

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062422\
 Data File : VD073685.D
 Acq On : 24 Jun 2022 14:01
 Operator : VA/SY
 Sample : N3422-03
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jun 25 08:17:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 24 07:36:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	231517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	438007	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	370575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	136584	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	134899	47.440	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.880%
35) Dibromofluoromethane	7.908	113	139609	40.916	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.840%
50) Toluene-d8	10.332	98	565244	46.138	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.280%
62) 4-Bromofluorobenzene	12.620	95	208699	45.419	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.840%

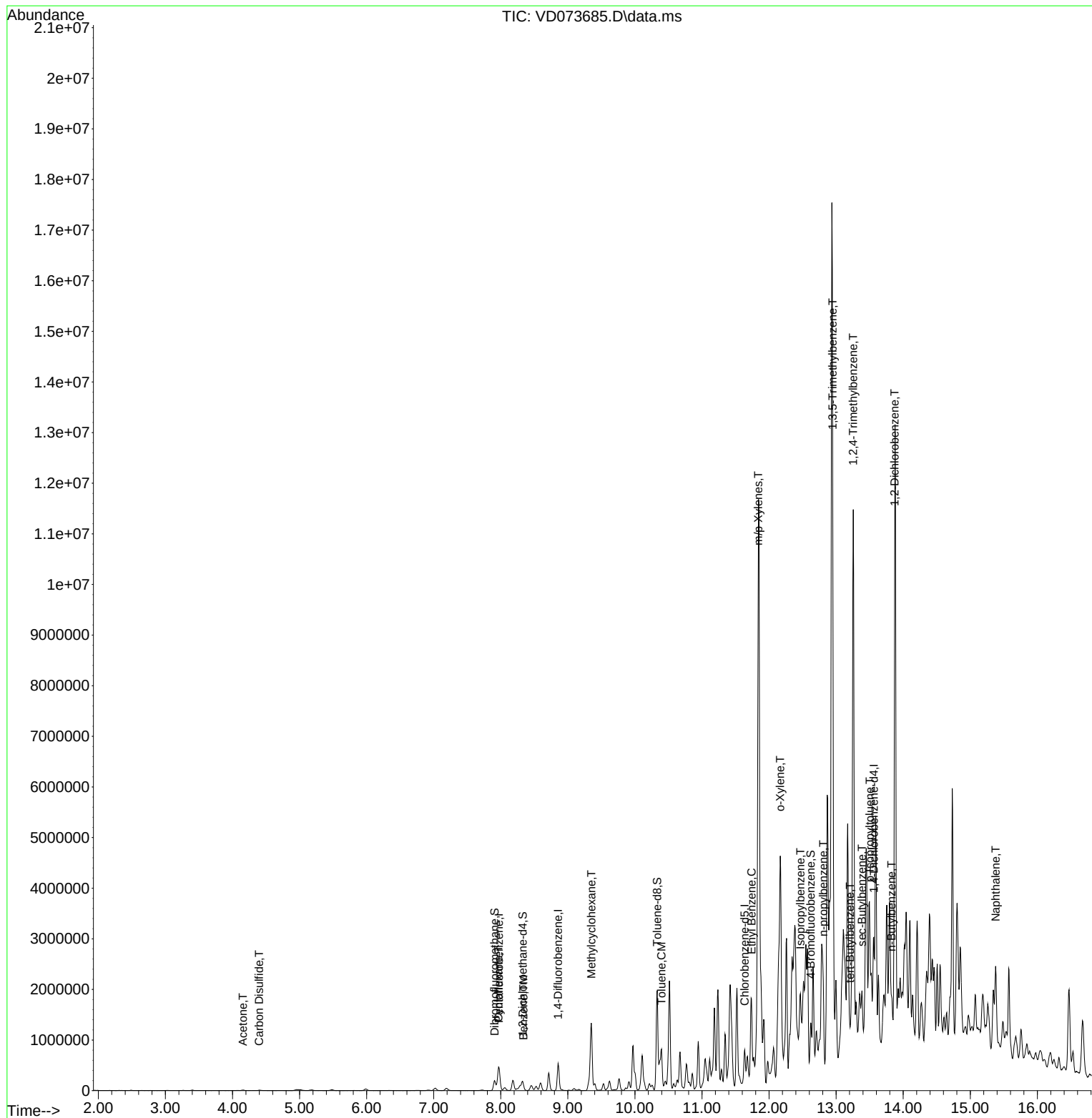
Target Compounds					Qvalue	
16) Acetone	4.156	43	18057	32.942	ug/l	96
17) Carbon Disulfide	4.397	76	14566	2.426	ug/l #	91
31) Cyclohexane	7.967	56	88387	20.720	ug/l #	81
39) Methylcyclohexane	9.349	83	558674	105.052	ug/l	97
40) Benzene	8.338	78	22151	1.598	ug/l #	82
52) Toluene	10.397	92	331012	36.434	ug/l	97
67) Ethyl Benzene	11.738	91	1136997	71.833	ug/l	96
68) m/p-Xylenes	11.838	106	1884360	308.073	ug/l	98
69) o-Xylene	12.167	106	1038251	183.006	ug/l	98
73) Isopropylbenzene	12.467	105	560477	50.254	ug/l	99
78) n-propylbenzene	12.808	91	1105756	81.115	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	2347768	245.546	ug/l	100
83) tert-Butylbenzene	13.208	119	43479	5.173	ug/l	92
84) 1,2,4-Trimethylbenzene	13.255	105	5817407	619.398	ug/l	98
85) sec-Butylbenzene	13.385	105	428967	34.702	ug/l #	72
86) p-Isopropyltoluene	13.502	119	710685	69.060	ug/l	100
89) n-Butylbenzene	13.826	91	377296	39.154	ug/l #	73
91) 1,2-Dichlorobenzene	13.873	146	177121	36.858	ug/l #	54
95) Naphthalene	15.379	128	1432013	279.133	ug/l	99

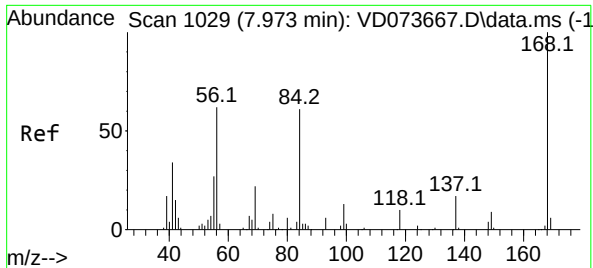
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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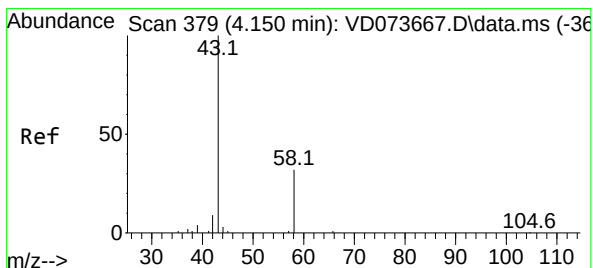
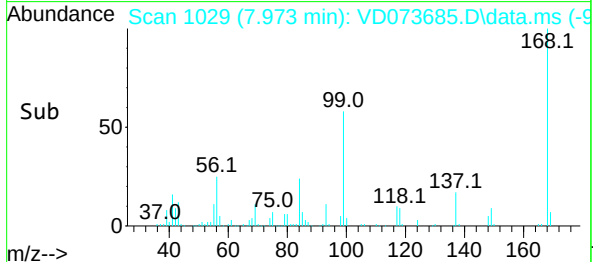
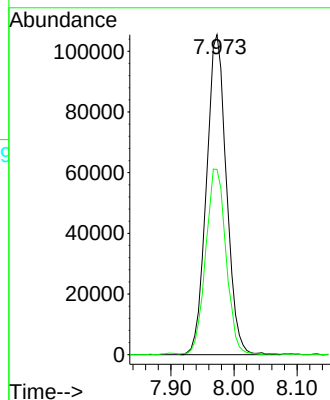
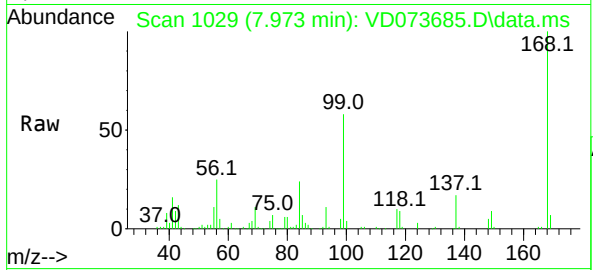




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073685.D
Acq: 24 Jun 2022 14:01

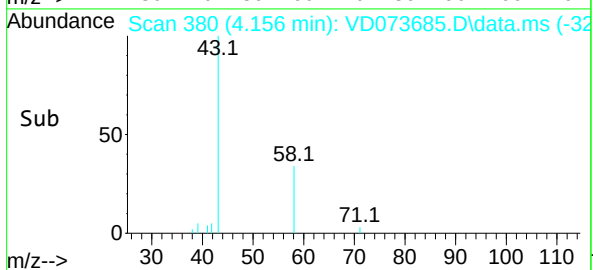
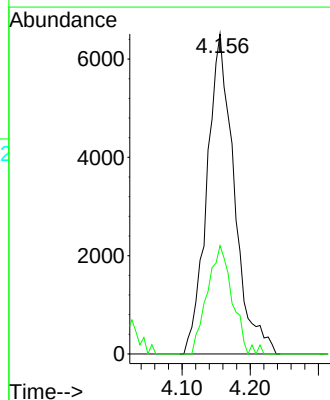
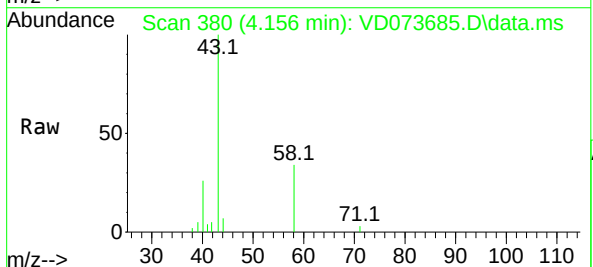
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-12

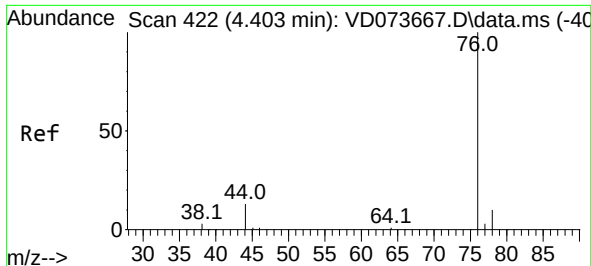
Tgt Ion:168 Resp: 231517
Ion Ratio Lower Upper
168 100
99 57.7 46.4 69.6



#16
Acetone
Concen: 32.942 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073685.D
Acq: 24 Jun 2022 14:01

Tgt Ion: 43 Resp: 18057
Ion Ratio Lower Upper
43 100
58 33.9 25.2 37.8

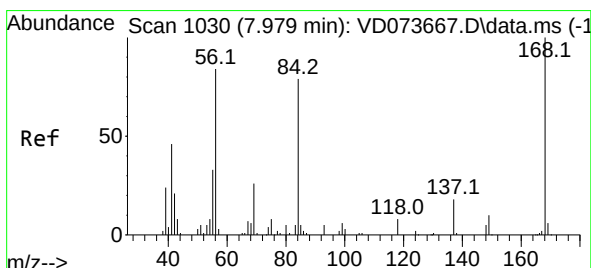
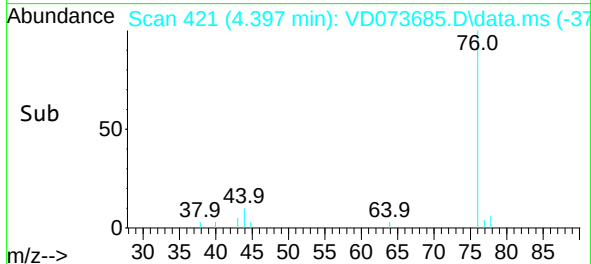
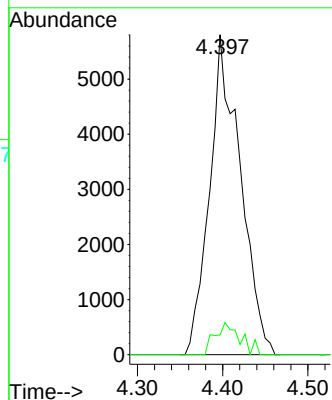
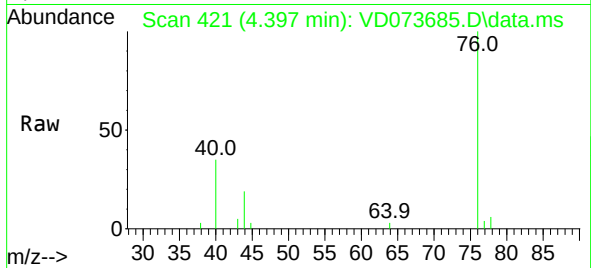




#17
Carbon Disulfide
Concen: 2.426 ug/l
RT: 4.397 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD073685.D
Acq: 24 Jun 2022 14:01

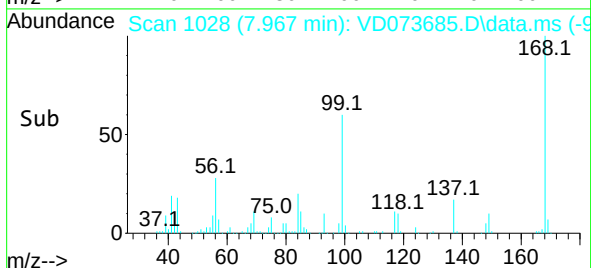
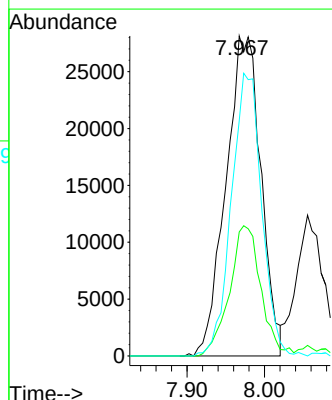
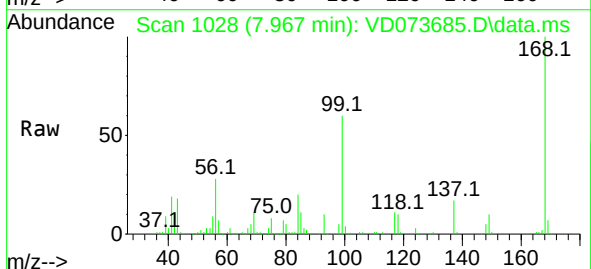
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-12

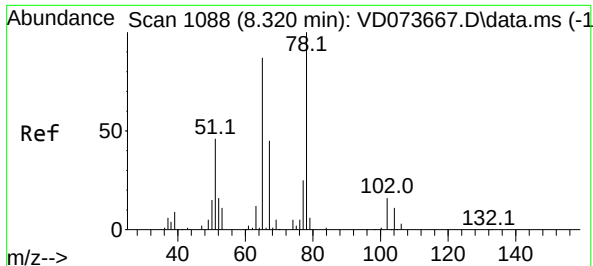
Tgt Ion: 76 Resp: 14566
Ion Ratio Lower Upper
76 100
78 6.2 7.7 11.5#



#31
Cyclohexane
Concen: 20.720 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073685.D
Acq: 24 Jun 2022 14:01

Tgt Ion: 56 Resp: 88387
Ion Ratio Lower Upper
56 100
69 38.8 25.2 37.8#
84 73.5 75.4 113.2#





#33

1,2-Dichloroethane-d4

Concen: 47.440 ug/l

RT: 8.326 min Scan# 1088

Delta R.T. 0.006 min

Lab File: VD073685.D

Acq: 24 Jun 2022 14:01

Instrument :

MSVOA_D

ClientSampleId :

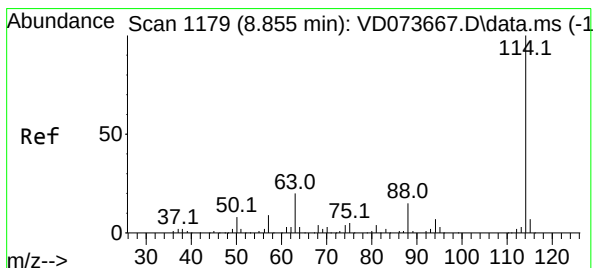
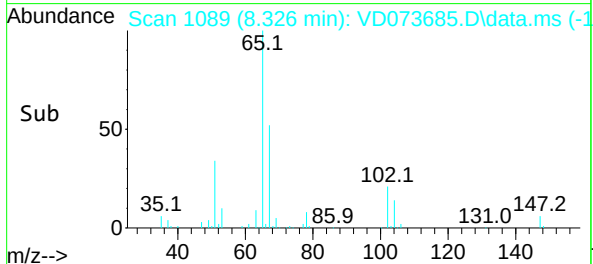
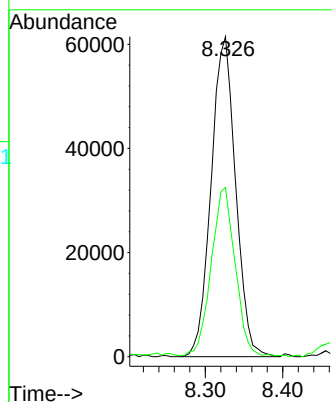
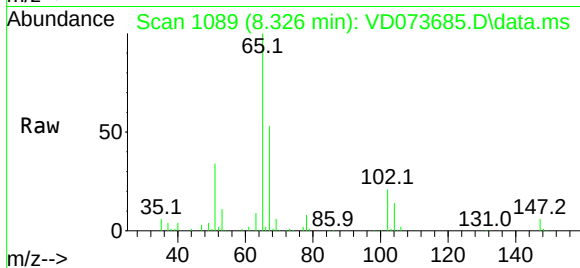
WC-14A-1A-12

Tgt Ion: 65 Resp: 134899

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD073685.D

Acq: 24 Jun 2022 14:01

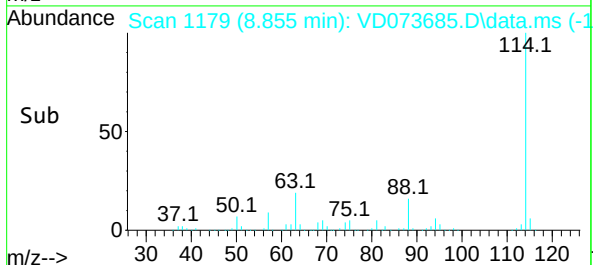
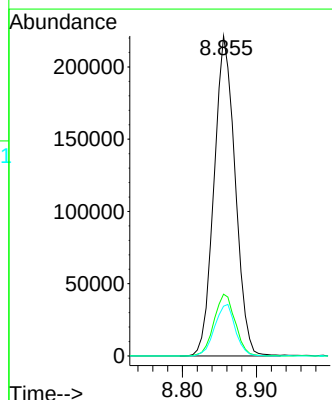
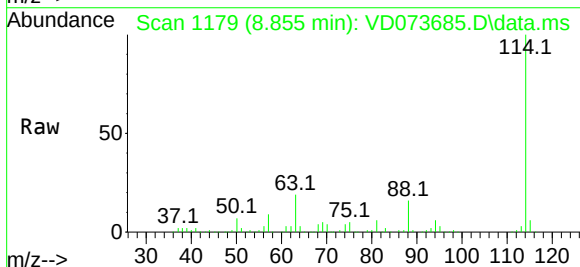
Tgt Ion: 114 Resp: 438007

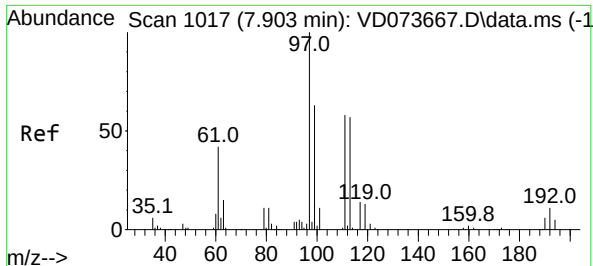
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.2

88 15.5 0.0 29.4





#35

Dibromofluoromethane

Concen: 40.916 ug/l

RT: 7.908 min Scan# 1017

Delta R.T. 0.006 min

Lab File: VD073685.D

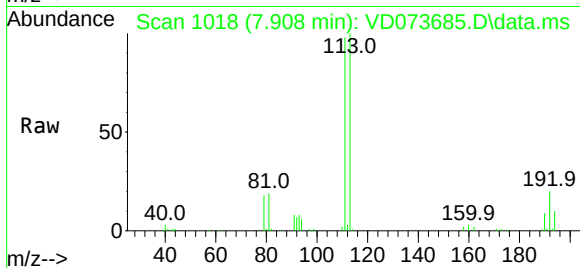
Acq: 24 Jun 2022 14:01

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-12



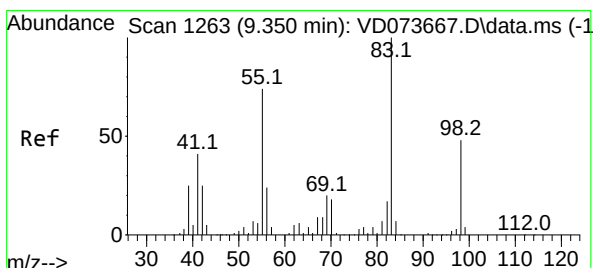
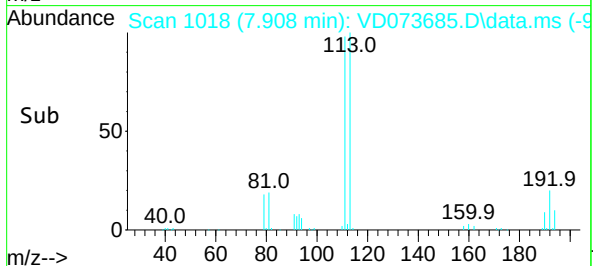
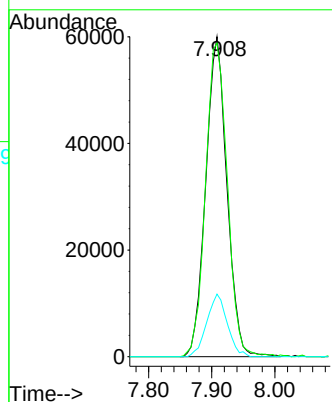
Tgt Ion:113 Resp: 139609

Ion Ratio Lower Upper

113 100

111 101.2 81.8 122.6

192 19.0 14.8 22.2



#39

Methylcyclohexane

Concen: 105.052 ug/l

RT: 9.349 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VD073685.D

Acq: 24 Jun 2022 14:01

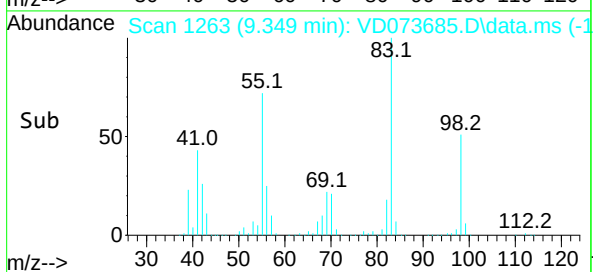
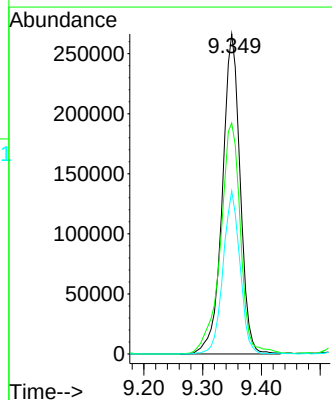
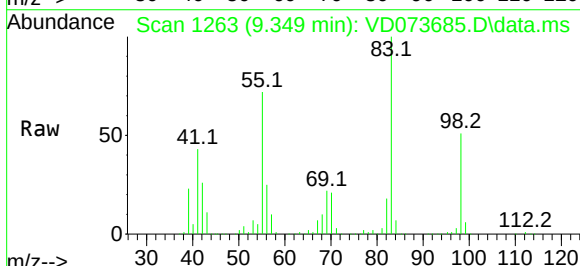
Tgt Ion: 83 Resp: 558674

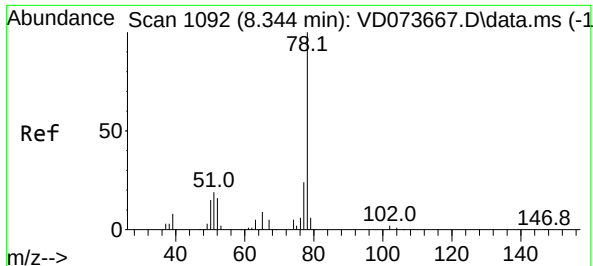
Ion Ratio Lower Upper

83 100

55 72.1 59.0 88.4

98 50.9 38.3 57.5

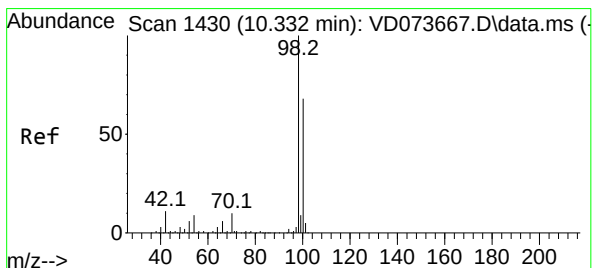
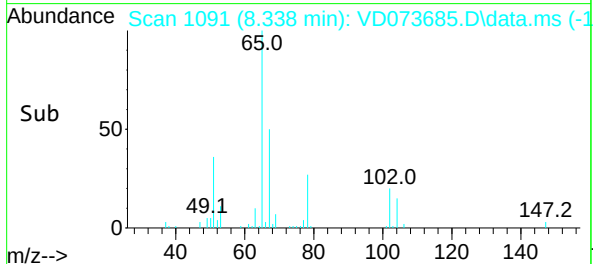
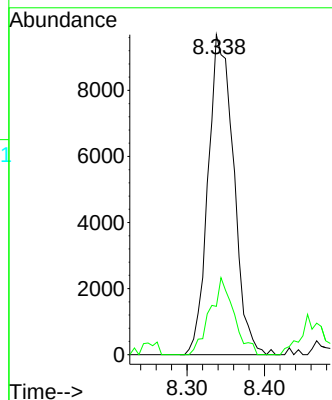
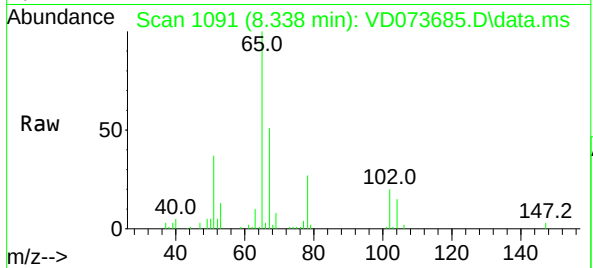




#40
Benzene
Concen: 1.598 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. -0.006 min
Lab File: VD073685.D
Acq: 24 Jun 2022 14:01

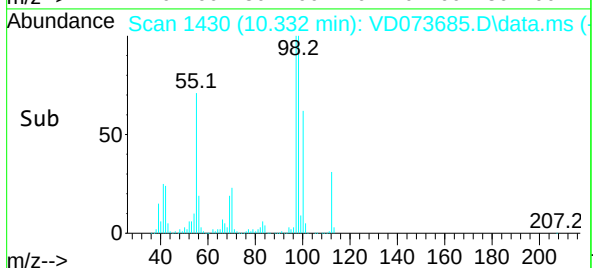
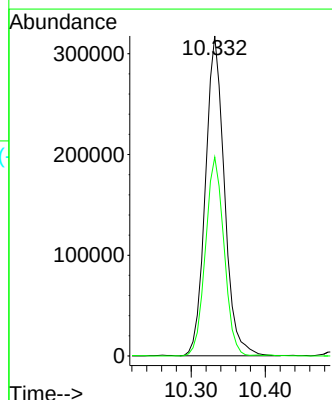
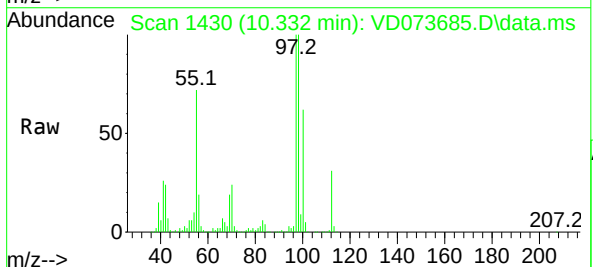
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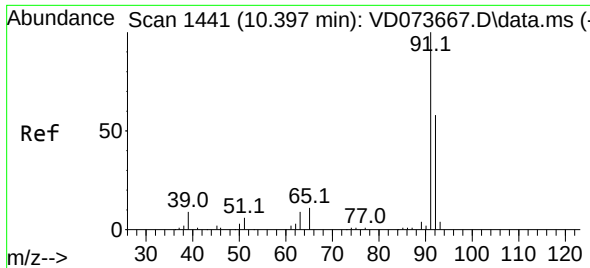
Tgt Ion: 78 Resp: 22151
Ion Ratio Lower Upper
78 100
77 15.1 19.0 28.4#



#50
Toluene-d8
Concen: 46.138 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073685.D
Acq: 24 Jun 2022 14:01

Tgt Ion: 98 Resp: 565244
Ion Ratio Lower Upper
98 100
100 60.7 54.0 81.0

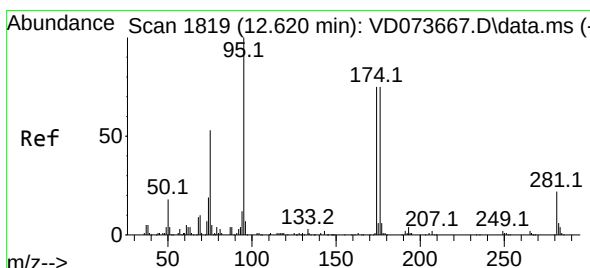
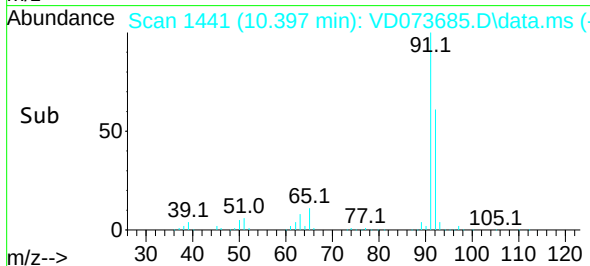
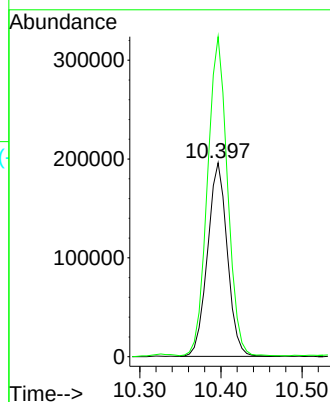
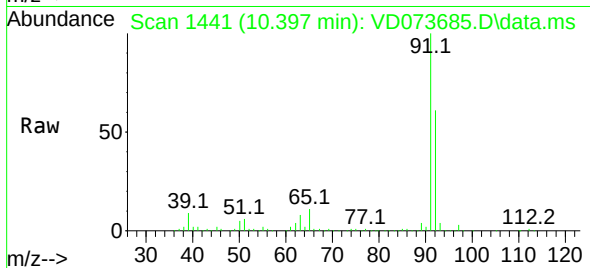




#52
Toluene
Concen: 36.434 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD073685.D
Acq: 24 Jun 2022 14:01

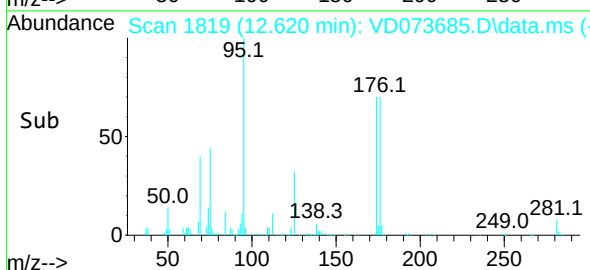
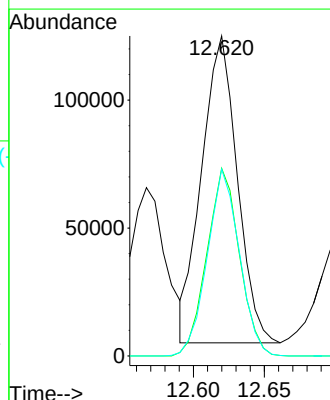
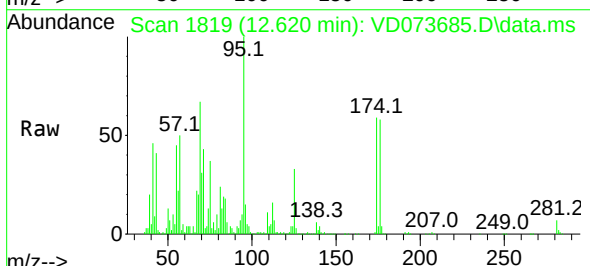
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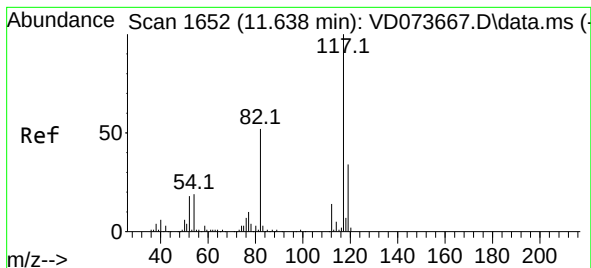
Tgt Ion: 92 Resp: 331012
Ion Ratio Lower Upper
92 100
91 166.6 136.1 204.1



#62
4-Bromofluorobenzene
Concen: 45.419 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073685.D
Acq: 24 Jun 2022 14:01

Tgt Ion: 95 Resp: 208699
Ion Ratio Lower Upper
95 100
174 56.0 0.0 158.4
176 54.9 0.0 154.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD073685.D

Acq: 24 Jun 2022 14:01

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-12

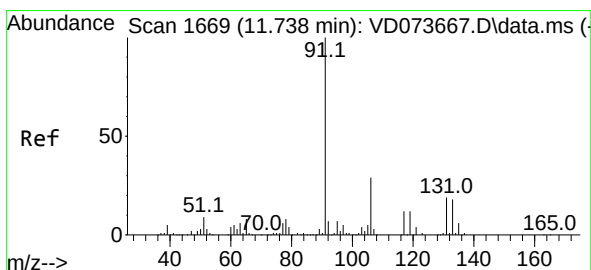
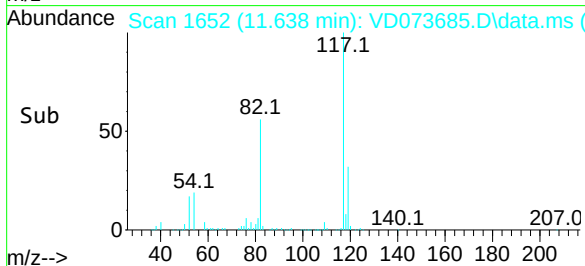
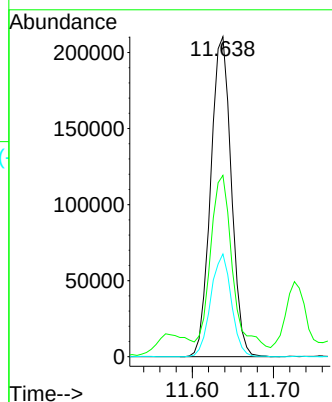
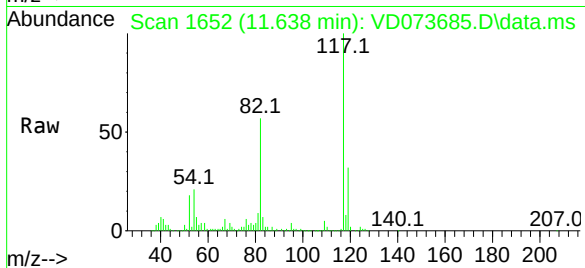
Tgt Ion:117 Resp: 370575

Ion Ratio Lower Upper

117 100

82 50.6 41.5 62.3

119 32.1 27.1 40.7



#67

Ethyl Benzene

Concen: 71.833 ug/l

RT: 11.738 min Scan# 1669

Delta R.T. -0.000 min

Lab File: VD073685.D

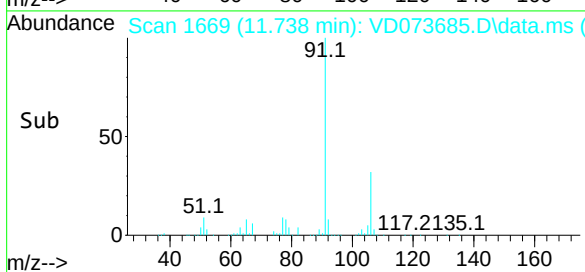
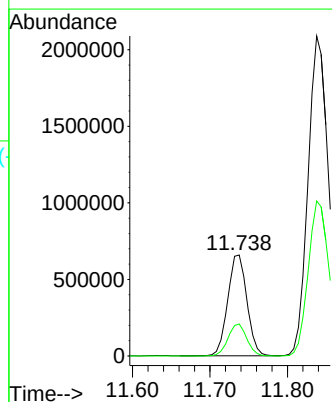
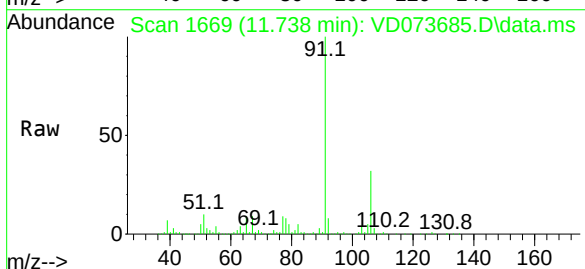
Acq: 24 Jun 2022 14:01

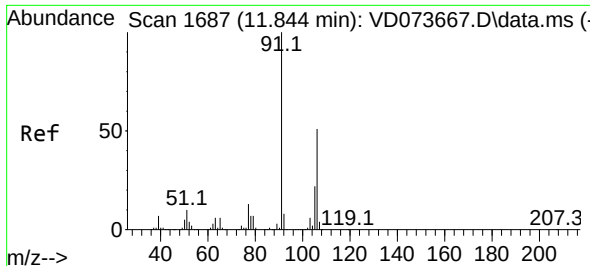
Tgt Ion: 91 Resp: 1136997

Ion Ratio Lower Upper

91 100

106 31.7 23.5 35.3

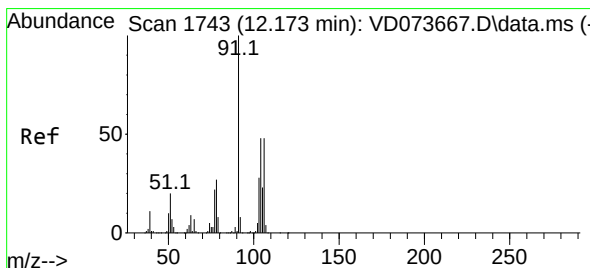
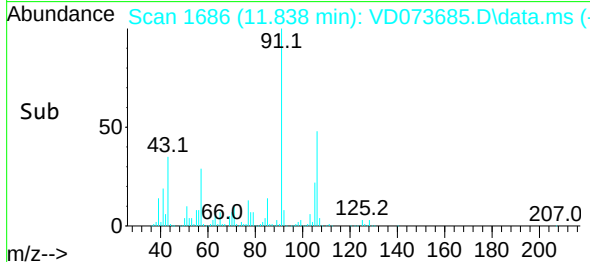
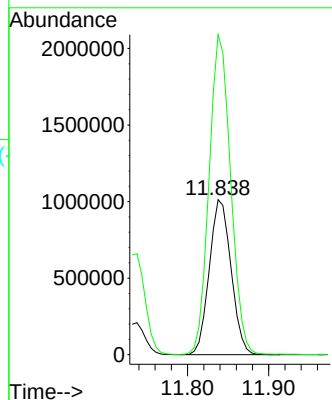
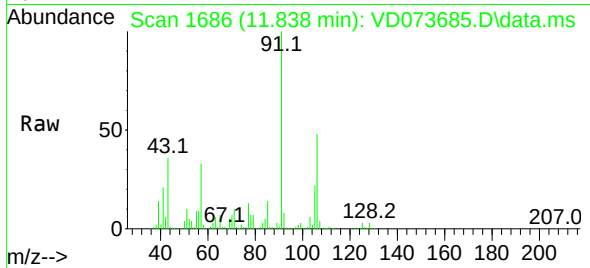




#68
m/p-Xylenes
Concen: 308.073 ug/l
RT: 11.838 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VD073685.D
Acq: 24 Jun 2022 14:01

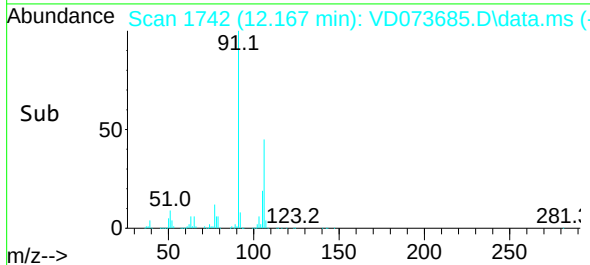
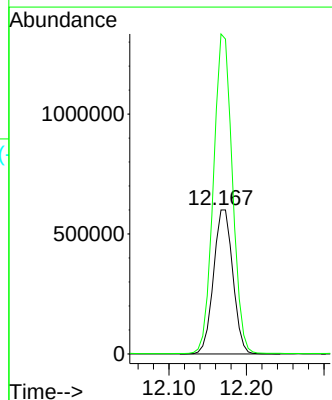
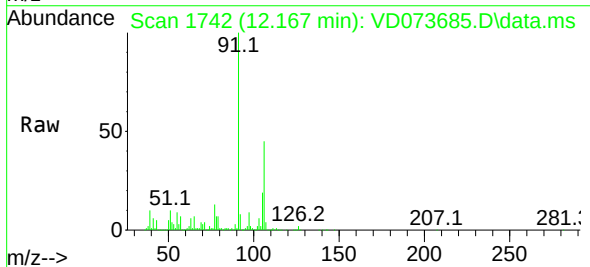
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-12

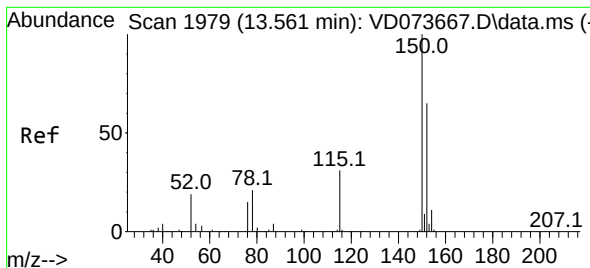
Tgt Ion:106 Resp: 1884360
Ion Ratio Lower Upper
106 100
91 205.0 161.4 242.2



#69
o-Xylene
Concen: 183.006 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VD073685.D
Acq: 24 Jun 2022 14:01

Tgt Ion:106 Resp: 1038251
Ion Ratio Lower Upper
106 100
91 218.3 107.6 322.8

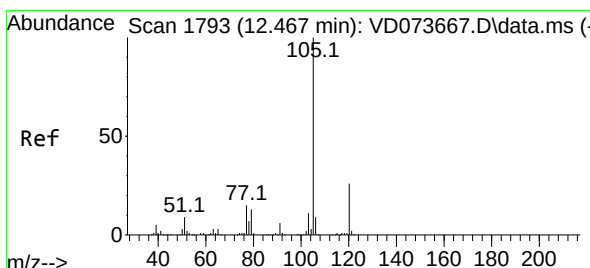
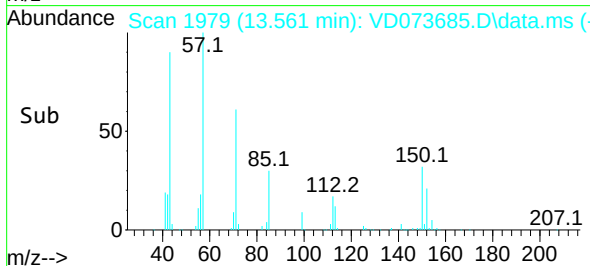
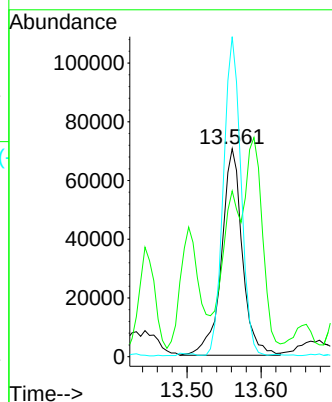
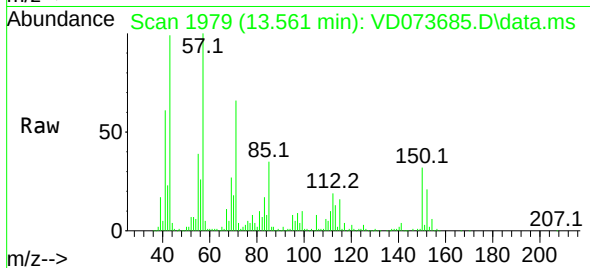




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073685.D
Acq: 24 Jun 2022 14:01

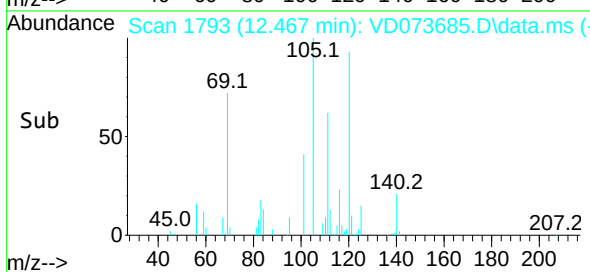
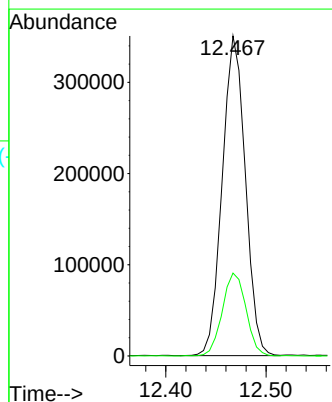
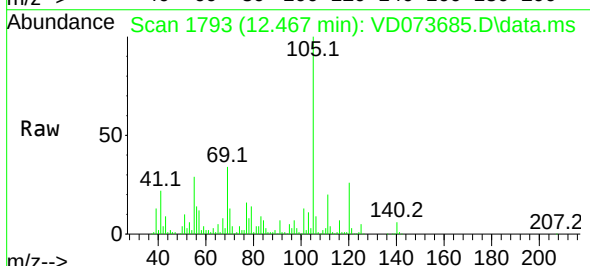
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-12

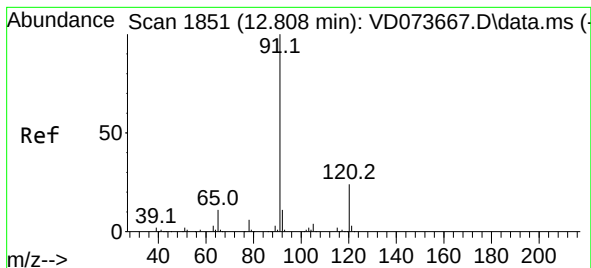
Tgt Ion:152 Resp: 136584
Ion Ratio Lower Upper
152 100
115 46.5 30.6 91.6
150 130.0 0.0 355.0



#73
Isopropylbenzene
Concen: 50.254 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD073685.D
Acq: 24 Jun 2022 14:01

Tgt Ion:105 Resp: 560477
Ion Ratio Lower Upper
105 100
120 26.7 13.2 39.6





#78

n-propylbenzene

Concen: 81.115 ug/l

RT: 12.808 min Scan# 1851

Delta R.T. -0.000 min

Lab File: VD073685.D

Acq: 24 Jun 2022 14:01

Instrument :

MSVOA_D

ClientSampleId :

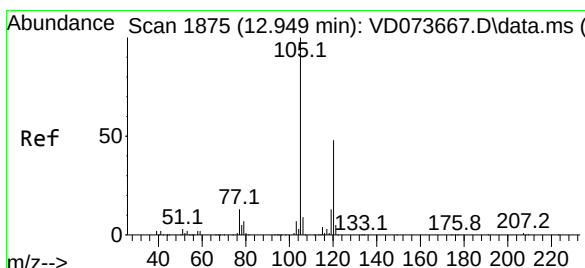
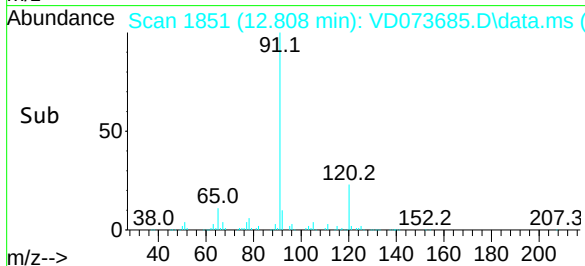
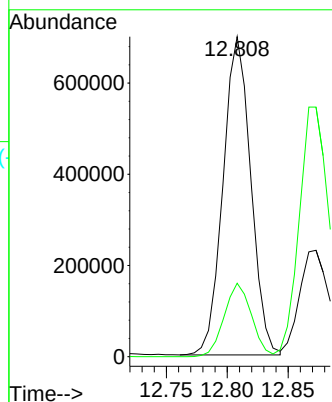
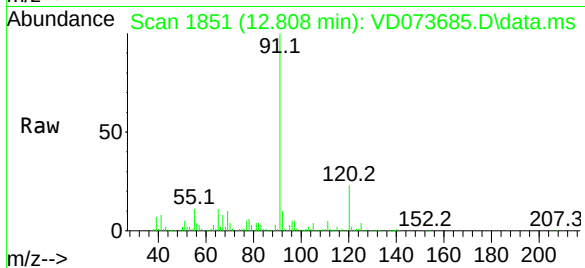
WC-14A-1A-12

Tgt Ion: 91 Resp: 1105756

Ion Ratio Lower Upper

91 100

120 22.7 11.8 35.3



#80

1,3,5-Trimethylbenzene

Concen: 245.546 ug/l

RT: 12.949 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VD073685.D

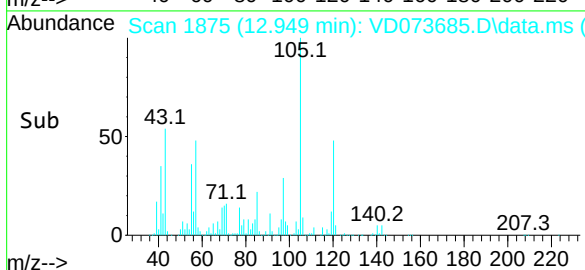
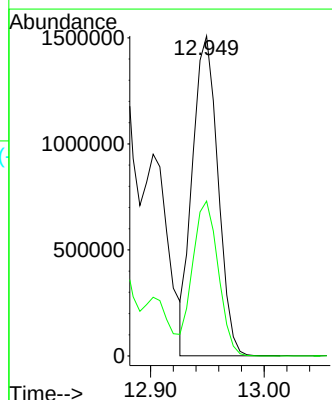
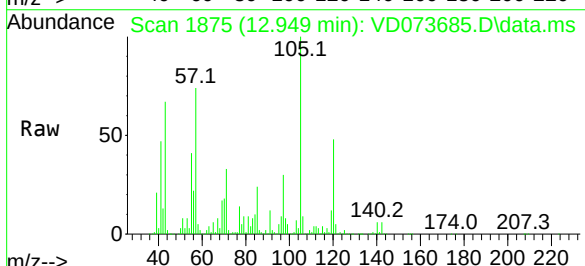
Acq: 24 Jun 2022 14:01

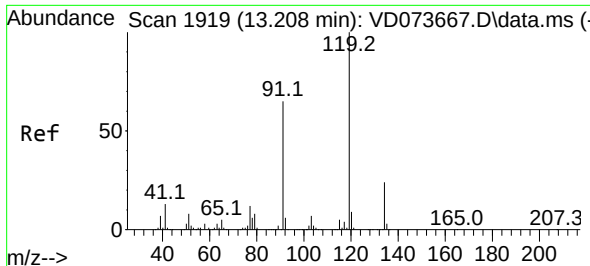
Tgt Ion:105 Resp: 2347768

Ion Ratio Lower Upper

105 100

120 48.7 24.5 73.5

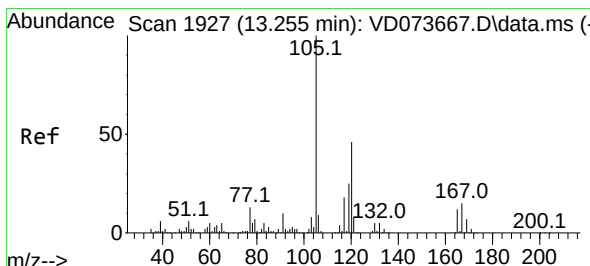
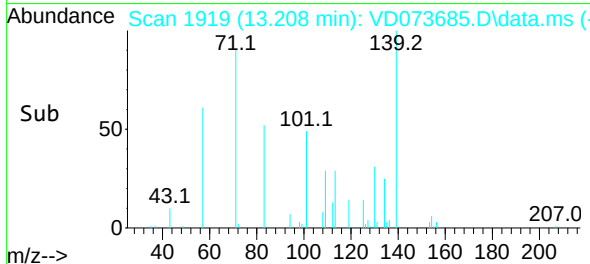
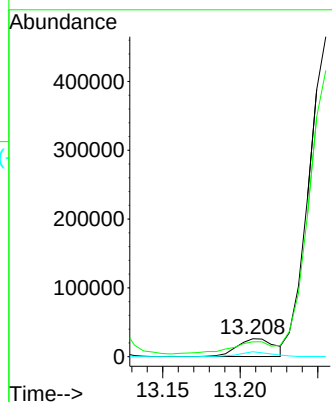
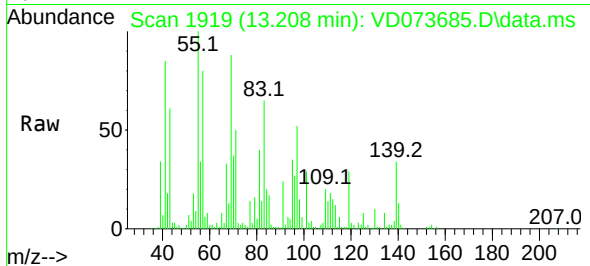




#83
tert-Butylbenzene
Concen: 5.173 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.000 min
Lab File: VD073685.D
Acq: 24 Jun 2022 14:01

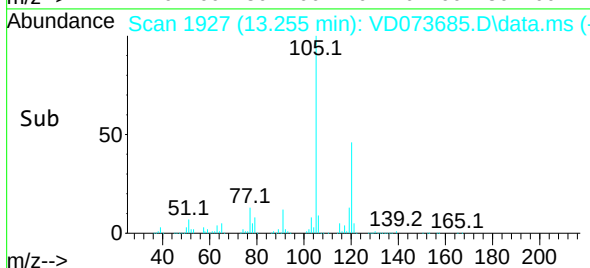
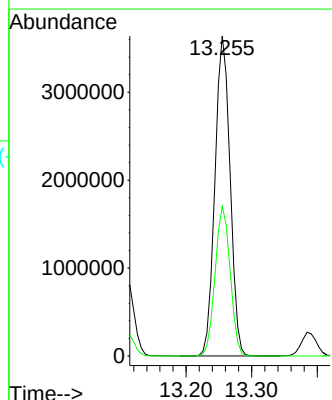
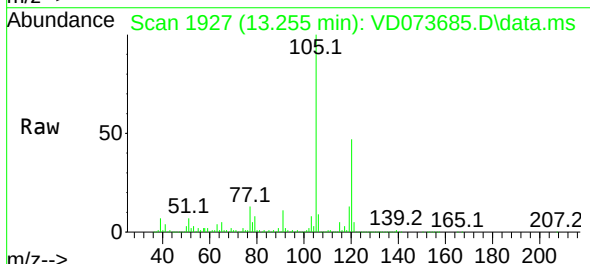
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-12

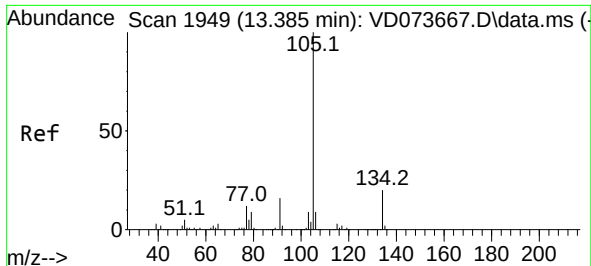
Tgt Ion:119 Resp: 43479
Ion Ratio Lower Upper
119 100
91 72.4 32.1 96.5
134 25.3 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 619.398 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VD073685.D
Acq: 24 Jun 2022 14:01

Tgt Ion:105 Resp: 5817407
Ion Ratio Lower Upper
105 100
120 46.6 22.6 67.8

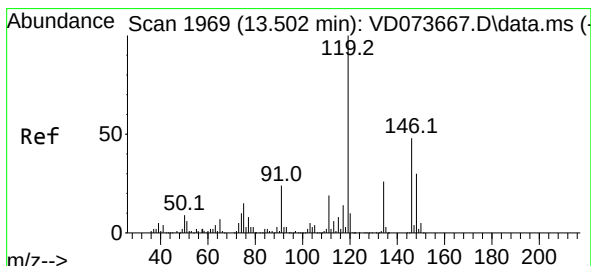
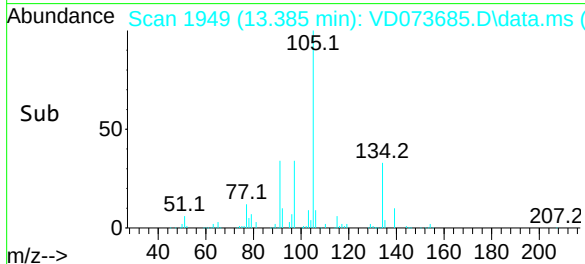
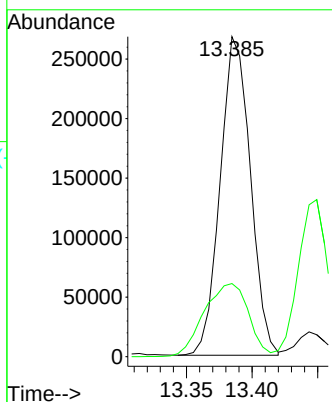
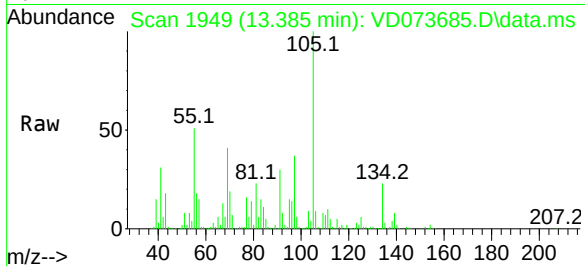




#85
 sec-Butylbenzene
 Concen: 34.702 ug/l
 RT: 13.385 min Scan# 1949
 Delta R.T. -0.000 min
 Lab File: VD073685.D
 Acq: 24 Jun 2022 14:01

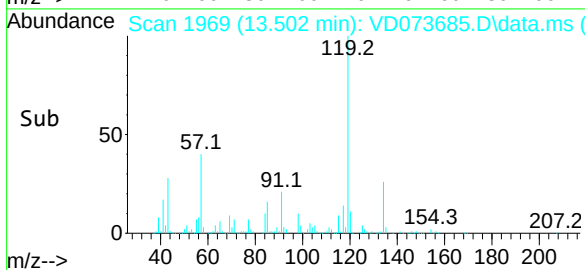
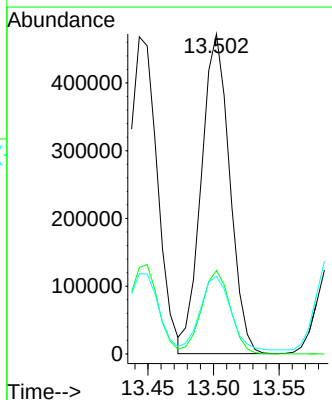
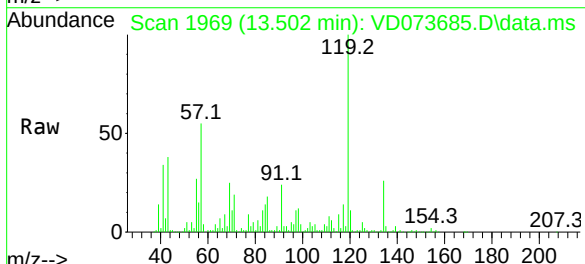
Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-1A-12

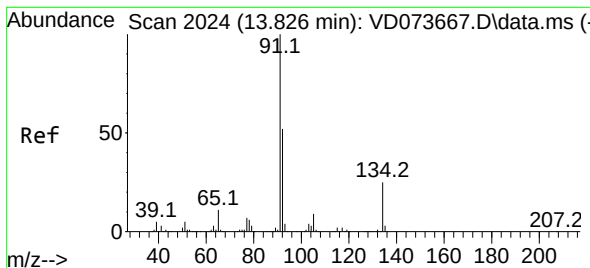
Tgt Ion:105 Resp: 428967
 Ion Ratio Lower Upper
 105 100
 134 33.7 10.4 31.2#



#86
 p-Isopropyltoluene
 Concen: 69.060 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. -0.000 min
 Lab File: VD073685.D
 Acq: 24 Jun 2022 14:01

Tgt Ion:119 Resp: 710685
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.0 39.0
 91 24.2 12.1 36.3





#89

n-Butylbenzene

Concen: 39.154 ug/l

RT: 13.826 min Scan# 2024

Delta R.T. -0.000 min

Lab File: VD073685.D

Acq: 24 Jun 2022 14:01

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-12

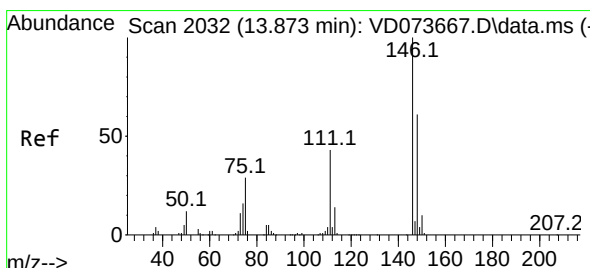
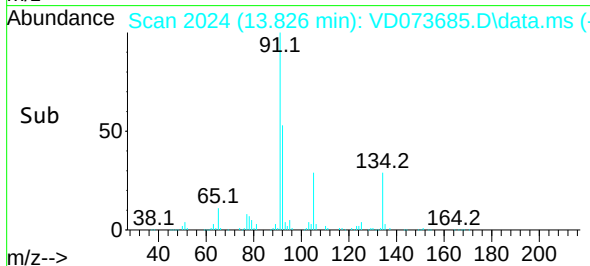
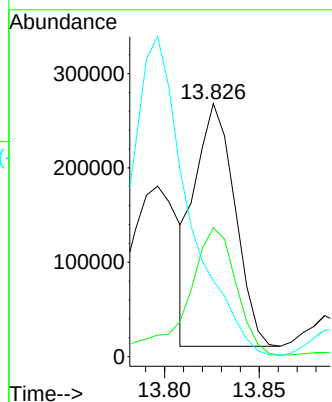
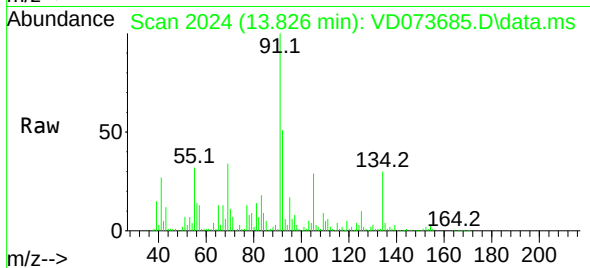
Tgt Ion: 91 Resp: 377296

Ion Ratio Lower Upper

91 100

92 63.6 26.4 79.2

134 0.0 12.7 38.0#



#91

1,2-Dichlorobenzene

Concen: 36.858 ug/l

RT: 13.873 min Scan# 2032

Delta R.T. -0.000 min

Lab File: VD073685.D

Acq: 24 Jun 2022 14:01

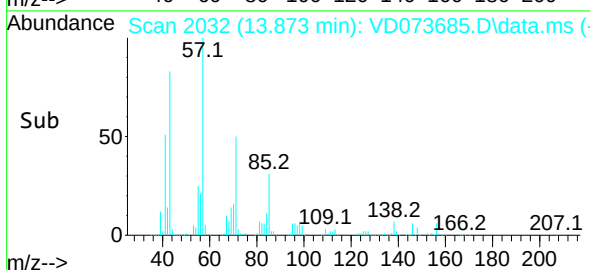
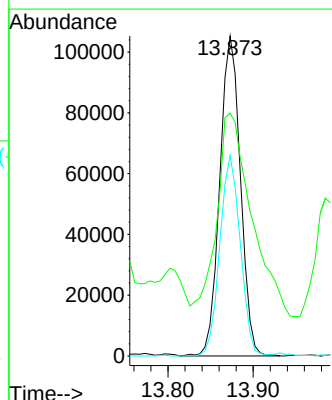
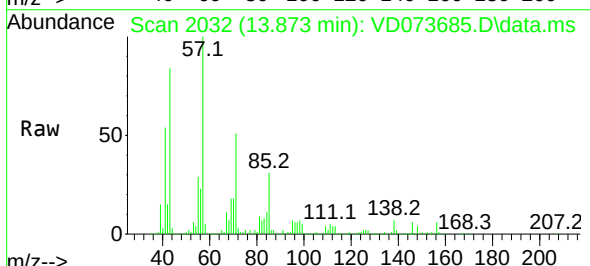
Tgt Ion:146 Resp: 177121

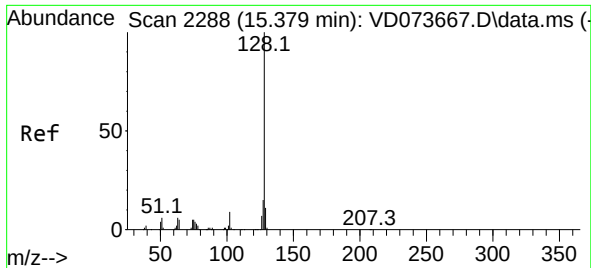
Ion Ratio Lower Upper

146 100

111 113.2 21.1 63.3#

148 62.2 31.6 94.7





#95

Naphthalene

Concen: 279.133 ug/l

RT: 15.379 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD073685.D

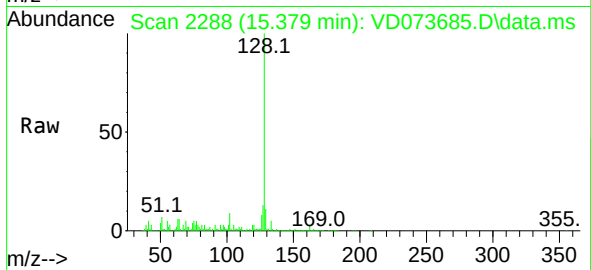
Acq: 24 Jun 2022 14:01

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-1A-12



Tgt Ion:128 Resp: 1432013

Ion Ratio Lower Upper

128 100

127 13.8 10.6 16.0

129 11.4 8.9 13.3

