

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102220\
 Data File : VD067358.D
 Acq On : 22 Oct 2020 13:21
 Operator : VA/SY
 Sample : L4460-01
 Misc : 1.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CAPEMAY-ST-DRUM

Quant Time: Oct 22 16:09:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	216157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	335414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	170844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	24599	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	101178	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
35) Dibromofluoromethane	7.92	113	103433	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
50) Toluene-d8	10.34	98	291710	36.11	ug/l	0.00
Spiked Amount			Recovery	=	72.22%	
62) 4-Bromofluorobenzene	12.64	95	49490	17.62	ug/l	0.00
Spiked Amount			Recovery	=	35.24%	

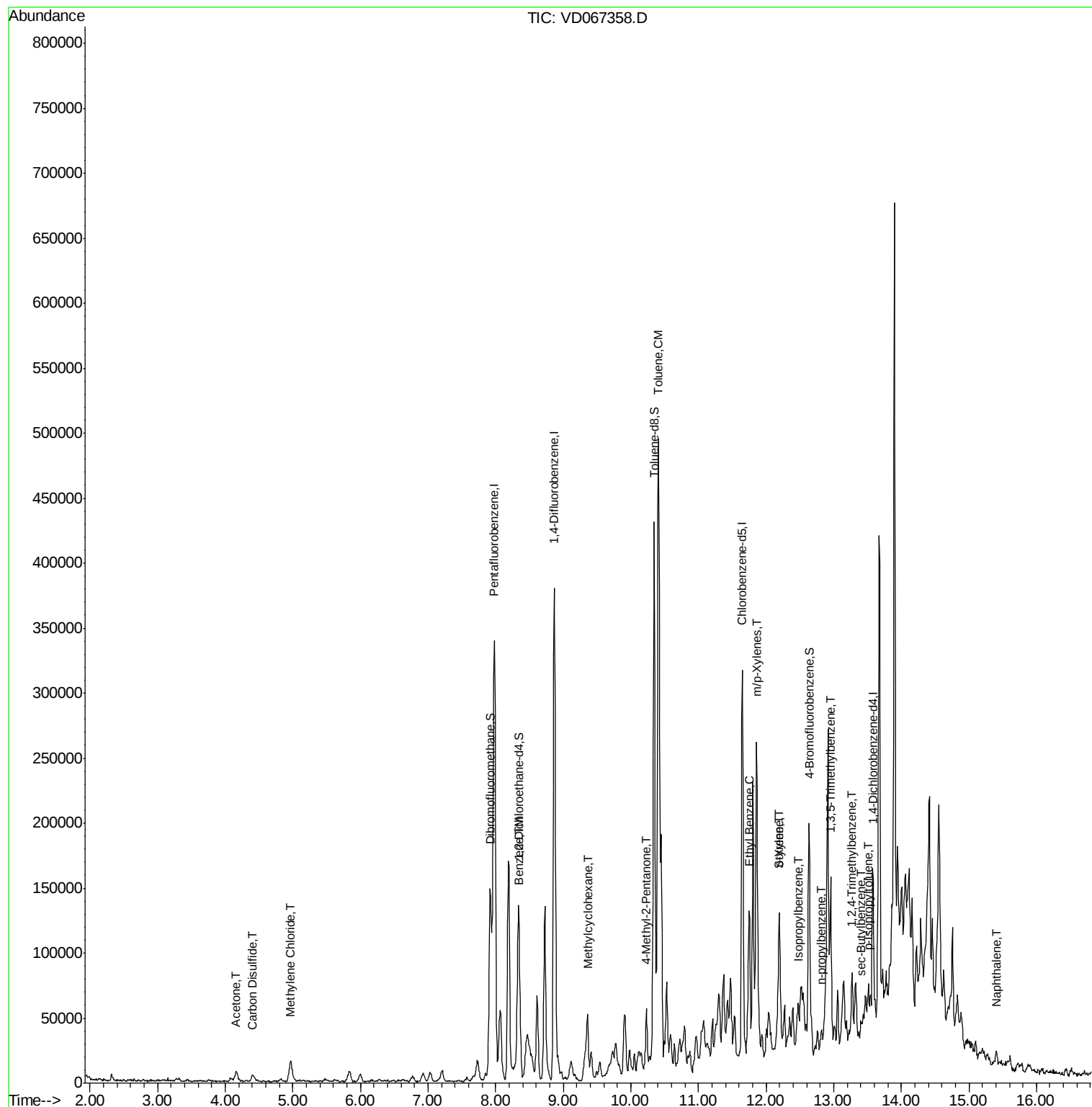
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	13060	43.061	ug/l	99
17) Carbon Disulfide	4.41	76	12914	2.539	ug/l #	94
20) Methylene Chloride	4.96	84	12644	2.219	ug/l	96
39) Methylcyclohexane	9.36	83	17515	5.893	ug/l	95
40) Benzene	8.36	78	37152	4.764	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	25003	30.204	ug/l	98
52) Toluene	10.41	92	201233	37.883	ug/l	99
67) Ethyl Benzene	11.75	91	38603	6.874	ug/l	90
68) m/p-Xylenes	11.85	106	49016	22.665	ug/l	96
69) o-Xylene	12.18	106	14730	7.356	ug/l	100
70) Styrene	12.20	104	39497	11.457	ug/l	97
73) Isopropylbenzene	12.48	105	9350	5.989	ug/l	98
78) n-propylbenzene	12.83	91	15854	8.765	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	12281	9.052	ug/l	77
84) 1,2,4-Trimethylbenzene	13.27	105	31321	23.358	ug/l	96
85) sec-Butylbenzene	13.41	105	8099	5.150	ug/l	82
86) p-Isopropyltoluene	13.53	119	6006m	4.047	ug/l	
95) Naphthalene	15.41	128	9490	13.099	ug/l #	93

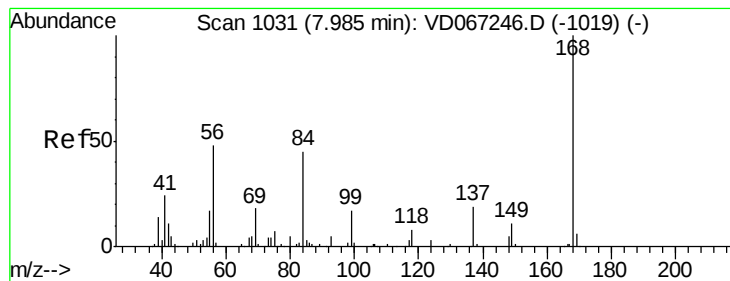
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067358.D

Acq: 22 Oct 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

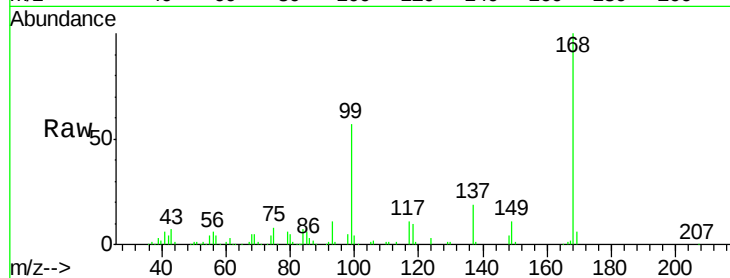
CAPEMAY-ST-DRUM

Tot Ion:168 Resp: 216157

Ion Ratio Lower Upper

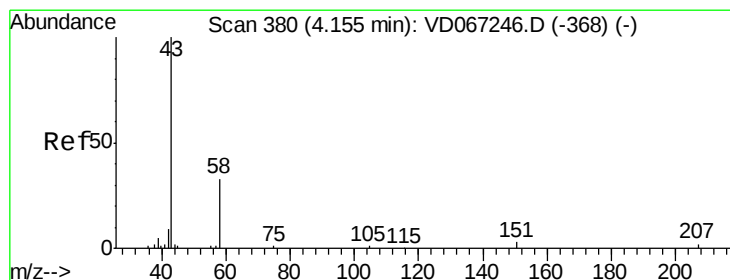
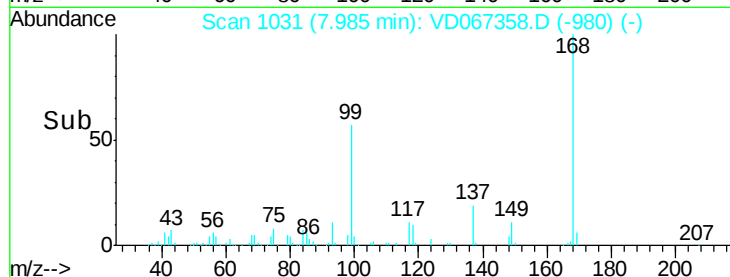
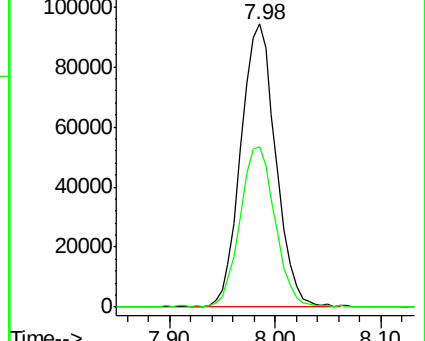
168 100

99 56.5 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 43.061 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067358.D

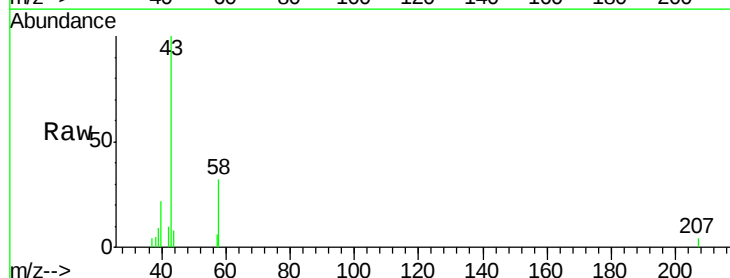
Acq: 22 Oct 2020 13:21

Tgt Ion: 43 Resp: 13060

Ion Ratio Lower Upper

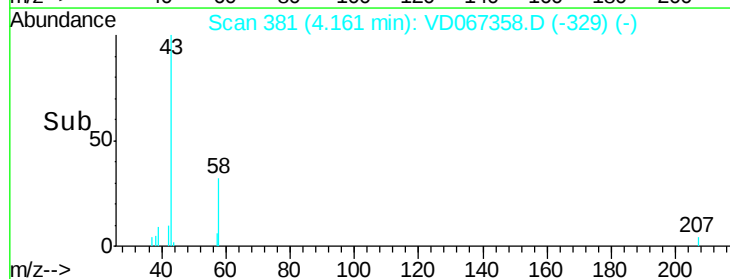
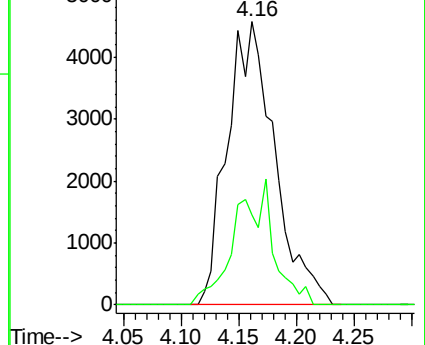
43 100

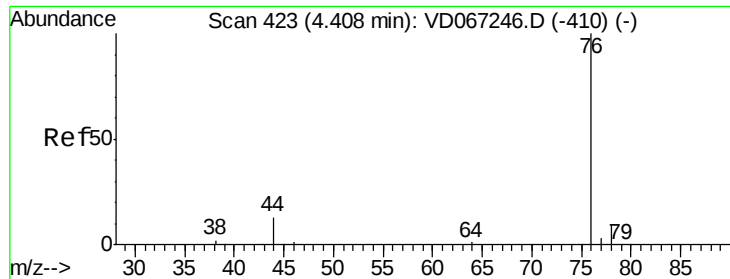
58 31.9 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

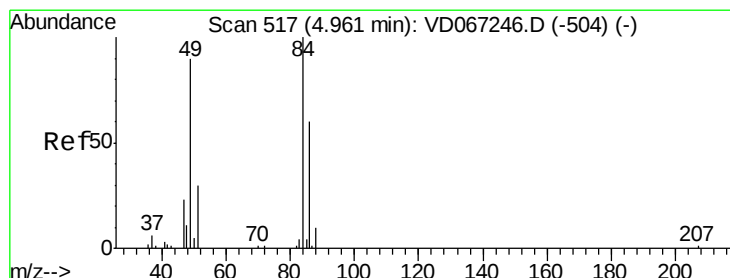
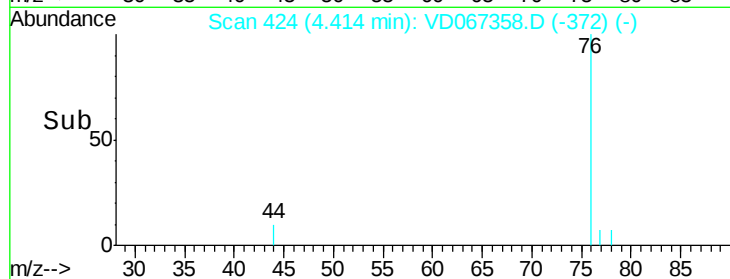
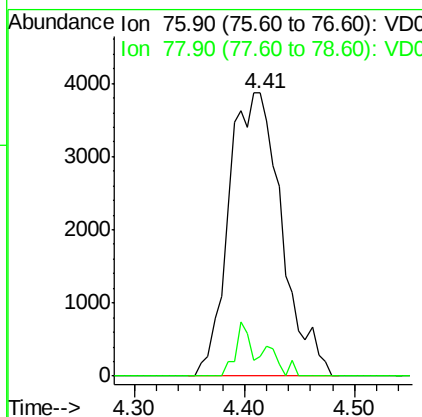
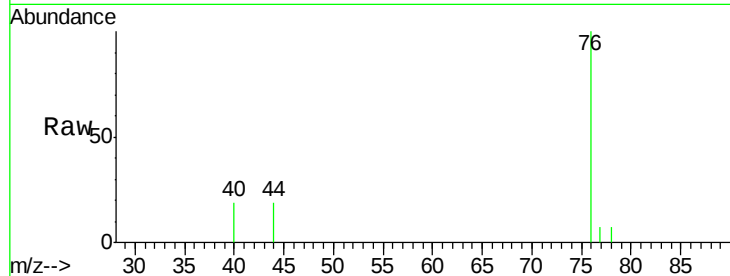




#17
Carbon Disulfide
Concen: 2.539 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067358.D
Acq: 22 Oct 2020 13:21

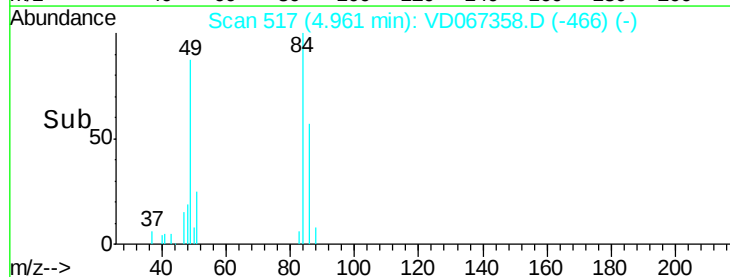
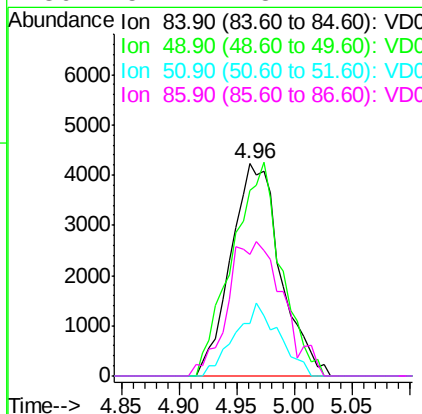
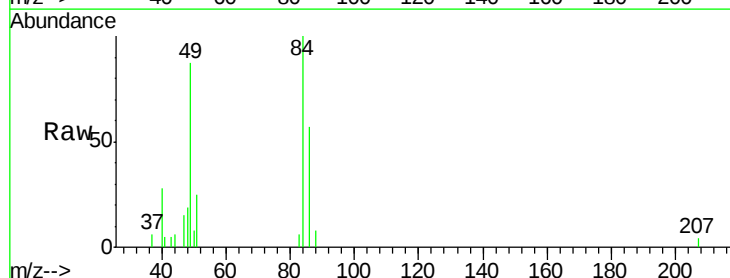
Instrument :
MSVOA_D
ClientSampleId :
CAPEMAY-ST-DRUM

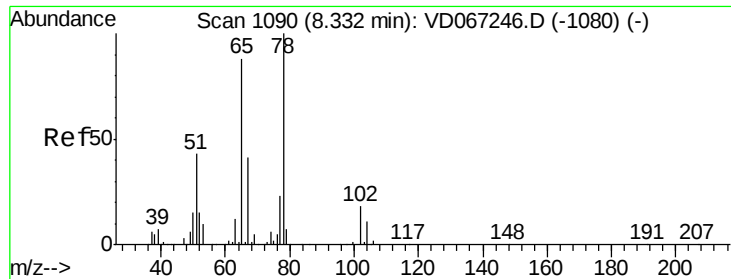
Tot Ion: 76 Resp: 12914
Ion Ratio Lower Upper
76 100
78 7.0 7.4 11.0#



#20
Methylene Chloride
Concen: 2.219 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067358.D
Acq: 22 Oct 2020 13:21

Tgt Ion: 84 Resp: 12644
Ion Ratio Lower Upper
84 100
49 87.2 72.2 108.2
51 24.9 23.8 35.8
86 57.2 48.2 72.4





#33

1,2-Dichloroethane-d4

Concen: 46.721 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD067358.D

Acq: 22 Oct 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

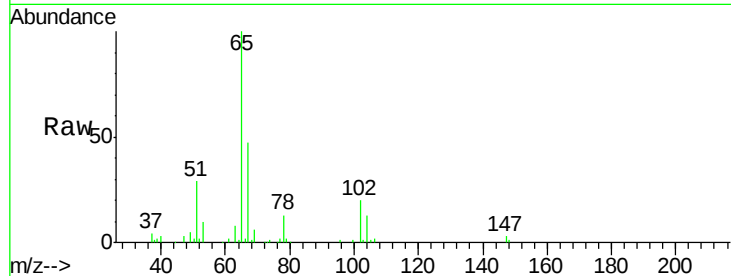
CAPEMAY-ST-DRUM

Tot Ion: 65 Resp: 101178

Ion Ratio Lower Upper

65 100

67 49.9 0.0 103.8

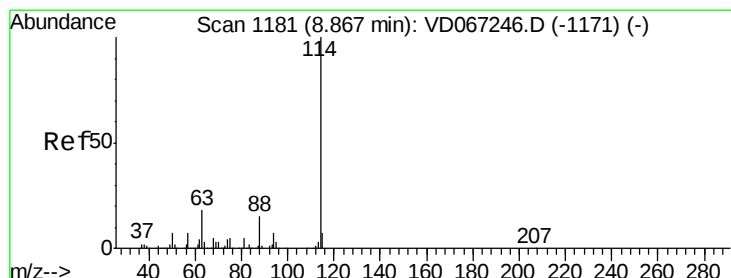
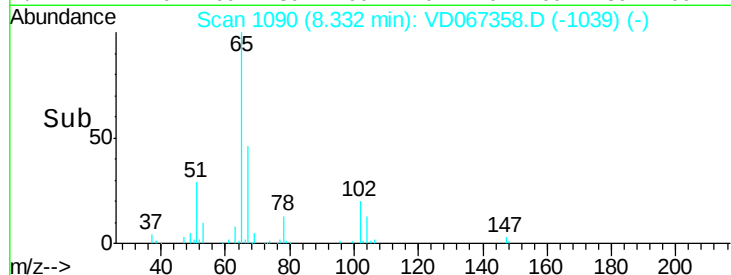


Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD067358.D

Acq: 22 Oct 2020 13:21

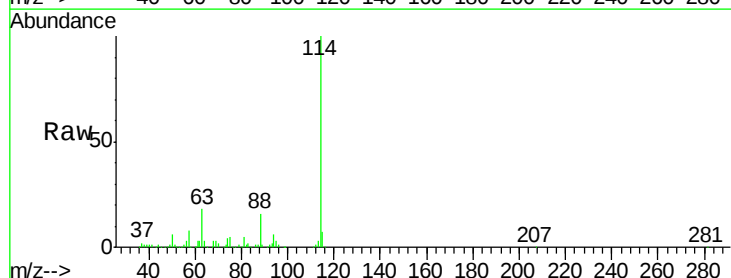
Tgt Ion: 114 Resp: 335414

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.0

88 15.8 0.0 30.6



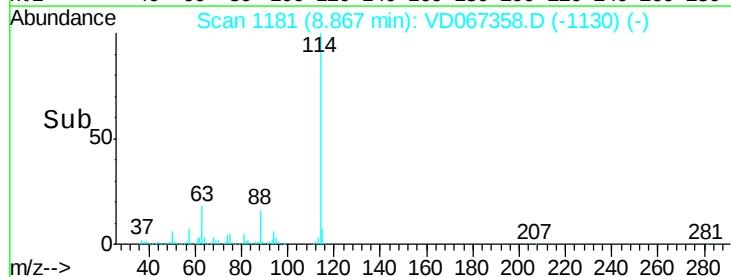
Abundance Ion 113.90 (113.60 to 114.60): V

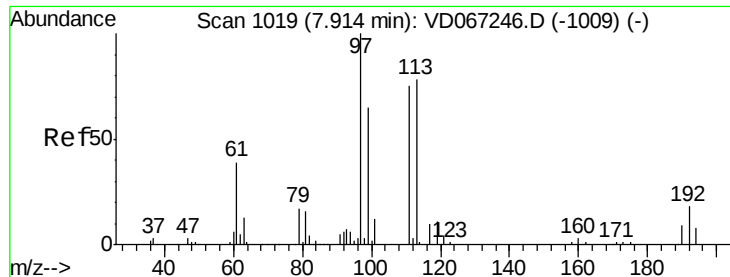
Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

Time--> 8.80 8.90 9.00

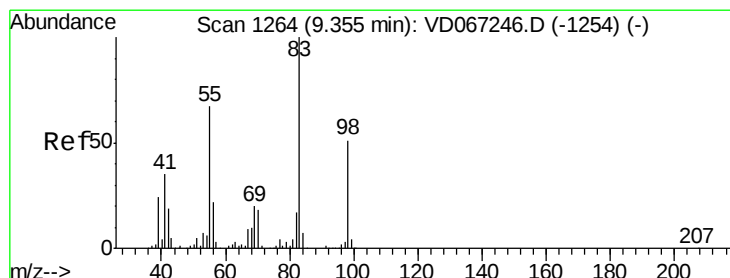
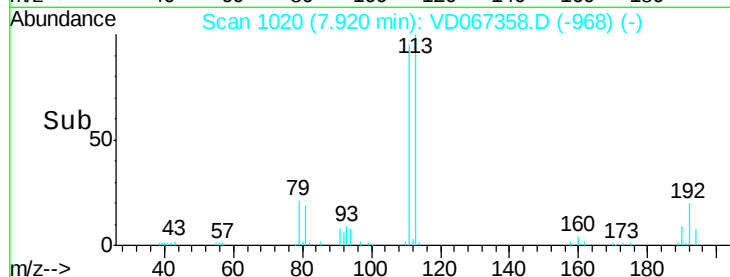
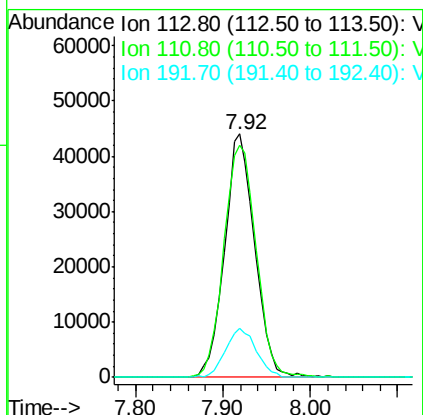
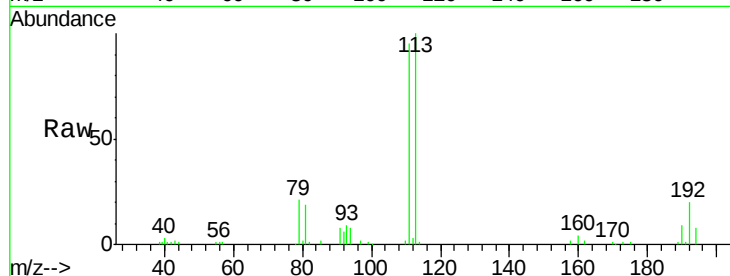




#35
Dibromofluoromethane
Concen: 46.337 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067358.D
Acq: 22 Oct 2020 13:21

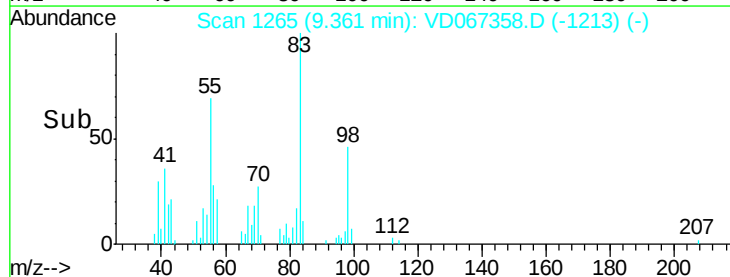
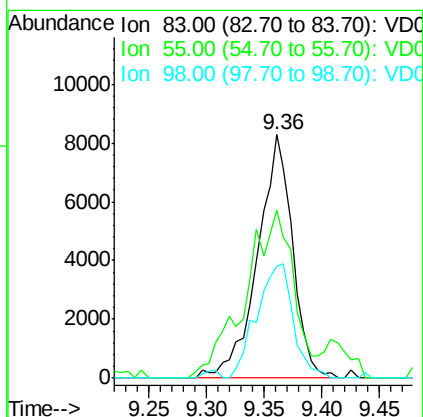
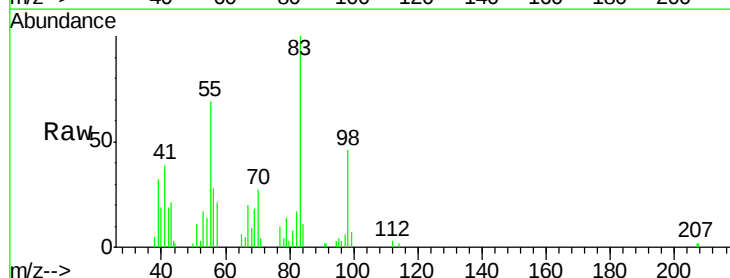
Instrument :
MSVOA_D
ClientSampleId :
CAPEMAY-ST-DRUM

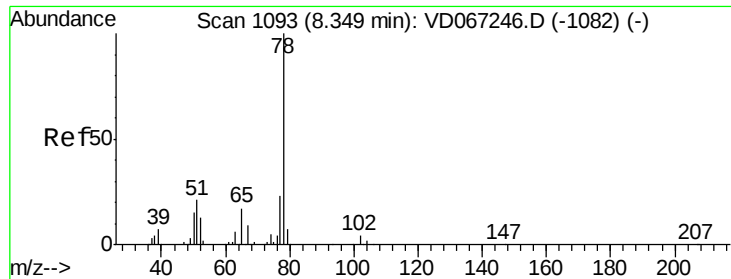
Tot Ion:113 Resp: 103433
Ion Ratio Lower Upper
113 100
111 102.2 81.6 122.4
192 20.3 17.0 25.4



#39
Methylcyclohexane
Concen: 5.893 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067358.D
Acq: 22 Oct 2020 13:21

Tgt Ion: 83 Resp: 17515
Ion Ratio Lower Upper
83 100
55 68.8 53.3 79.9
98 45.7 41.0 61.4





#40

Benzene

Concen: 4.764 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD067358.D

Acq: 22 Oct 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

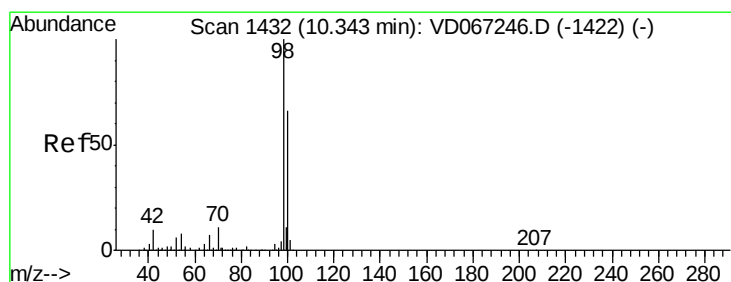
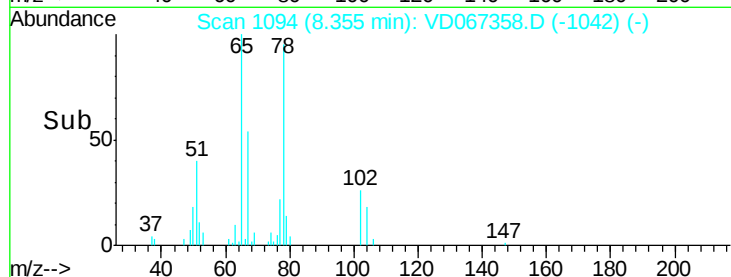
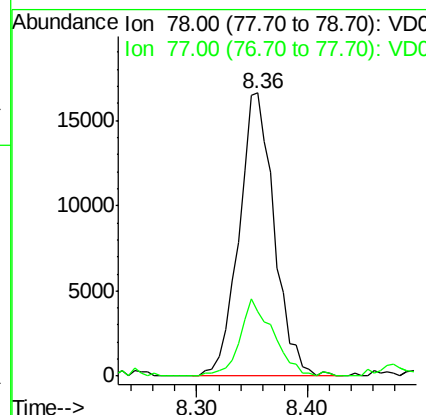
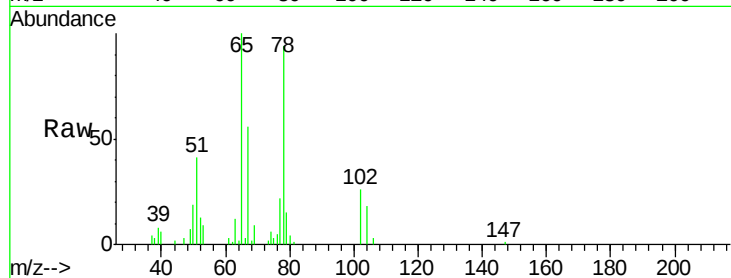
CAPEMAY-ST-DRUM

Tot Ion: 78 Resp: 37152

Ion Ratio Lower Upper

78 100

77 22.9 18.3 27.5



#50

Toluene-d8

Concen: 36.111 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067358.D

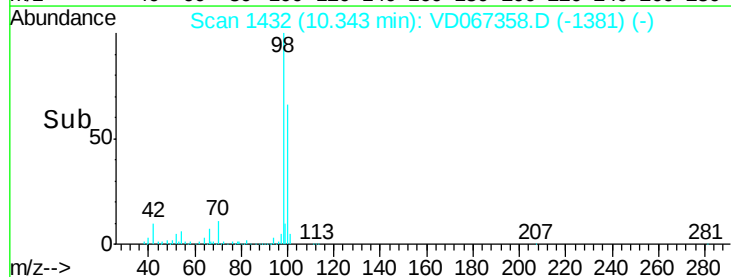
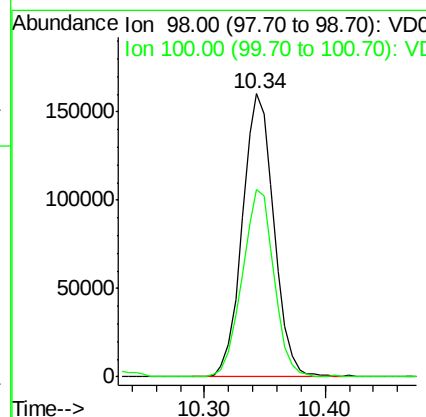
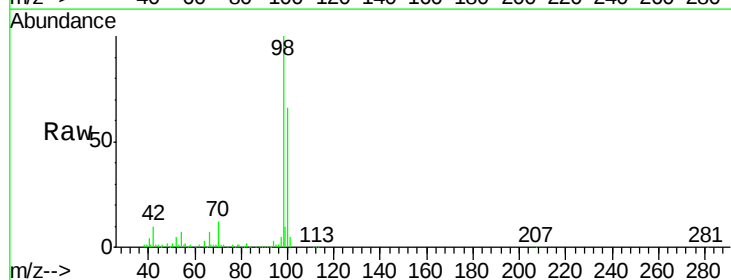
Acq: 22 Oct 2020 13:21

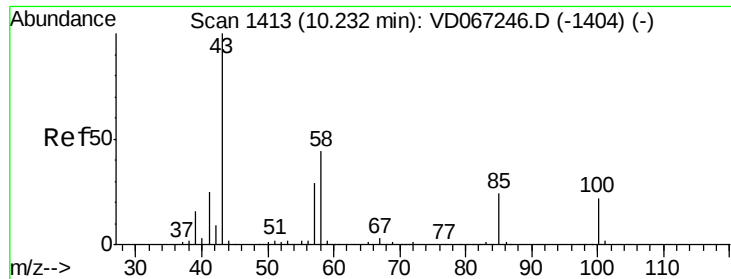
Tgt Ion: 98 Resp: 291710

Ion Ratio Lower Upper

98 100

100 66.7 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 30.204 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067358.D

Acq: 22 Oct 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

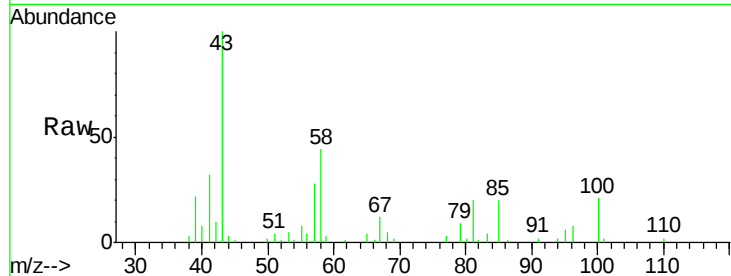
CAPEMAY-ST-DRUM

Tot Ion: 43 Resp: 25003

Ion Ratio Lower Upper

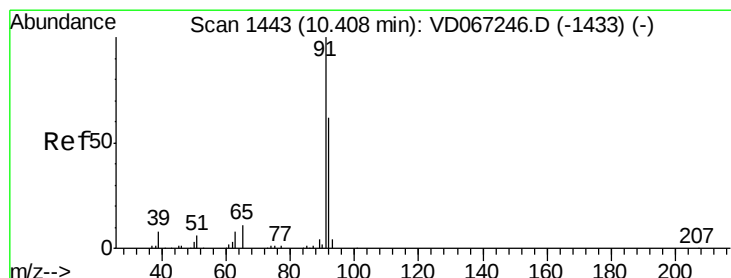
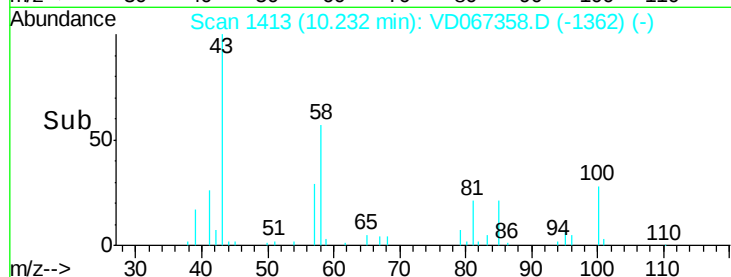
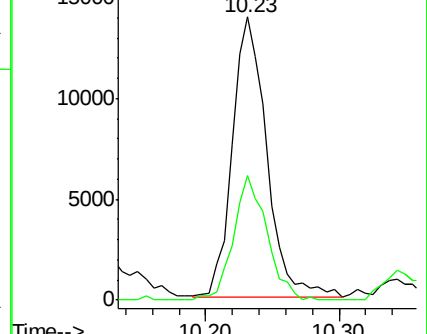
43 100

58 43.0 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 37.883 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067358.D

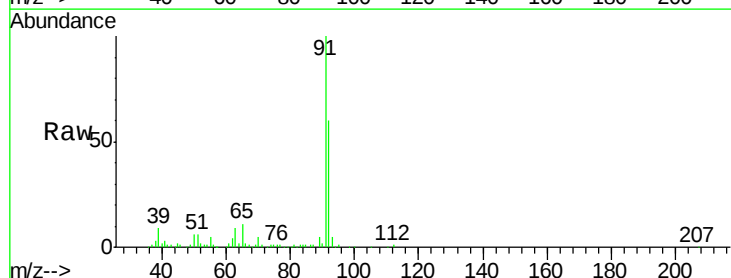
Acq: 22 Oct 2020 13:21

Tgt Ion: 92 Resp: 201233

Ion Ratio Lower Upper

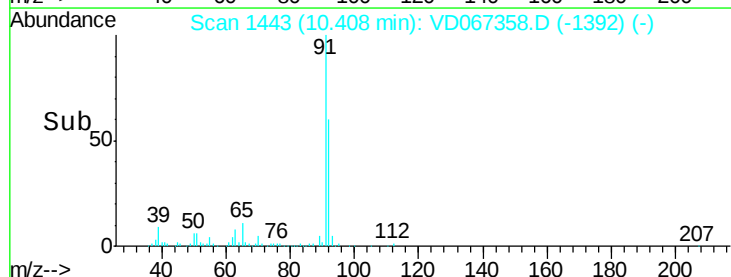
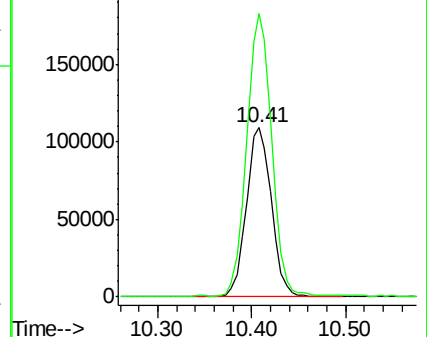
92 100

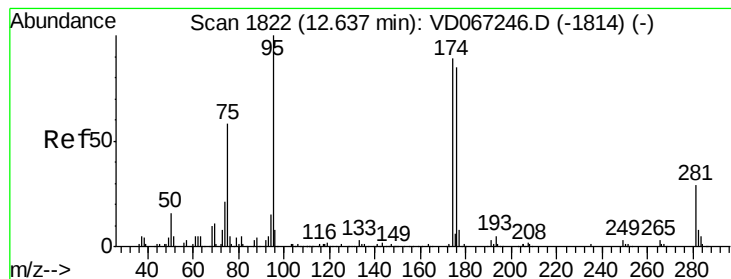
91 165.6 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: 17.619 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067358.D

Acq: 22 Oct 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

CAPEMAY-ST-DRUM

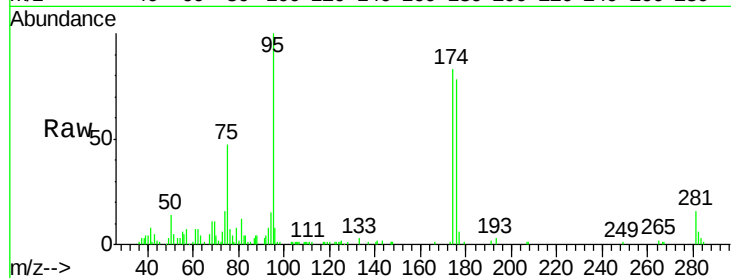
Tot Ion: 95 Resp: 49490

Ion Ratio Lower Upper

95 100

174 88.5 0.0 175.2

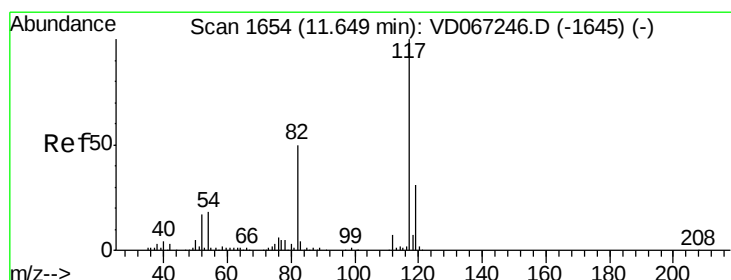
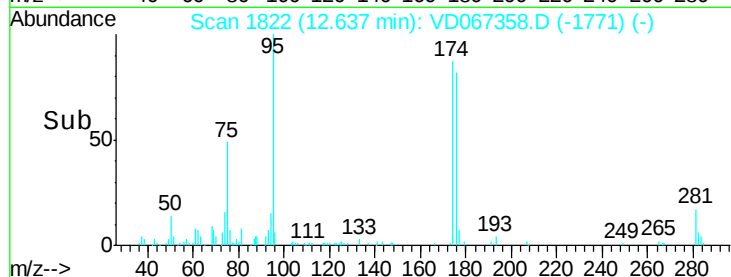
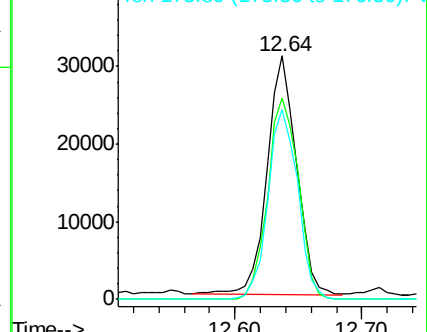
176 80.6 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD067358.D

Acq: 22 Oct 2020 13:21

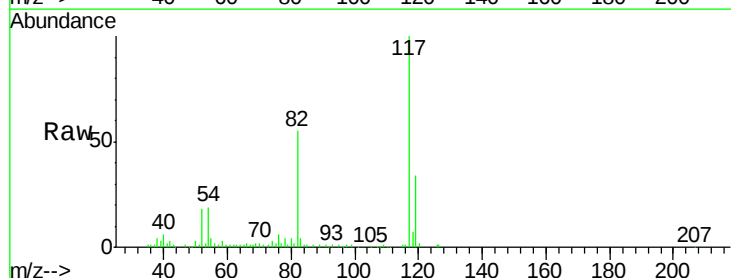
Tgt Ion: 117 Resp: 170844

Ion Ratio Lower Upper

117 100

82 54.7 39.9 59.9

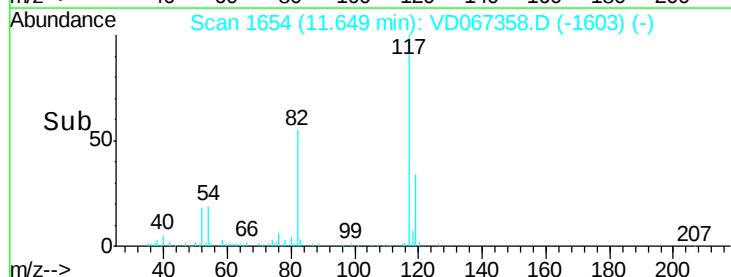
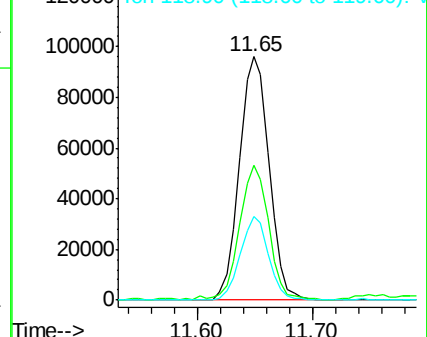
119 34.2 24.9 37.3

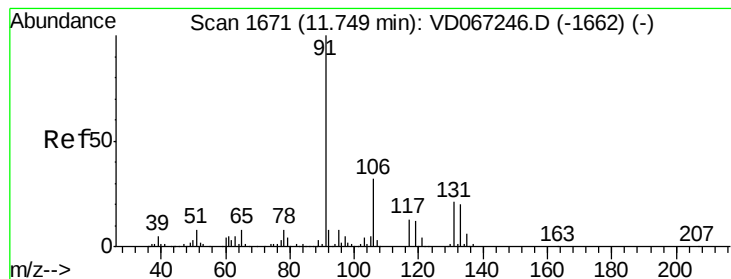


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 6.874 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067358.D

Acq: 22 Oct 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

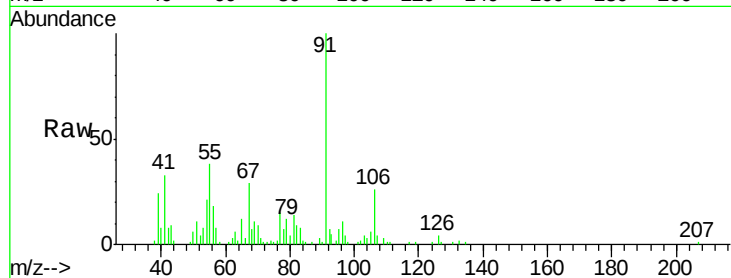
CAPEMAY-ST-DRUM

Tot Ion: 91 Resp: 38603

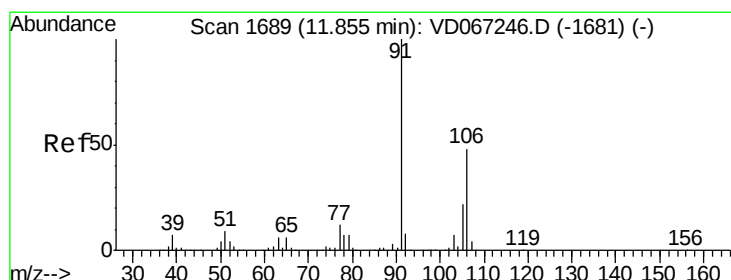
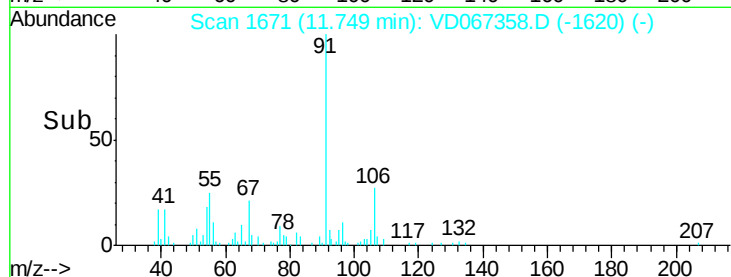
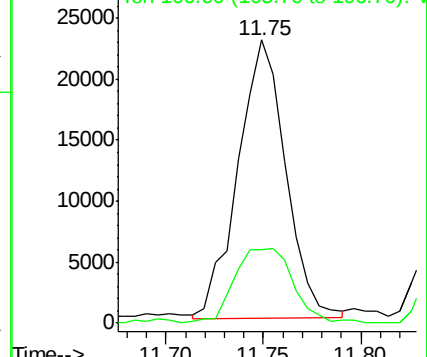
Ion Ratio Lower Upper

91 100

106 26.1 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VD067246.D (-1662) (-)



#68

m/p-Xylenes

Concen: 22.665 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD067358.D

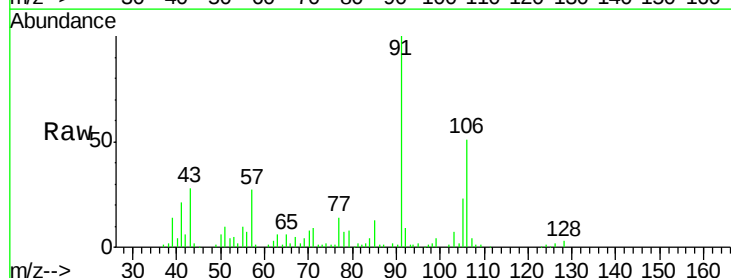
Acq: 22 Oct 2020 13:21

Tgt Ion: 106 Resp: 49016

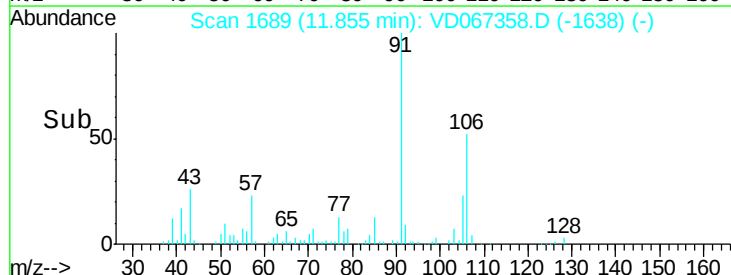
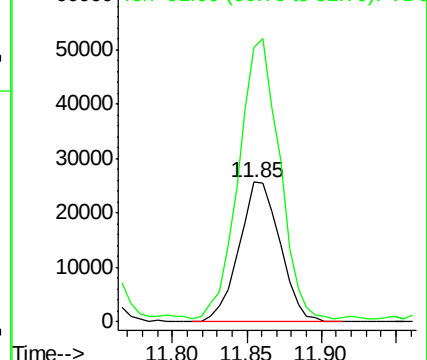
Ion Ratio Lower Upper

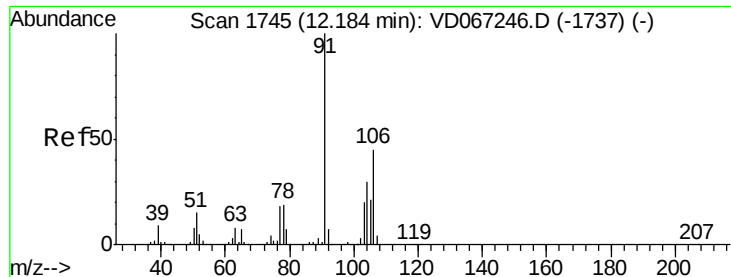
106 100

91 198.6 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): VD067246.D (-1681) (-)

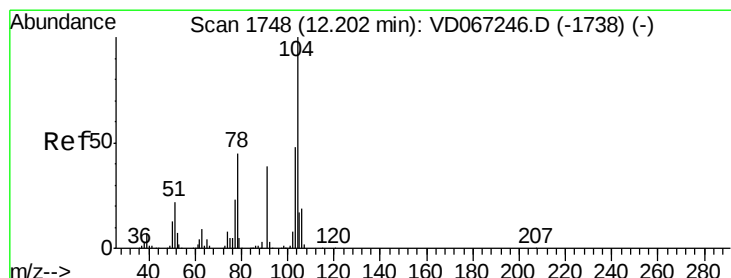
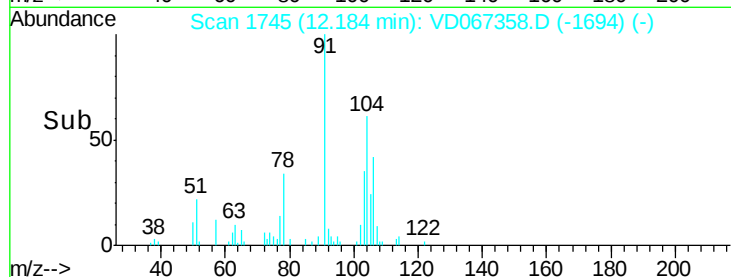
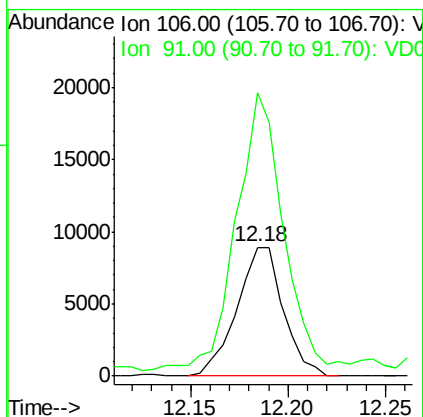
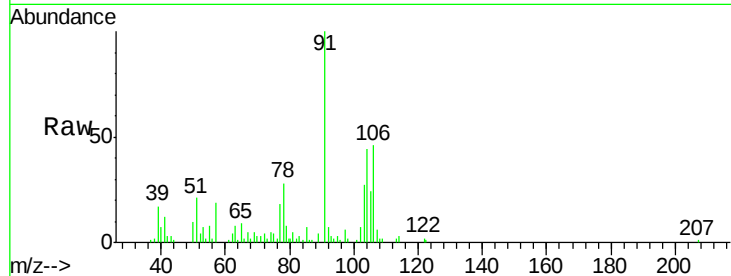




#69
o-Xylene
Concen: 7.356 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067358.D
Acq: 22 Oct 2020 13:21

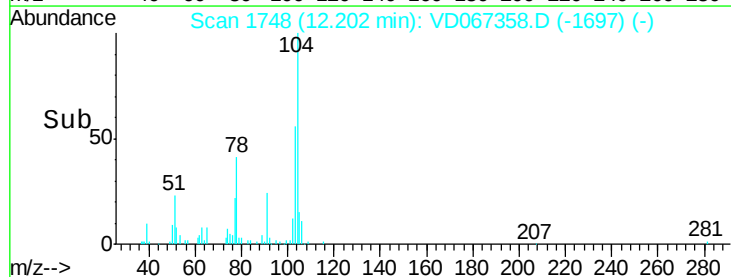
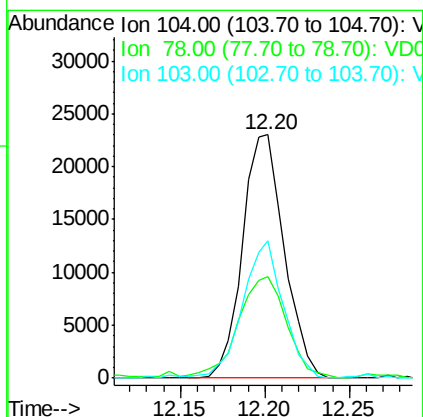
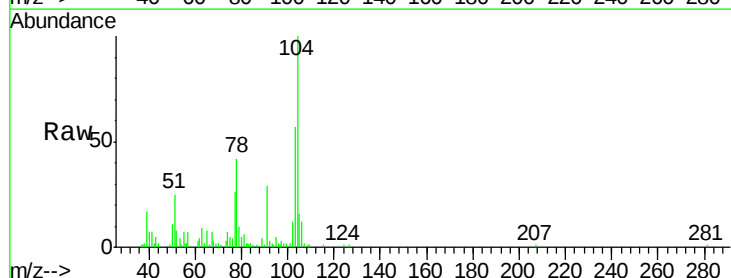
Instrument :
MSVOA_D
ClientSampleId :
CAPEMAY-ST-DRUM

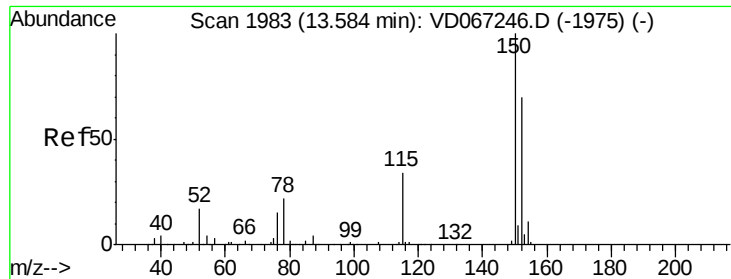
Tot Ion:106 Resp: 14730
Ion Ratio Lower Upper
106 100
91 217.5 109.1 327.3



#70
Styrene
Concen: 11.457 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067358.D
Acq: 22 Oct 2020 13:21

Tgt Ion:104 Resp: 39497
Ion Ratio Lower Upper
104 100
78 48.6 39.8 59.6
103 55.8 42.6 64.0



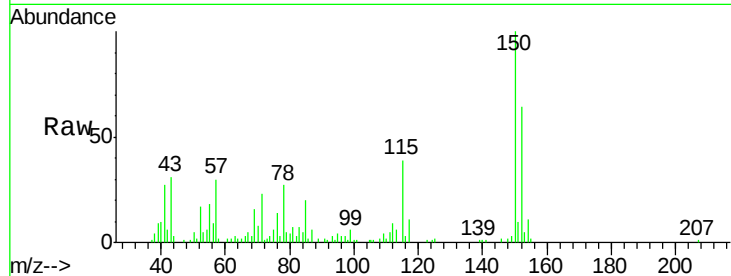


#72

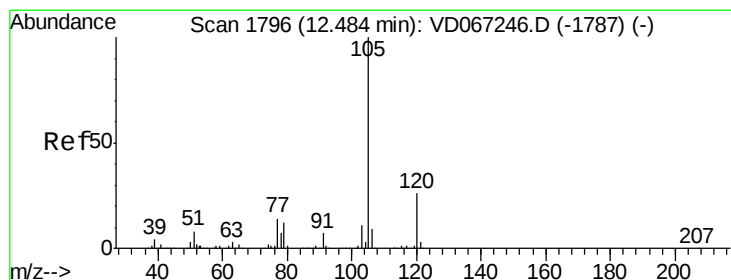
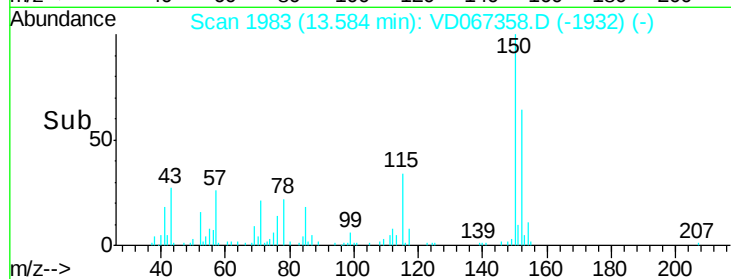
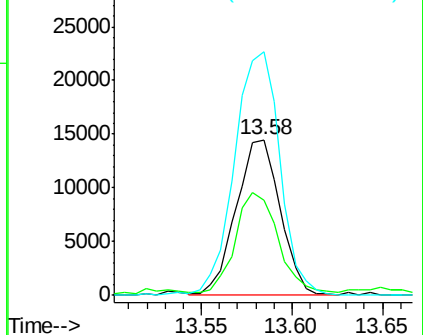
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD067358.D
Acq: 22 Oct 2020 13:21

Instrument :
MSVOA_D
ClientSampleId :
CAPEMAY-ST-DRUM

Tot Ion:152 Resp: 24599
Ion Ratio Lower Upper
152 100
115 61.3 29.3 87.9
150 161.9 0.0 339.0



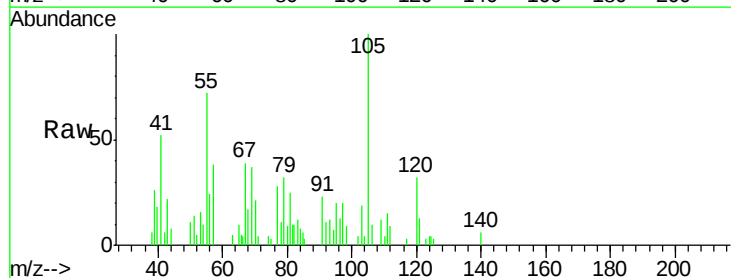
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



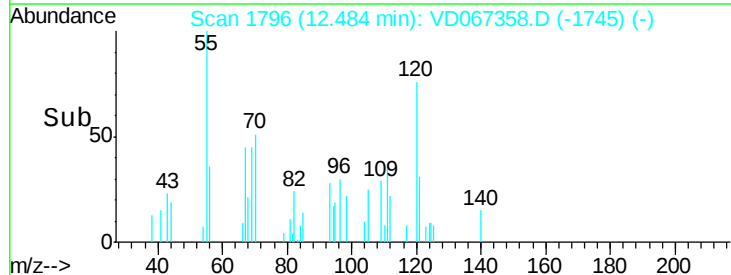
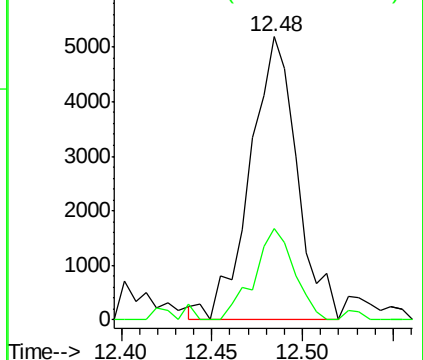
#73

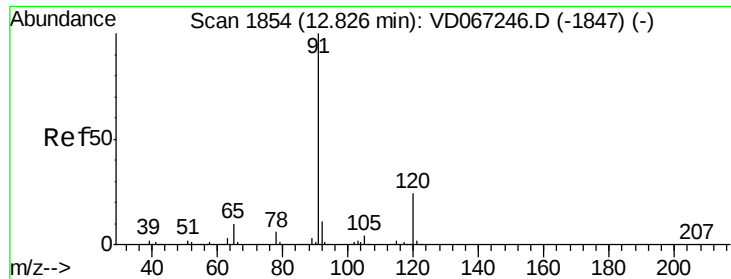
Isopropylbenzene
Concen: 5.989 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD067358.D
Acq: 22 Oct 2020 13:21

Tgt Ion:105 Resp: 9350
Ion Ratio Lower Upper
105 100
120 27.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 8.765 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067358.D

Acq: 22 Oct 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

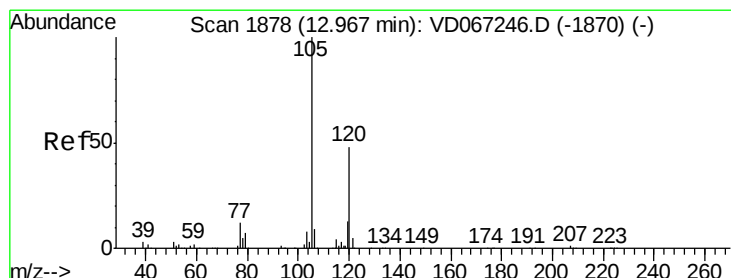
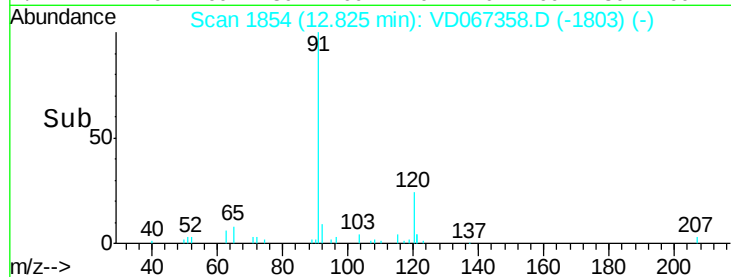
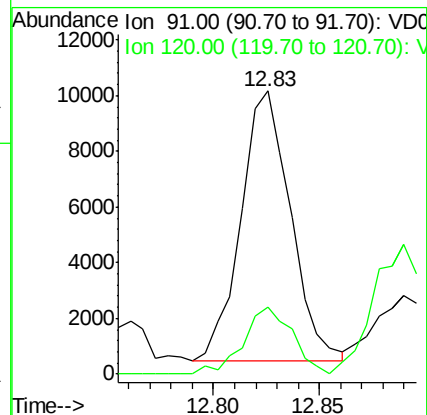
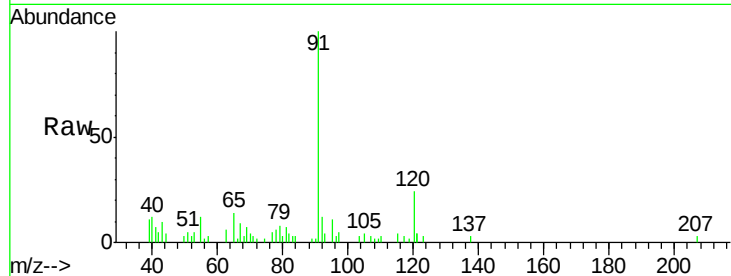
CAPEMAY-ST-DRUM

Tot Ion: 91 Resp: 15854

Ion Ratio Lower Upper

91 100

120 24.4 11.9 35.9



#80

1,3,5-Trimethylbenzene

Concen: 9.052 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD067358.D

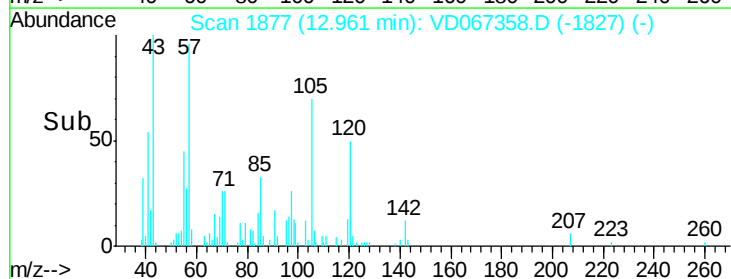
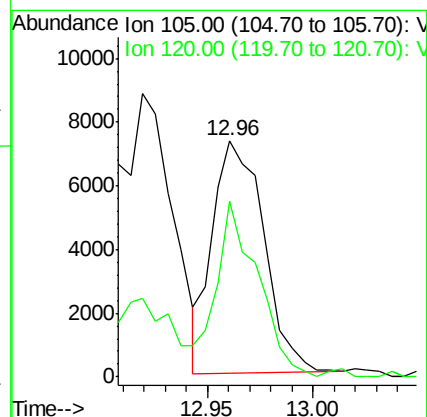
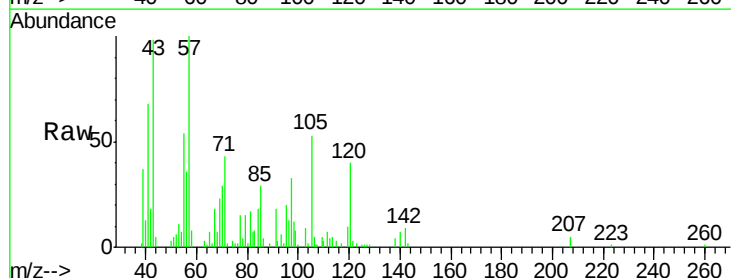
Acq: 22 Oct 2020 13:21

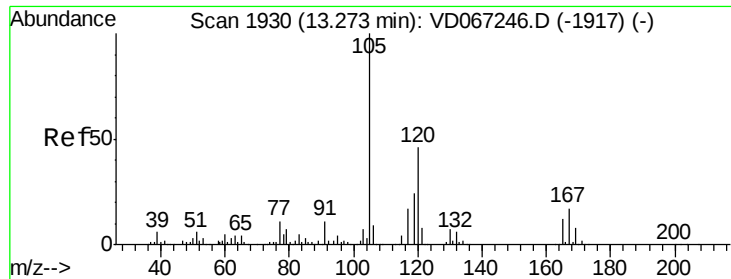
Tgt Ion:105 Resp: 12281

Ion Ratio Lower Upper

105 100

120 64.1 24.3 72.8

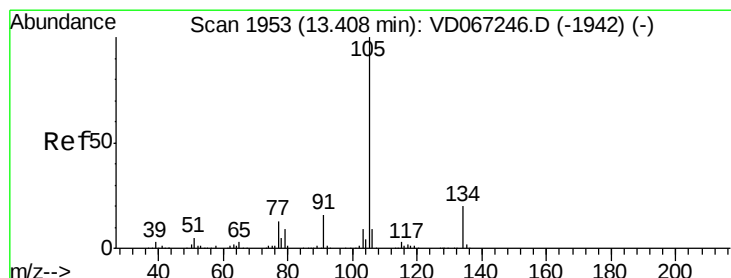
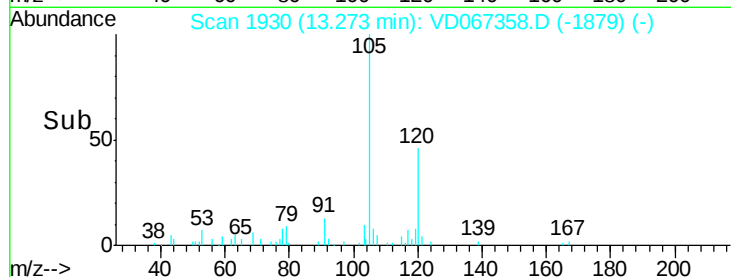
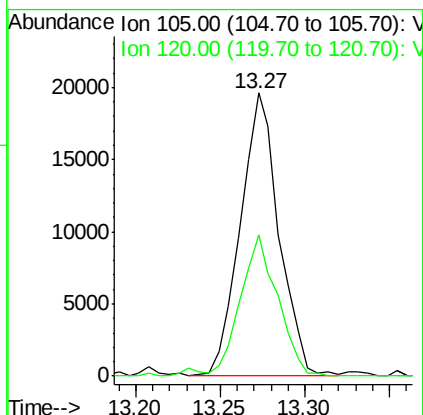
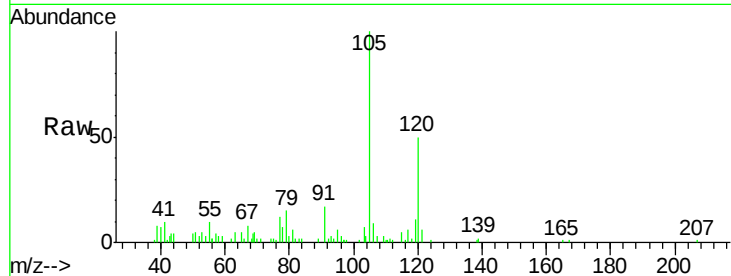




#84
 1,2,4-Trimethylbenzene
 Concen: 23.358 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD067358.D
 Acq: 22 Oct 2020 13:21

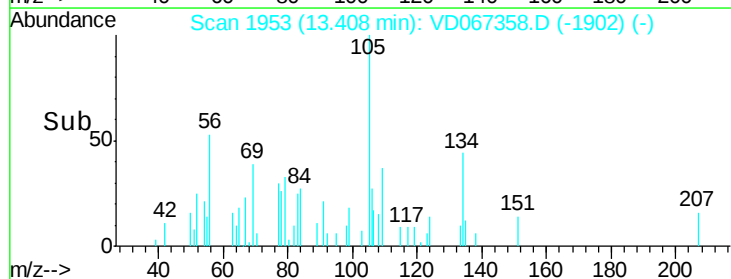
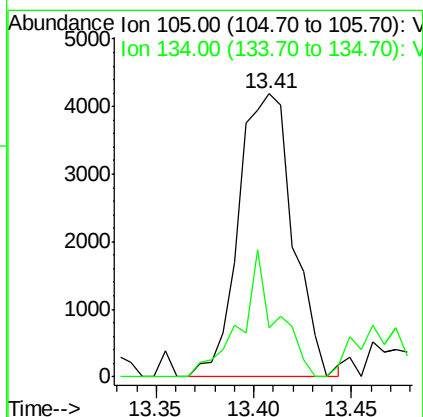
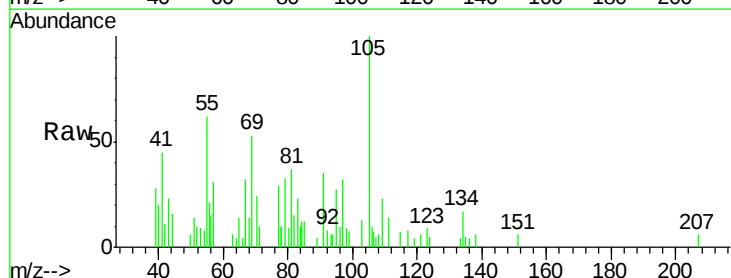
Instrument :
 MSVOA_D
 ClientSampleId :
 CAPEMAY-ST-DRUM

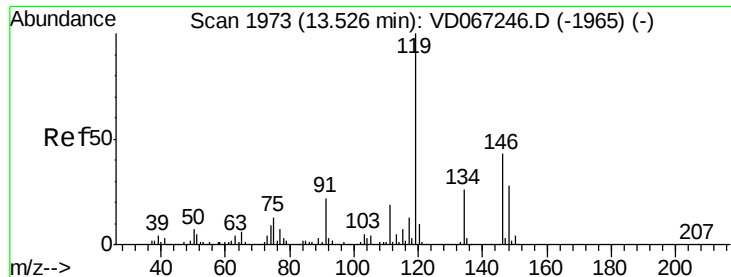
Tot Ion:105 Resp: 31321
 Ion Ratio Lower Upper
 105 100
 120 47.8 22.4 67.3



#85
 sec-Butylbenzene
 Concen: 5.150 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD067358.D
 Acq: 22 Oct 2020 13:21

Tgt Ion:105 Resp: 8099
 Ion Ratio Lower Upper
 105 100
 134 29.6 10.5 31.5

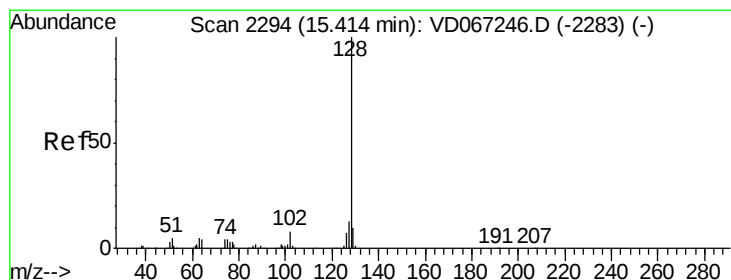
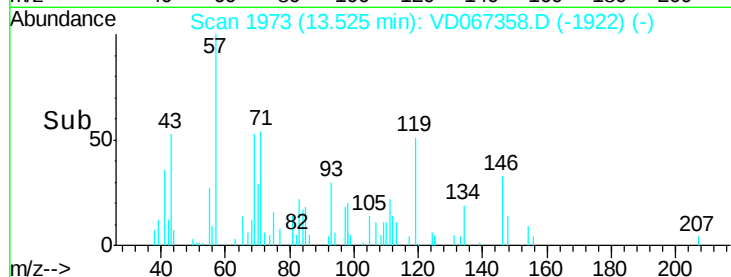
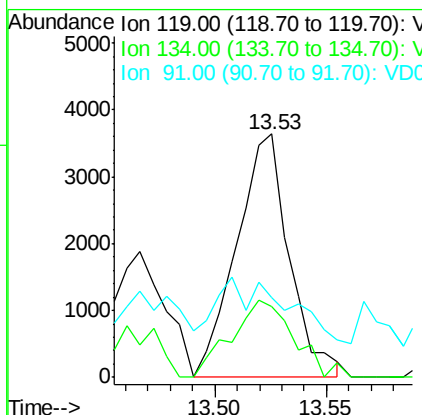
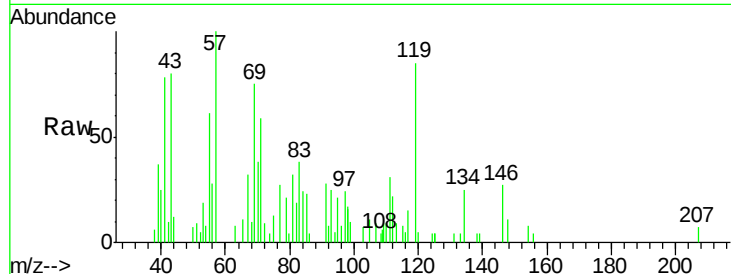




#86
 p-Isopropyltoluene
 Concen: 4.047 ug/l m
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD067358.D
 Acq: 22 Oct 2020 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 CAPEMAY-ST-DRUM

Tot Ion:119 Resp: 6006
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.1 39.3#
 91 0.0 11.9 35.9#



#95
 Naphthalene
 Concen: 13.099 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. -0.01 min
 Lab File: VD067358.D
 Acq: 22 Oct 2020 13:21

Tgt Ion:128 Resp: 9490
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.4 15.6
 129 16.2 8.6 12.8#

