

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102220\
 Data File : VD067360.D
 Acq On : 22 Oct 2020 14:16
 Operator : VA/SY
 Sample : L4460-01RE
 Misc : 1.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CAPEMAY-ST-DRUMRE

Quant Time: Oct 22 16:09:17 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	195906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	305994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	157366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	19606	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	96900	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
35) Dibromofluoromethane	7.91	113	98859	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
50) Toluene-d8	10.34	98	265514	36.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.06%	
62) 4-Bromofluorobenzene	12.64	95	44602	17.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.82%	

Target Compounds

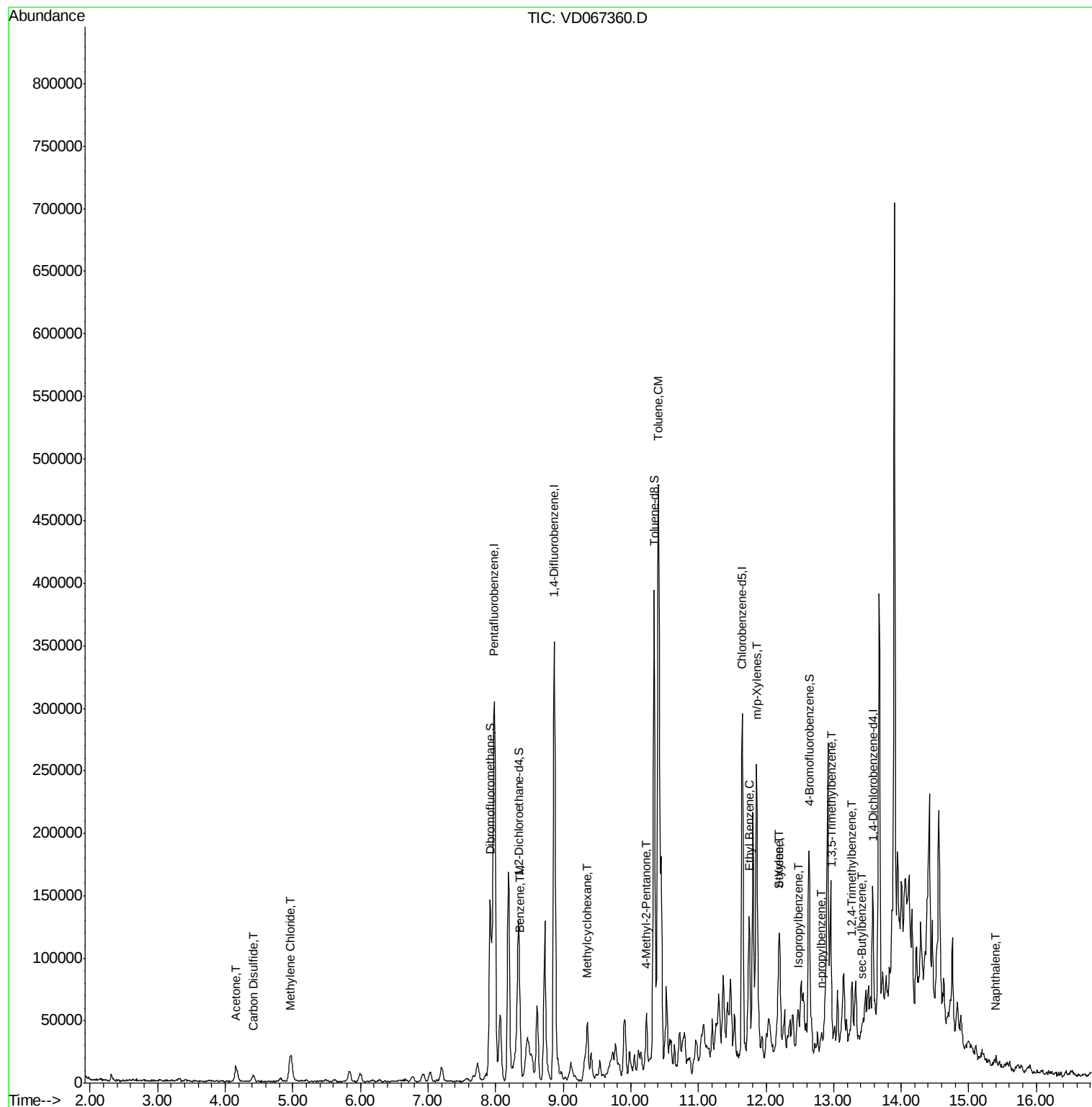
						Qvalue
16) Acetone	4.16	43	21077	76.679	ug/l	89
17) Carbon Disulfide	4.41	76	10393	2.255	ug/l #	92
20) Methylene Chloride	4.96	84	18641	6.700	ug/l	87
39) Methylcyclohexane	9.36	83	14974	5.523	ug/l	88
40) Benzene	8.36	78	32637	4.587	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	25182	33.345	ug/l	95
52) Toluene	10.41	92	189109	39.024	ug/l	98
67) Ethyl Benzene	11.75	91	34452	6.660	ug/l	96
68) m/p-Xylenes	11.86	106	47456	23.823	ug/l	96
69) o-Xylene	12.19	106	13865	7.517	ug/l	94
70) Styrene	12.20	104	37668	11.863	ug/l	96
73) Isopropylbenzene	12.48	105	5832	4.687	ug/l	85
78) n-propylbenzene	12.83	91	14649	10.161	ug/l	89
80) 1,3,5-Trimethylbenzene	12.97	105	10226	9.457	ug/l	81
84) 1,2,4-Trimethylbenzene	13.27	105	32254	30.179	ug/l	99
85) sec-Butylbenzene	13.41	105	4603	3.673	ug/l #	70
95) Naphthalene	15.41	128	7399	12.814	ug/l #	95

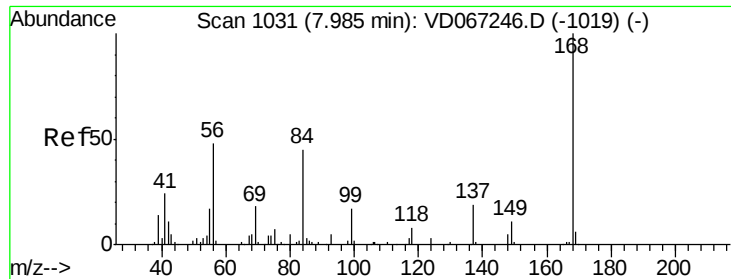
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102220\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067360.D

Acq: 22 Oct 2020 14:16

Instrument :

MSVOA_D

ClientSampleId :

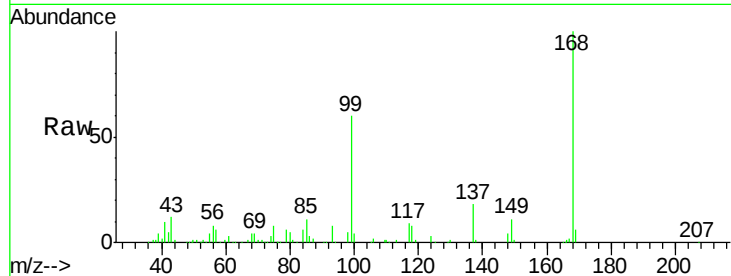
CAPEMAY-ST-DRUMRE

Tot Ion:168 Resp: 195906

Ion Ratio Lower Upper

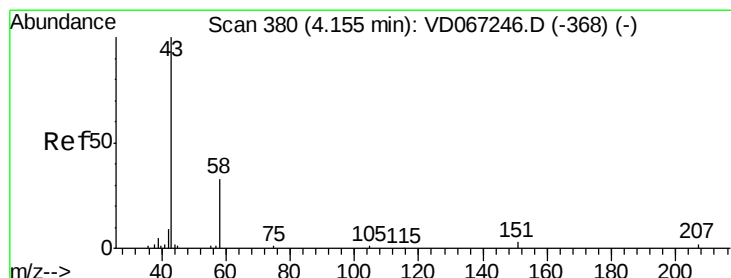
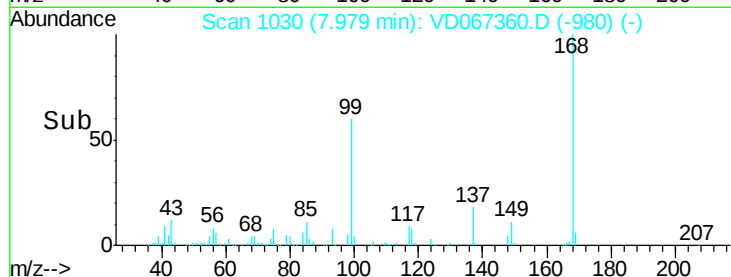
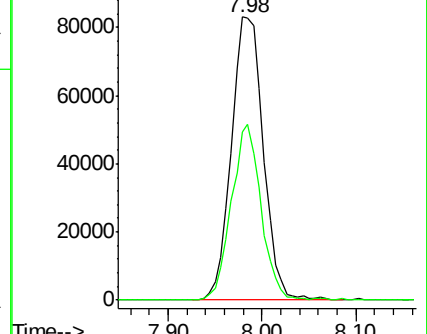
168 100

99 59.6 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: 76.679 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067360.D

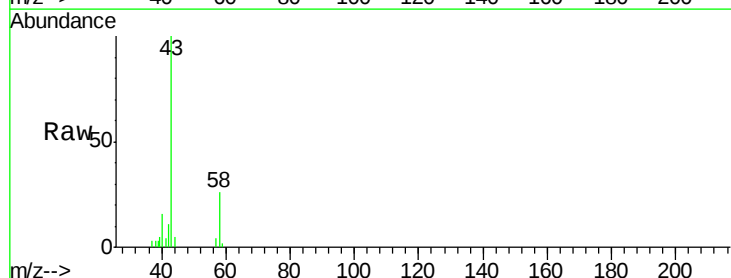
Acq: 22 Oct 2020 14:16

Tgt Ion: 43 Resp: 21077

Ion Ratio Lower Upper

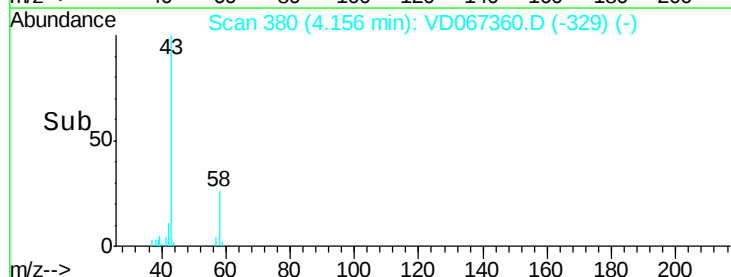
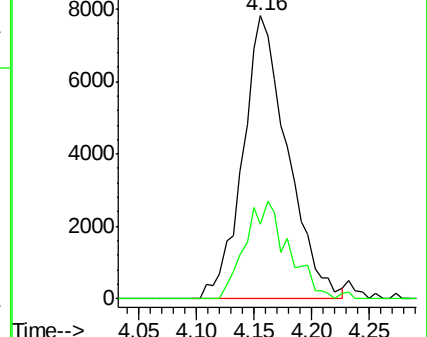
43 100

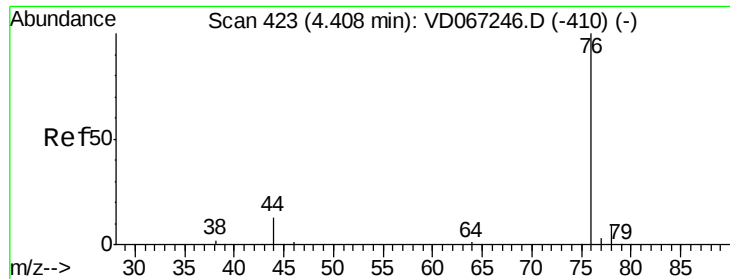
58 26.2 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

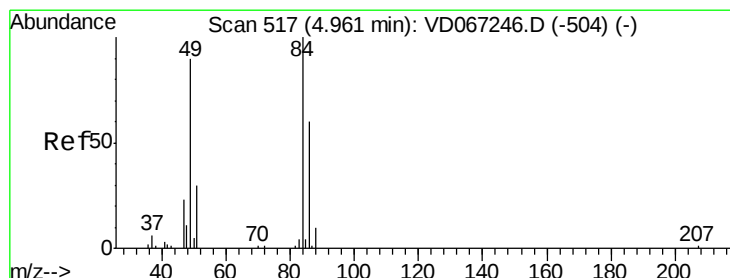
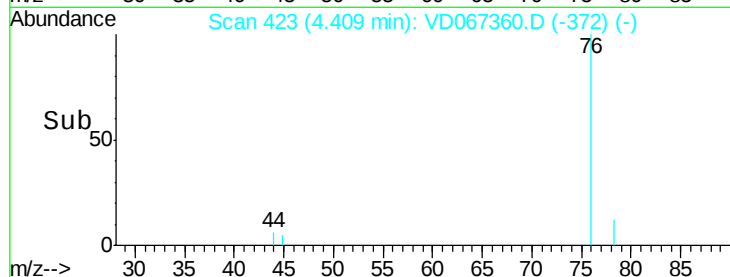
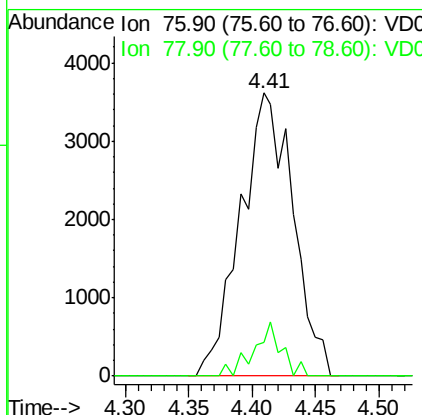
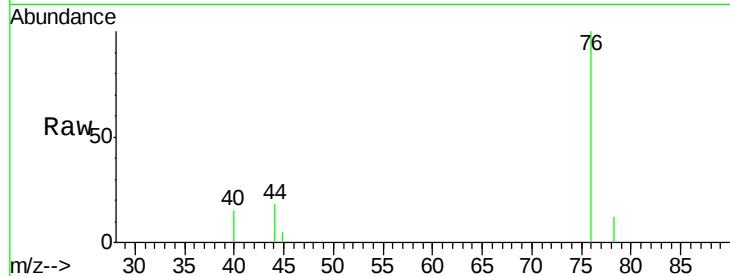




#17
Carbon Disulfide
Concen: 2.255 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067360.D
Acq: 22 Oct 2020 14:16

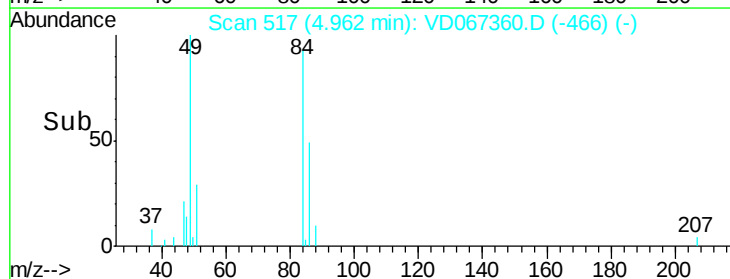
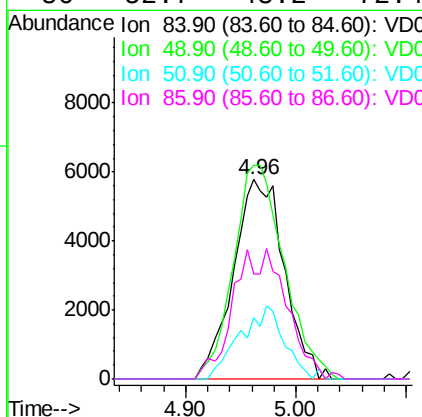
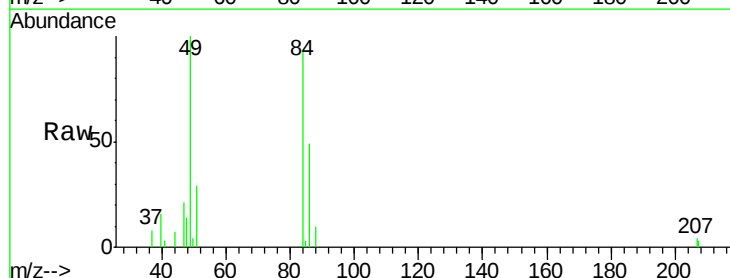
Instrument :
MSVOA_D
ClientSampleId :
CAPEMAY-ST-DRUMRE

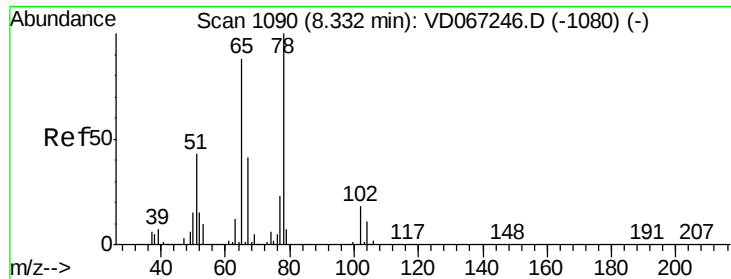
Tot Ion: 76 Resp: 10393
Ion Ratio Lower Upper
76 100
78 12.0 7.4 11.0#



#20
Methylene Chloride
Concen: 6.700 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067360.D
Acq: 22 Oct 2020 14:16

Tgt Ion: 84 Resp: 18641
Ion Ratio Lower Upper
84 100
49 107.1 72.2 108.2
51 31.0 23.8 35.8
86 52.7 48.2 72.4





#33

1,2-Dichloroethane-d4

Concen: 49.371 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067360.D

Acq: 22 Oct 2020 14:16

Instrument :

MSVOA_D

ClientSampleId :

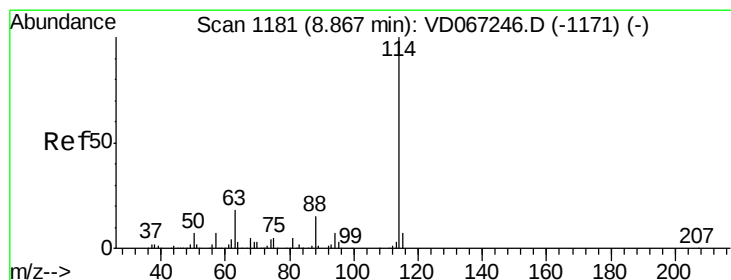
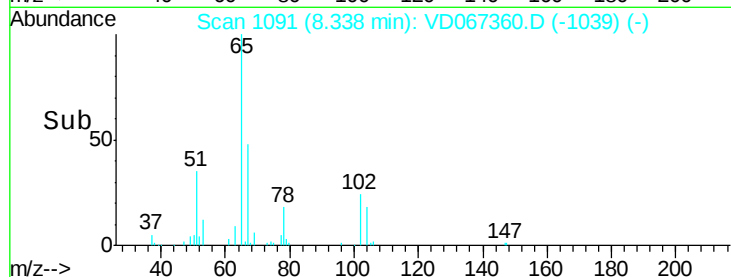
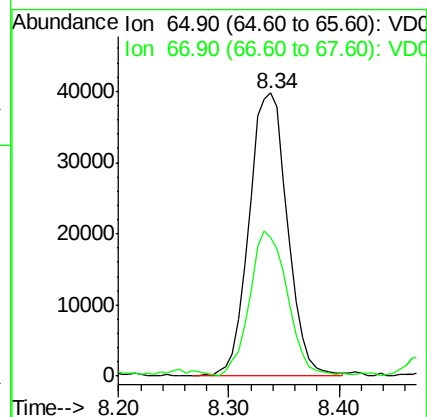
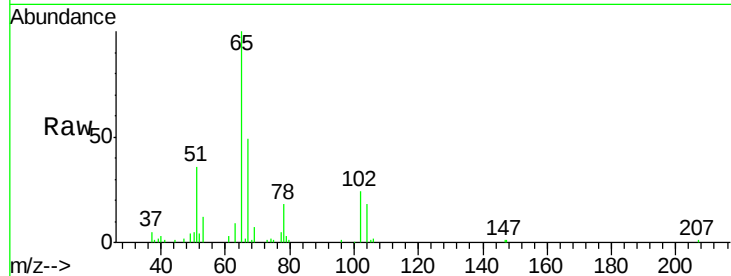
CAPEMAY-ST-DRUMRE

Tot Ion: 65 Resp: 96900

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067360.D

Acq: 22 Oct 2020 14:16

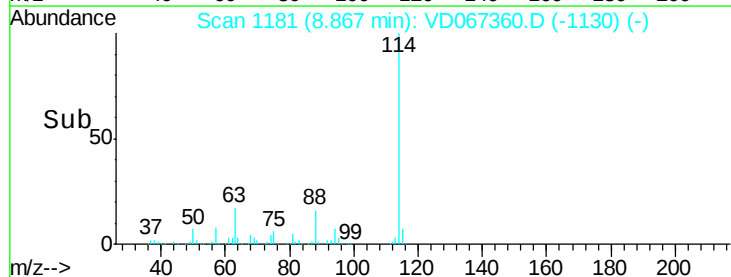
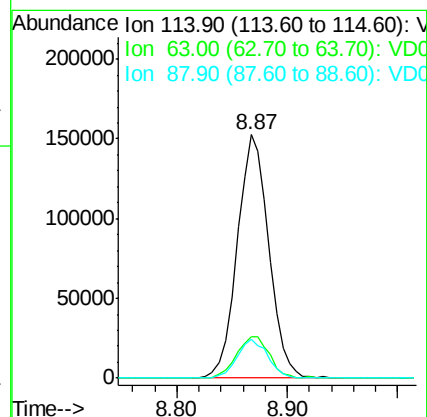
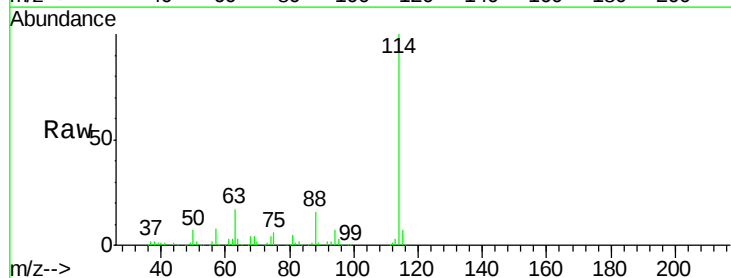
Tgt Ion: 114 Resp: 305994

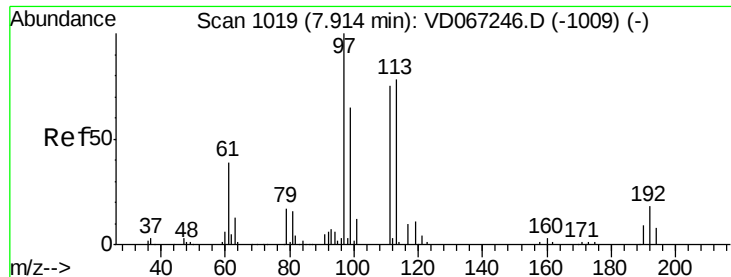
Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.0

88 15.9 0.0 30.6

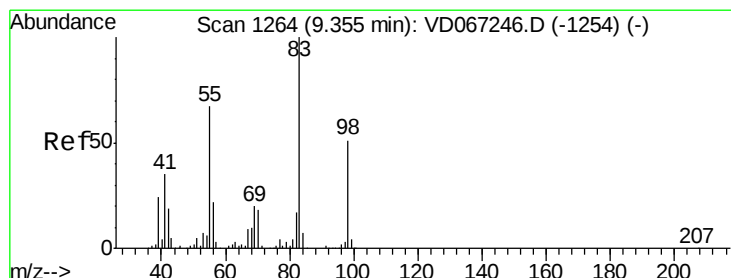
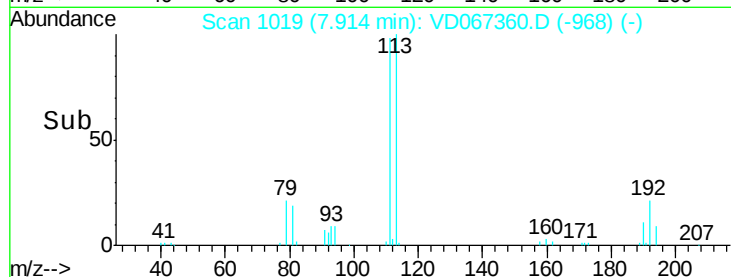
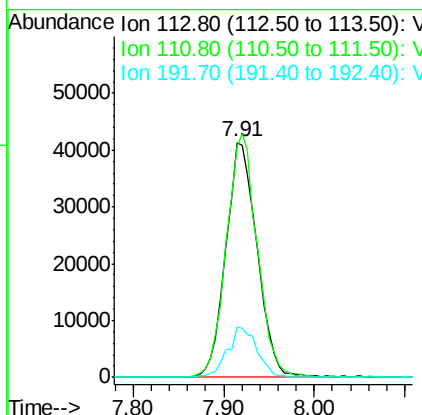
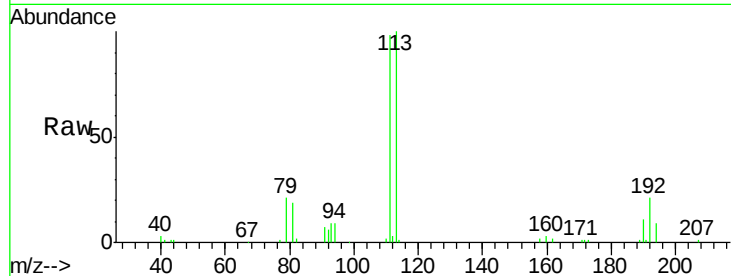




#35
 Dibromofluoromethane
 Concen: 48.546 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067360.D
 Acq: 22 Oct 2020 14:16

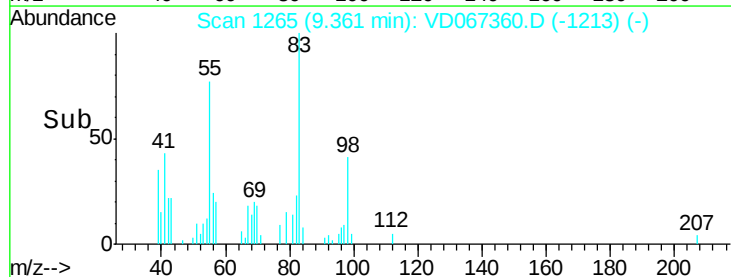
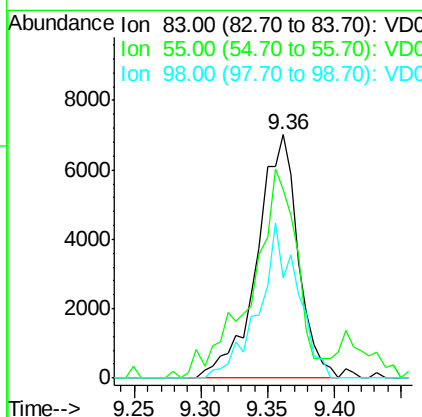
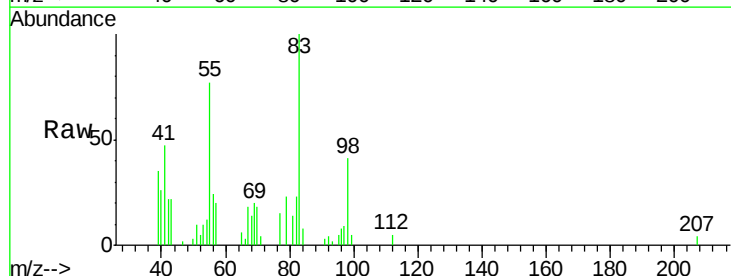
Instrument :
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 ClientSampleId :
 CAPEMAY-ST-DRUMRE

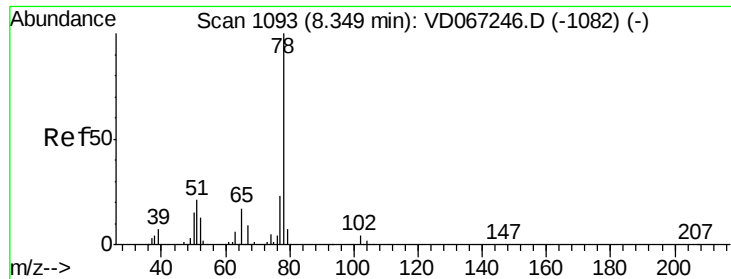
Tot Ion:113 Resp: 98859
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.6 122.4
 192 20.4 17.0 25.4



#39
 Methylcyclohexane
 Concen: 5.523 ug/l
 RT: 9.36 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VD067360.D
 Acq: 22 Oct 2020 14:16

Tgt Ion: 83 Resp: 14974
 Ion Ratio Lower Upper
 83 100
 55 74.7 53.3 79.9
 98 41.0 41.0 61.4

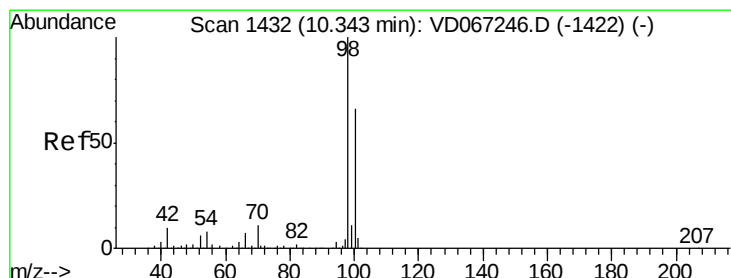
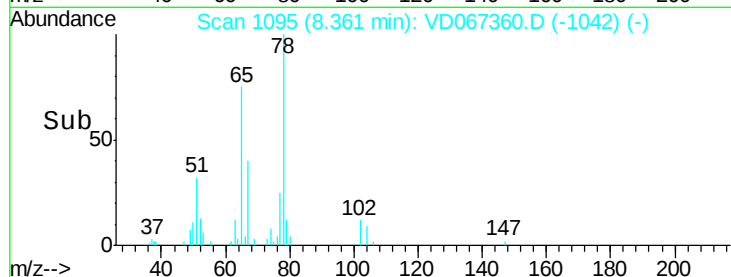
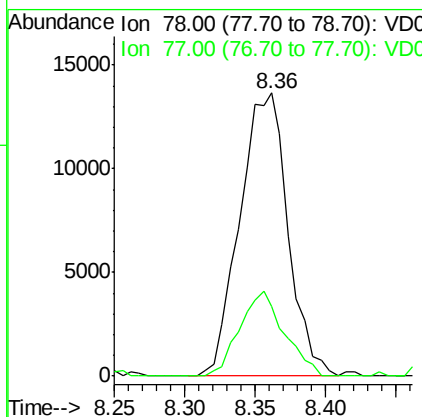
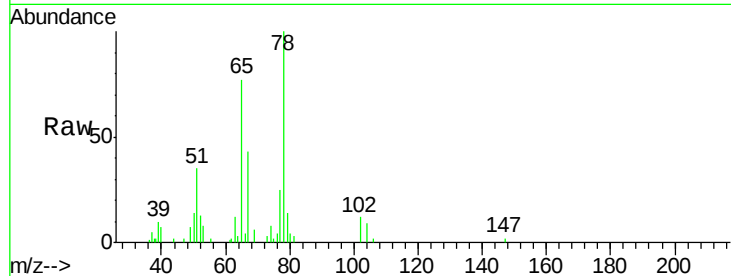




#40
Benzene
Concen: 4.587 ug/l
RT: 8.36 min Scan# 1095
Delta R.T. 0.01 min
Lab File: VD067360.D
Acq: 22 Oct 2020 14:16

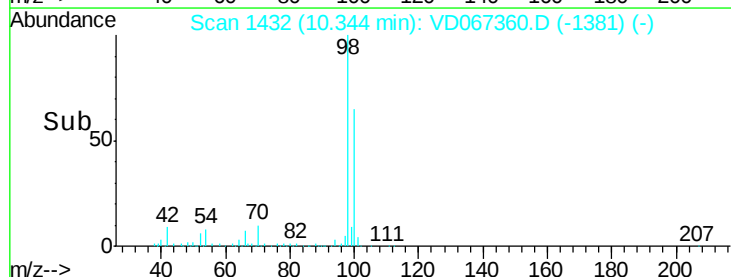
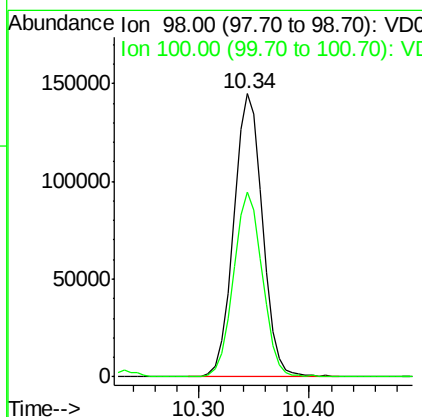
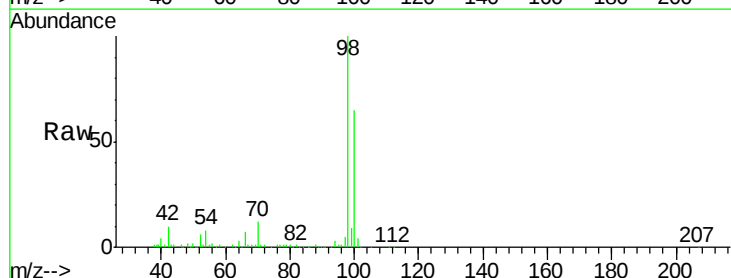
Instrument :
MSVOA_D
ClientSampleId :
CAPEMAY-ST-DRUMRE

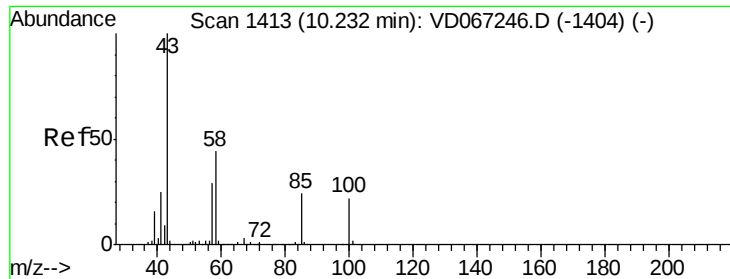
Tot Ion: 78 Resp: 32637
Ion Ratio Lower Upper
78 100
77 24.7 18.3 27.5



#50
Toluene-d8
Concen: 36.029 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067360.D
Acq: 22 Oct 2020 14:16

Tgt Ion: 98 Resp: 265514
Ion Ratio Lower Upper
98 100
100 65.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 33.345 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067360.D

Acq: 22 Oct 2020 14:16

Instrument :

MSVOA_D

ClientSampleId :

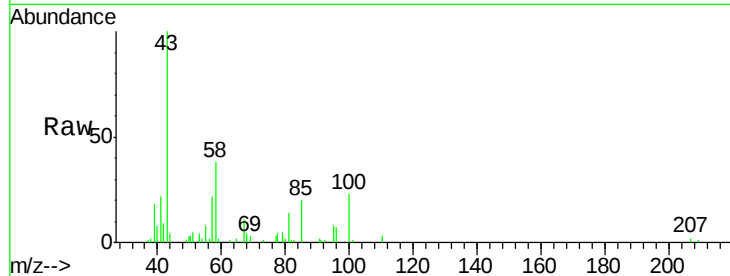
CAPEMAY-ST-DRUMRE

Tot Ion: 43 Resp: 25182

Ion Ratio Lower Upper

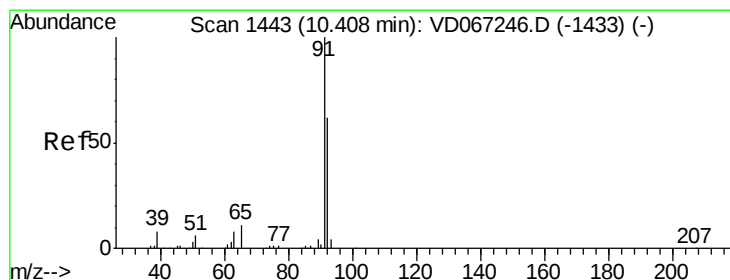
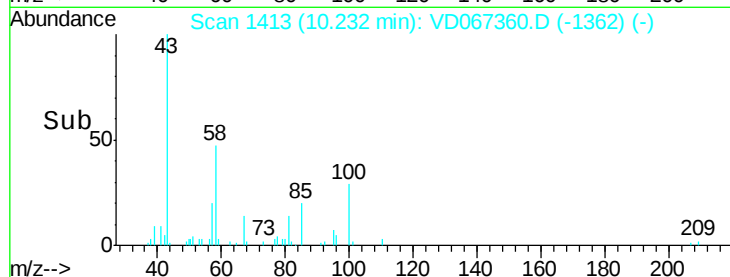
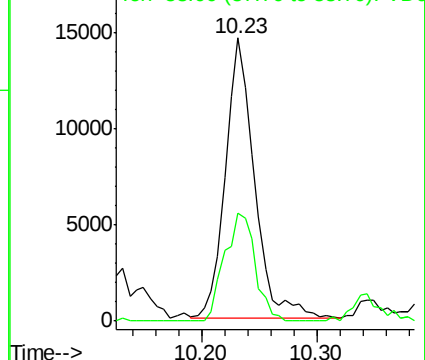
43 100

58 41.0 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: 39.024 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067360.D

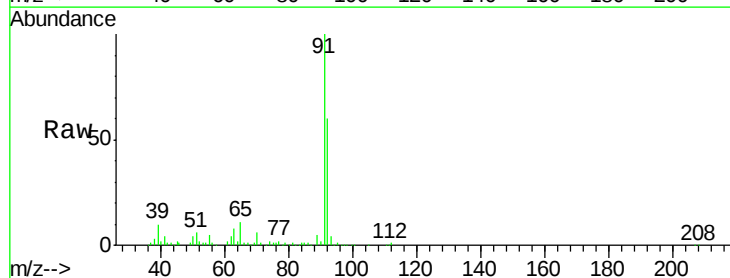
Acq: 22 Oct 2020 14:16

Tgt Ion: 92 Resp: 189109

Ion Ratio Lower Upper

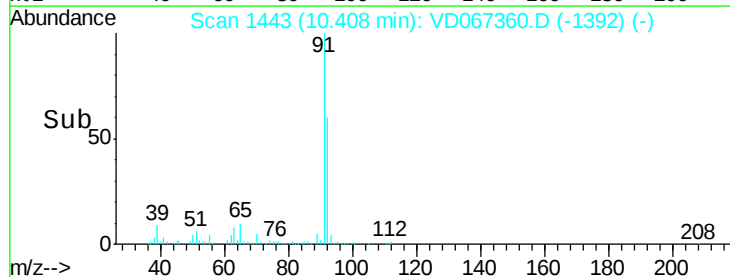
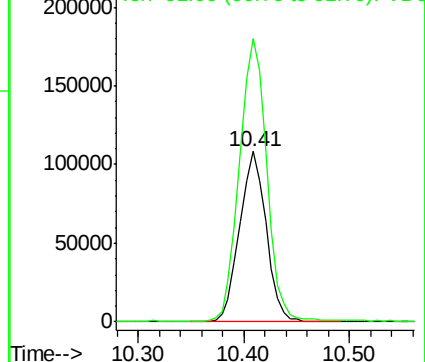
92 100

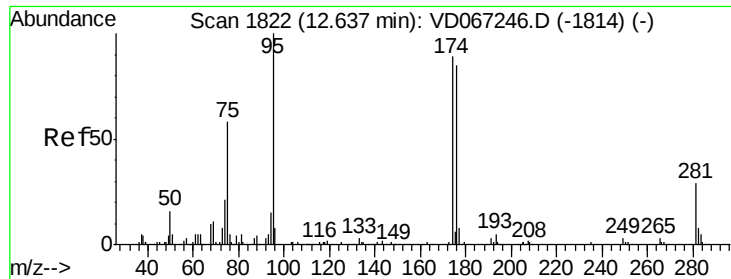
91 169.5 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

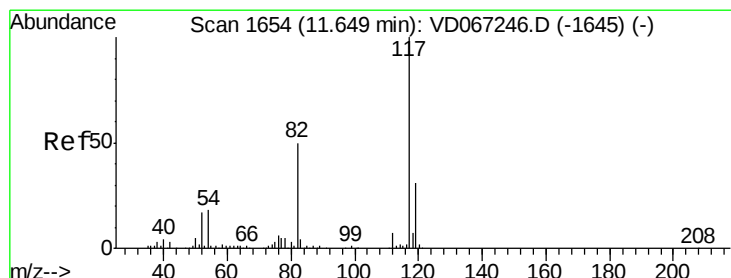
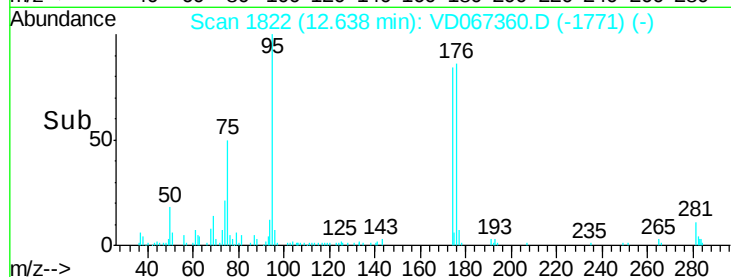
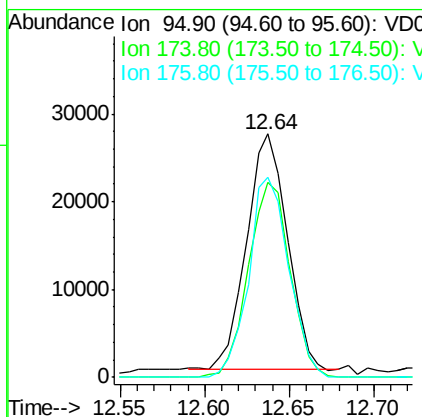
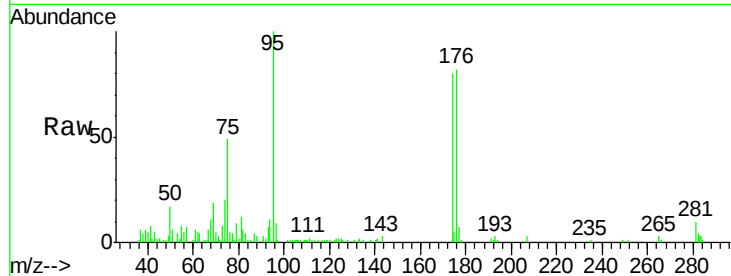




#62
4-Bromofluorobenzene
Concen: 17.405 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067360.D
Acq: 22 Oct 2020 14:16

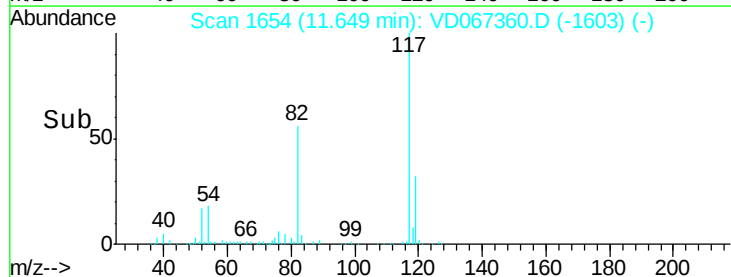
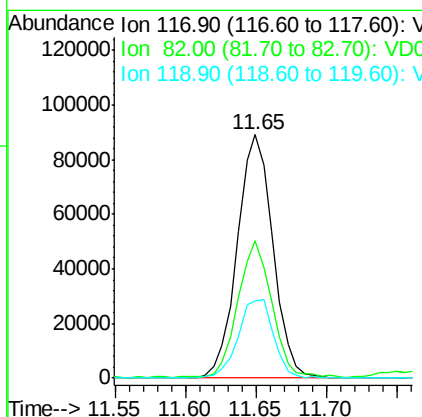
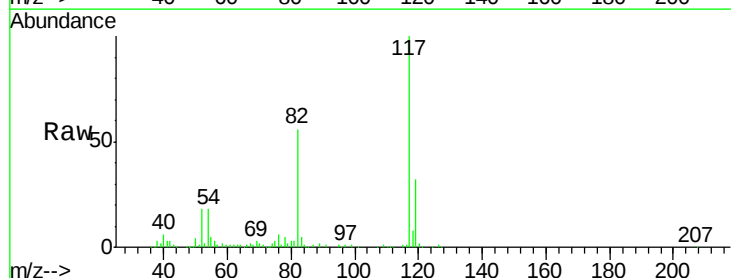
Instrument :
MSVOA_D
ClientSampleId :
CAPEMAY-ST-DRUMRE

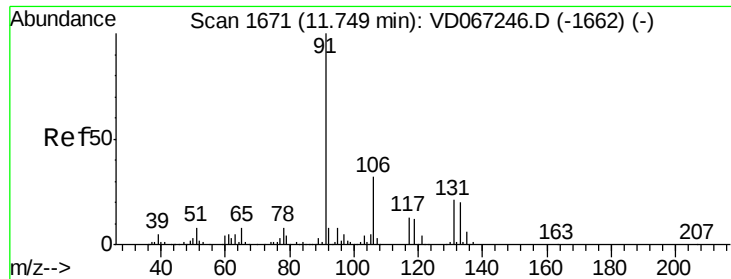
Tot Ion: 95 Resp: 44602
Ion Ratio Lower Upper
95 100
174 85.1 0.0 175.2
176 84.4 0.0 168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067360.D
Acq: 22 Oct 2020 14:16

Tgt Ion: 117 Resp: 157366
Ion Ratio Lower Upper
117 100
82 55.9 39.9 59.9
119 31.6 24.9 37.3

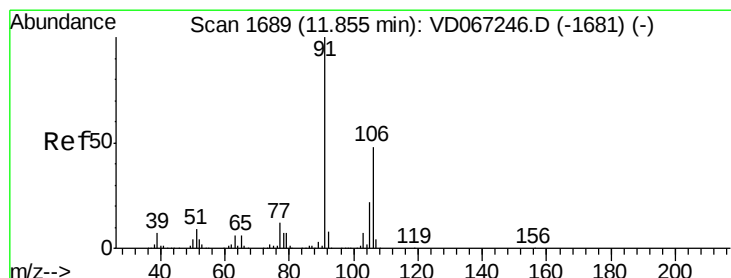
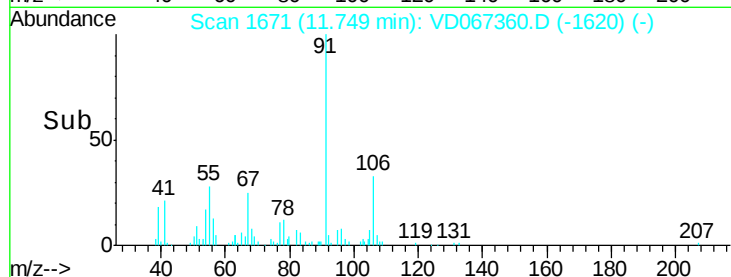
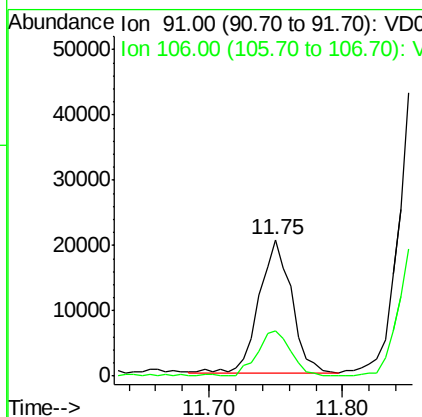
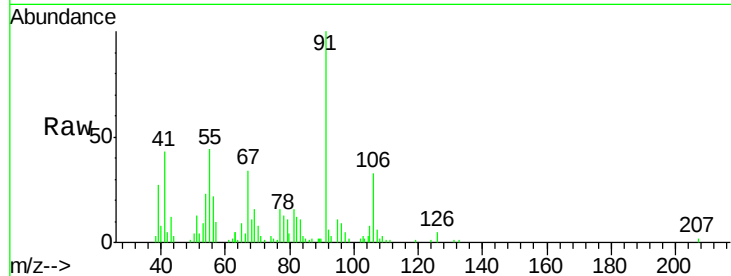




#67
Ethyl Benzene
Concen: 6.660 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067360.D
Acq: 22 Oct 2020 14:16

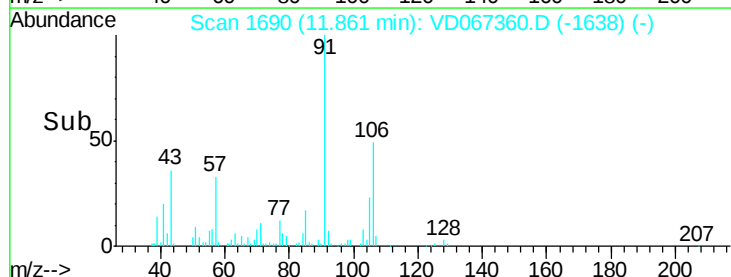
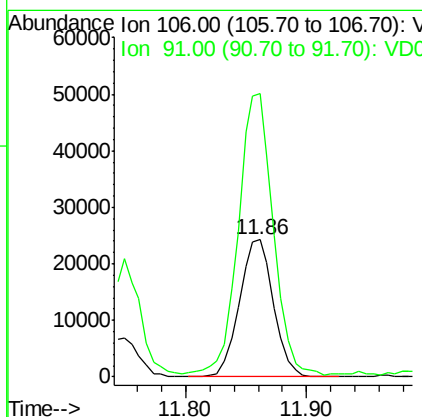
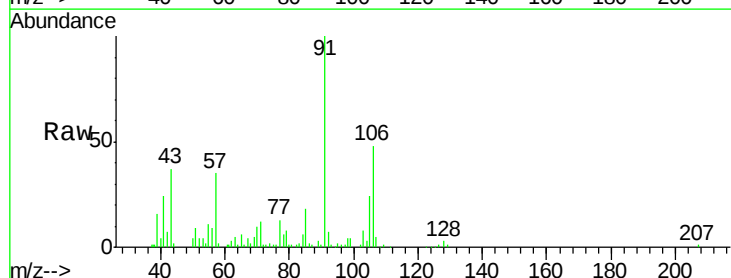
Instrument :
MSVOA_D
ClientSampleId :
CAPEMAY-ST-DRUMRE

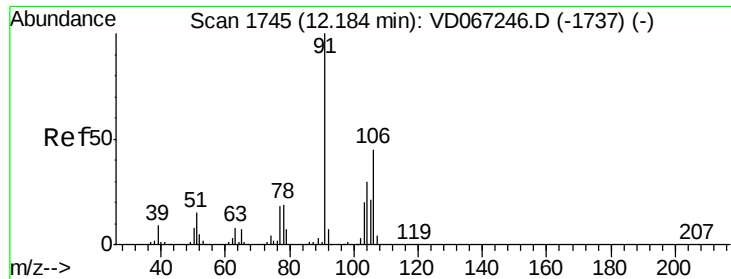
Tot Ion: 91 Resp: 34452
Ion Ratio Lower Upper
91 100
106 33.7 25.4 38.0



#68
m/p-Xylenes
Concen: 23.823 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067360.D
Acq: 22 Oct 2020 14:16

Tgt Ion: 106 Resp: 47456
Ion Ratio Lower Upper
106 100
91 210.3 163.8 245.8

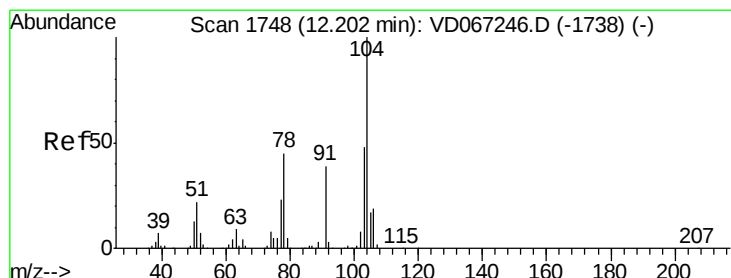
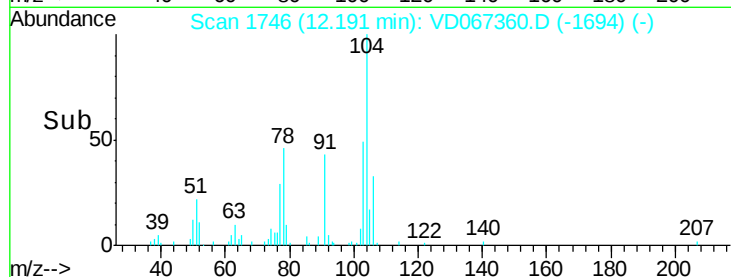
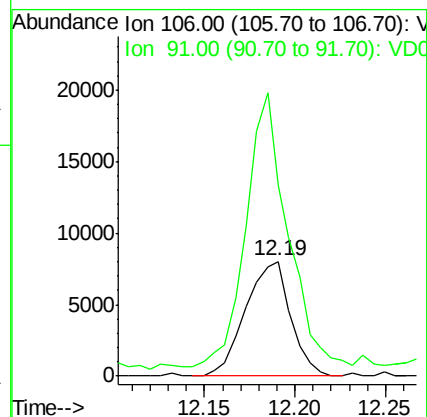
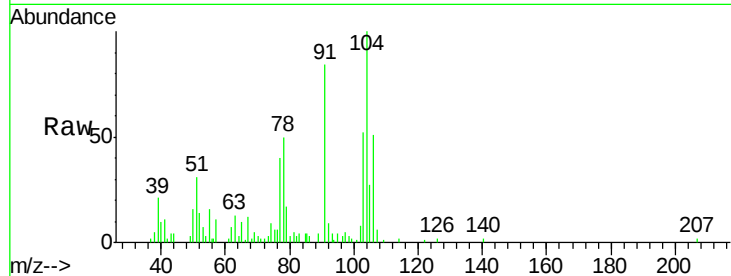




#69
o-Xylene
Concen: 7.517 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD067360.D
Acq: 22 Oct 2020 14:16

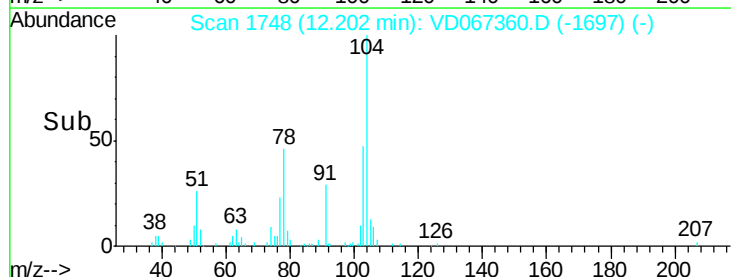
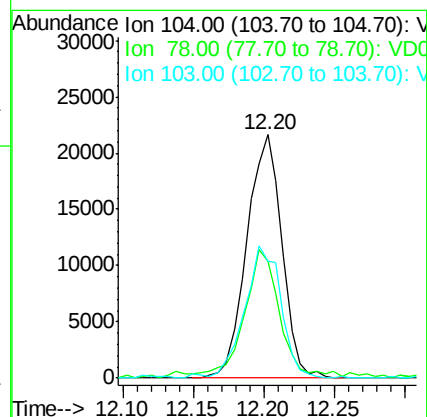
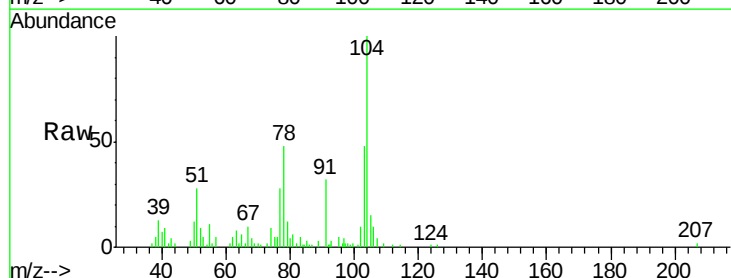
Instrument :
MSVOA_D
ClientSampleId :
CAPEMAY-ST-DRUMRE

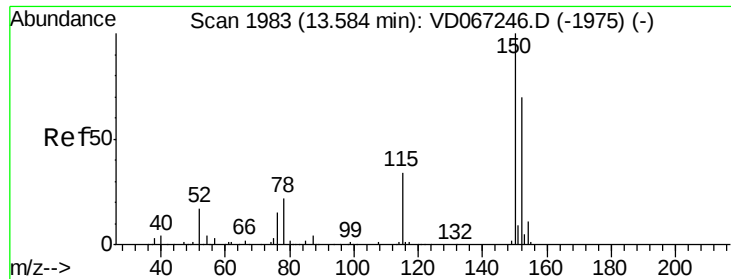
Tot Ion:106 Resp: 13865
Ion Ratio Lower Upper
106 100
91 228.3 109.1 327.3



#70
Styrene
Concen: 11.863 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067360.D
Acq: 22 Oct 2020 14:16

Tgt Ion:104 Resp: 37668
Ion Ratio Lower Upper
104 100
78 51.8 39.8 59.6
103 57.0 42.6 64.0



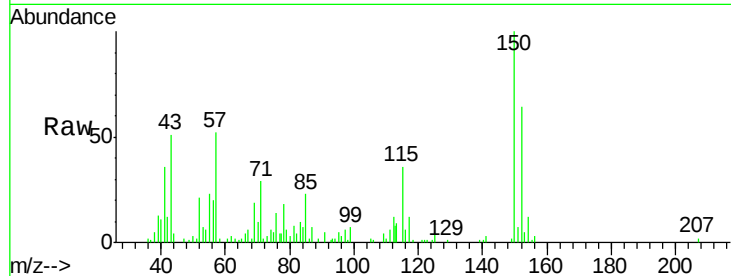


#72

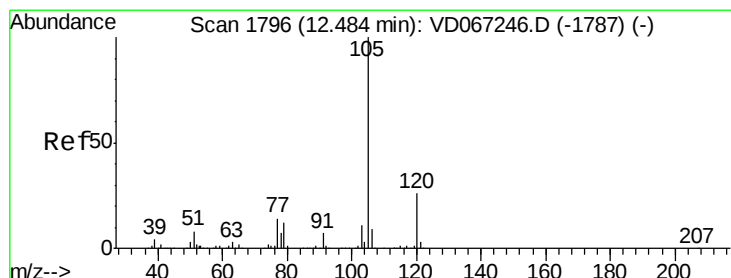
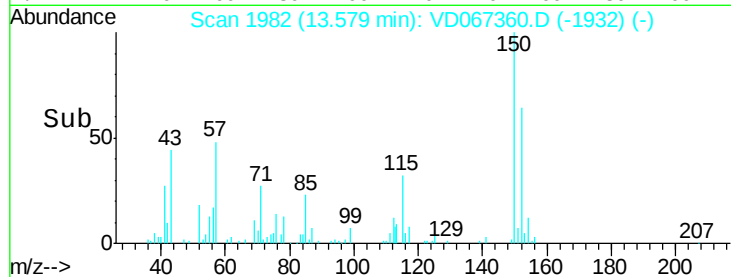
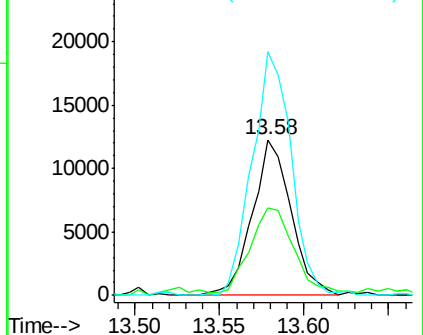
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067360.D
Acq: 22 Oct 2020 14:16

Instrument :
MSVOA_D
ClientSampleId :
CAPEMAY-ST-DRUMRE

Tot Ion:152 Resp: 19606
Ion Ratio Lower Upper
152 100
115 65.2 29.3 87.9
150 158.2 0.0 339.0



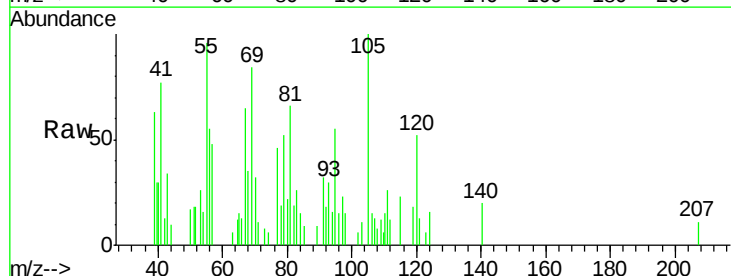
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



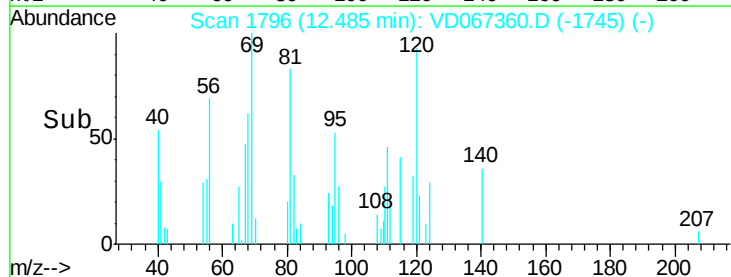
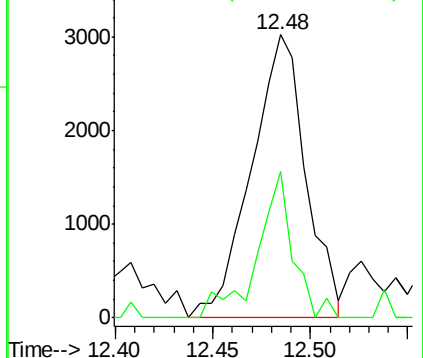
#73

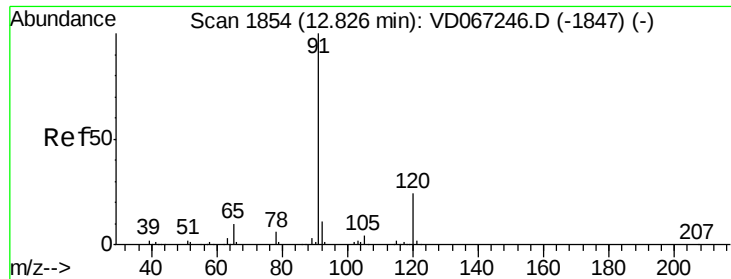
Isopropylbenzene
Concen: 4.687 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067360.D
Acq: 22 Oct 2020 14:16

Tgt Ion:105 Resp: 5832
Ion Ratio Lower Upper
105 100
120 34.0 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: 10.161 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067360.D

Acq: 22 Oct 2020 14:16

Instrument :

MSVOA_D

ClientSampleId :

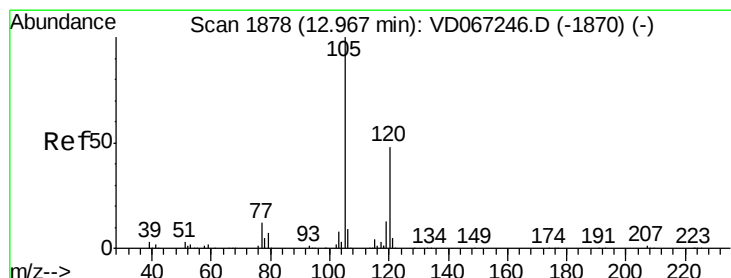
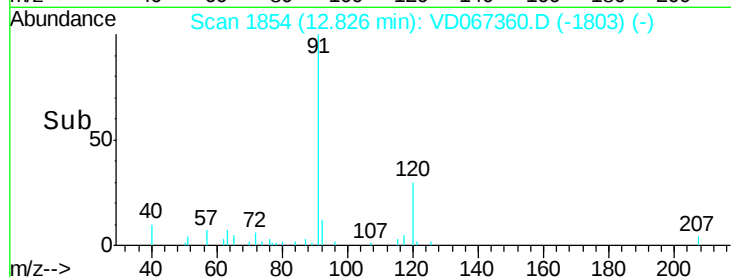
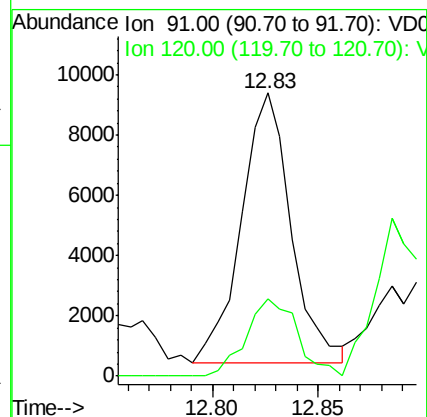
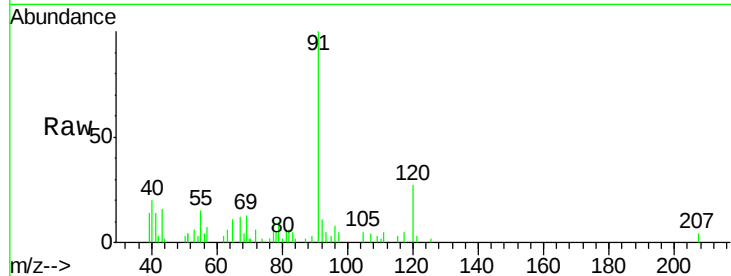
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Tot Ion: 91 Resp: 14649

Ion Ratio Lower Upper

91 100

120 29.1 11.9 35.9



#80

1,3,5-Trimethylbenzene

Concen: 9.457 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067360.D

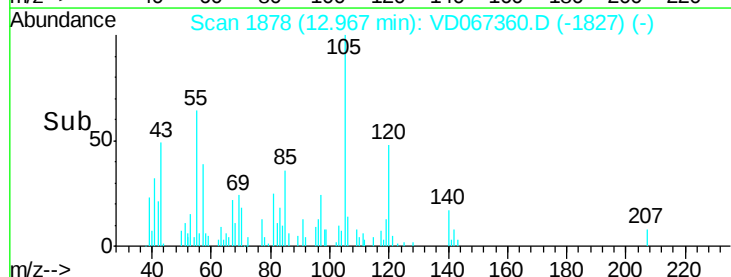
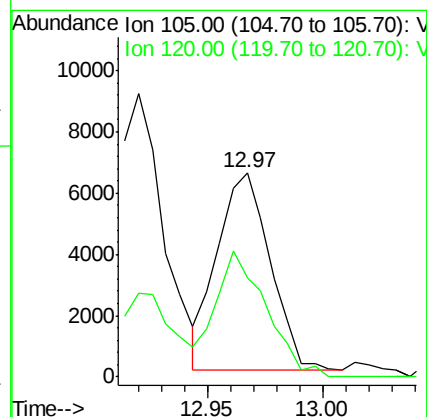
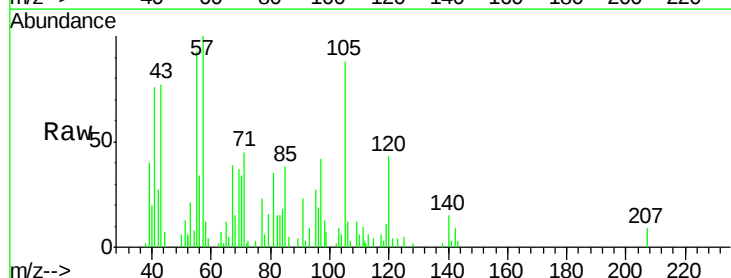
Acq: 22 Oct 2020 14:16

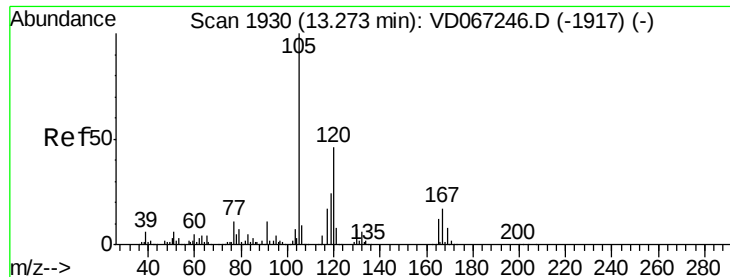
Tgt Ion: 105 Resp: 10226

Ion Ratio Lower Upper

105 100

120 61.3 24.3 72.8

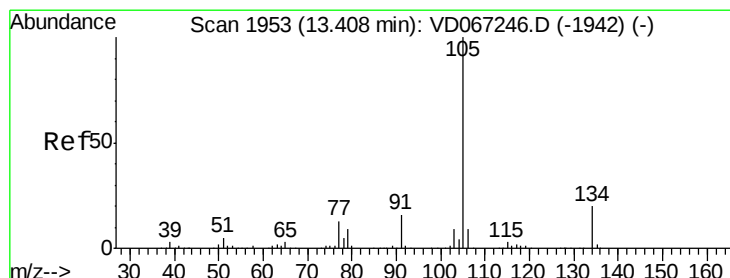
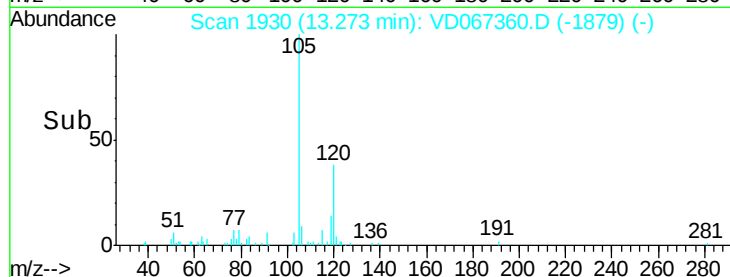
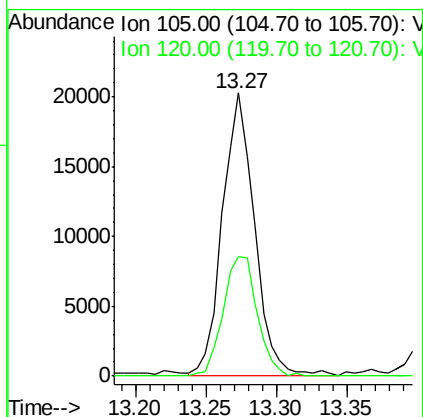
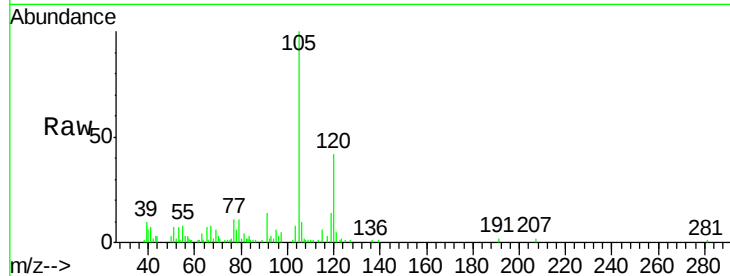




#84
 1,2,4-Trimethylbenzene
 Concen: 30.179 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067360.D
 Acq: 22 Oct 2020 14:16

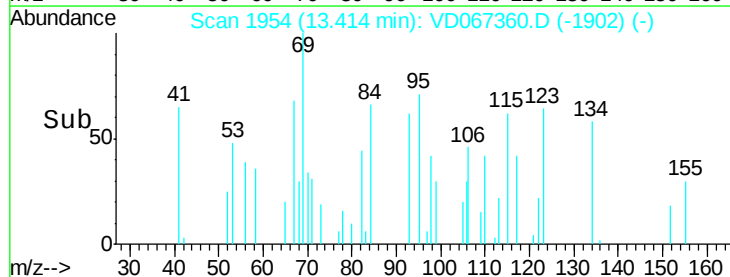
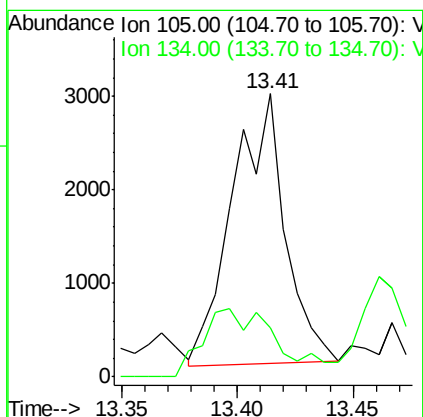
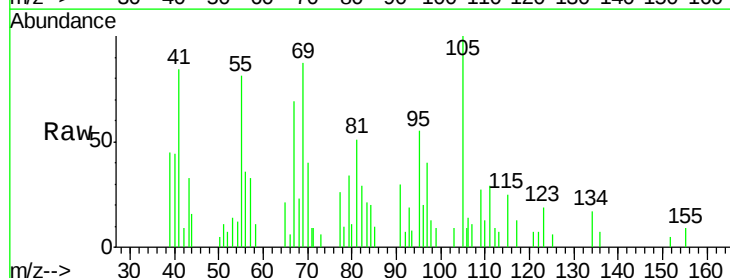
Instrument :
 MSVOA_D
 ClientSampleId :
 CAPEMAY-ST-DRUMRE

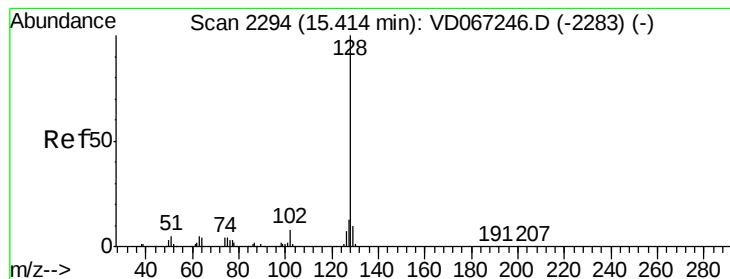
Tot Ion:105 Resp: 32254
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.4 67.3



#85
 sec-Butylbenzene
 Concen: 3.673 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD067360.D
 Acq: 22 Oct 2020 14:16

Tgt Ion:105 Resp: 4603
 Ion Ratio Lower Upper
 105 100
 134 35.2 10.5 31.5#





#95

Naphthalene

Concen: 12.814 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067360.D

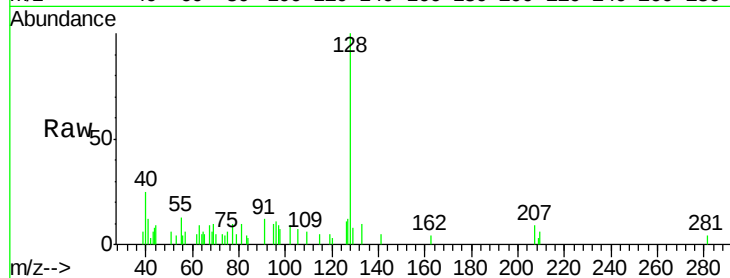
Acq: 22 Oct 2020 14:16

Instrument :

MSVOA_D

ClientSampleId :

CAPEMAY-ST-DRUMRE



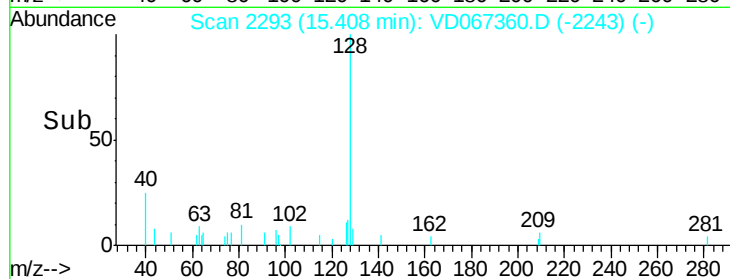
Tot Ion:128 Resp: 7399

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

129 14.4 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

