

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
 Data File : VD072199.D
 Acq On : 15 Mar 2022 20:05
 Operator : VA/SY
 Sample : N1908-09
 Misc : 4.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Mar 16 01:03:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

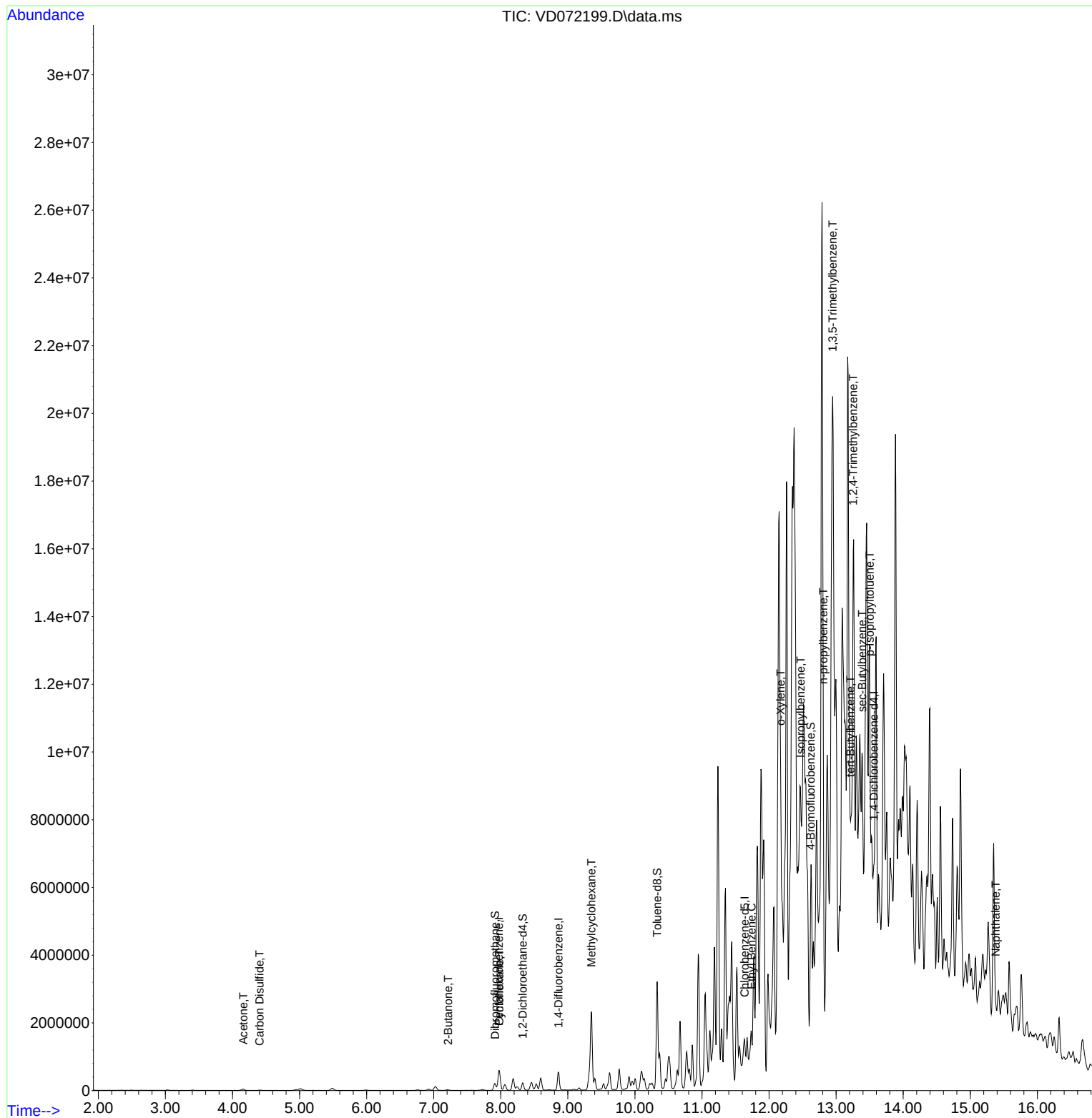
Internal Standards						
1) Pentafluorobenzene	7.973	168	260187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	463629	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	481018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	315556	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	163355	56.336	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 112.680%		
35) Dibromofluoromethane	7.914	113	148819	45.614	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 91.220%		
50) Toluene-d8	10.332	98	697171	58.440	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	= 116.880%		
62) 4-Bromofluorobenzene	12.620	95	535484	115.522	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	= 231.040%#		
Target Compounds						Qvalue
16) Acetone	4.162	43	71657	113.819	ug/l	97
17) Carbon Disulfide	4.403	76	19163	4.833	ug/l	99
25) 2-Butanone	7.214	43	24260	28.901	ug/l	96
31) Cyclohexane	7.979	56	142529	31.462	ug/l	95
39) Methylcyclohexane	9.350	83	964169	187.200	ug/l	99
67) Ethyl Benzene	11.738	91	407552	21.398	ug/l	96
69) o-Xylene	12.173	106	962138	139.083	ug/l	100
73) Isopropylbenzene	12.473	105	1262174	50.474	ug/l	99
78) n-propylbenzene	12.808	91	2204182	72.568	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	984936	45.848	ug/l	98
83) tert-Butylbenzene	13.214	119	163080	8.659	ug/l	81
84) 1,2,4-Trimethylbenzene	13.255	105	5913703	279.377	ug/l	97
85) sec-Butylbenzene	13.390	105	1465118	51.800	ug/l	# 74
86) p-Isopropyltoluene	13.502	119	1004954	43.179	ug/l	100
95) Naphthalene	15.379	128	282815	24.096	ug/l	# 81

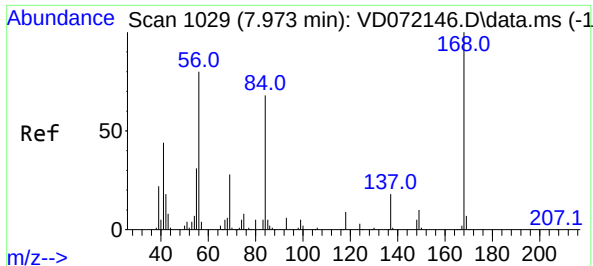
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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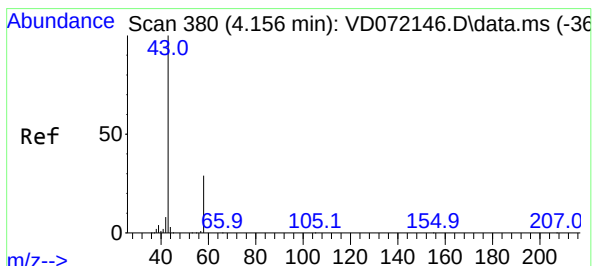
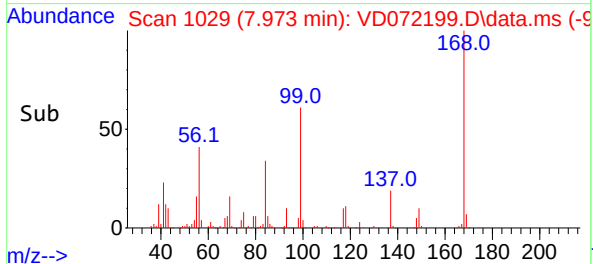
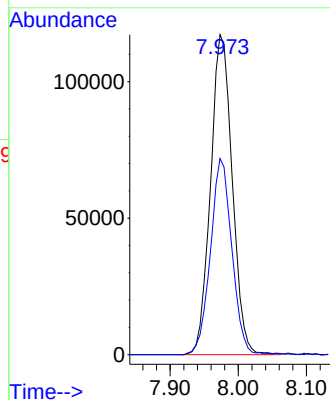
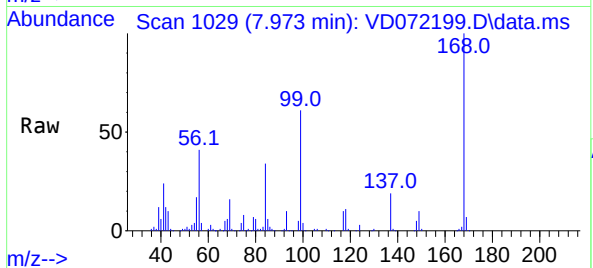




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072199.D
Acq: 15 Mar 2022 20:05

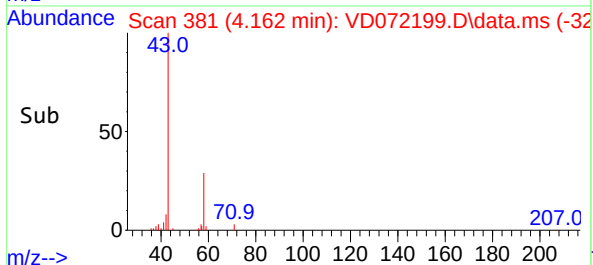
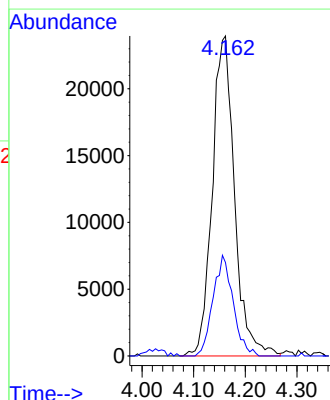
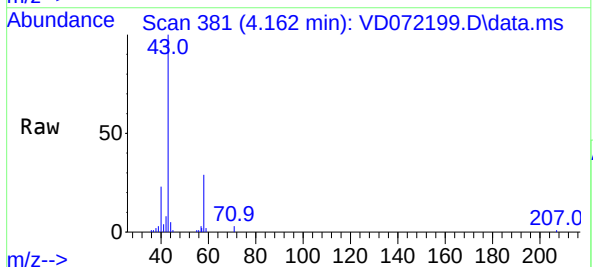
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1b

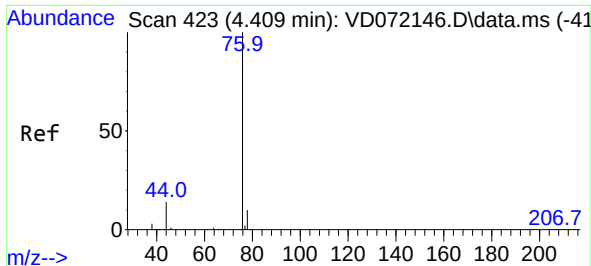
Tgt Ion:168 Resp: 260187
Ion Ratio Lower Upper
168 100
99 61.3 49.8 74.6



#16
Acetone
Concen: 113.819 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072199.D
Acq: 15 Mar 2022 20:05

Tgt Ion: 43 Resp: 71657
Ion Ratio Lower Upper
43 100
58 29.2 22.1 33.1

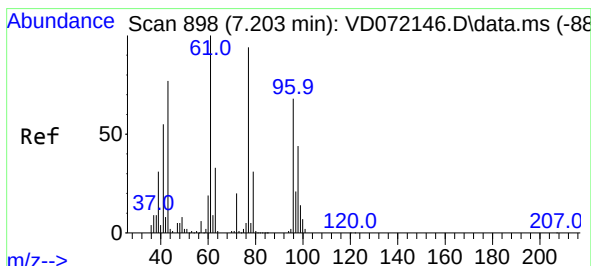
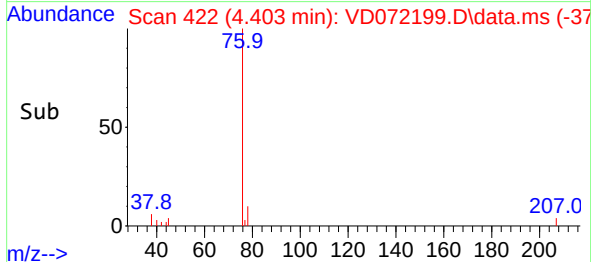
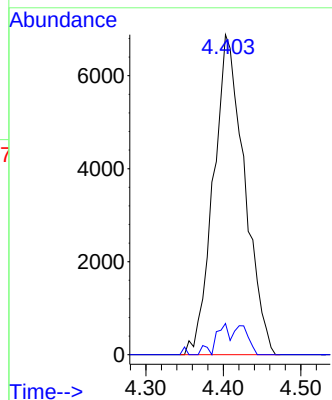
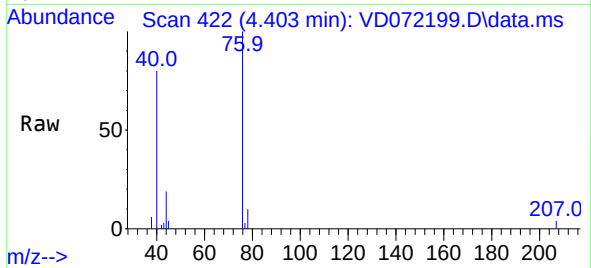




#17
Carbon Disulfide
Concen: 4.833 ug/l
RT: 4.403 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD072199.D
Acq: 15 Mar 2022 20:05

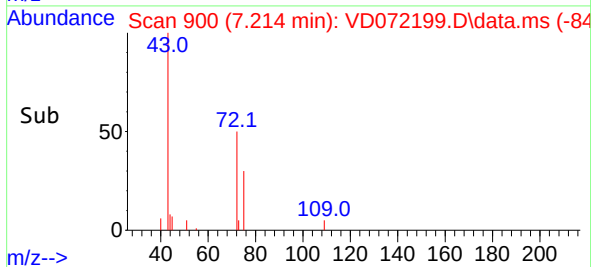
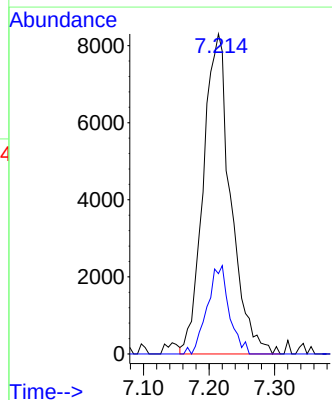
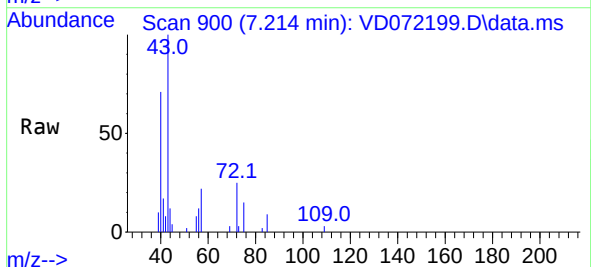
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1b

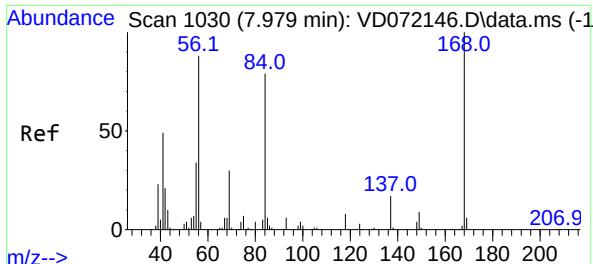
Tgt Ion: 76 Resp: 19163
Ion Ratio Lower Upper
76 100
78 9.7 7.5 11.3



#25
2-Butanone
Concen: 28.901 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.012 min
Lab File: VD072199.D
Acq: 15 Mar 2022 20:05

Tgt Ion: 43 Resp: 24260
Ion Ratio Lower Upper
43 100
72 25.1 18.6 27.8





#31

Cyclohexane

Concen: 31.462 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD072199.D

Acq: 15 Mar 2022 20:05

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1b

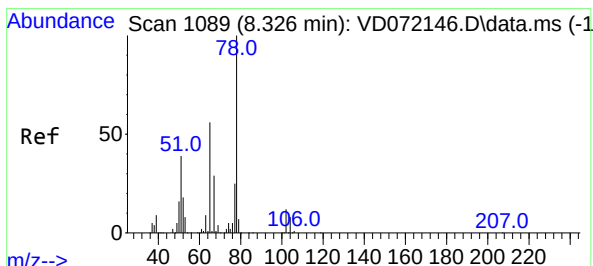
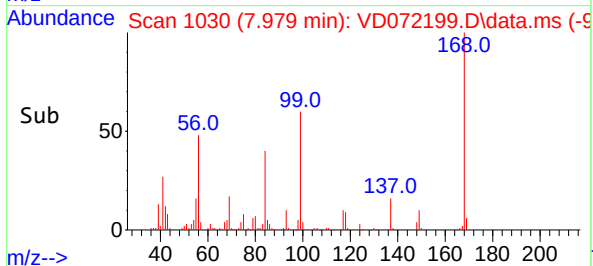
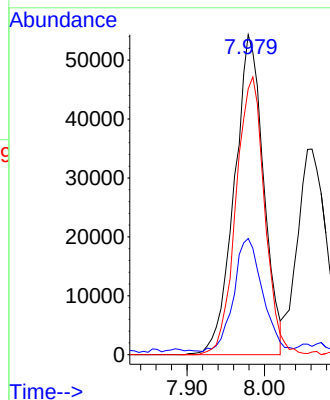
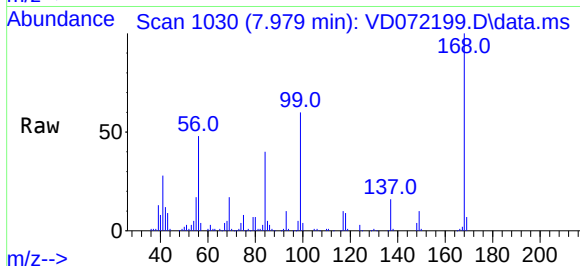
Tgt Ion: 56 Resp: 142529

Ion Ratio Lower Upper

56 100

69 34.7 25.4 38.2

84 83.1 63.0 94.4



#33

1,2-Dichloroethane-d4

Concen: 56.336 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072199.D

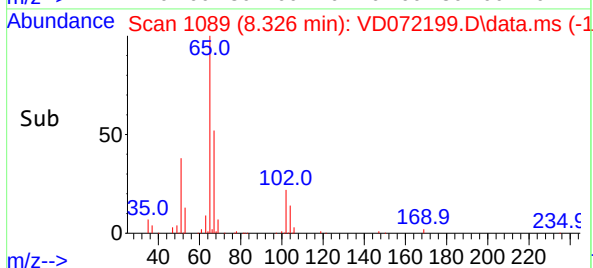
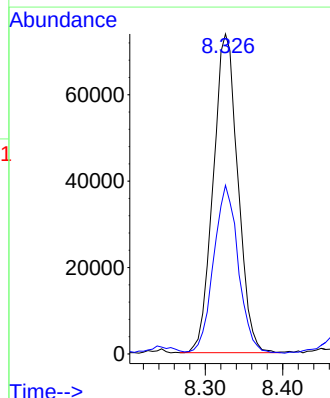
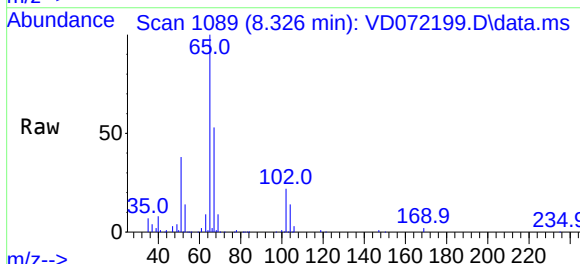
Acq: 15 Mar 2022 20:05

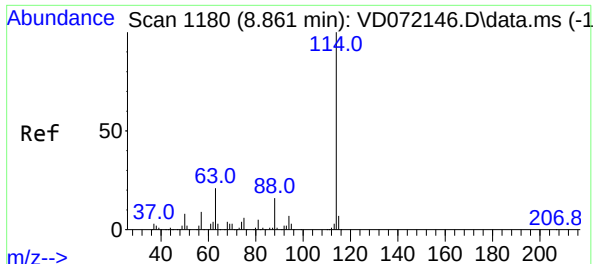
Tgt Ion: 65 Resp: 163355

Ion Ratio Lower Upper

65 100

67 52.7 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072199.D

Acq: 15 Mar 2022 20:05

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1b

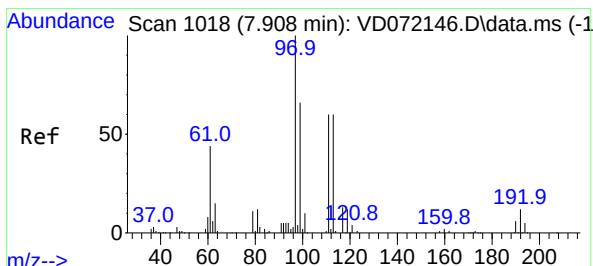
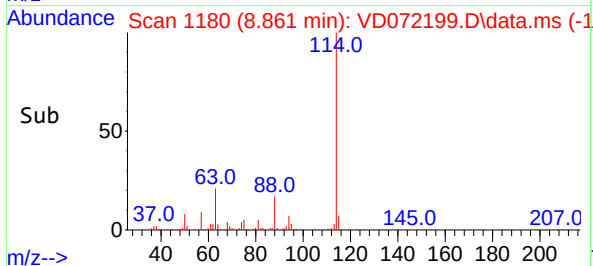
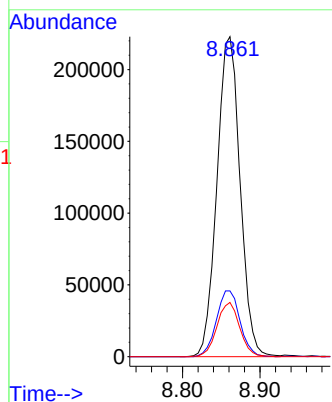
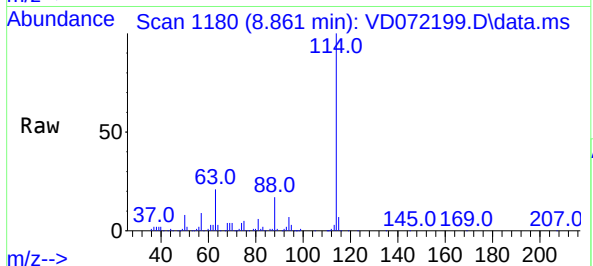
Tgt Ion:114 Resp: 463629

Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 17.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 45.614 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072199.D

Acq: 15 Mar 2022 20:05

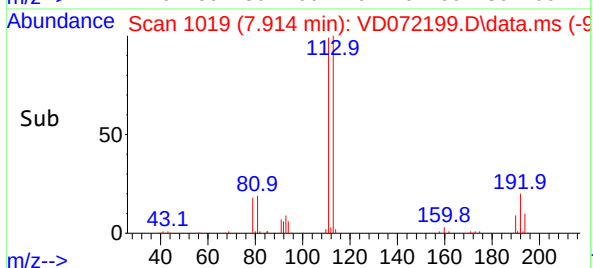
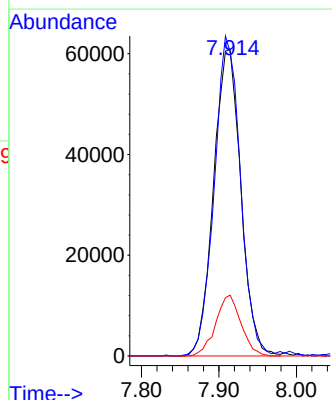
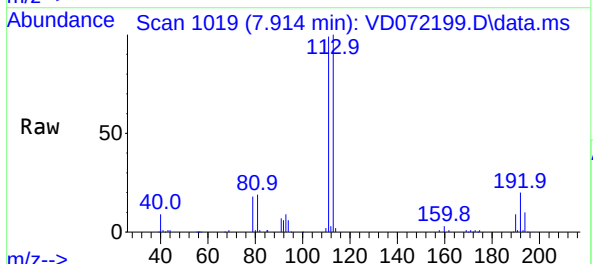
Tgt Ion:113 Resp: 148819

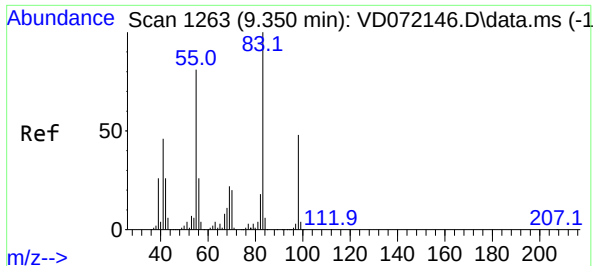
Ion Ratio Lower Upper

113 100

111 100.2 83.8 125.6

192 18.5 14.6 21.8





#39

Methylcyclohexane

Concen: 187.200 ug/l

RT: 9.350 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD072199.D

Acq: 15 Mar 2022 20:05

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1b

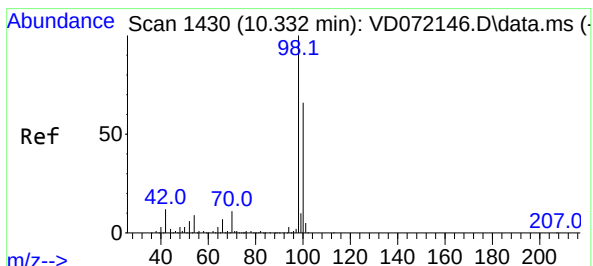
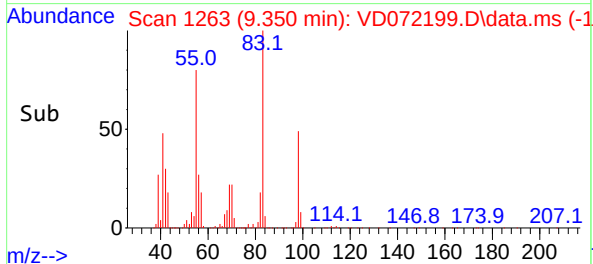
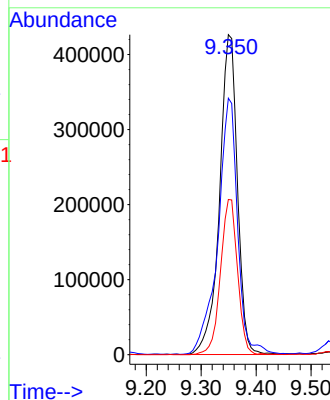
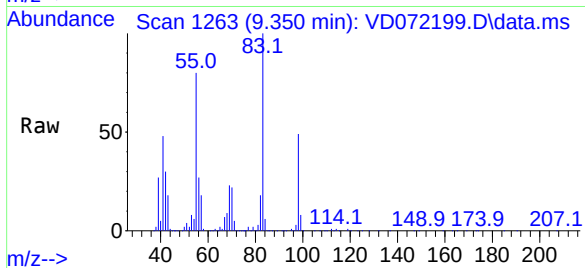
Tgt Ion: 83 Resp: 964169

Ion Ratio Lower Upper

83 100

55 80.1 63.2 94.8

98 48.6 38.2 57.4



#50

Toluene-d8

Concen: 58.440 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD072199.D

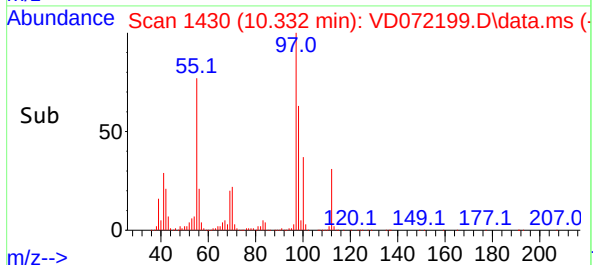
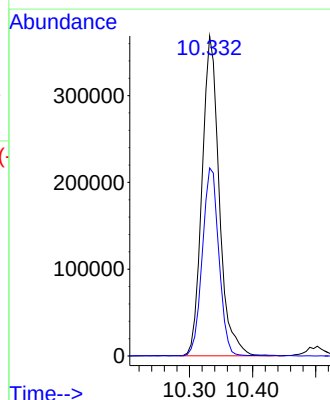
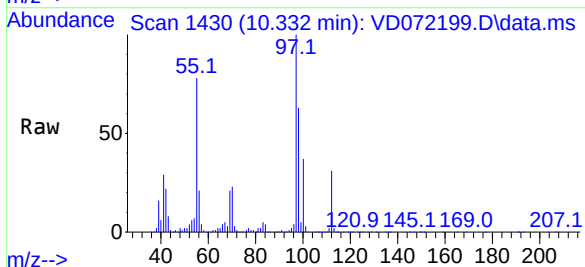
Acq: 15 Mar 2022 20:05

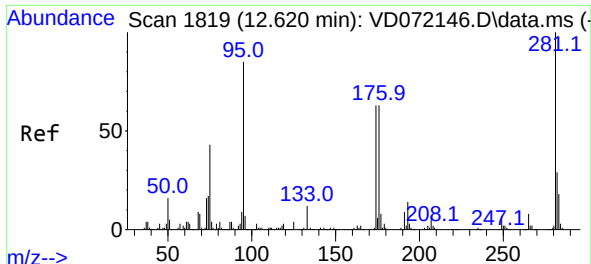
Tgt Ion: 98 Resp: 697171

Ion Ratio Lower Upper

98 100

100 56.6 52.4 78.6

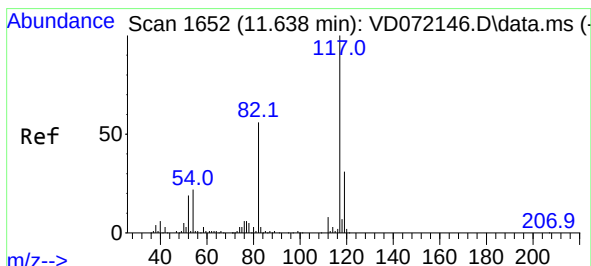
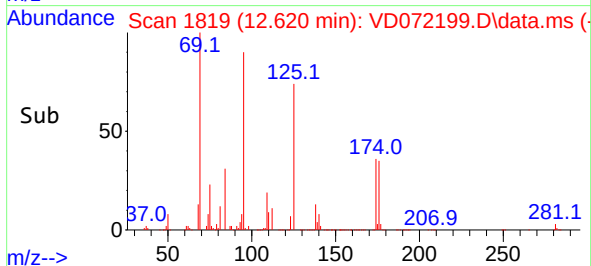
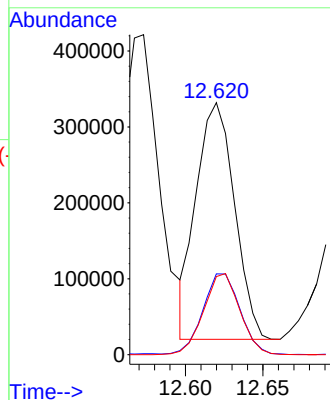
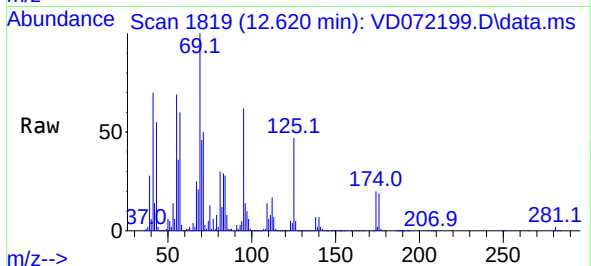




#62
4-Bromofluorobenzene
Concen: 115.522 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072199.D
Acq: 15 Mar 2022 20:05

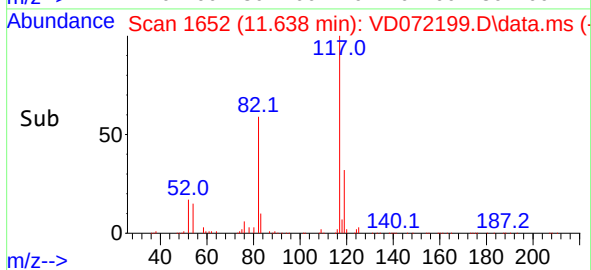
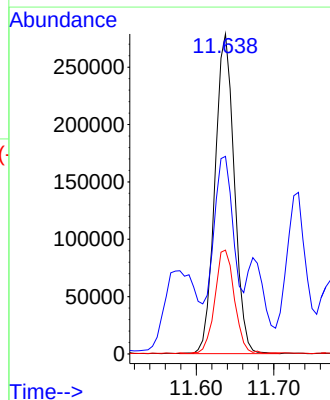
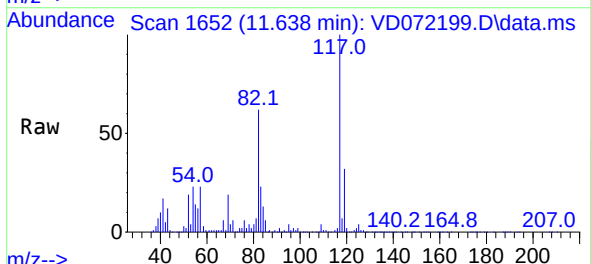
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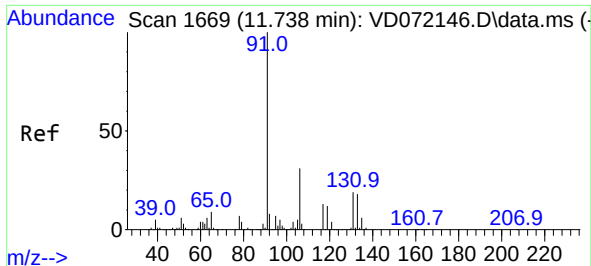
Tgt Ion: 95 Resp: 535484
Ion Ratio Lower Upper
95 100
174 33.1 0.0 152.8
176 32.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072199.D
Acq: 15 Mar 2022 20:05

Tgt Ion: 117 Resp: 481018
Ion Ratio Lower Upper
117 100
82 48.9 45.3 67.9
119 32.2 26.6 40.0

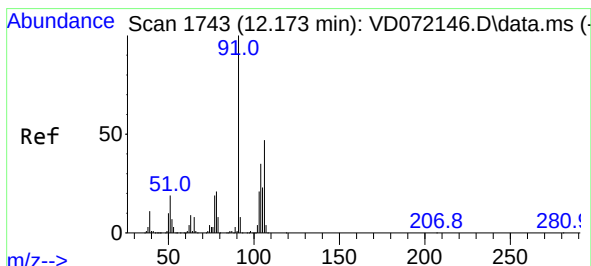
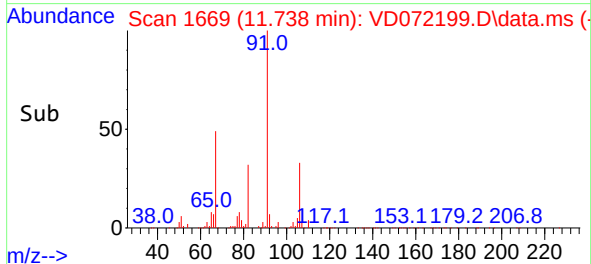
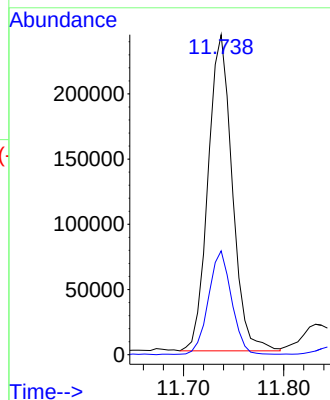
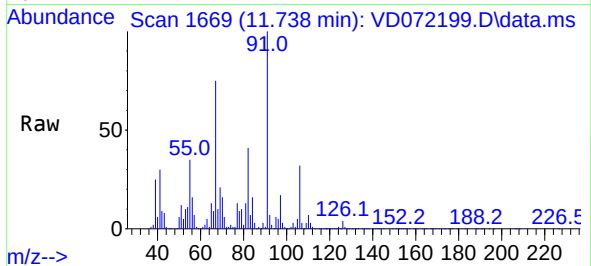




#67
Ethyl Benzene
Concen: 21.398 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072199.D
Acq: 15 Mar 2022 20:05

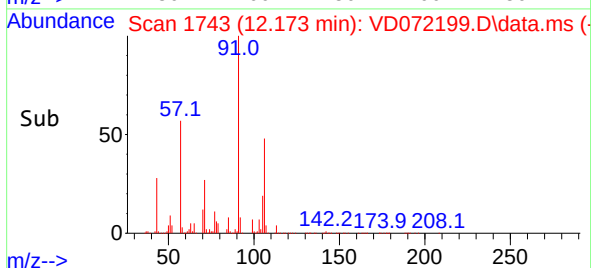
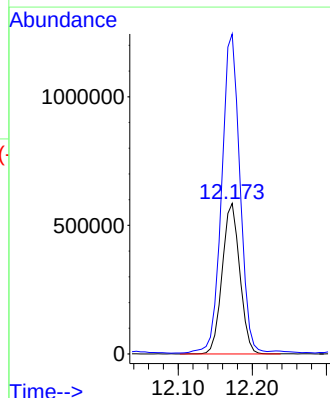
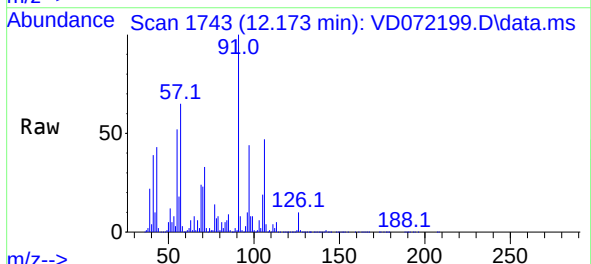
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1b

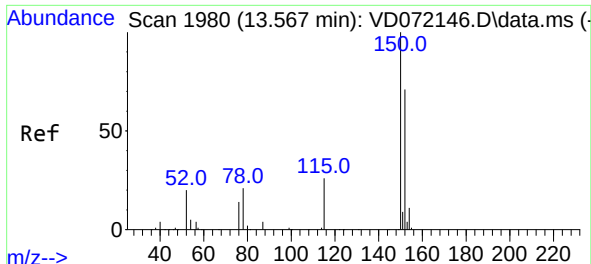
Tgt Ion: 91 Resp: 407552
Ion Ratio Lower Upper
91 100
106 32.7 24.2 36.4



#69
o-Xylene
Concen: 139.083 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD072199.D
Acq: 15 Mar 2022 20:05

Tgt Ion: 106 Resp: 962138
Ion Ratio Lower Upper
106 100
91 220.2 110.4 331.2

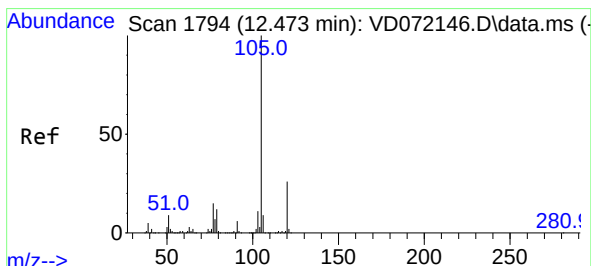
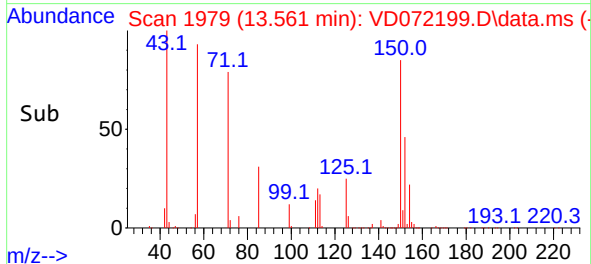
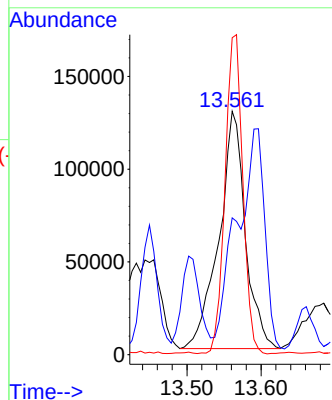
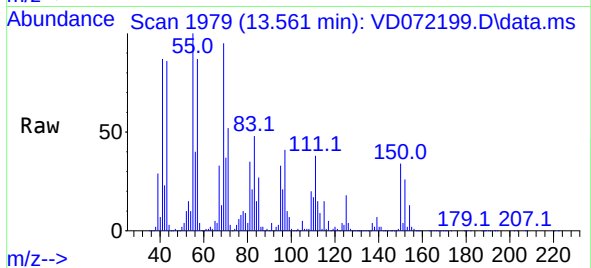




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072199.D
Acq: 15 Mar 2022 20:05

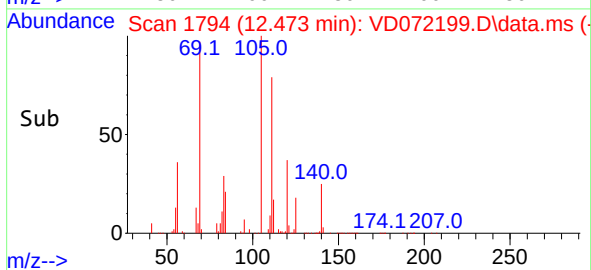
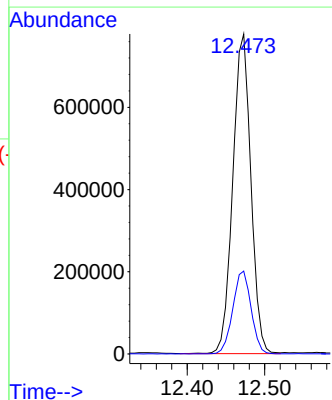
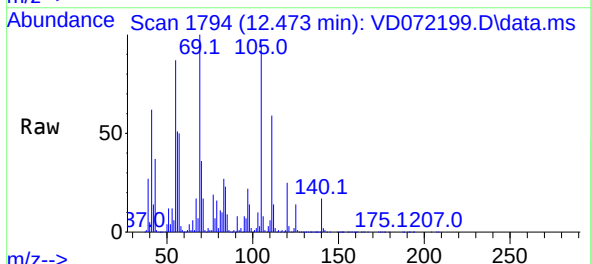
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1b

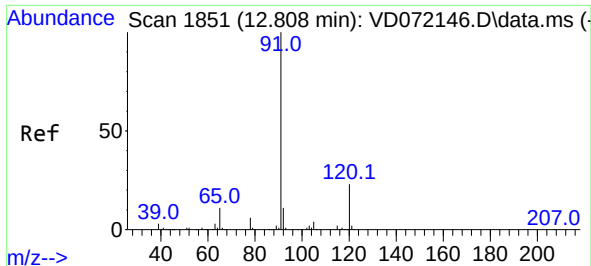
Tgt Ion:152 Resp: 315556
Ion Ratio Lower Upper
152 100
115 0.0 31.3 93.8#
150 90.5 0.0 348.6



#73
Isopropylbenzene
Concen: 50.474 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD072199.D
Acq: 15 Mar 2022 20:05

Tgt Ion:105 Resp: 1262174
Ion Ratio Lower Upper
105 100
120 26.2 13.0 38.9

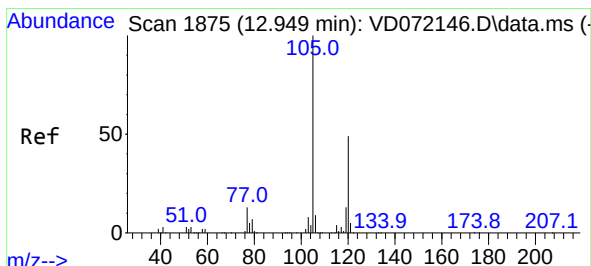
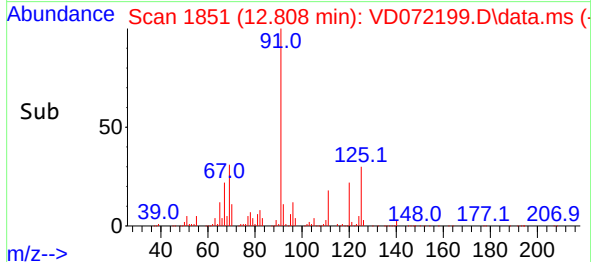
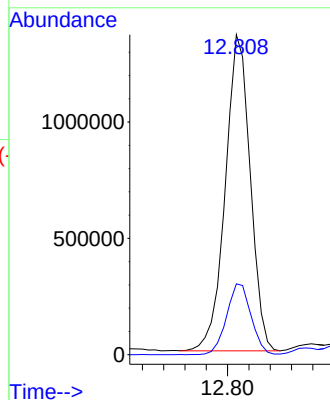
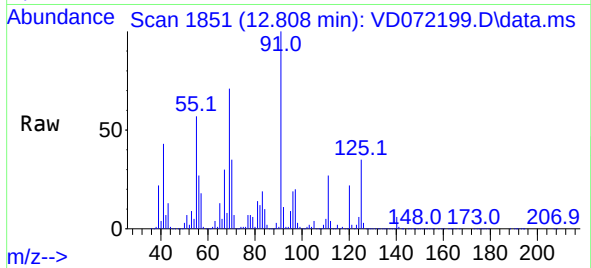




#78
n-propylbenzene
Concen: 72.568 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VD072199.D
Acq: 15 Mar 2022 20:05

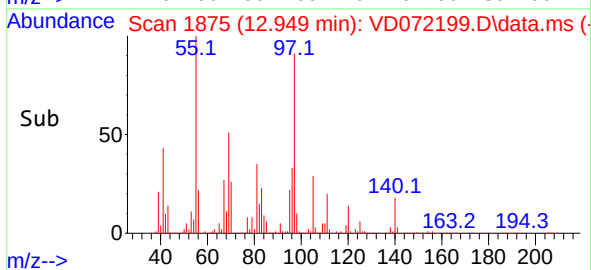
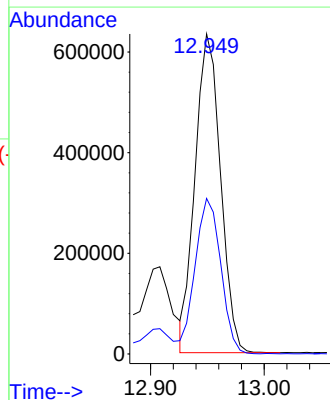
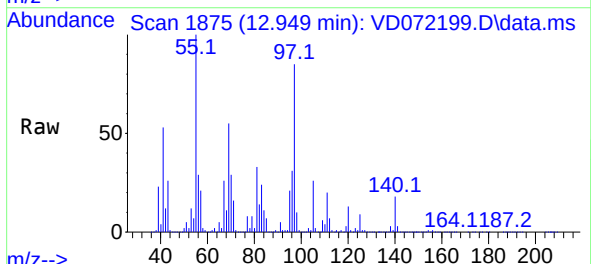
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1b

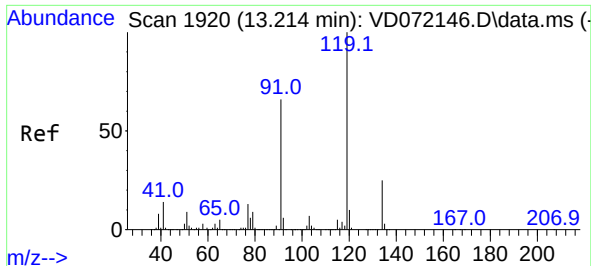
Tgt Ion: 91 Resp: 2204182
Ion Ratio Lower Upper
91 100
120 22.1 10.9 32.9



#80
1,3,5-Trimethylbenzene
Concen: 45.848 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD072199.D
Acq: 15 Mar 2022 20:05

Tgt Ion:105 Resp: 984936
Ion Ratio Lower Upper
105 100
120 49.9 24.3 72.8

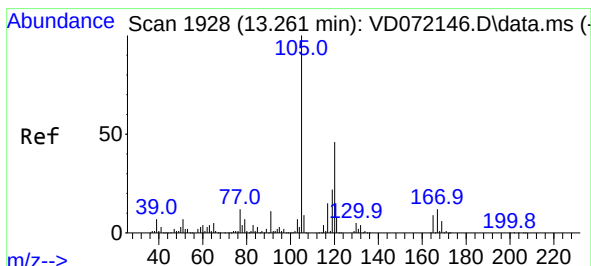
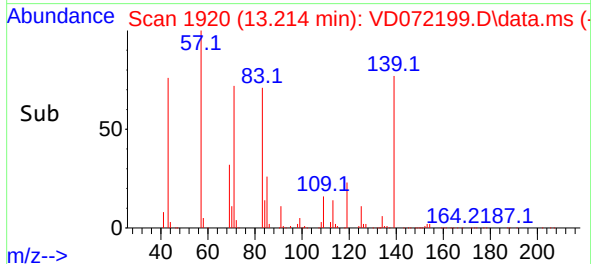
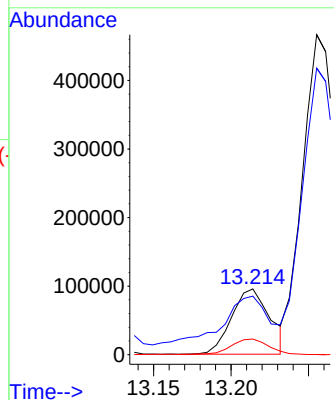
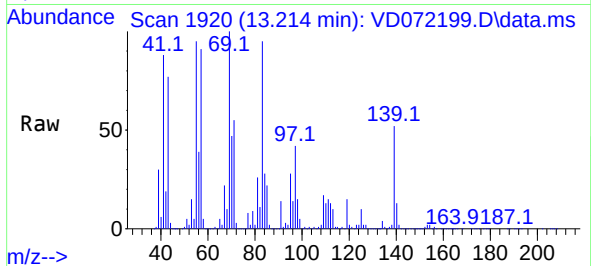




#83
tert-Butylbenzene
Concen: 8.659 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. -0.000 min
Lab File: VD072199.D
Acq: 15 Mar 2022 20:05

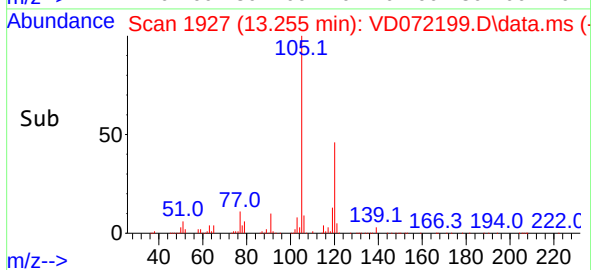
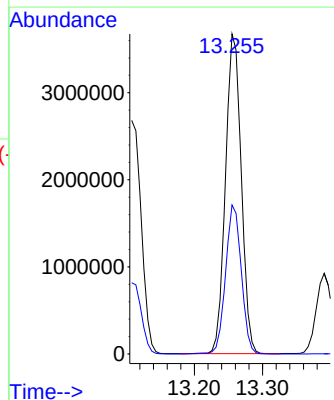
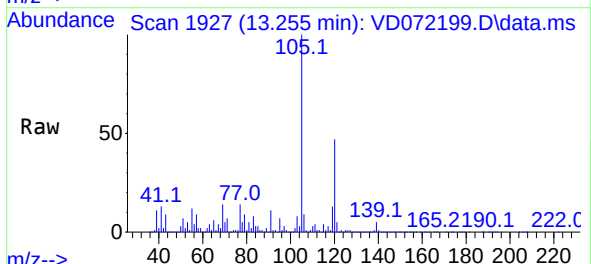
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1b

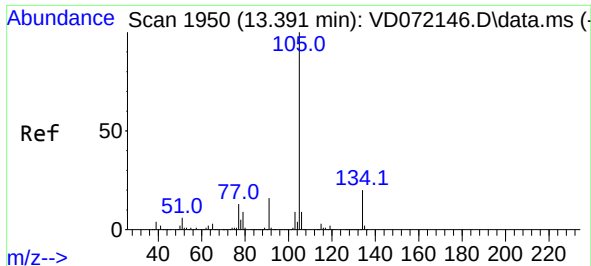
Tgt Ion:119 Resp: 163080
Ion Ratio Lower Upper
119 100
91 90.0 34.8 104.5
134 23.9 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 279.377 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072199.D
Acq: 15 Mar 2022 20:05

Tgt Ion:105 Resp: 5913703
Ion Ratio Lower Upper
105 100
120 46.4 22.3 66.8

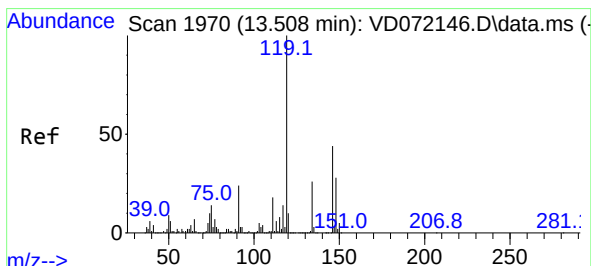
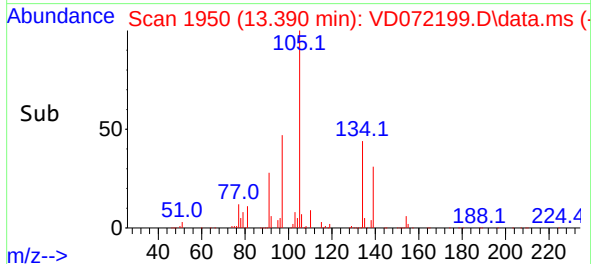
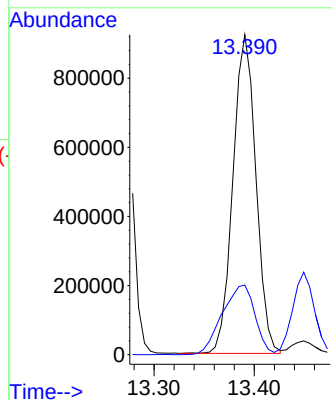
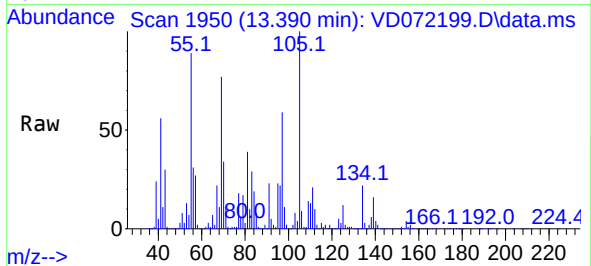




#85
sec-Butylbenzene
Concen: 51.800 ug/l
RT: 13.390 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VD072199.D
Acq: 15 Mar 2022 20:05

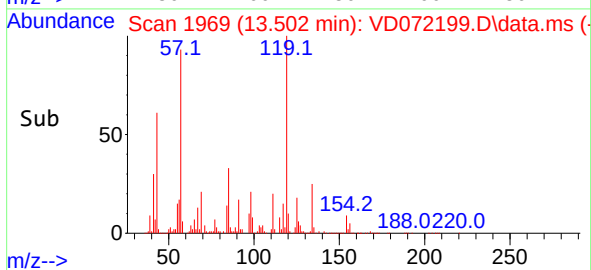
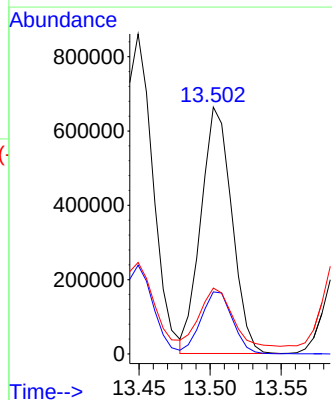
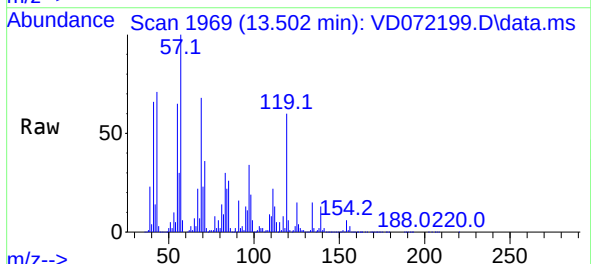
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1b

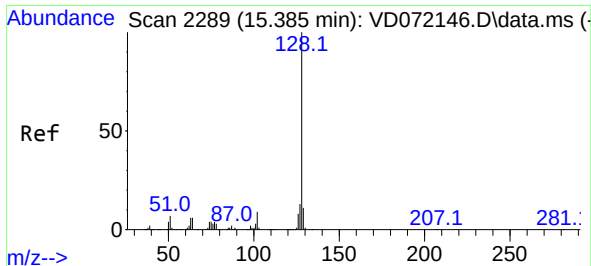
Tgt Ion:105 Resp: 1465118
Ion Ratio Lower Upper
105 100
134 31.2 9.8 29.3#



#86
p-Isopropyltoluene
Concen: 43.179 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. -0.006 min
Lab File: VD072199.D
Acq: 15 Mar 2022 20:05

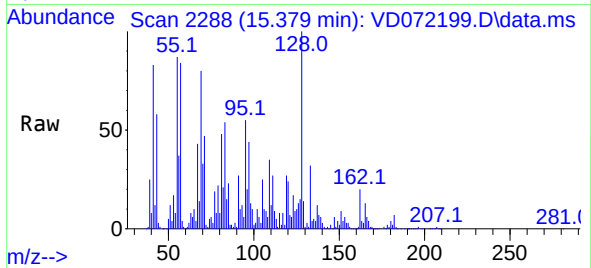
Tgt Ion:119 Resp: 1004954
Ion Ratio Lower Upper
119 100
134 25.7 12.9 38.6
91 24.3 12.1 36.3





#95
Naphthalene
Concen: 24.096 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD072199.D
Acq: 15 Mar 2022 20:05

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



Tgt Ion:128 Resp: 282815
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 9.9 8.4 12.6

