

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062122\
 Data File : VD073642.D
 Acq On : 21 Jun 2022 12:58
 Operator : VA/SY
 Sample : N3422-03
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-1A-12

Quant Time: Jun 22 06:00:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 05:24:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	11539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	21749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	19258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	9933	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	11684	88.003	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 176.000%#	
35) Dibromofluoromethane	7.908	113	9720	61.606	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 123.220%	
50) Toluene-d8	10.338	98	22899	40.550	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 81.100%	
62) 4-Bromofluorobenzene	12.620	95	10052	48.538	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.080%	

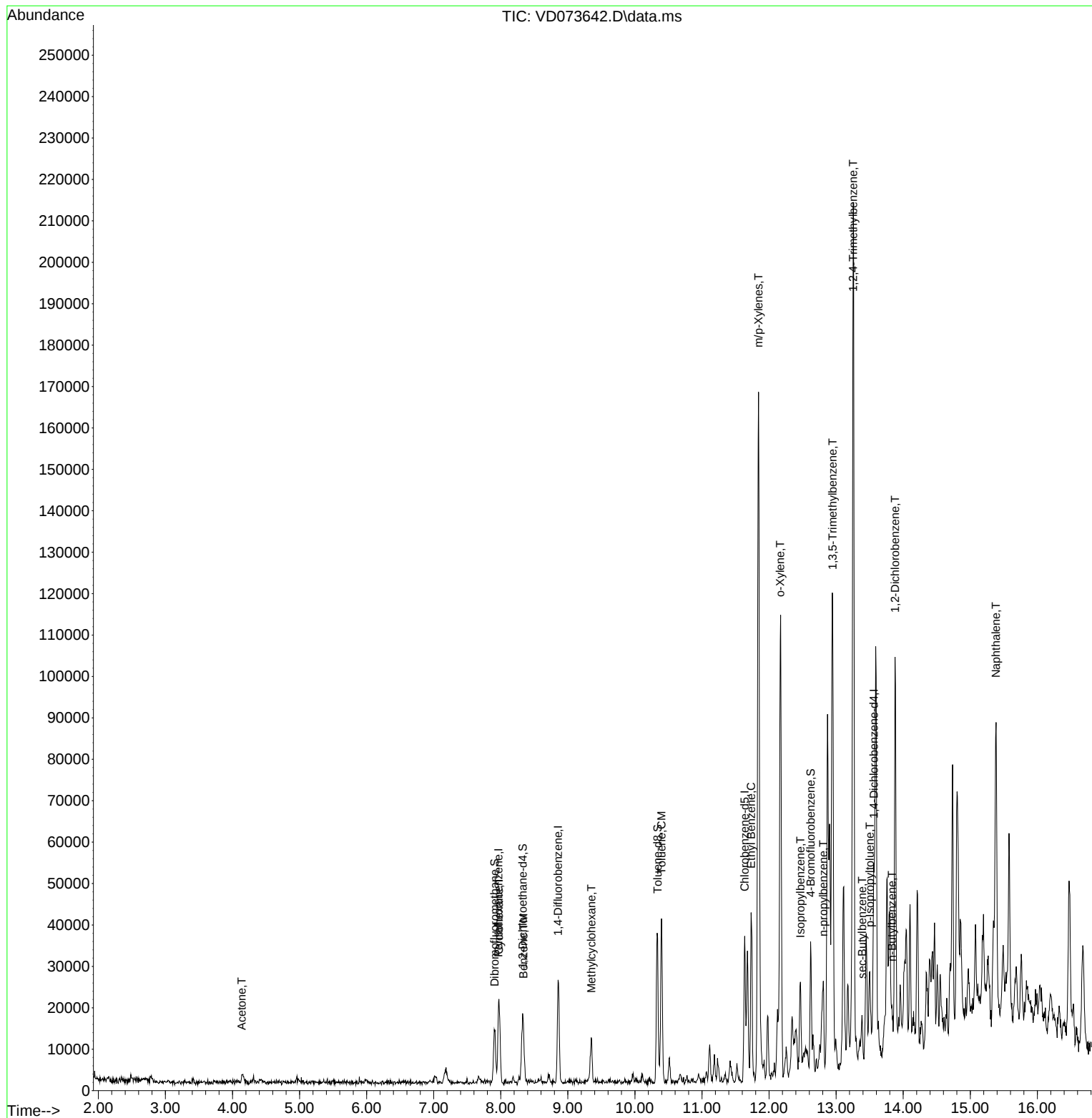
Target Compounds						Qvalue
16) Acetone	4.138	43	2680	126.970	ug/l	95
31) Cyclohexane	7.973	56	2277	11.272	ug/l #	84
39) Methylcyclohexane	9.349	83	3857	15.751	ug/l #	89
40) Benzene	8.338	78	5879	9.196	ug/l #	86
52) Toluene	10.396	92	16967	40.607	ug/l	96
67) Ethyl Benzene	11.732	91	27925	38.196	ug/l	92
68) m/p-Xylenes	11.843	106	48033	166.832	ug/l	97
69) o-Xylene	12.167	106	28897	107.684	ug/l	98
73) Isopropylbenzene	12.467	105	8858	12.359	ug/l	100
78) n-propylbenzene	12.808	91	16648	18.964	ug/l	93
80) 1,3,5-Trimethylbenzene	12.949	105	39799	65.020	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	114760	190.063	ug/l	100
85) sec-Butylbenzene	13.390	105	6131	7.782	ug/l	86
86) p-Isopropyltoluene	13.502	119	7327	11.258	ug/l	86
89) n-Butylbenzene	13.832	91	4468	7.302	ug/l #	72
91) 1,2-Dichlorobenzene	13.879	146	6679	21.515	ug/l	89
95) Naphthalene	15.384	128	62229	170.761	ug/l	96

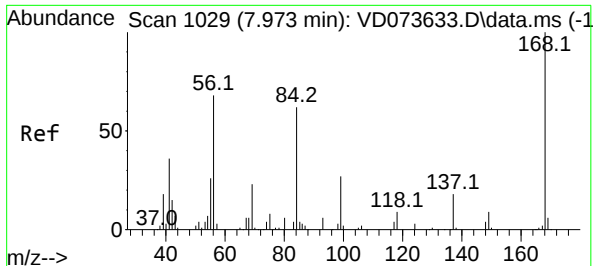
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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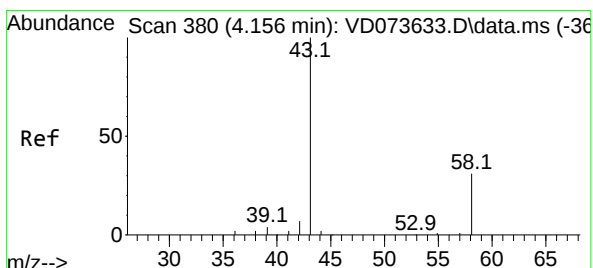
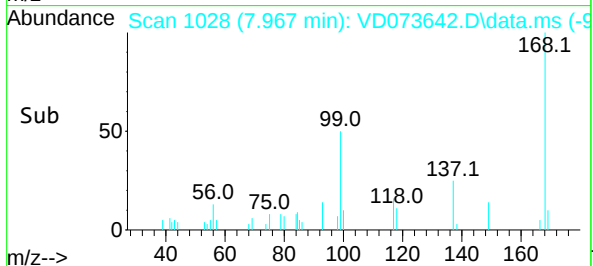
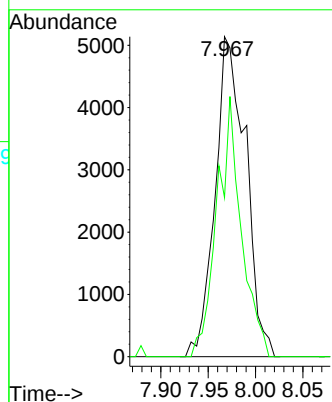
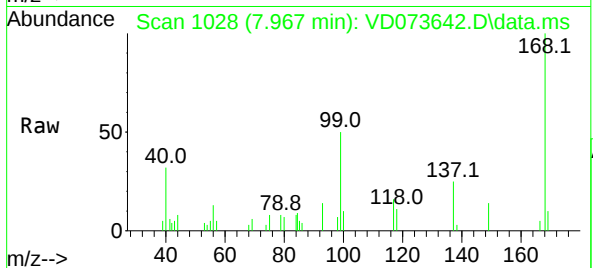




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073642.D
Acq: 21 Jun 2022 12:58

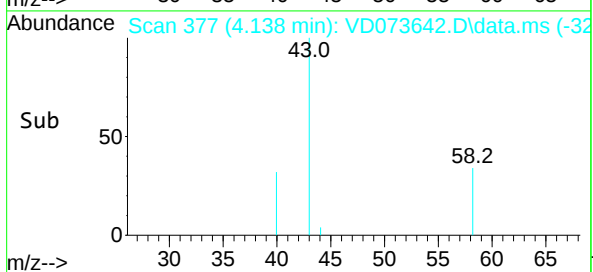
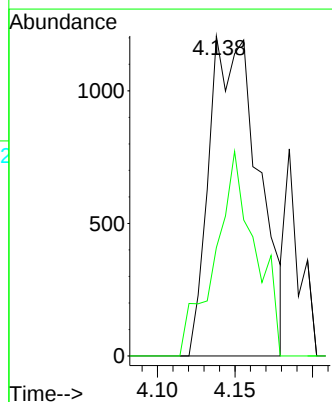
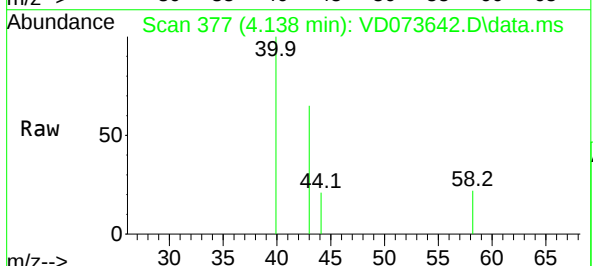
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-12

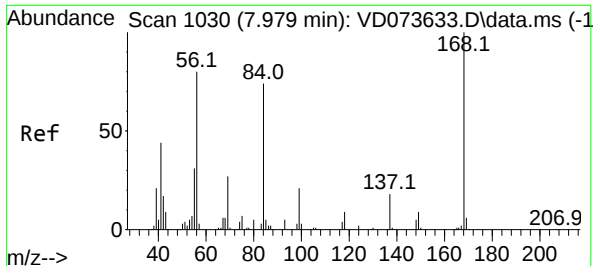
Tgt Ion:168 Resp: 11539
Ion Ratio Lower Upper
168 100
99 49.7 47.4 71.0



#16
Acetone
Concen: 126.970 ug/l
RT: 4.138 min Scan# 377
Delta R.T. -0.018 min
Lab File: VD073642.D
Acq: 21 Jun 2022 12:58

Tgt Ion: 43 Resp: 2680
Ion Ratio Lower Upper
43 100
58 33.9 25.0 37.4





#31

Cyclohexane

Concen: 11.272 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073642.D

Acq: 21 Jun 2022 12:58

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-12

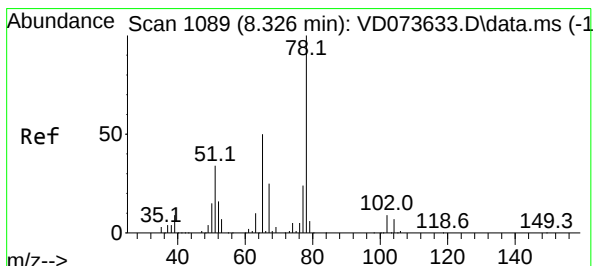
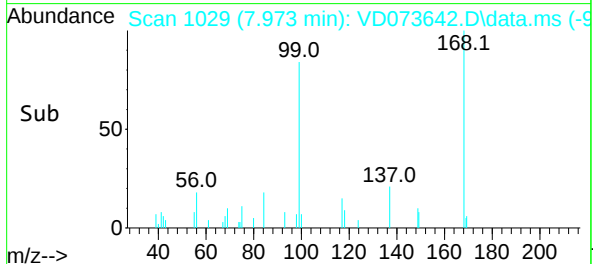
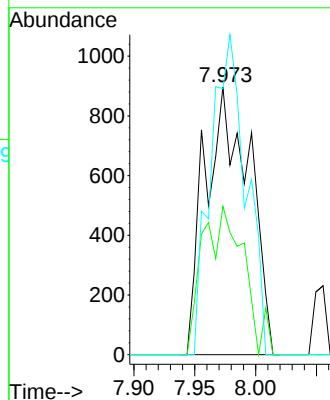
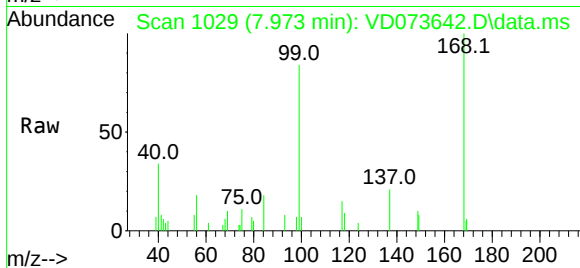
Tgt Ion: 56 Resp: 2277

Ion Ratio Lower Upper

56 100

69 55.4 26.9 40.3#

84 99.3 73.8 110.8



#33

1,2-Dichloroethane-d4

Concen: 88.003 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073642.D

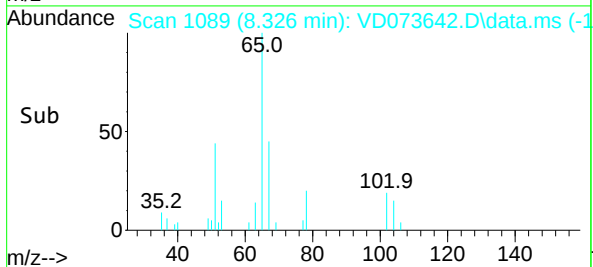
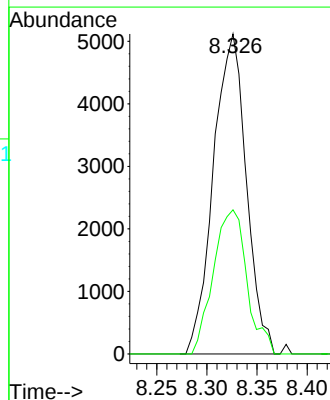
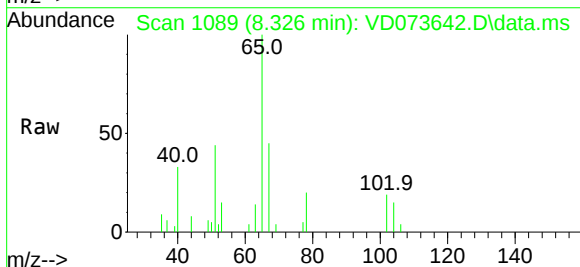
Acq: 21 Jun 2022 12:58

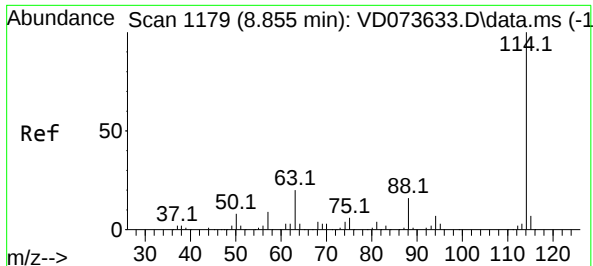
Tgt Ion: 65 Resp: 11684

Ion Ratio Lower Upper

65 100

67 45.9 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073642.D

Acq: 21 Jun 2022 12:58

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-12

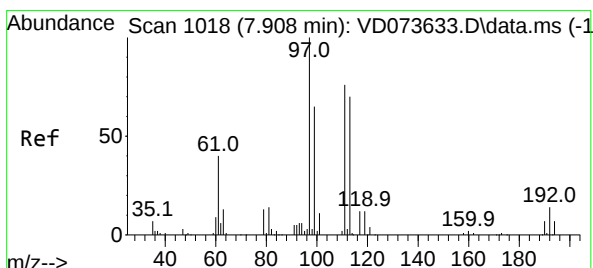
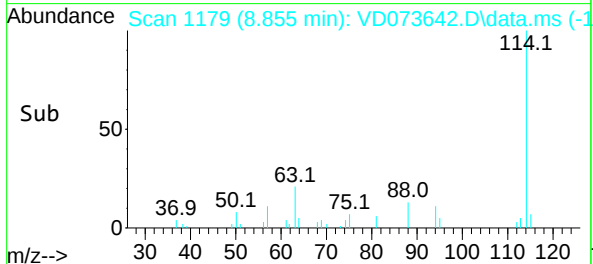
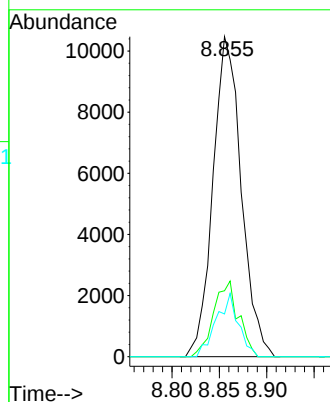
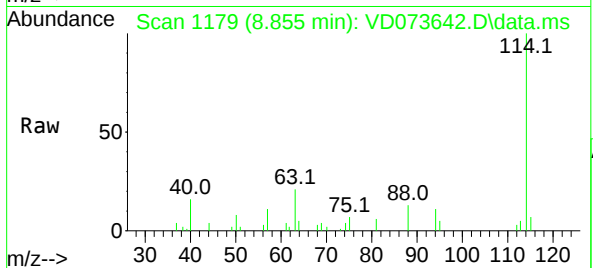
Tgt Ion:114 Resp: 21749

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.4

88 13.3 0.0 32.2



#35

Dibromofluoromethane

Concen: 61.606 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073642.D

Acq: 21 Jun 2022 12:58

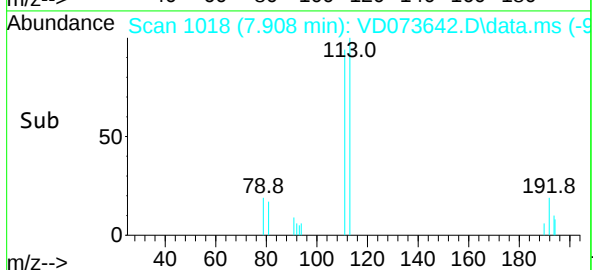
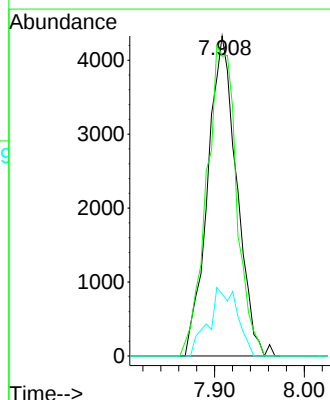
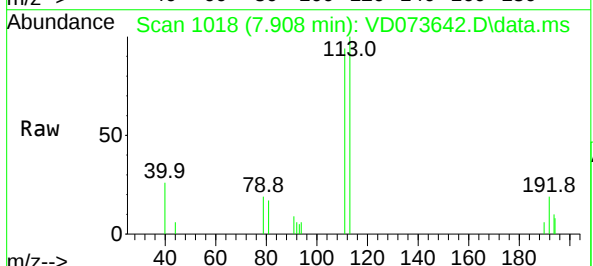
Tgt Ion:113 Resp: 9720

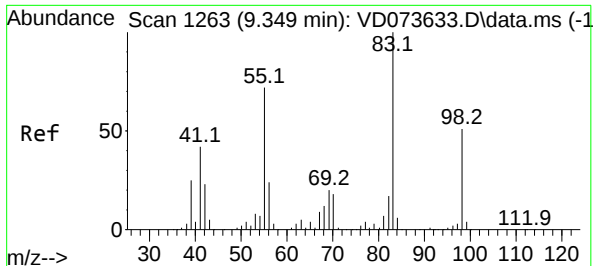
Ion Ratio Lower Upper

113 100

111 100.3 81.1 121.7

192 21.1 14.3 21.5

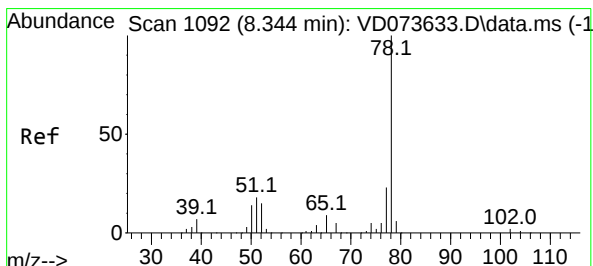
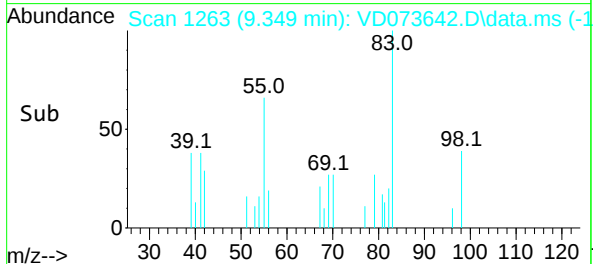
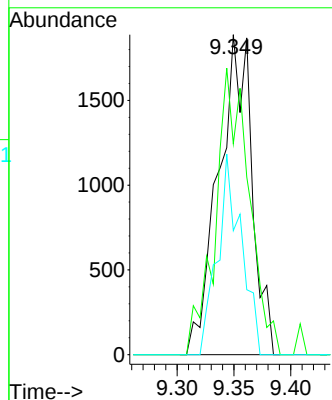
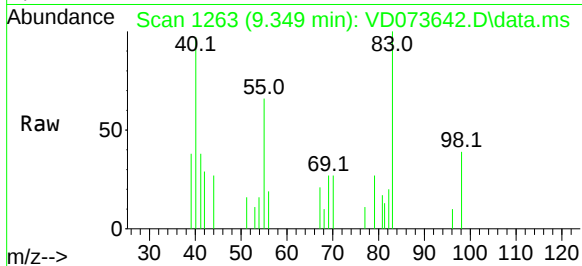




#39
Methylcyclohexane
Concen: 15.751 ug/l
RT: 9.349 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD073642.D
Acq: 21 Jun 2022 12:58

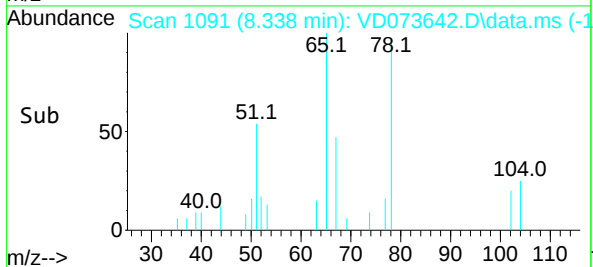
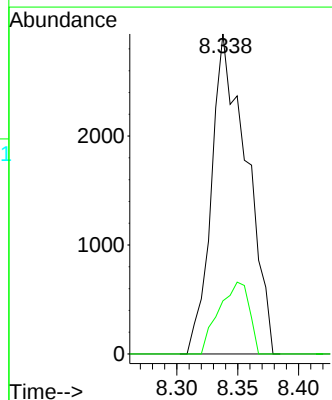
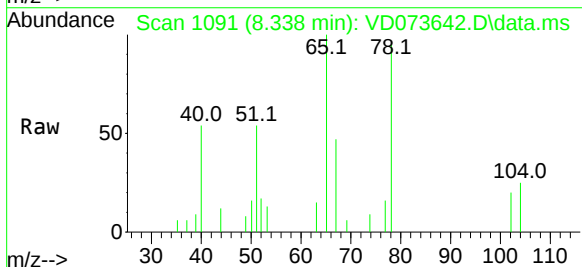
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-12

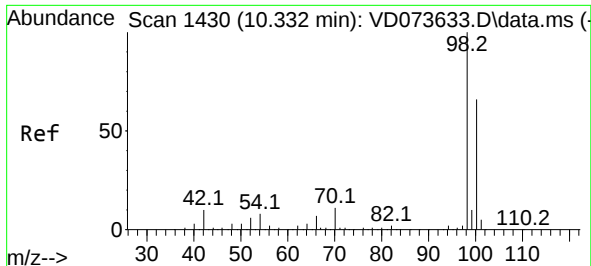
Tgt Ion: 83 Resp: 3857
Ion Ratio Lower Upper
83 100
55 65.9 57.4 86.2
98 38.7 40.6 60.8#



#40
Benzene
Concen: 9.196 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. -0.006 min
Lab File: VD073642.D
Acq: 21 Jun 2022 12:58

Tgt Ion: 78 Resp: 5879
Ion Ratio Lower Upper
78 100
77 16.6 18.6 27.8#

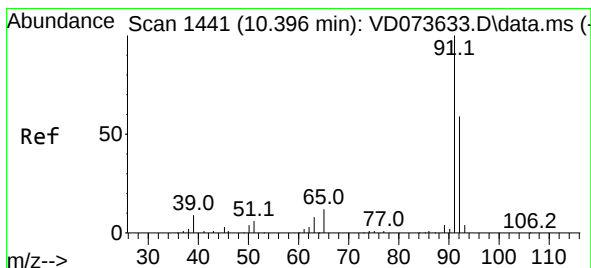
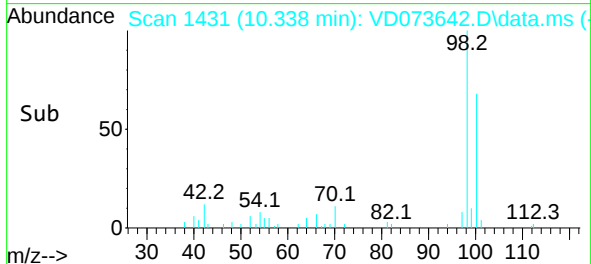
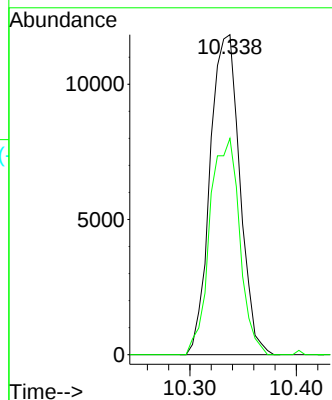
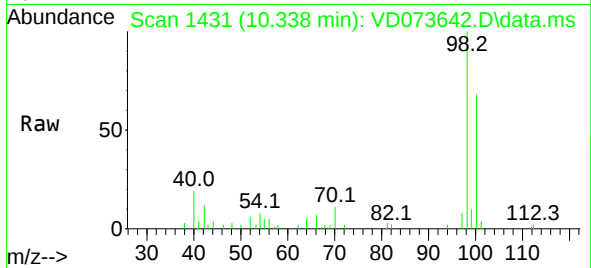




#50
Toluene-d8
Concen: 40.550 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD073642.D
Acq: 21 Jun 2022 12:58

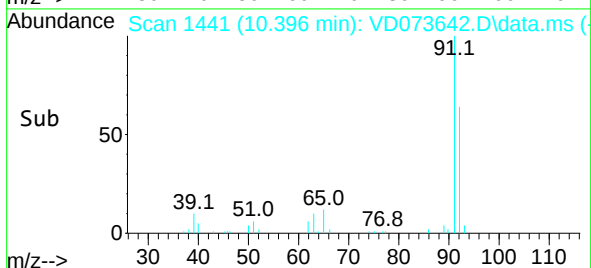
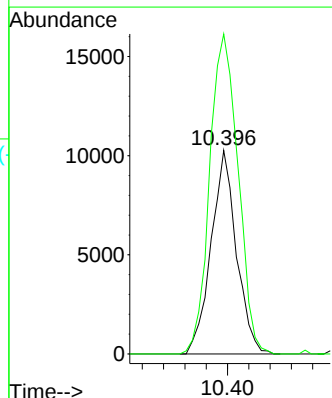
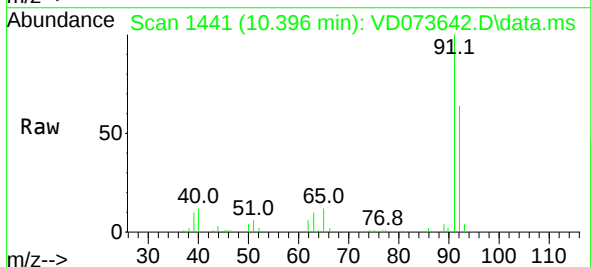
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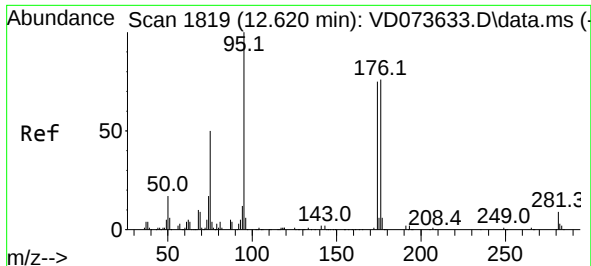
Tgt Ion: 98 Resp: 22899
Ion Ratio Lower Upper
98 100
100 67.7 51.4 77.2



#52
Toluene
Concen: 40.607 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VD073642.D
Acq: 21 Jun 2022 12:58

Tgt Ion: 92 Resp: 16967
Ion Ratio Lower Upper
92 100
91 176.0 136.1 204.1

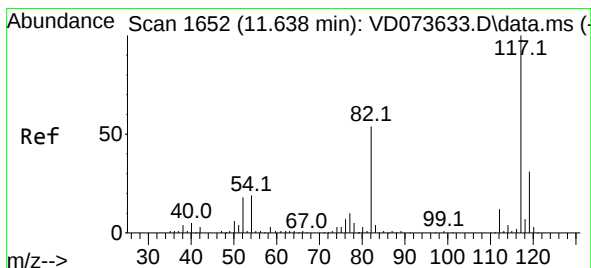
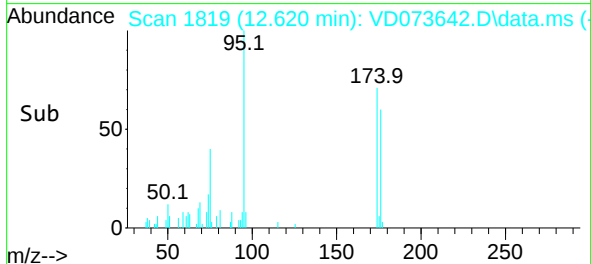
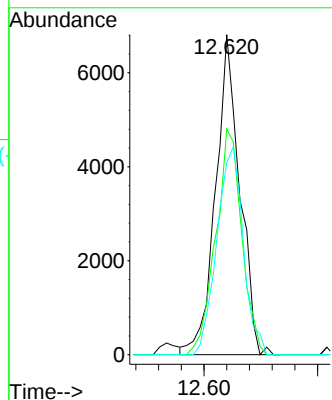
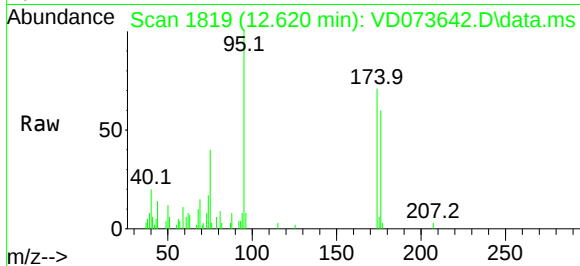




#62
4-Bromofluorobenzene
Concen: 48.538 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073642.D
Acq: 21 Jun 2022 12:58

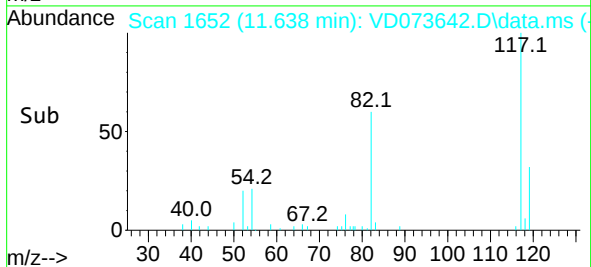
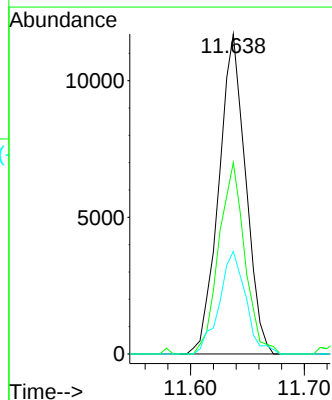
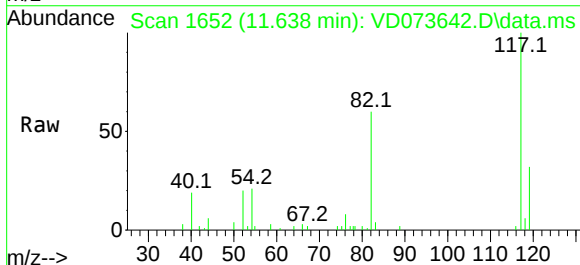
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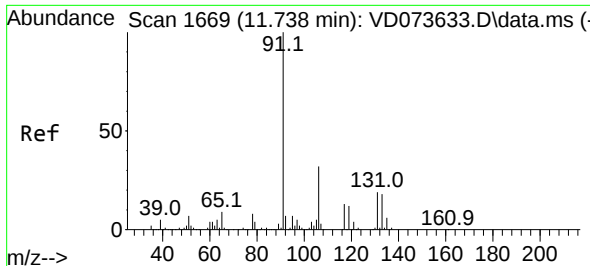
Tgt Ion:	95	Resp:	10052
Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	156.4
176	70.9	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD073642.D
Acq: 21 Jun 2022 12:58

Tgt Ion:	117	Resp:	19258
Ion	Ratio	Lower	Upper
117	100		
82	59.8	43.0	64.4
119	32.0	24.5	36.7

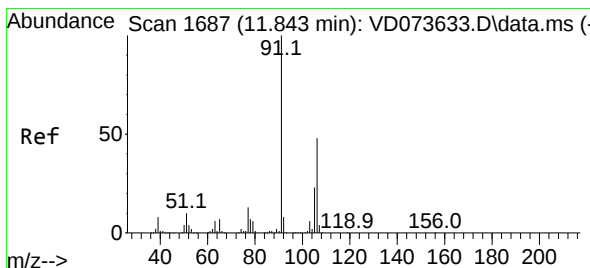
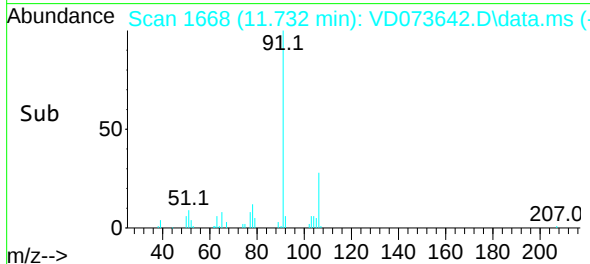
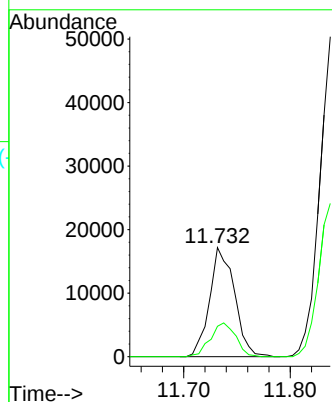
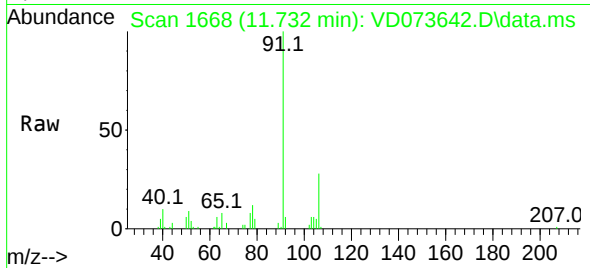




#67
Ethyl Benzene
Concen: 38.196 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VD073642.D
Acq: 21 Jun 2022 12:58

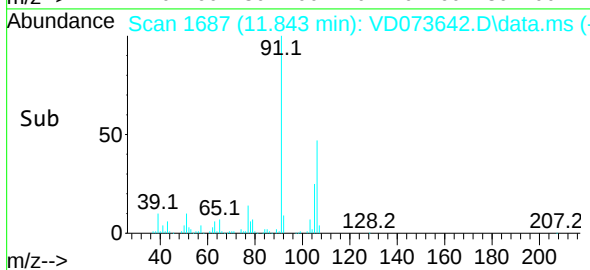
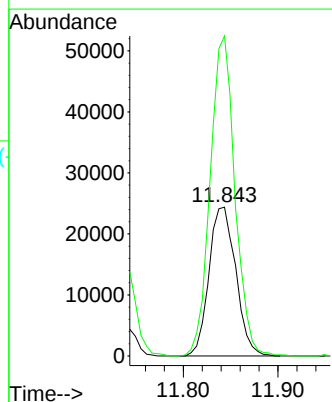
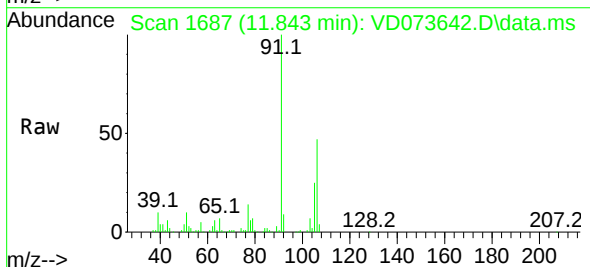
Instrument :
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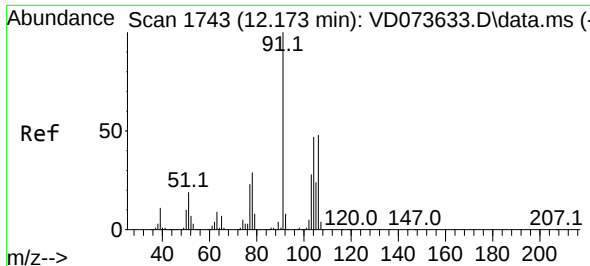
Tgt Ion: 91 Resp: 27925
Ion Ratio Lower Upper
91 100
106 27.8 25.8 38.6



#68
m/p-Xylenes
Concen: 166.832 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD073642.D
Acq: 21 Jun 2022 12:58

Tgt Ion: 106 Resp: 48033
Ion Ratio Lower Upper
106 100
91 198.9 162.7 244.1

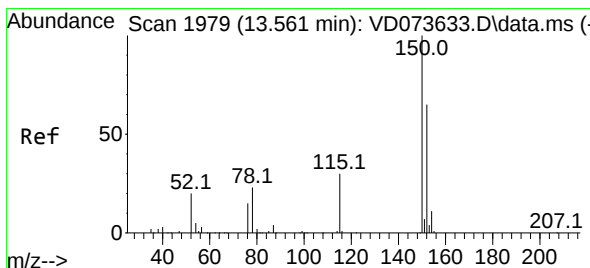
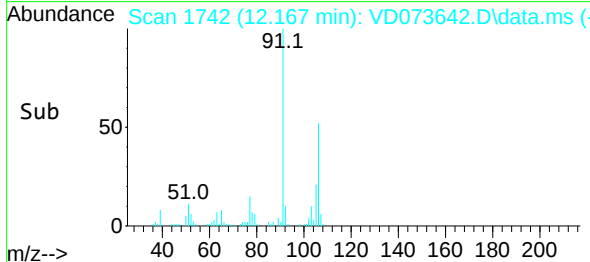
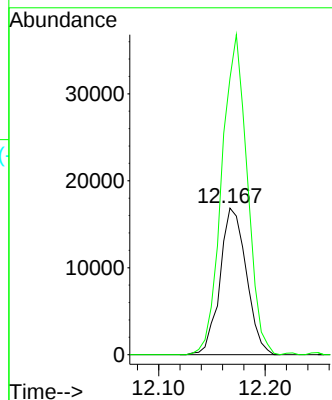
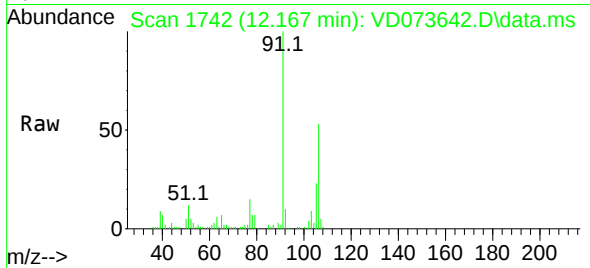




#69
o-Xylene
Concen: 107.684 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VD073642.D
Acq: 21 Jun 2022 12:58

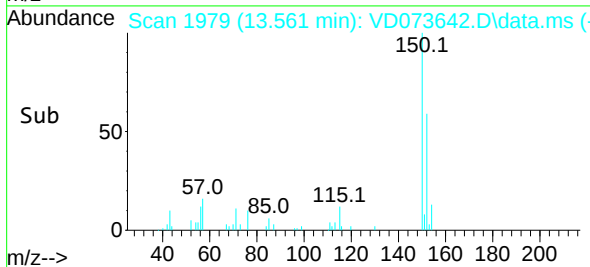
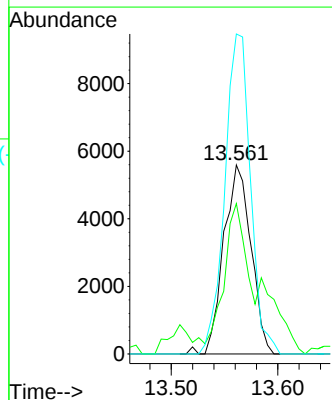
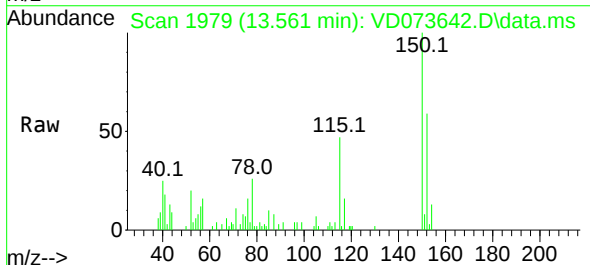
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-12

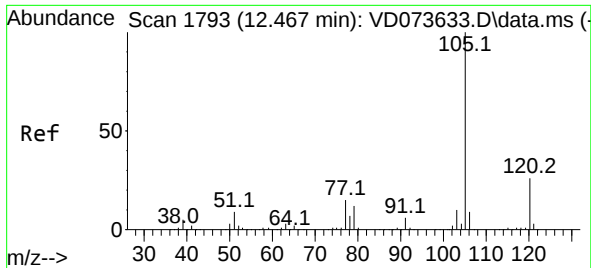
Tgt Ion:106 Resp: 28897
Ion Ratio Lower Upper
106 100
91 211.3 107.1 321.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073642.D
Acq: 21 Jun 2022 12:58

Tgt Ion:152 Resp: 9933
Ion Ratio Lower Upper
152 100
115 60.2 29.6 88.9
150 159.9 0.0 351.2

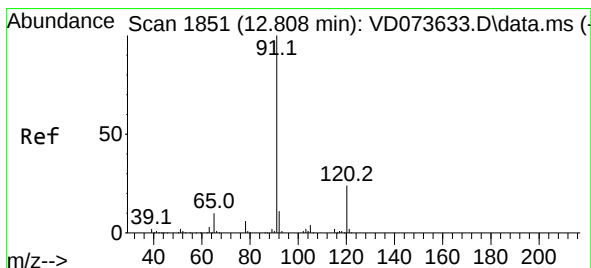
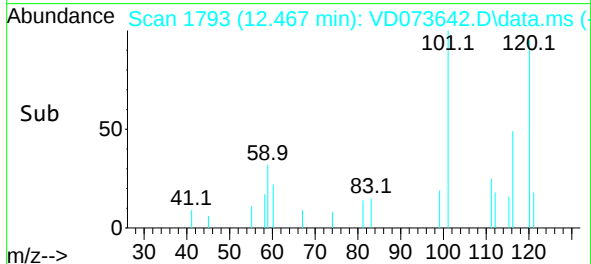
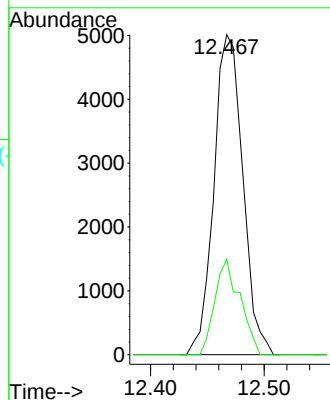
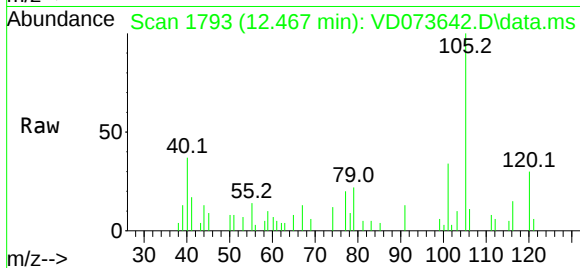




#73
Isopropylbenzene
Concen: 12.359 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD073642.D
Acq: 21 Jun 2022 12:58

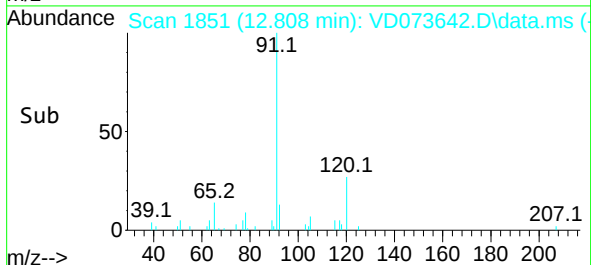
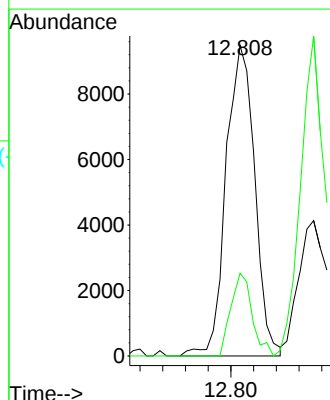
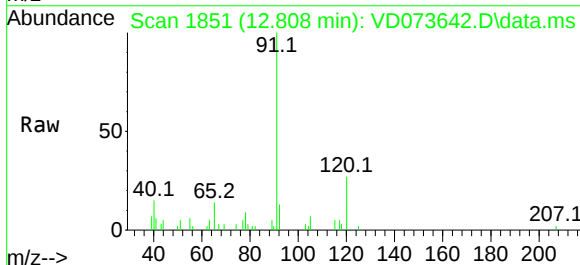
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-12

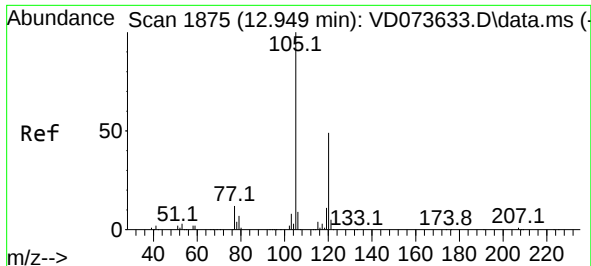
Tgt Ion:105 Resp: 8858
Ion Ratio Lower Upper
105 100
120 25.9 13.1 39.1



#78
n-propylbenzene
Concen: 18.964 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD073642.D
Acq: 21 Jun 2022 12:58

Tgt Ion: 91 Resp: 16648
Ion Ratio Lower Upper
91 100
120 19.7 11.5 34.4

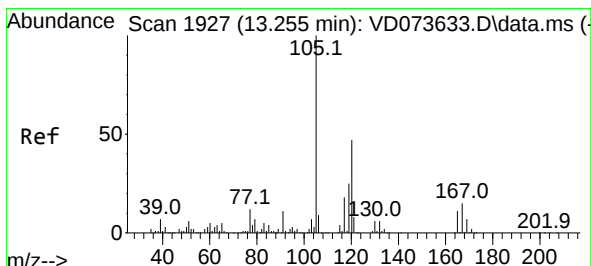
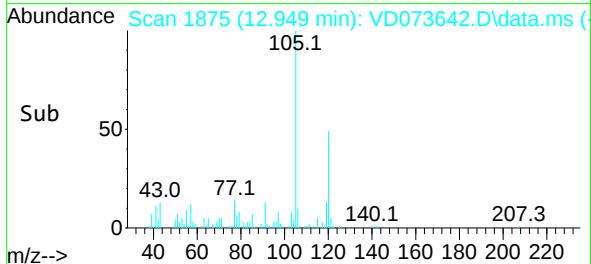
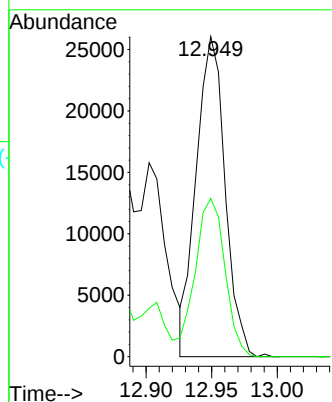
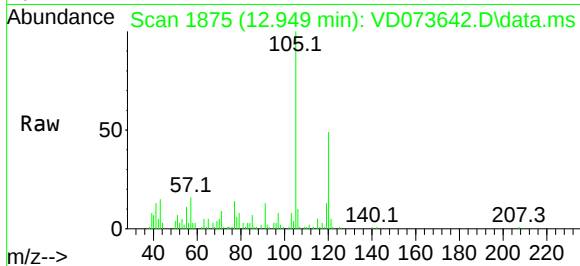




#80
1,3,5-Trimethylbenzene
Concen: 65.020 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD073642.D
Acq: 21 Jun 2022 12:58

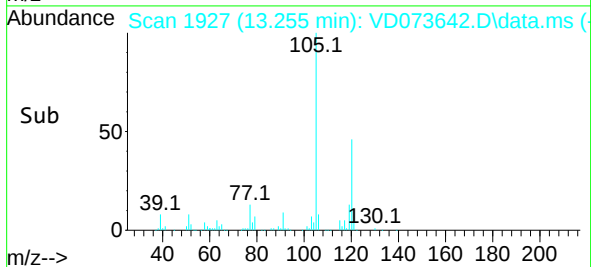
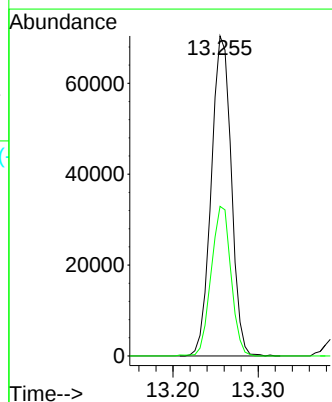
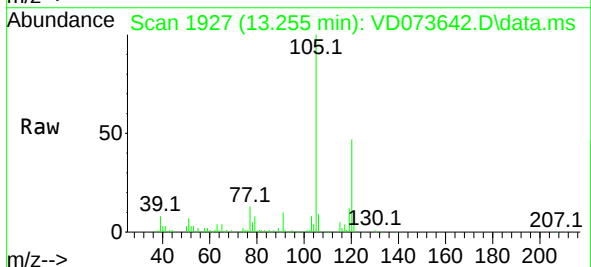
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-12

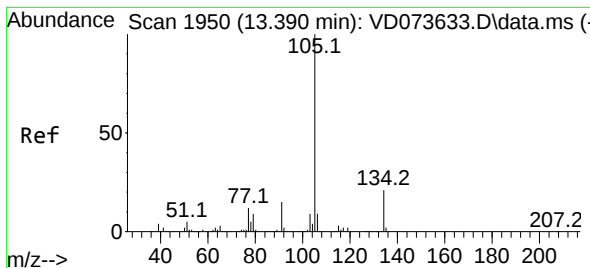
Tgt Ion:105 Resp: 39799
Ion Ratio Lower Upper
105 100
120 51.5 24.4 73.2



#84
1,2,4-Trimethylbenzene
Concen: 190.063 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073642.D
Acq: 21 Jun 2022 12:58

Tgt Ion:105 Resp: 114760
Ion Ratio Lower Upper
105 100
120 46.4 23.1 69.2





#85

sec-Butylbenzene

Concen: 7.782 ug/l

RT: 13.390 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VD073642.D

Acq: 21 Jun 2022 12:58

Instrument :

MSVOA_D

ClientSampleId :

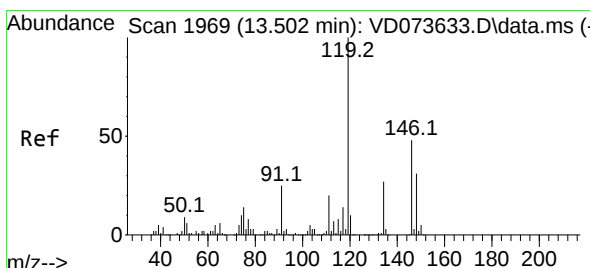
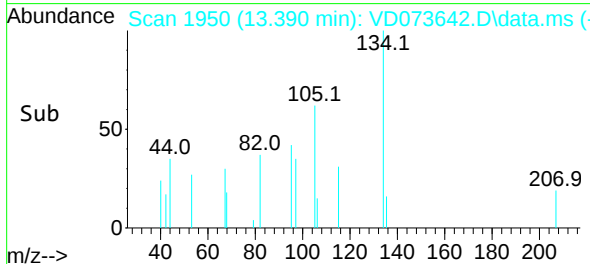
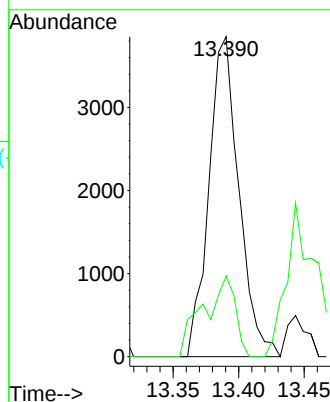
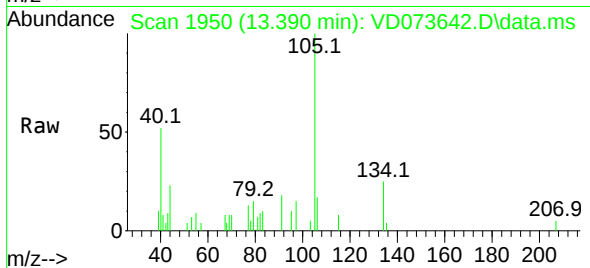
WC-14A-1A-12

Tgt Ion:105 Resp: 6131

Ion Ratio Lower Upper

105 100

134 26.9 10.3 30.8



#86

p-Isopropyltoluene

Concen: 11.258 ug/l

RT: 13.502 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VD073642.D

Acq: 21 Jun 2022 12:58

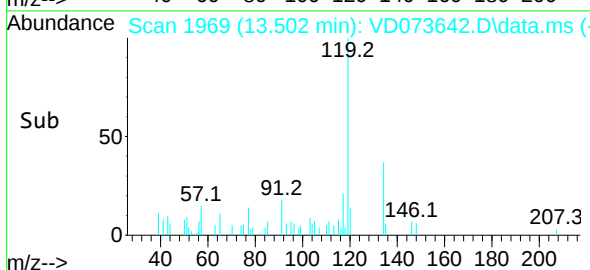
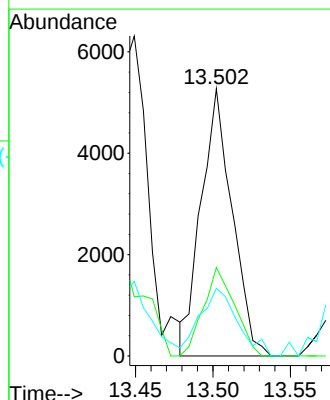
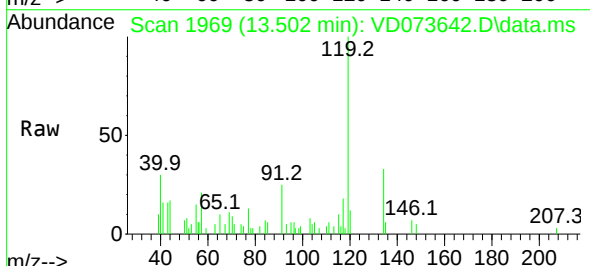
Tgt Ion:119 Resp: 7327

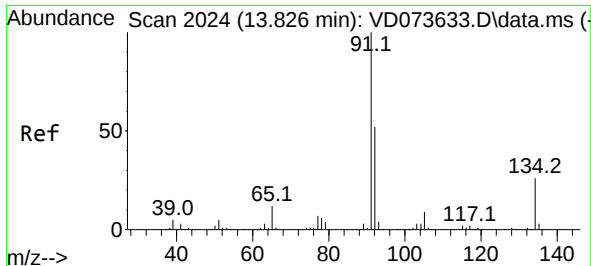
Ion Ratio Lower Upper

119 100

134 33.5 13.1 39.3

91 30.7 12.0 36.0





#89

n-Butylbenzene

Concen: 7.302 ug/l

RT: 13.832 min Scan# 2025

Delta R.T. 0.006 min

Lab File: VD073642.D

Acq: 21 Jun 2022 12:58

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-12

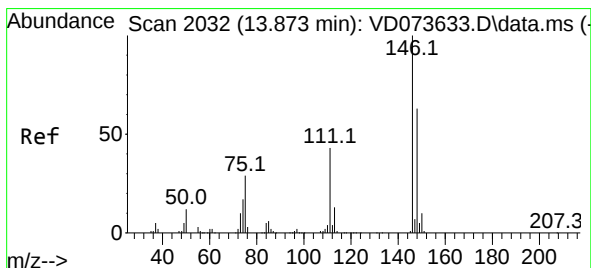
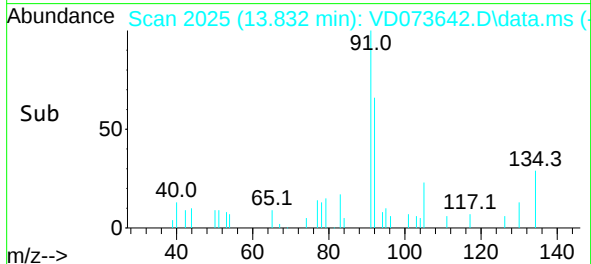
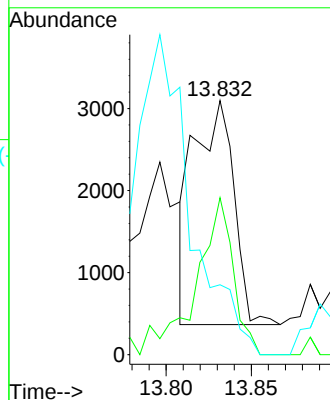
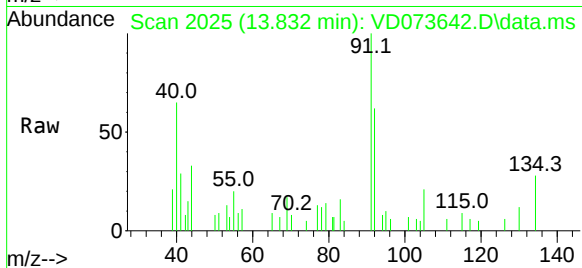
Tgt Ion: 91 Resp: 4468

Ion Ratio Lower Upper

91 100

92 65.1 26.8 80.4

134 0.0 13.1 39.3#



#91

1,2-Dichlorobenzene

Concen: 21.515 ug/l

RT: 13.879 min Scan# 2033

Delta R.T. 0.006 min

Lab File: VD073642.D

Acq: 21 Jun 2022 12:58

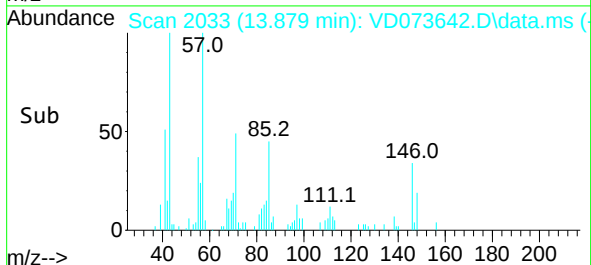
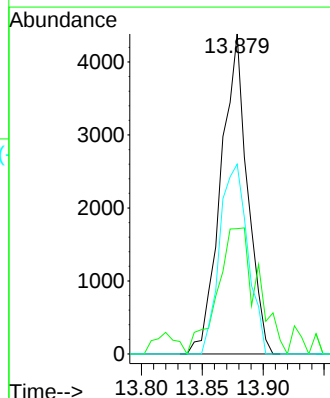
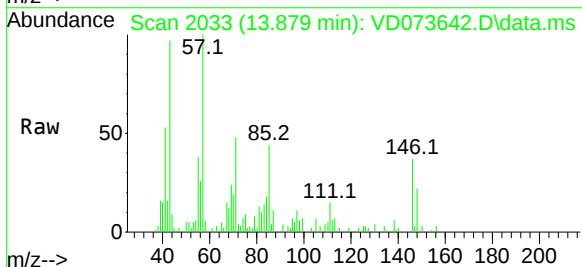
Tgt Ion:146 Resp: 6679

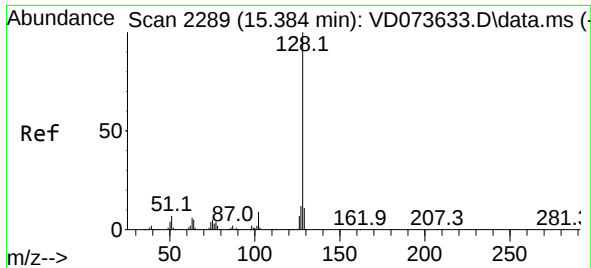
Ion Ratio Lower Upper

146 100

111 58.8 20.9 62.7

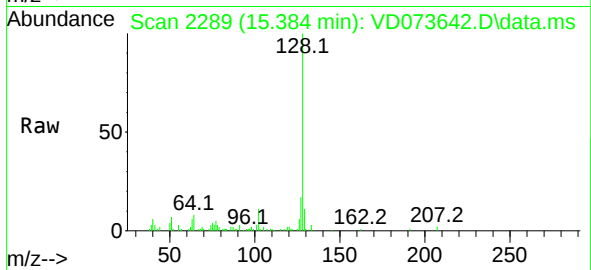
148 62.6 31.5 94.5





#95
 Naphthalene
 Concen: 170.761 ug/l
 RT: 15.384 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VD073642.D
 Acq: 21 Jun 2022 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-1A-12



Tgt Ion:	128	Resp:	62229
Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.3	15.5
129	12.5	9.0	13.6

