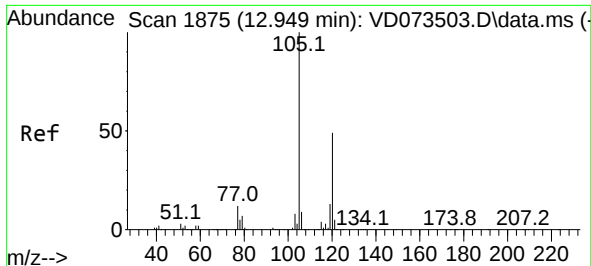
Tgt Ion:105 Resp: 67062
Ion Ratio Lower Upper
105 100
120 25.1 13.0 38.9



#78
n-propylbenzene
Concen: 8.217 ug/l
RT: 12.802 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VD073569.D
Acq: 14 Jun 2022 15:03

Tgt Ion: 91 Resp: 42458
Ion Ratio Lower Upper
91 100
120 20.4 10.9 32.9

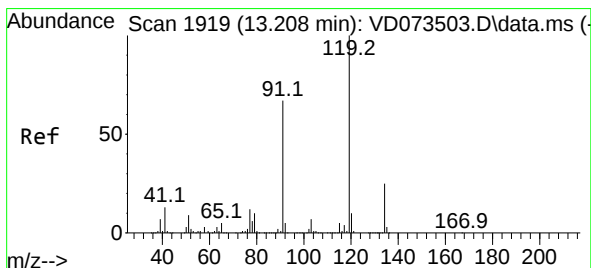
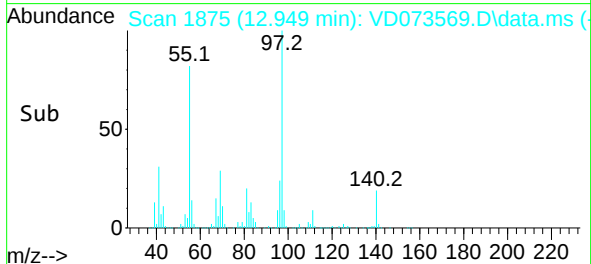
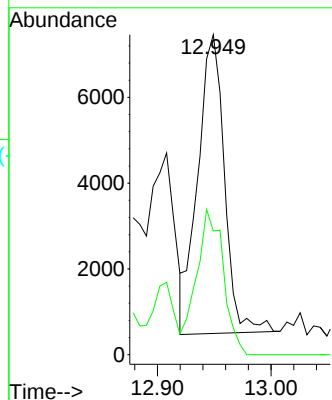
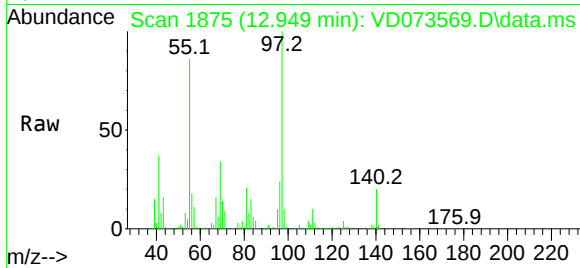




#80
1,3,5-Trimethylbenzene
Concen: 3.169 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD073569.D
Acq: 14 Jun 2022 15:03

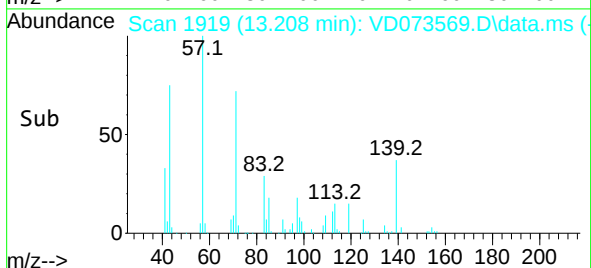
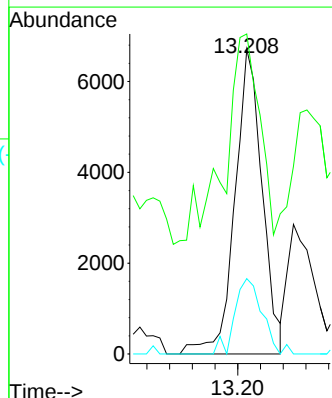
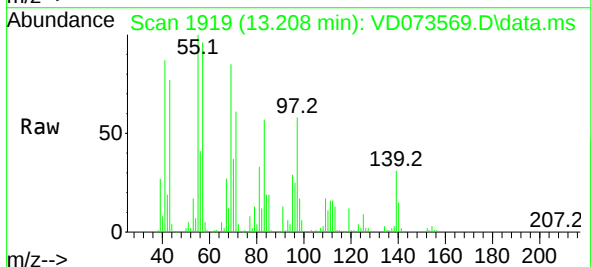
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-10

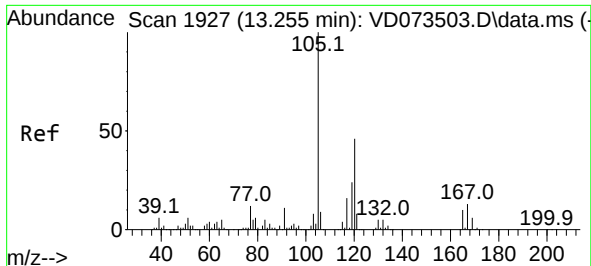
Tgt Ion:105 Resp: 11347
Ion Ratio Lower Upper
105 100
120 49.0 24.3 72.8



#83
tert-Butylbenzene
Concen: 3.702 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.000 min
Lab File: VD073569.D
Acq: 14 Jun 2022 15:03

Tgt Ion:119 Resp: 11200
Ion Ratio Lower Upper
119 100
91 88.1 34.8 104.5
134 24.9 13.3 39.9

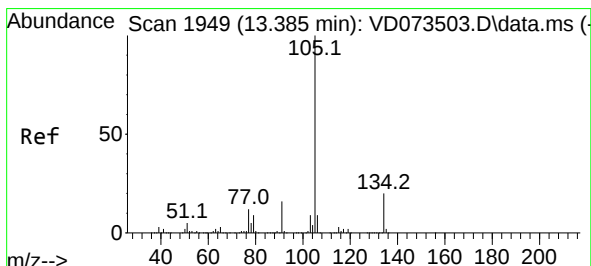
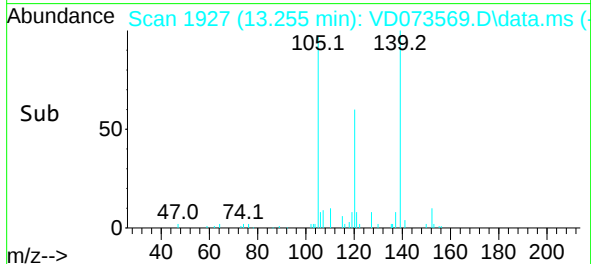
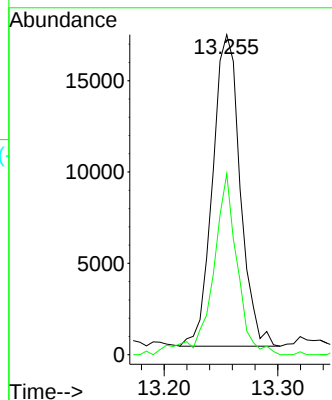
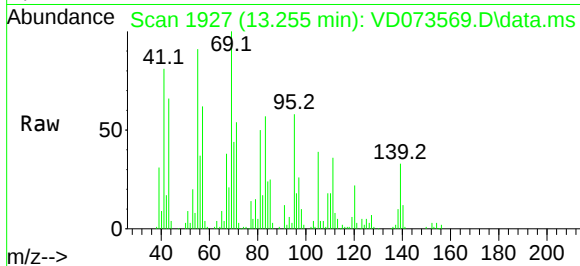




#84
1,2,4-Trimethylbenzene
Concen: 8.041 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VD073569.D
Acq: 14 Jun 2022 15:03

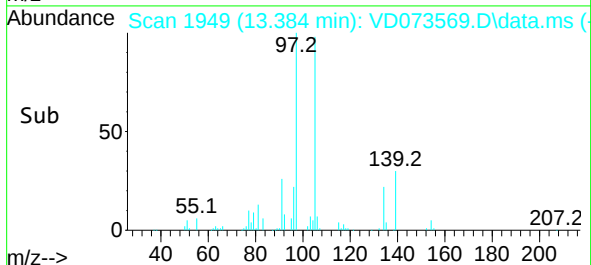
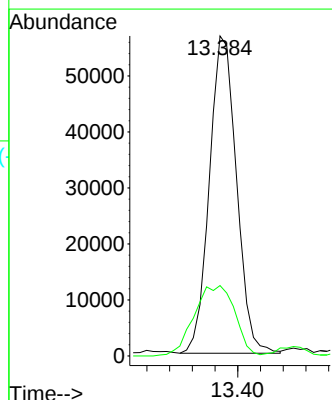
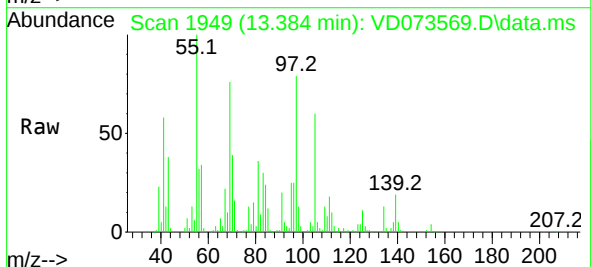
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-10

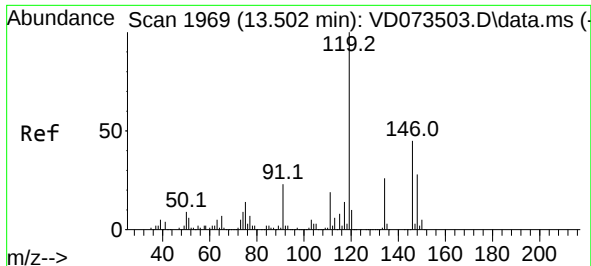
Tgt Ion:105 Resp: 28731
Ion Ratio Lower Upper
105 100
120 51.5 22.3 66.8



#85
sec-Butylbenzene
Concen: 20.723 ug/l
RT: 13.384 min Scan# 1949
Delta R.T. -0.001 min
Lab File: VD073569.D
Acq: 14 Jun 2022 15:03

Tgt Ion:105 Resp: 93931
Ion Ratio Lower Upper
105 100
134 33.4 9.8 29.3#

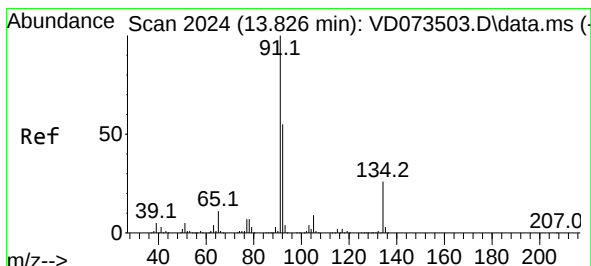
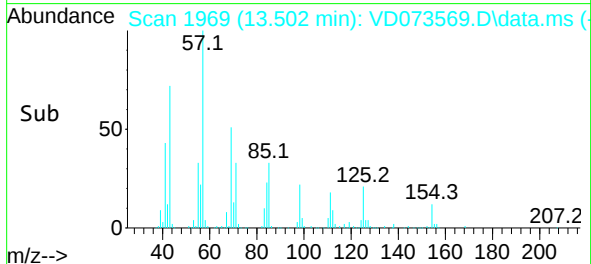
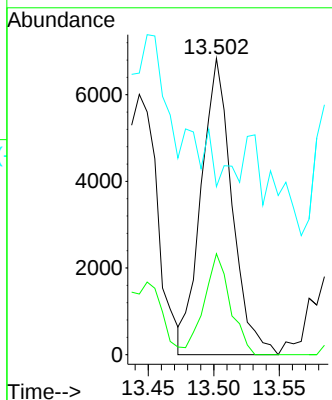
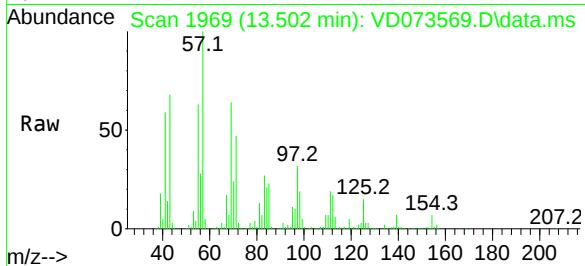




#86
p-Isopropyltoluene
Concen: 2.971 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD073569.D
Acq: 14 Jun 2022 15:03

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

Tgt Ion:119 Resp: 11226
Ion Ratio Lower Upper
119 100
134 28.6 12.9 38.6
91 0.0 12.1 36.3#



#89
n-Butylbenzene
Concen: 13.611 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.000 min
Lab File: VD073569.D
Acq: 14 Jun 2022 15:03

Tgt Ion: 91 Resp: 48513
Ion Ratio Lower Upper
91 100
92 51.5 26.6 79.8
134 0.0 12.3 36.9#

