

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061522\
 Data File : VD073588.D
 Acq On : 15 Jun 2022 13:37
 Operator : VA/SY
 Sample : N3293-02
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 30874

Quant Time: Jun 16 06:03:08 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)

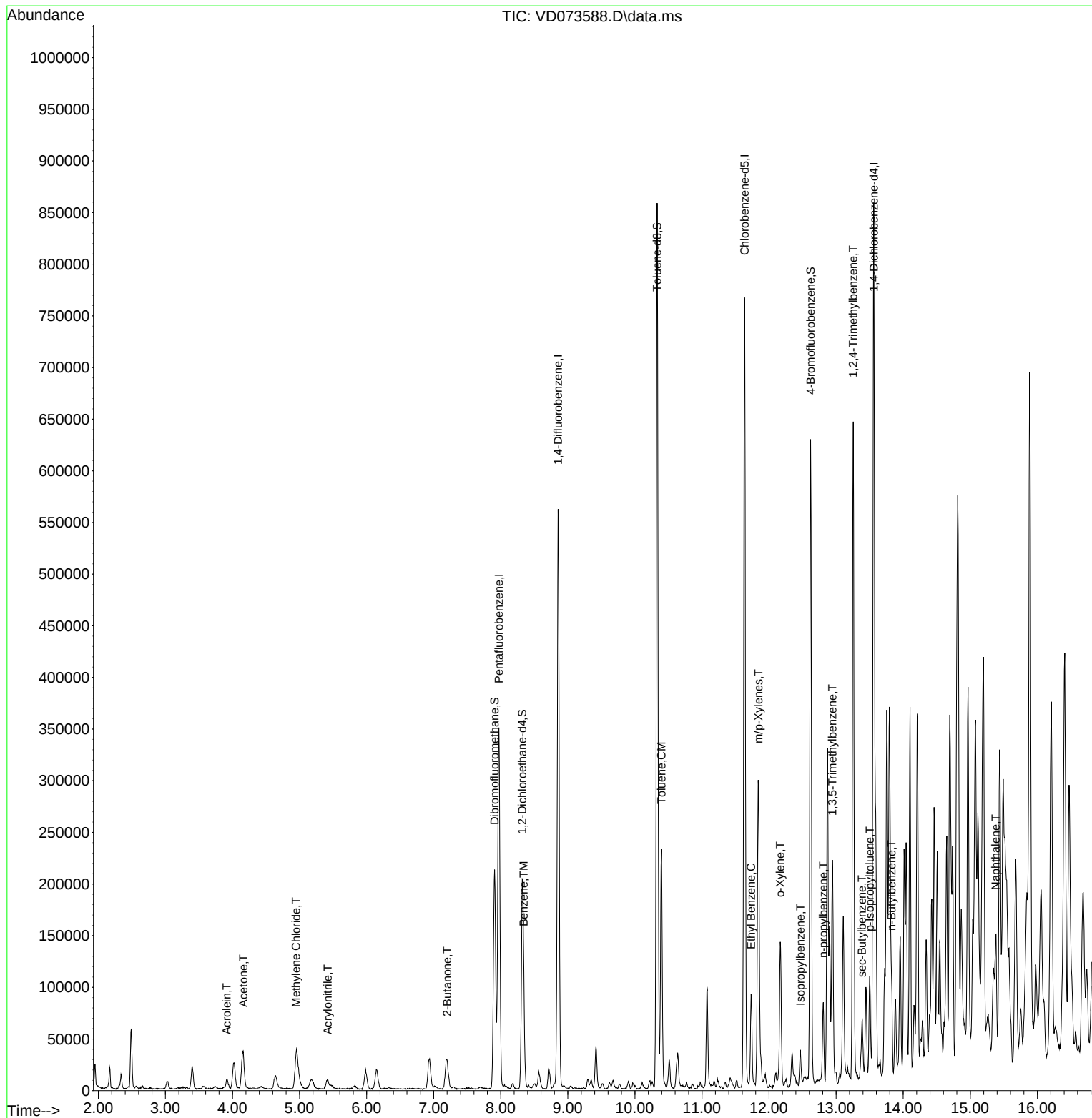
Internal Standards						
1) Pentafluorobenzene	7.973	168	252601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	485460	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	459953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	226607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	152973	56.432	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.860%
35) Dibromofluoromethane	7.908	113	156071	49.996	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.000%
50) Toluene-d8	10.332	98	570931	48.373	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.740%
62) 4-Bromofluorobenzene	12.620	95	208248	48.603	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.200%
Target Compounds						
					Qvalue	
13) Acrolein	3.914	56	10884	91.163	ug/l #	83
15) Acrylonitrile	5.420	53	12313	21.109	ug/l	94
16) Acetone	4.162	43	64566	135.274	ug/l	94
20) Methylene Chloride	4.950	84	29060	6.901	ug/l #	83
25) 2-Butanone	7.203	43	18965	27.004	ug/l	98
40) Benzene	8.344	78	46653	3.421	ug/l	99
52) Toluene	10.397	92	101220	11.572	ug/l	95
67) Ethyl Benzene	11.732	91	60971	3.687	ug/l	94
68) m/p-Xylenes	11.843	106	91628	14.118	ug/l	99
69) o-Xylene	12.167	106	37371	6.258	ug/l	97
73) Isopropylbenzene	12.467	105	19290	1.228	ug/l	96
78) n-propylbenzene	12.808	91	58049	2.969	ug/l	100
80) 1,3,5-Trimethylbenzene	12.943	105	93914	6.933	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	362297	26.796	ug/l	99
85) sec-Butylbenzene	13.385	105	31938	1.862	ug/l	82
86) p-Isopropyltoluene	13.502	119	47567	3.327	ug/l	98
89) n-Butylbenzene	13.826	91	47382	3.513	ug/l #	78
95) Naphthalene	15.379	128	54621	10.316	ug/l	97

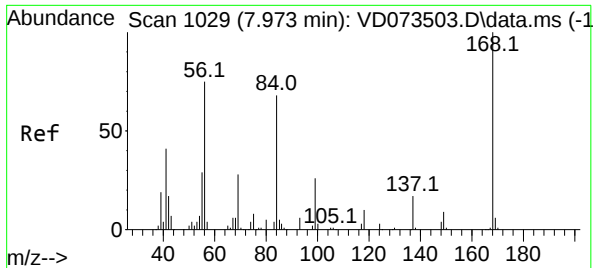
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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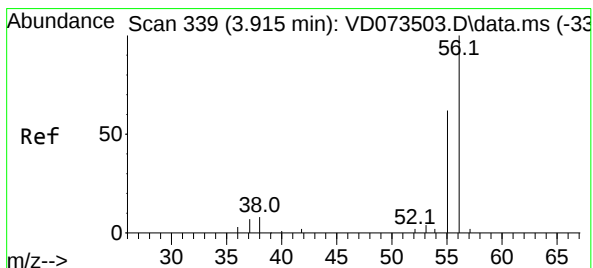
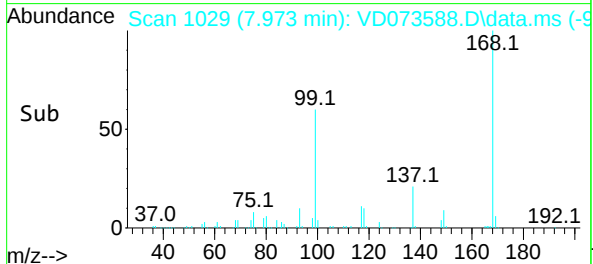
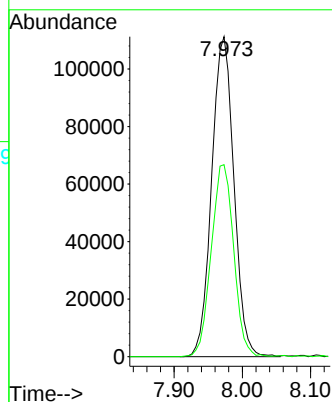
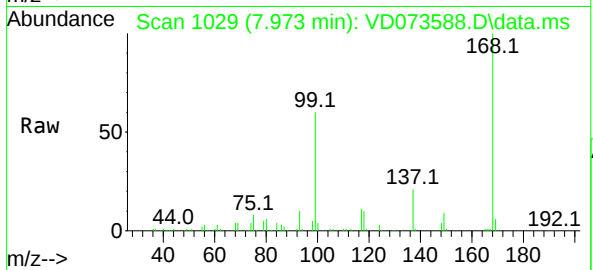




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073588.D
Acq: 15 Jun 2022 13:37

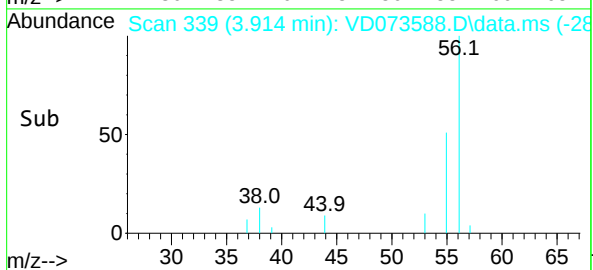
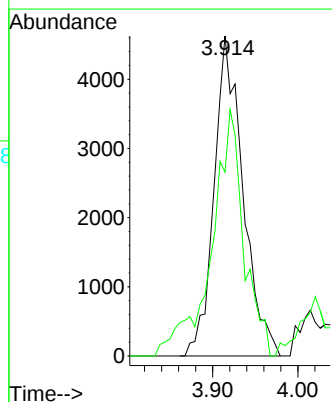
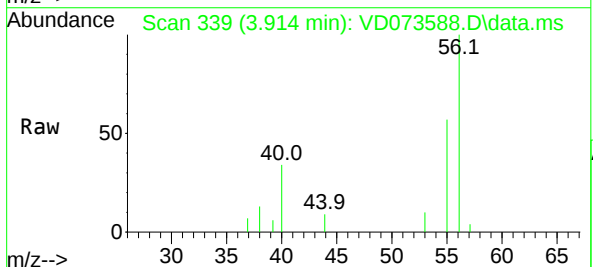
Instrument :
MSVOA_D
ClientSampleId :
30874

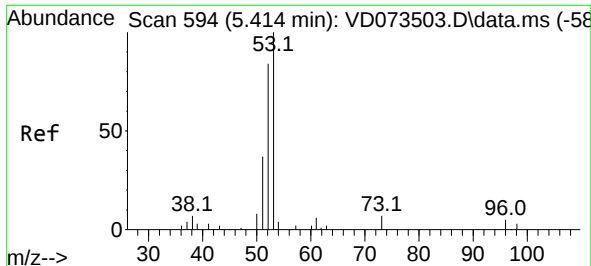
Tgt Ion:168 Resp: 252601
Ion Ratio Lower Upper
168 100
99 60.0 49.8 74.6



#13
Acrolein
Concen: 91.163 ug/l
RT: 3.914 min Scan# 339
Delta R.T. -0.001 min
Lab File: VD073588.D
Acq: 15 Jun 2022 13:37

Tgt Ion: 56 Resp: 10884
Ion Ratio Lower Upper
56 100
55 85.8 57.1 85.7#

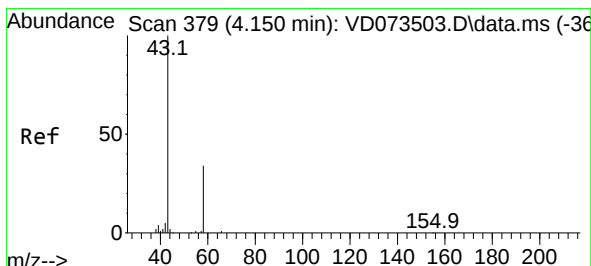
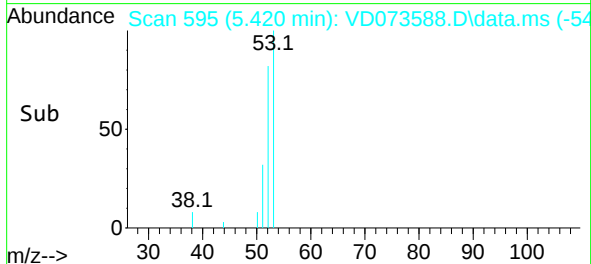
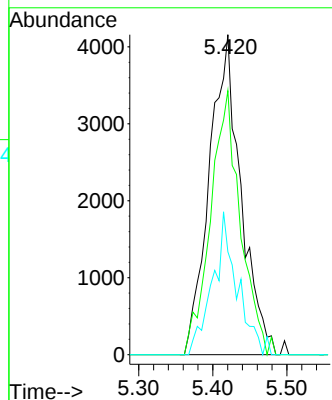
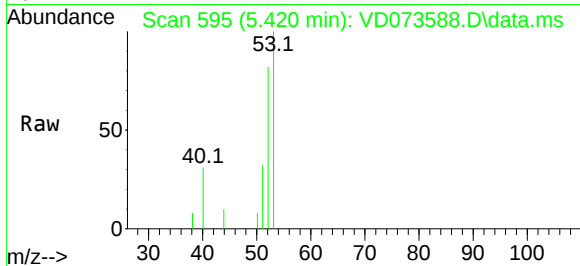




#15
Acrylonitrile
Concen: 21.109 ug/l
RT: 5.420 min Scan# 51
Delta R.T. 0.006 min
Lab File: VD073588.D
Acq: 15 Jun 2022 13:37

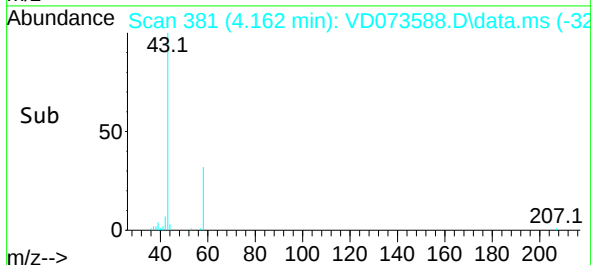
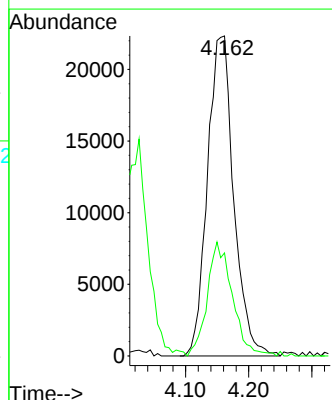
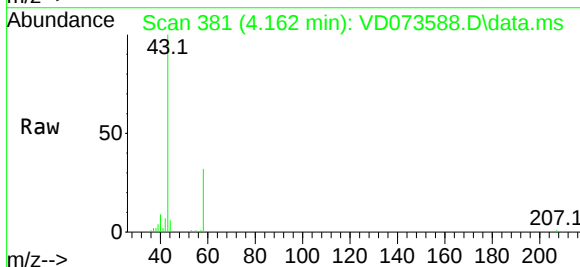
Instrument :
MSVOA_D
ClientSampleId :
30874

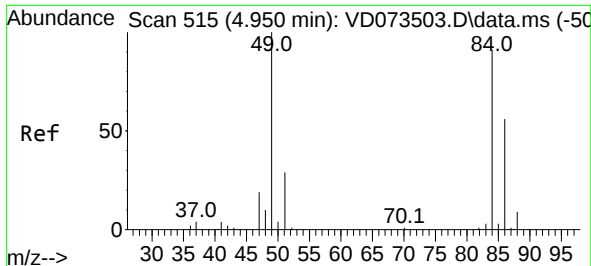
Tgt Ion: 53	Resp: 12313
Ion Ratio	Lower Upper
53 100	
52 78.0	67.2 100.8
51 34.8	30.3 45.5



#16
Acetone
Concen: 135.274 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD073588.D
Acq: 15 Jun 2022 13:37

Tgt Ion: 43	Resp: 64566
Ion Ratio	Lower Upper
43 100	
58 30.8	22.1 33.1

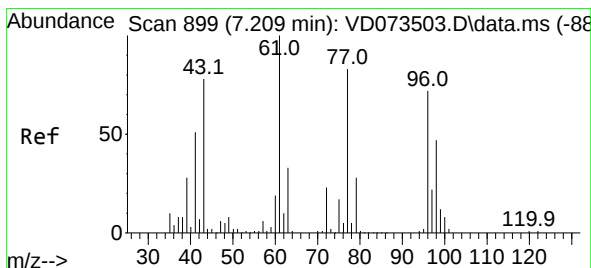
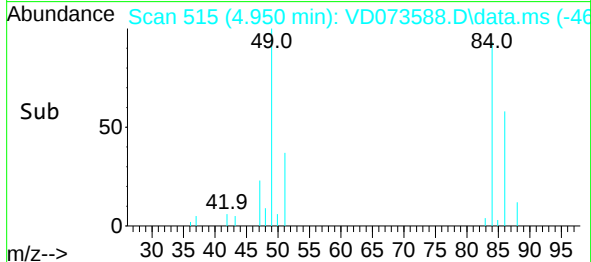
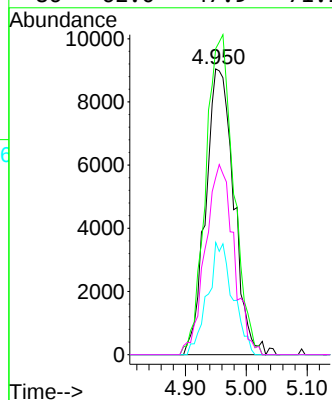
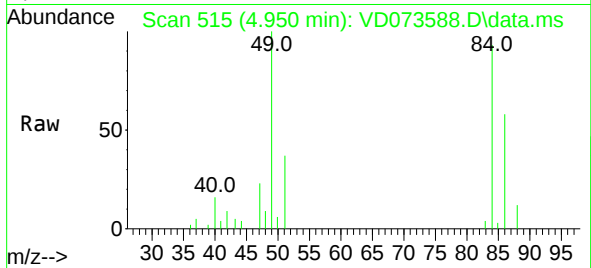




#20
Methylene Chloride
Concen: 6.901 ug/l
RT: 4.950 min Scan# 515
Delta R.T. -0.000 min
Lab File: VD073588.D
Acq: 15 Jun 2022 13:37

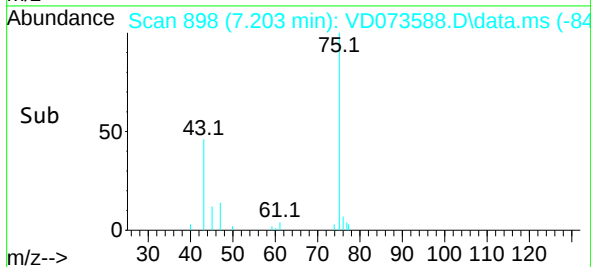
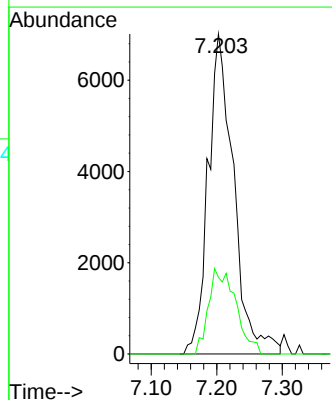
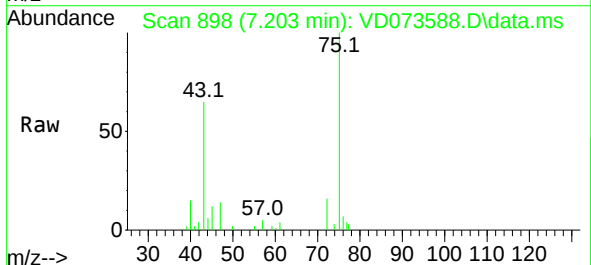
Instrument :
MSVOA_D
ClientSampleId :
30874

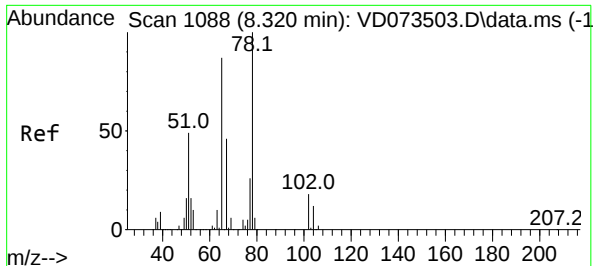
Tgt Ion: 84	Resp: 29060
Ion Ratio	Lower Upper
84	100
49	107.1 112.8 169.2#
51	39.3 32.6 48.8
86	62.0 47.9 71.9



#25
2-Butanone
Concen: 27.004 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD073588.D
Acq: 15 Jun 2022 13:37

Tgt Ion: 43	Resp: 18965
Ion Ratio	Lower Upper
43	100
72	23.9 18.6 27.8





#33

1,2-Dichloroethane-d4

Concen: 56.432 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073588.D

Acq: 15 Jun 2022 13:37

Instrument :

MSVOA_D

ClientSampleId :

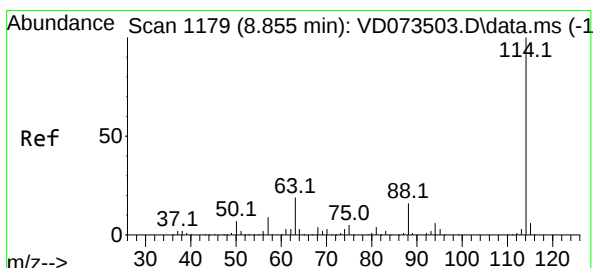
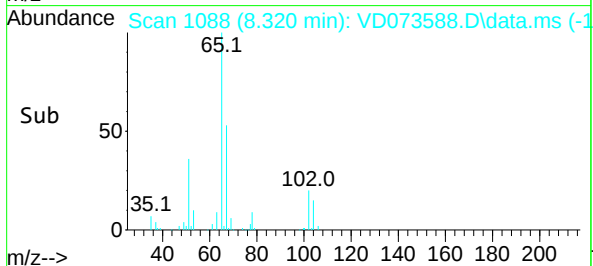
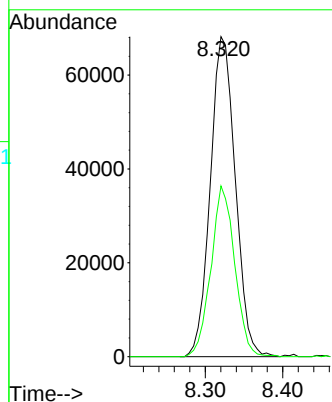
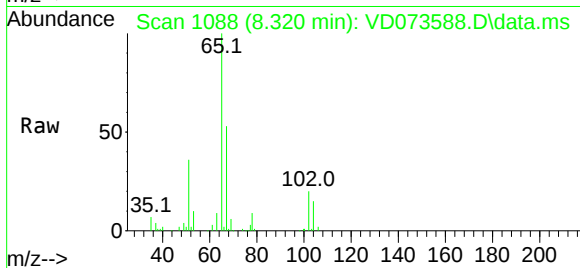
30874

Tgt Ion: 65 Resp: 152973

Ion Ratio Lower Upper

65 100

67 50.8 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: VD073588.D

Acq: 15 Jun 2022 13:37

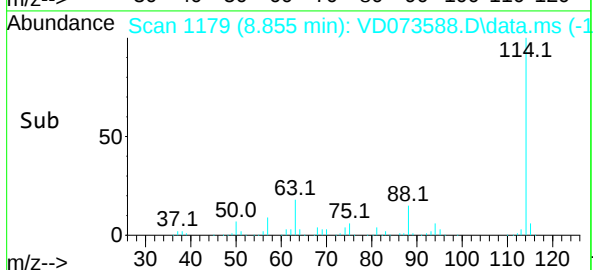
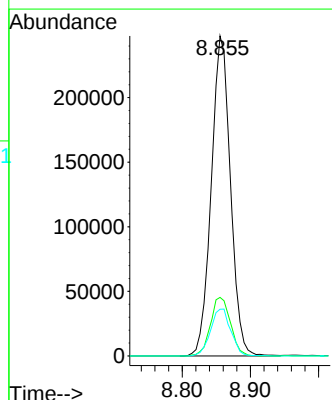
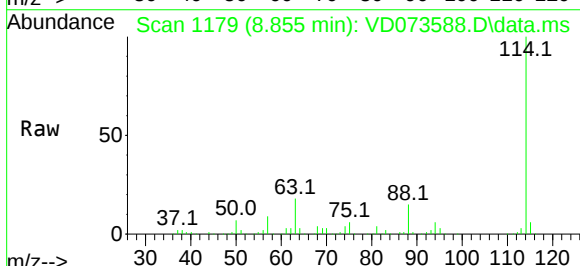
Tgt Ion: 114 Resp: 485460

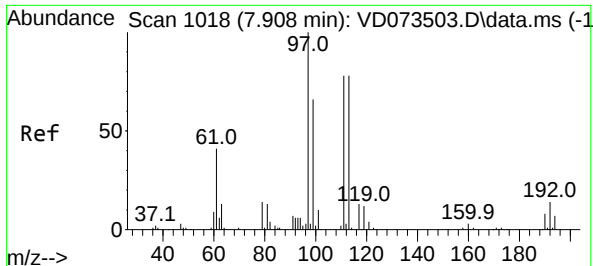
Ion Ratio Lower Upper

114 100

63 18.3 0.0 46.6

88 14.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.996 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073588.D

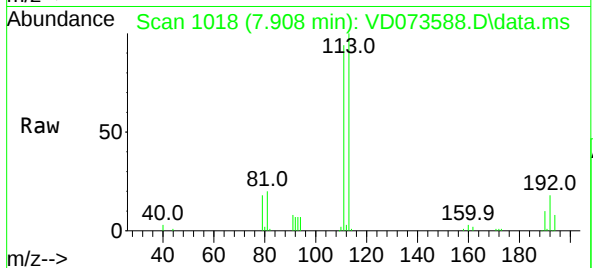
Acq: 15 Jun 2022 13:37

Instrument :

MSVOA_D

ClientSampleId :

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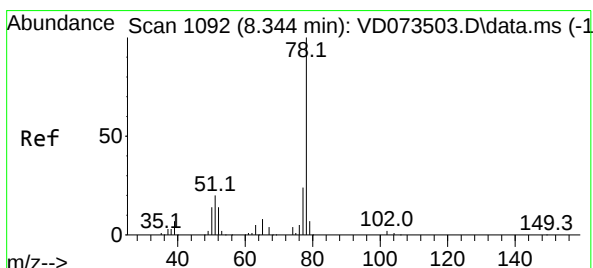
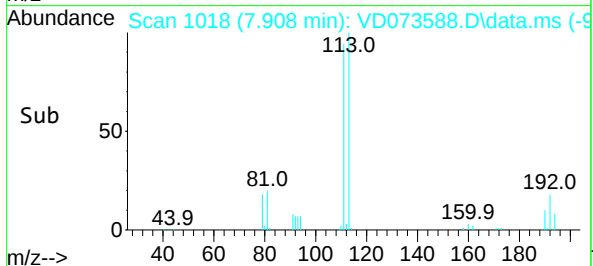
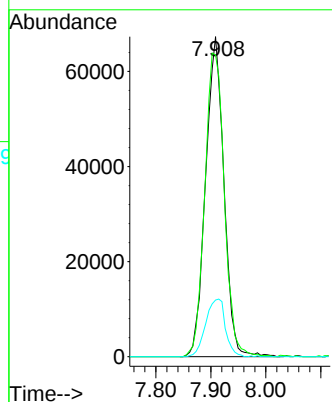
Tgt Ion:113 Resp: 156071

Ion Ratio Lower Upper

113 100

111 101.3 83.8 125.6

192 19.3 14.6 21.8



#40

Benzene

Concen: 3.421 ug/l

RT: 8.344 min Scan# 1092

Delta R.T. -0.000 min

Lab File: VD073588.D

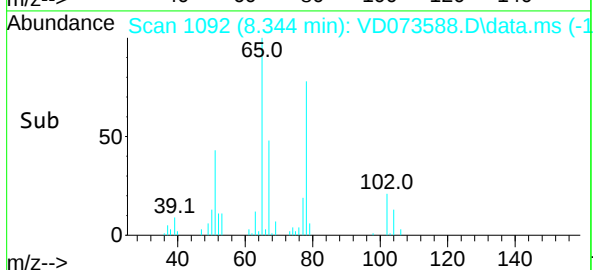
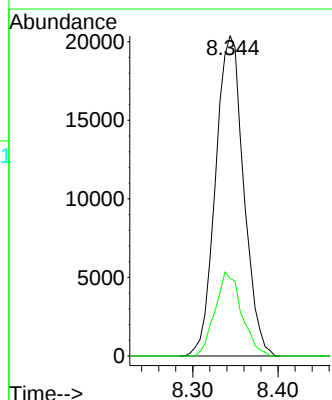
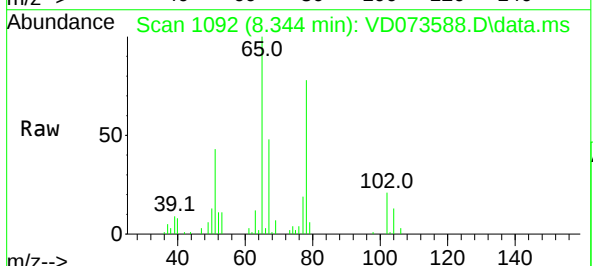
Acq: 15 Jun 2022 13:37

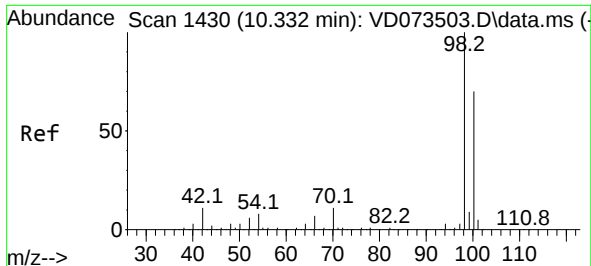
Tgt Ion: 78 Resp: 46653

Ion Ratio Lower Upper

78 100

77 24.3 19.1 28.7

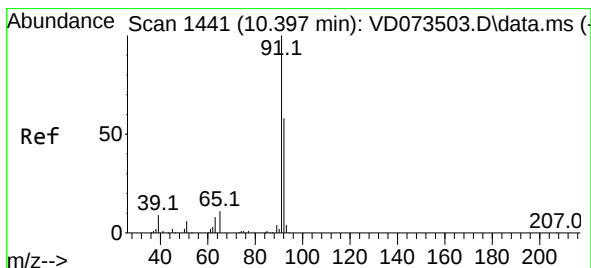
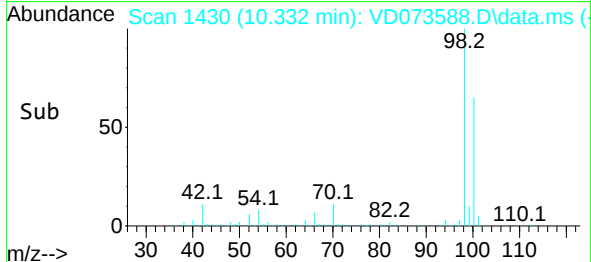
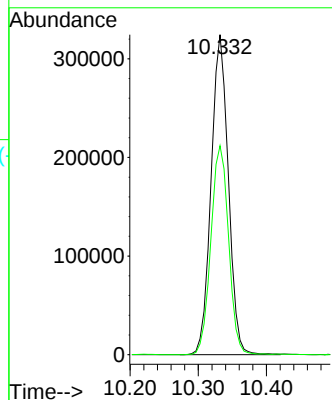
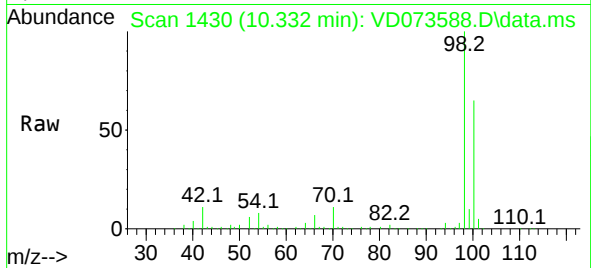




#50
Toluene-d8
Concen: 48.373 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073588.D
Acq: 15 Jun 2022 13:37

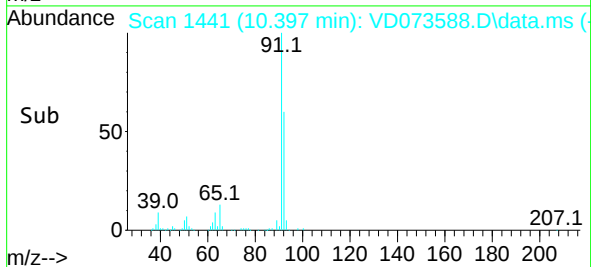
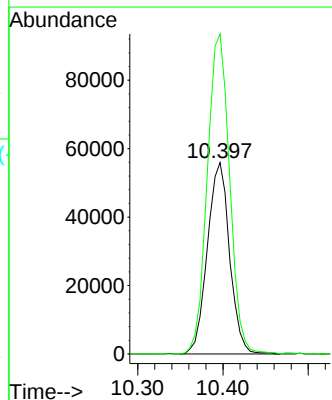
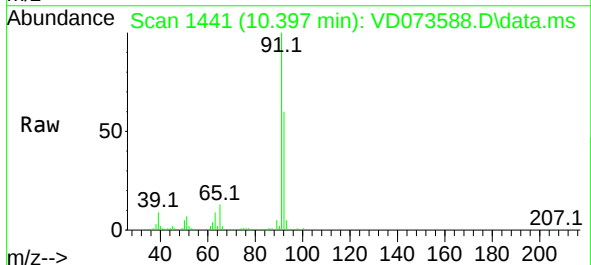
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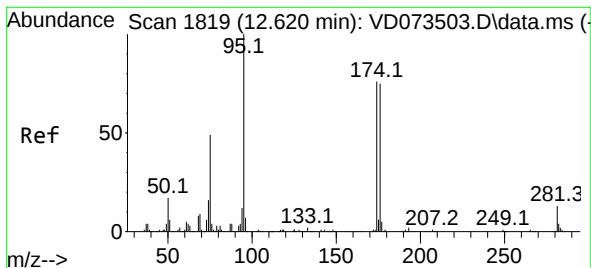
Tgt Ion: 98 Resp: 570931
Ion Ratio Lower Upper
98 100
100 67.0 52.4 78.6



#52
Toluene
Concen: 11.572 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.001 min
Lab File: VD073588.D
Acq: 15 Jun 2022 13:37

Tgt Ion: 92 Resp: 101220
Ion Ratio Lower Upper
92 100
91 168.2 139.6 209.4

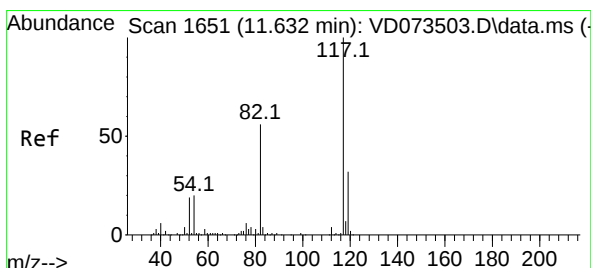
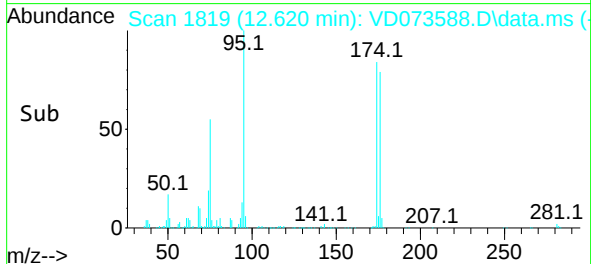
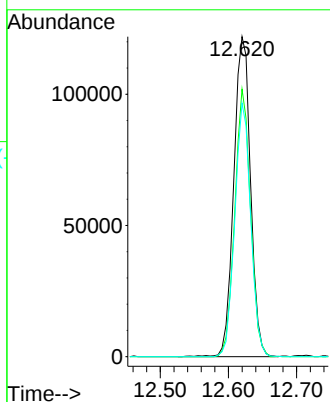
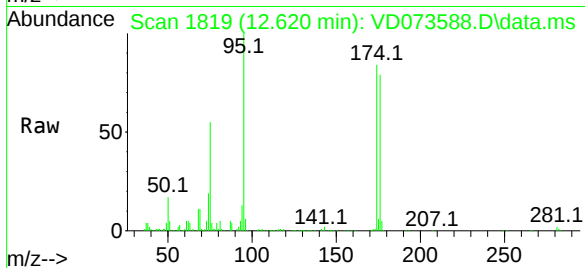




#62
4-Bromofluorobenzene
Concen: 48.603 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073588.D
Acq: 15 Jun 2022 13:37

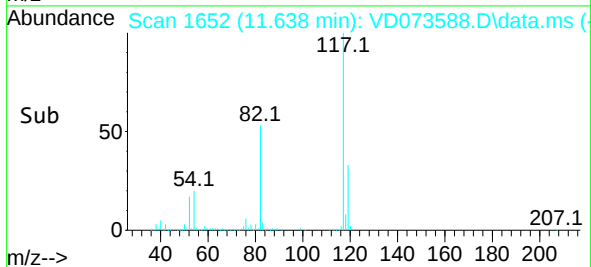
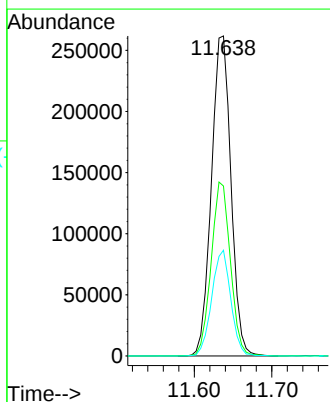
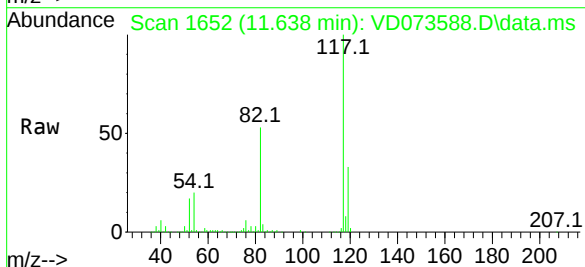
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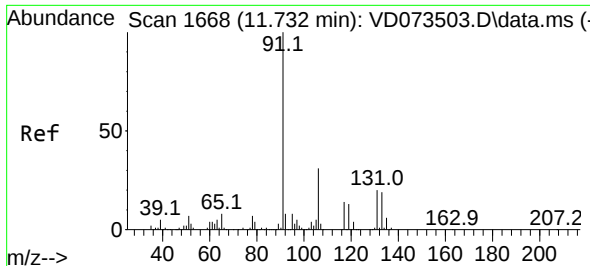
Tgt Ion: 95 Resp: 208248
Ion Ratio Lower Upper
95 100
174 78.9 0.0 152.8
176 75.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.006 min
Lab File: VD073588.D
Acq: 15 Jun 2022 13:37

Tgt Ion: 117 Resp: 459953
Ion Ratio Lower Upper
117 100
82 53.1 45.3 67.9
119 33.1 26.6 40.0

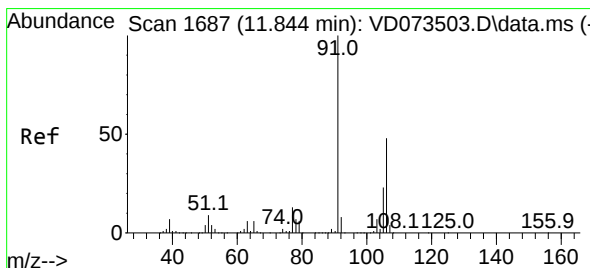
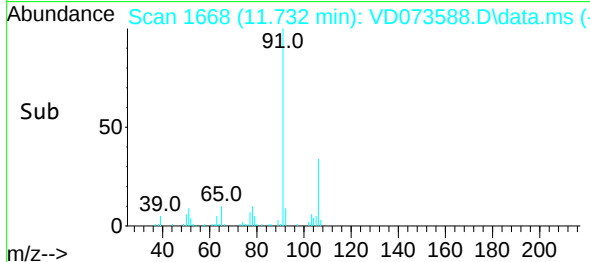
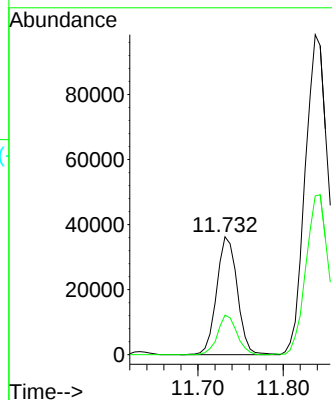
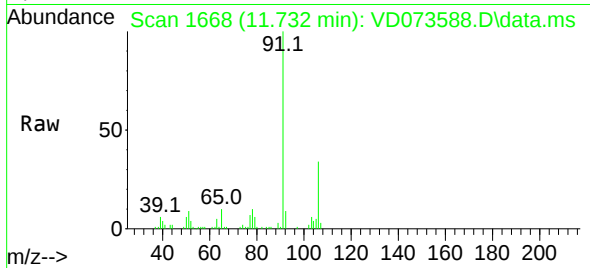




#67
Ethyl Benzene
Concen: 3.687 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VD073588.D
Acq: 15 Jun 2022 13:37

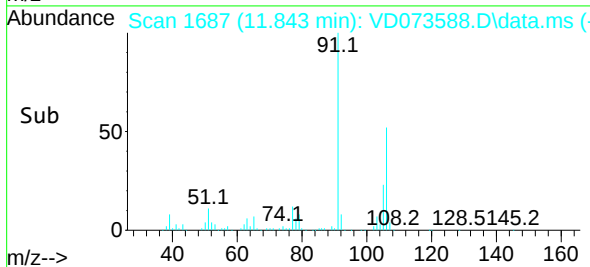
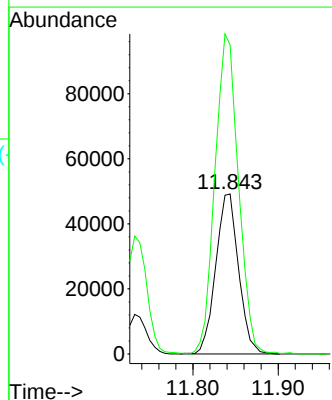
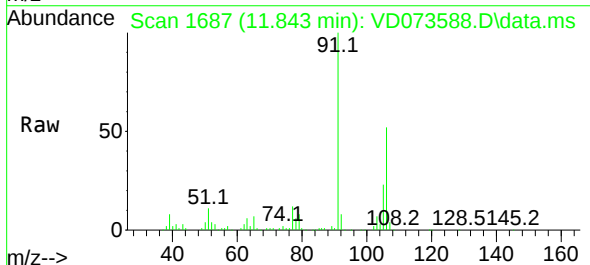
Instrument :
MSVOA_D
ClientSampleId :
30874

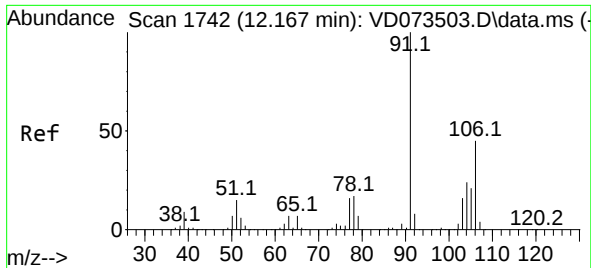
Tgt Ion: 91 Resp: 60971
Ion Ratio Lower Upper
91 100
106 33.6 24.2 36.4



#68
m/p-Xylenes
Concen: 14.118 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.001 min
Lab File: VD073588.D
Acq: 15 Jun 2022 13:37

Tgt Ion: 106 Resp: 91628
Ion Ratio Lower Upper
106 100
91 205.6 163.7 245.5

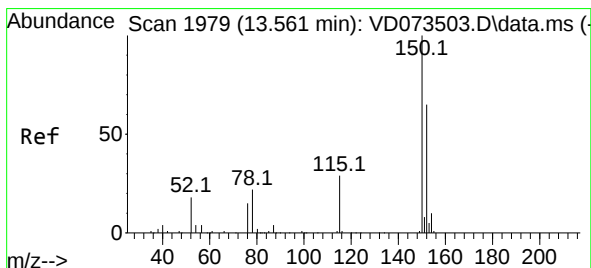
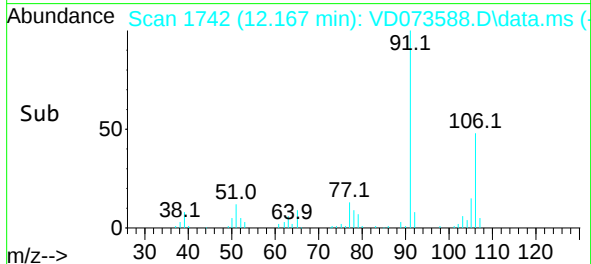
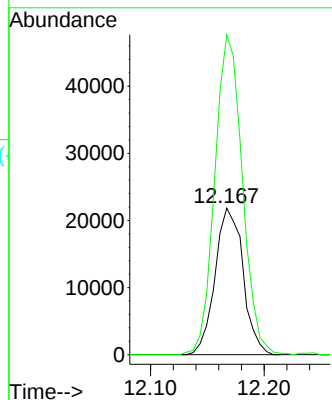
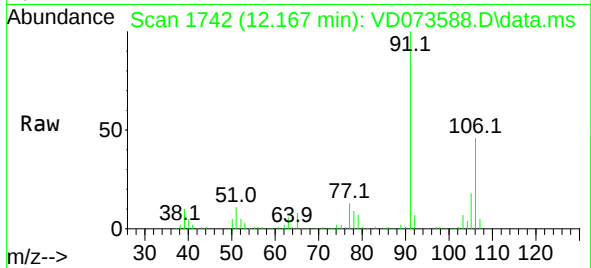




#69
o-Xylene
Concen: 6.258 ug/l
RT: 12.167 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD073588.D
Acq: 15 Jun 2022 13:37

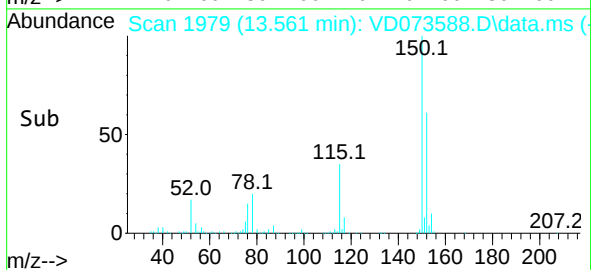
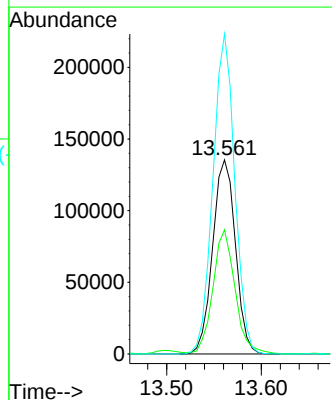
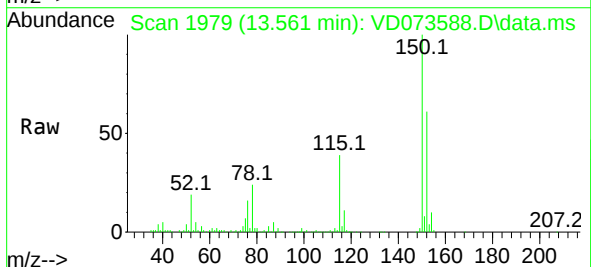
Instrument :
MSVOA_D
ClientSampleId :
30874

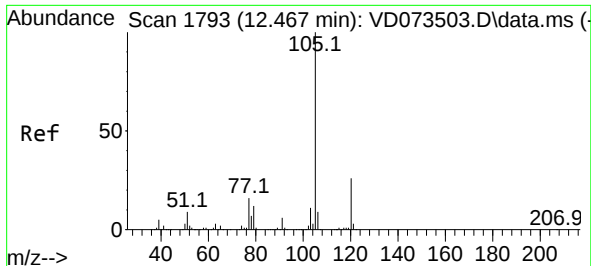
Tgt Ion:106 Resp: 37371
Ion Ratio Lower Upper
106 100
91 215.4 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073588.D
Acq: 15 Jun 2022 13:37

Tgt Ion:152 Resp: 226607
Ion Ratio Lower Upper
152 100
115 62.3 31.3 93.8
150 157.6 0.0 348.6

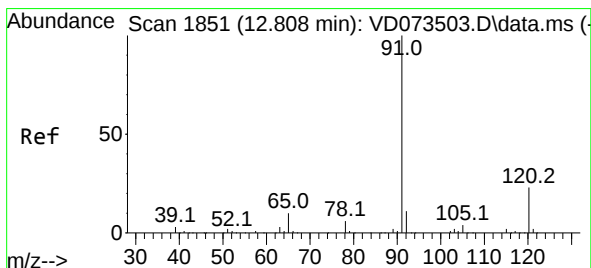
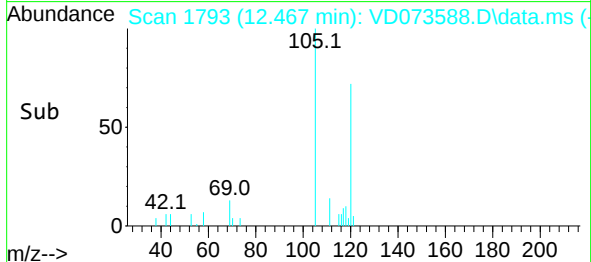
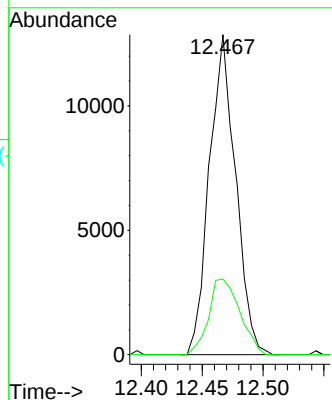
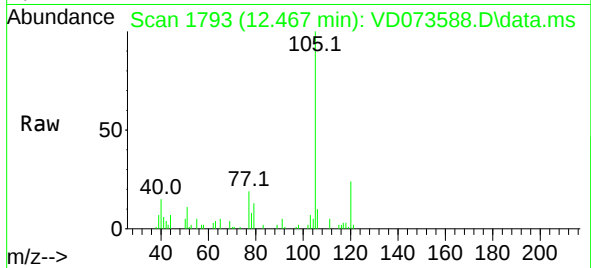




#73
Isopropylbenzene
Concen: 1.228 ug/l
RT: 12.467 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073588.D
Acq: 15 Jun 2022 13:37

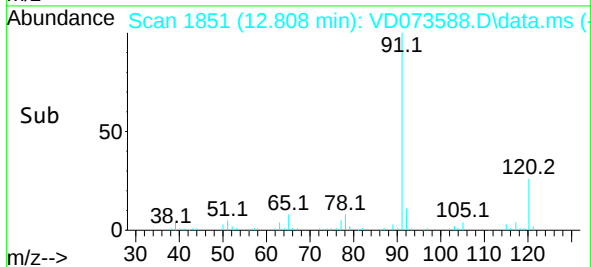
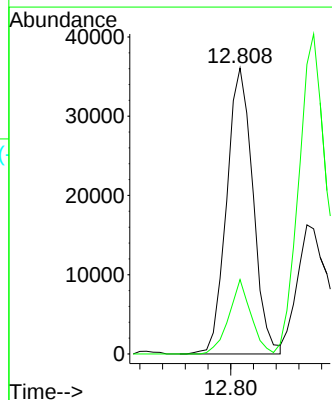
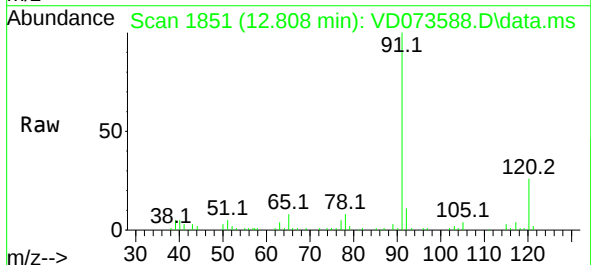
Instrument :
MSVOA_D
ClientSampleId :
30874

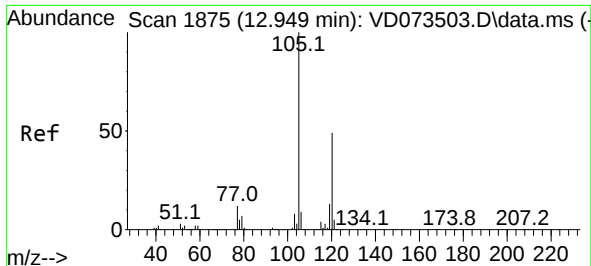
Tgt Ion:105 Resp: 19290
Ion Ratio Lower Upper
105 100
120 28.0 13.0 38.9



#78
n-propylbenzene
Concen: 2.969 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD073588.D
Acq: 15 Jun 2022 13:37

Tgt Ion: 91 Resp: 58049
Ion Ratio Lower Upper
91 100
120 21.9 10.9 32.9

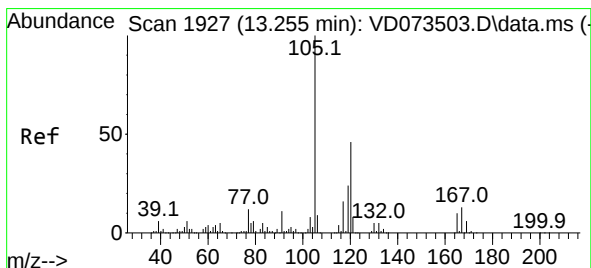
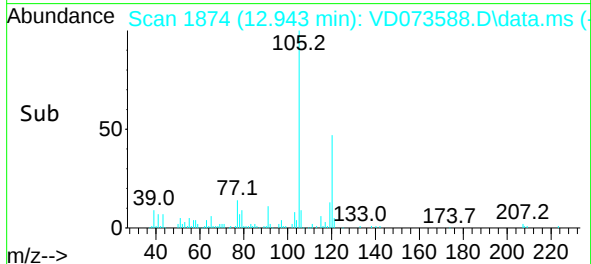
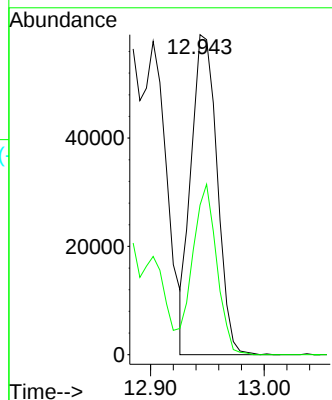
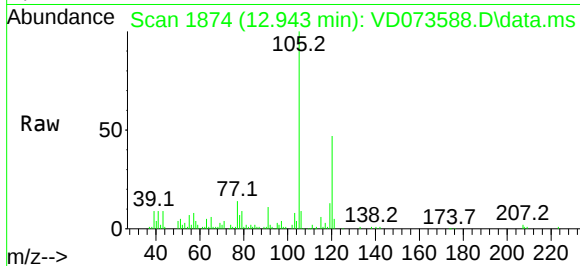




#80
1,3,5-Trimethylbenzene
Concen: 6.933 ug/l
RT: 12.943 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073588.D
Acq: 15 Jun 2022 13:37

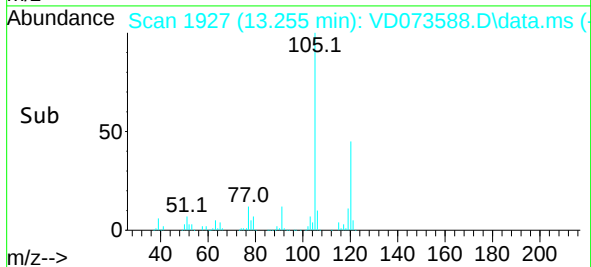
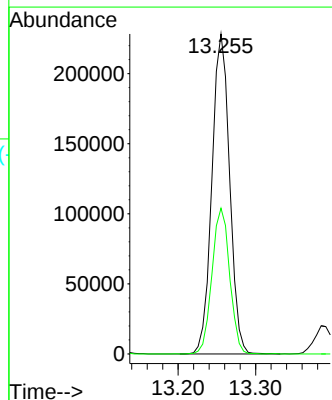
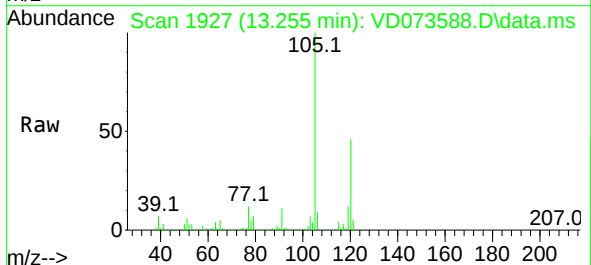
Instrument :
MSVOA_D
ClientSampleId :
30874

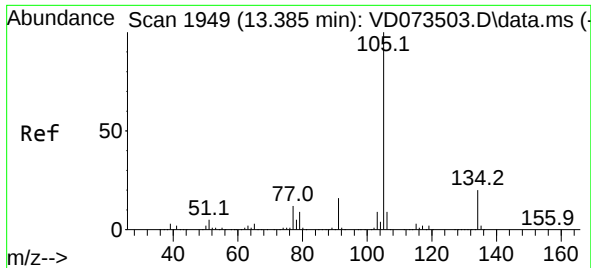
Tgt Ion:105 Resp: 93914
Ion Ratio Lower Upper
105 100
120 50.6 24.3 72.8



#84
1,2,4-Trimethylbenzene
Concen: 26.796 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073588.D
Acq: 15 Jun 2022 13:37

Tgt Ion:105 Resp: 362297
Ion Ratio Lower Upper
105 100
120 45.4 22.3 66.8

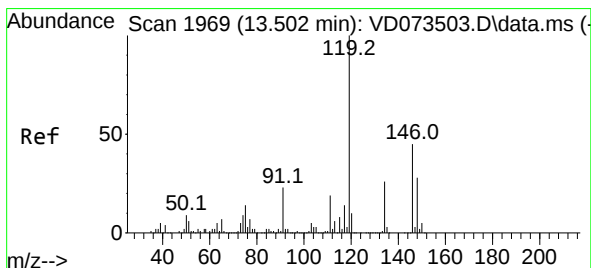
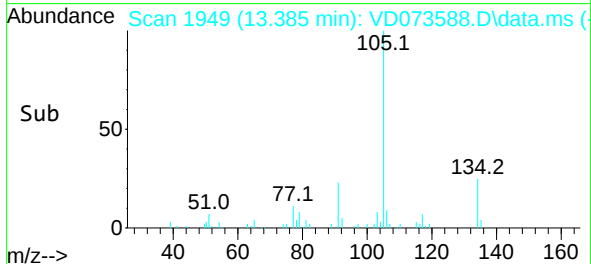
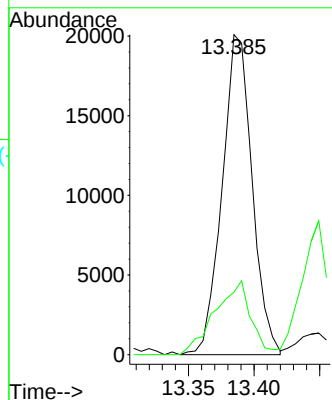
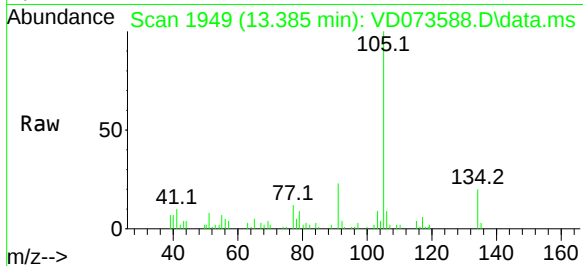




#85
 sec-Butylbenzene
 Concen: 1.862 ug/l
 RT: 13.385 min Scan# 1949
 Delta R.T. -0.000 min
 Lab File: VD073588.D
 Acq: 15 Jun 2022 13:37

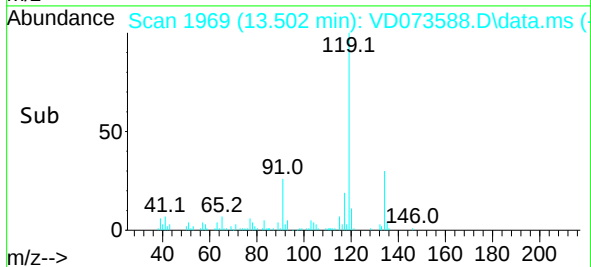
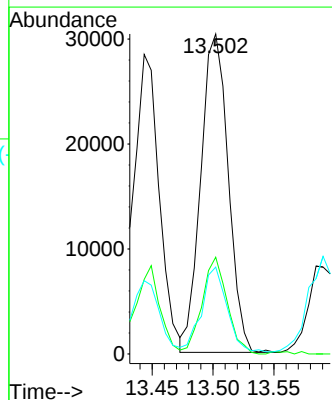
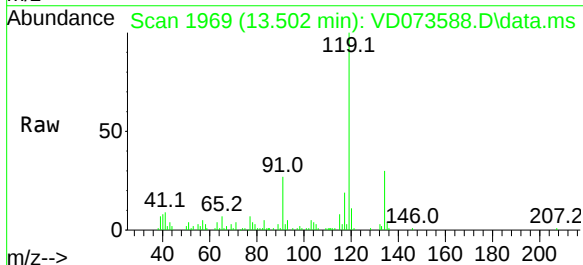
Instrument :
 MSVOA_D
 ClientSampleId :
 30874

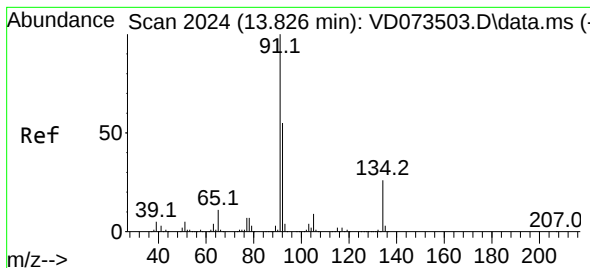
Tgt Ion:105 Resp: 31938
 Ion Ratio Lower Upper
 105 100
 134 27.5 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 3.327 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD073588.D
 Acq: 15 Jun 2022 13:37

Tgt Ion:119 Resp: 47567
 Ion Ratio Lower Upper
 119 100
 134 27.8 12.9 38.6
 91 24.4 12.1 36.3





#89

n-Butylbenzene

Concen: 3.513 ug/l

RT: 13.826 min Scan# 20

Delta R.T. -0.000 min

Lab File: VD073588.D

Acq: 15 Jun 2022 13:37

Instrument :

MSVOA_D

ClientSampleId :

30874

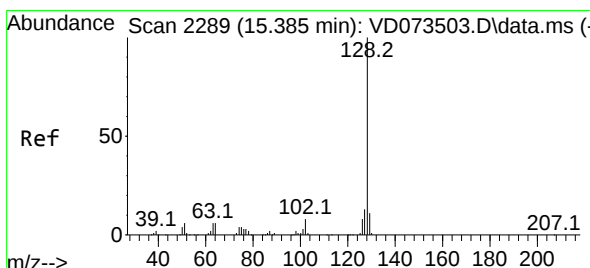
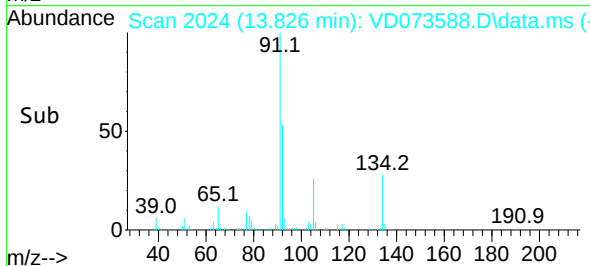
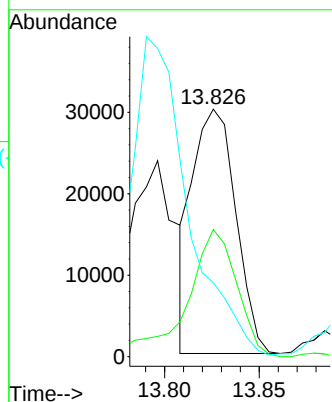
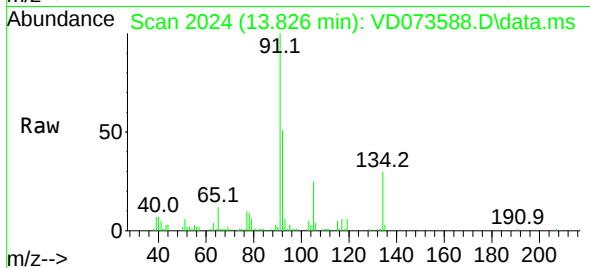
Tgt Ion: 91 Resp: 47382

Ion Ratio Lower Upper

91 100

92 59.4 26.6 79.8

134 0.0 12.3 36.9#



#95

Naphthalene

Concen: 10.316 ug/l

RT: 15.379 min Scan# 2288

Delta R.T. -0.006 min

Lab File: VD073588.D

Acq: 15 Jun 2022 13:37

Tgt Ion:128 Resp: 54621

Ion Ratio Lower Upper

128 100

127 14.2 10.3 15.5

129 11.7 8.4 12.6

