

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
 Data File : VD064316.D
 Acq On : 20 Nov 2019 16:44
 Operator : VA/SY
 Sample : K5957-03
 Misc : 4.79G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-2-(12-14)

Quant Time: Nov 21 07:20:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	1564704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	2195621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1854556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	930983	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	590210	45.86	ug/l	0.00
Spiked Amount			Recovery	=	91.72%	
35) Dibromofluoromethane	7.92	113	634036	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
50) Toluene-d8	10.34	98	2531448	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
62) 4-Bromofluorobenzene	12.64	95	939459	57.06	ug/l	0.00
Spiked Amount			Recovery	=	114.12%	

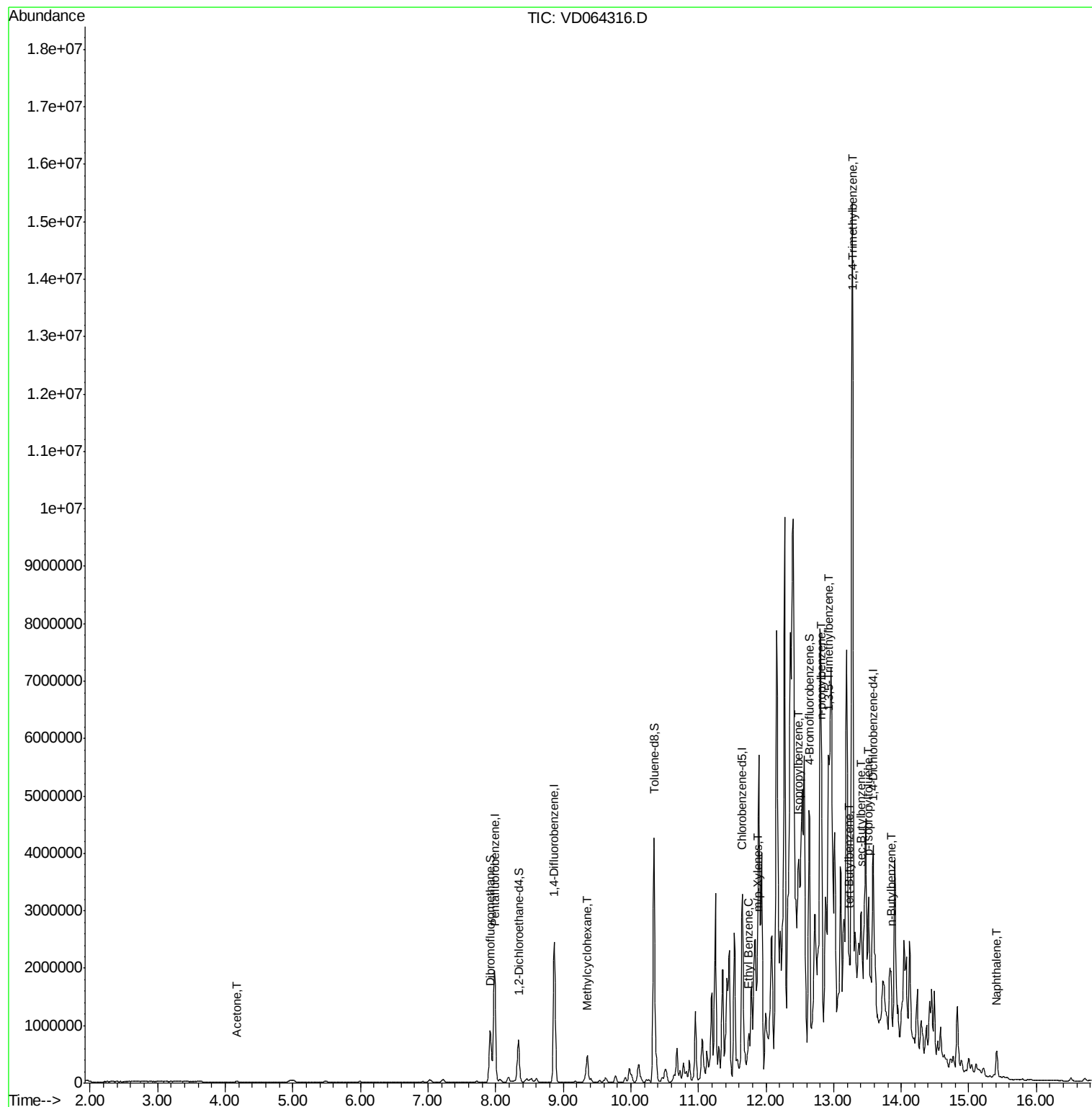
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.18	43	37495	12.299	ug/l	92
39) Methylcyclohexane	9.36	83	201480	7.858	ug/l	96
67) Ethyl Benzene	11.75	91	282103	4.135	ug/l	100
68) m/p-Xylenes	11.87	106	244549	9.353	ug/l	95
73) Isopropylbenzene	12.48	105	909757	13.313	ug/l	100
78) n-propylbenzene	12.83	91	2289432	29.325	ug/l	100
80) 1,3,5-Trimethylbenzene	12.92	105	2185790	38.928	ug/l	70
83) tert-Butylbenzene	13.23	119	127165	2.568	ug/l	87
84) 1,2,4-Trimethylbenzene	13.28	105	7802509	140.752	ug/l	97
85) sec-Butylbenzene	13.41	105	736550	11.076	ug/l #	70
86) p-Isopropyltoluene	13.53	119	583338	9.227	ug/l	100
89) n-Butylbenzene	13.85	91	533296	9.337	ug/l #	77
95) Naphthalene	15.41	128	452213	13.710	ug/l	99

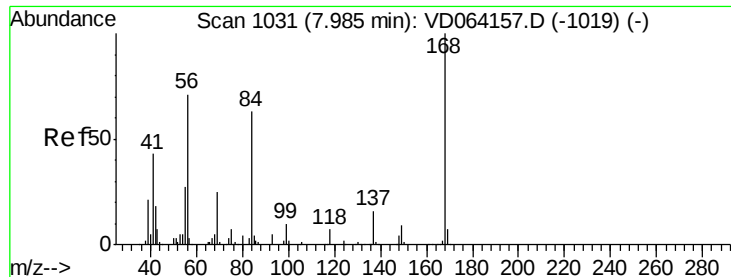
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

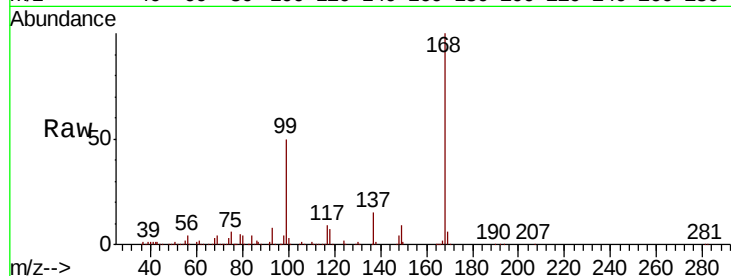
MW-2-(12-14)

Tot Ion:168 Resp: 1564704

Ion Ratio Lower Upper

168 100

99 49.8 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

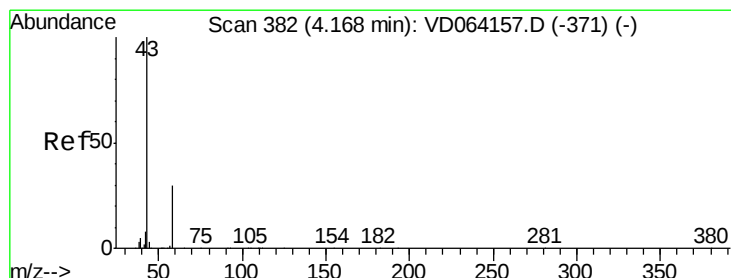
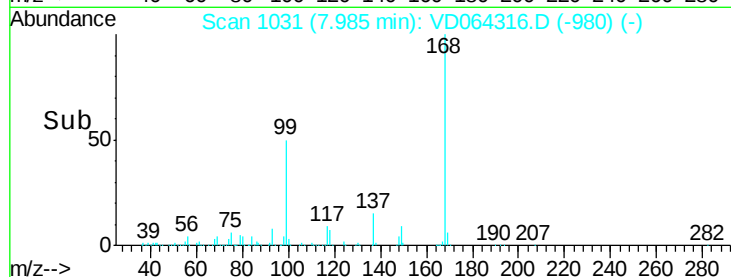
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400000

200000

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Time-->



#16

Acetone

Concen: 12.299 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064316.D

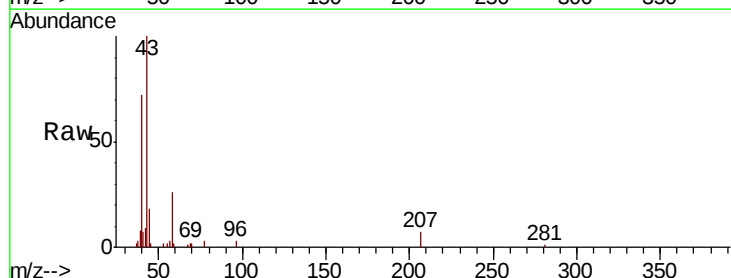
Acq: 20 Nov 2019 16:44

Tgt Ion: 43 Resp: 37495

Ion Ratio Lower Upper

43 100

58 26.0 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.18

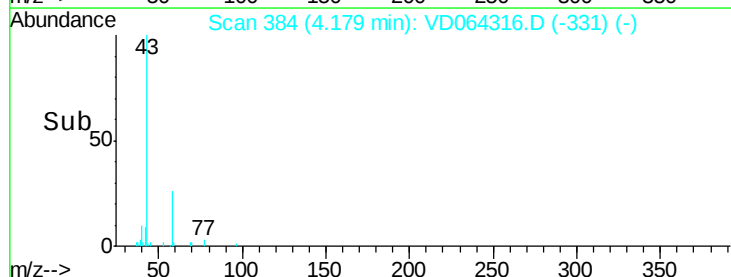
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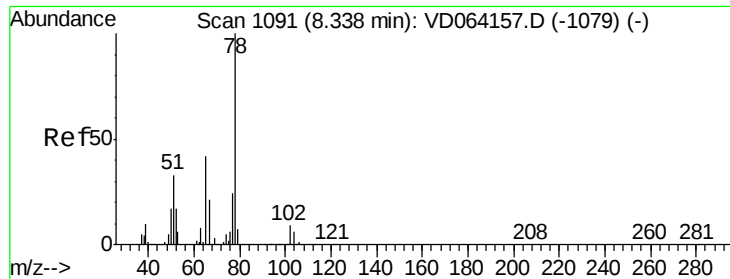
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Time-->





#33

1,2-Dichloroethane-d4

Concen: 45.864 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

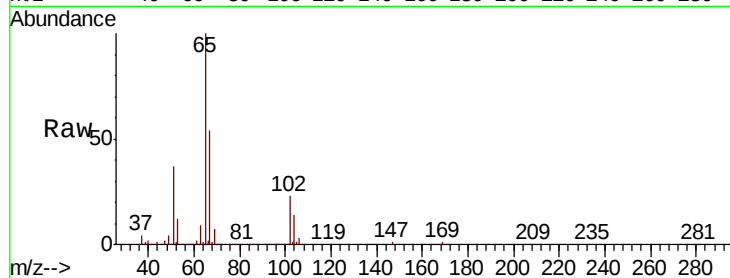
MW-2-(12-14)

Tot Ion: 65 Resp: 590210

Ion Ratio Lower Upper

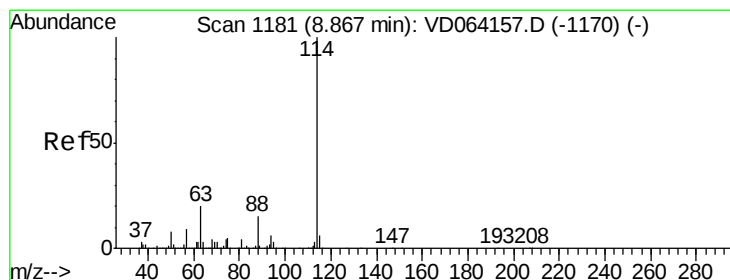
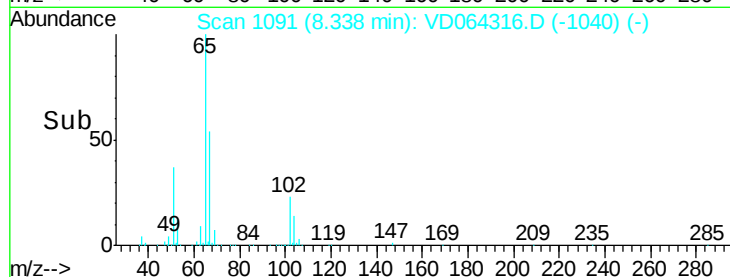
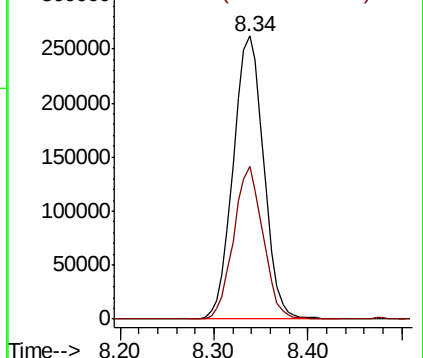
65 100

67 51.9 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

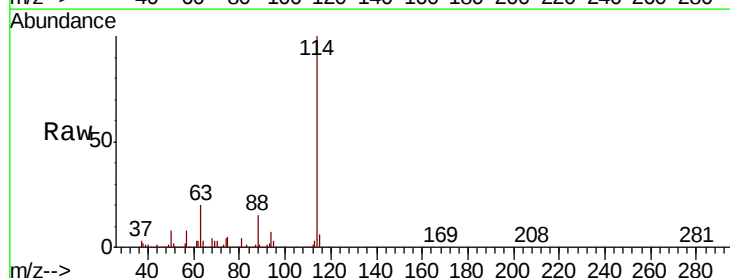
Tgt Ion:114 Resp: 2195621

Ion Ratio Lower Upper

114 100

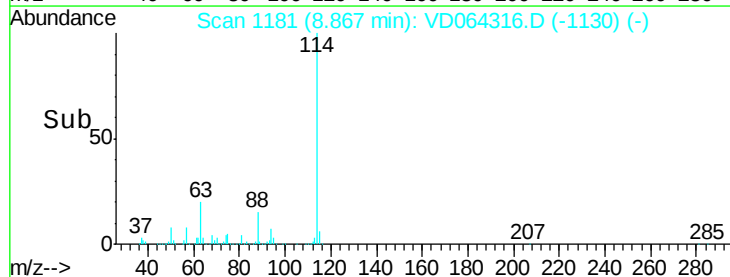
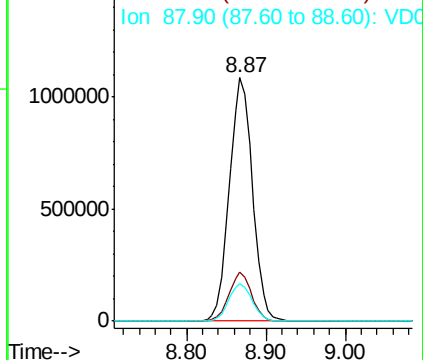
63 20.2 0.0 40.0

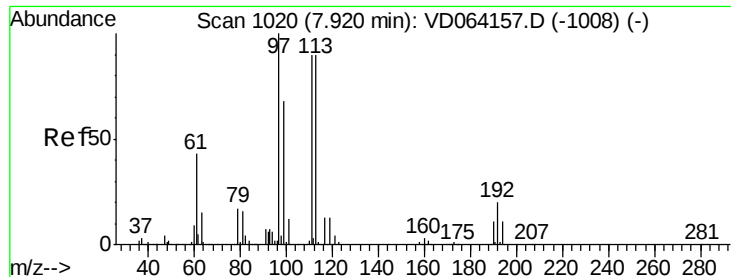
88 15.5 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

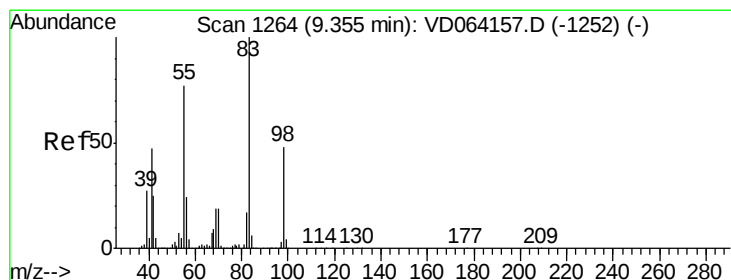
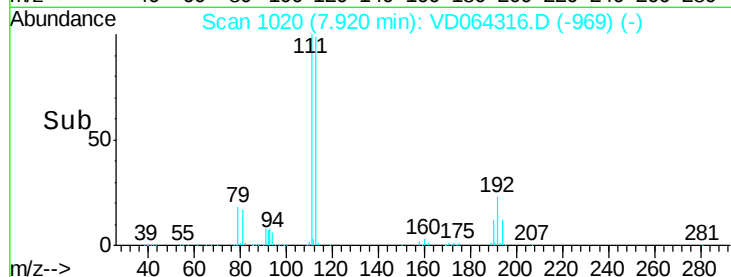
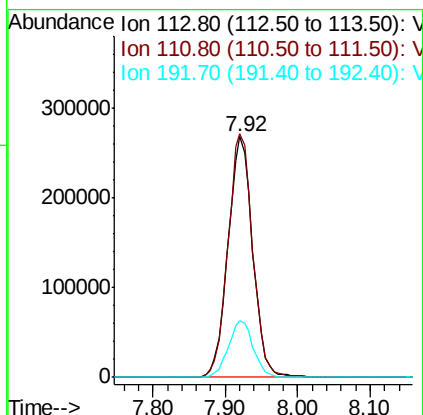
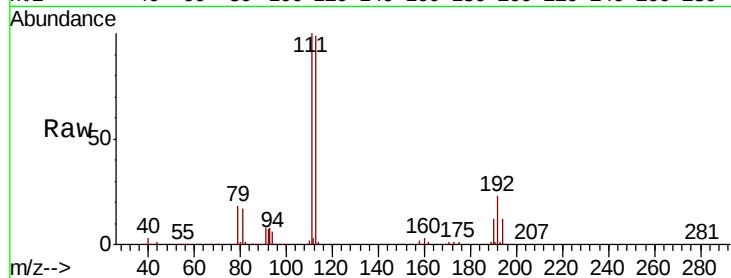




#35
Dibromofluoromethane
Concen: 50.307 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

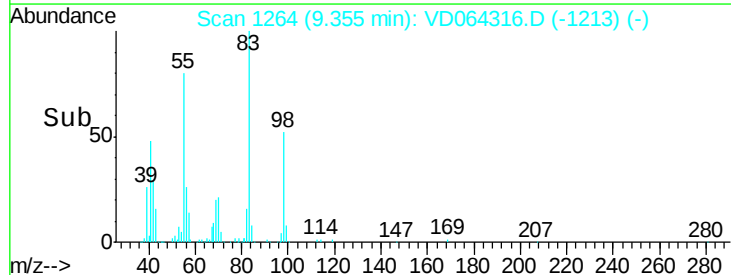
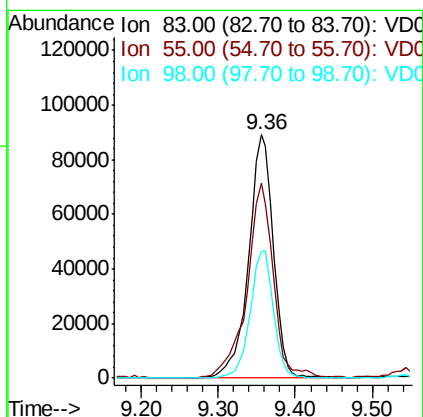
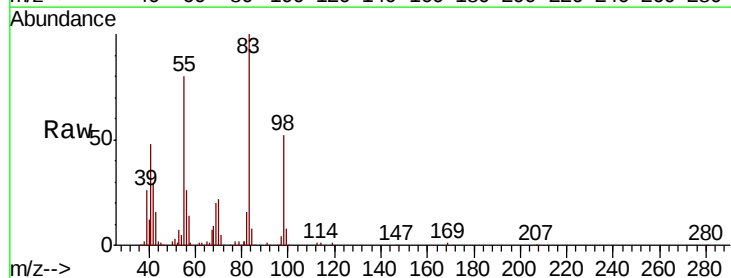
Instrument :
MSVOA_D
ClientSampleId :
MW-2-(12-14)

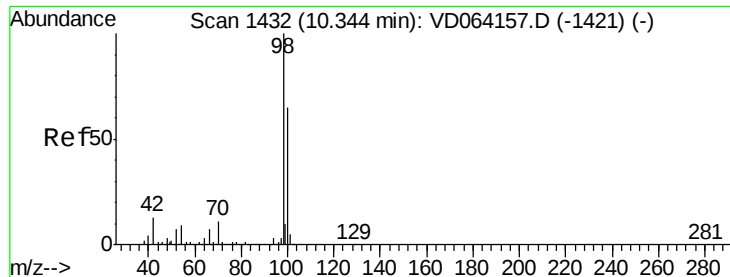
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.5	122.3
192	23.6	18.8	28.2



#39
Methylcyclohexane
Concen: 7.858 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.6	61.7	92.5
98	52.4	38.6	58.0





#50

Toluene-d8

Concen: 53.244 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

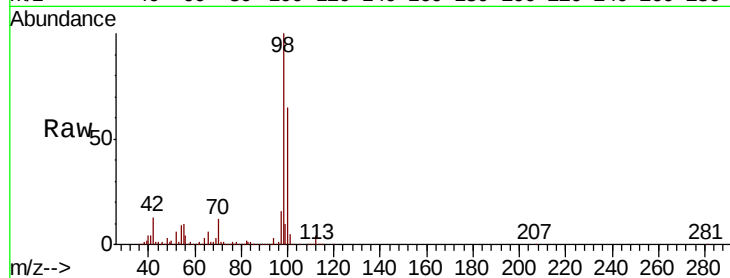
MW-2-(12-14)

Tot Ion: 98 Resp: 2531448

Ion Ratio Lower Upper

98 100

100 65.5 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

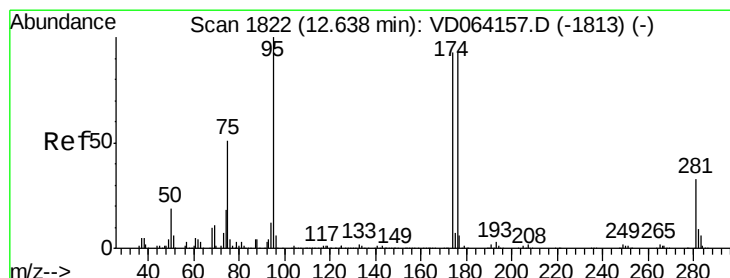
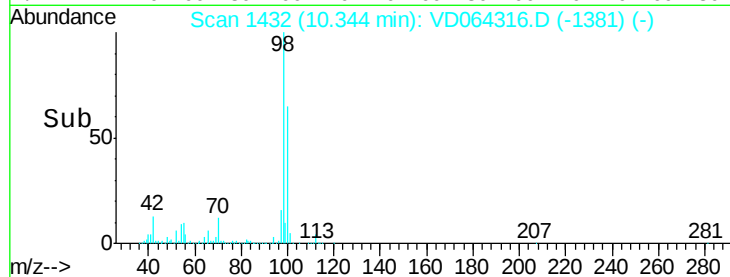
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1000000

500000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 57.058 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

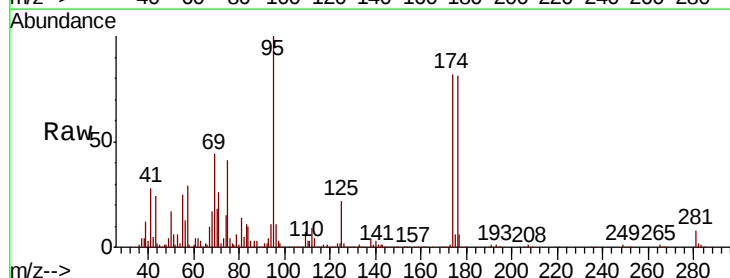
Tgt Ion: 95 Resp: 939459

Ion Ratio Lower Upper

95 100

174 80.8 0.0 183.6

176 79.1 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

12.64

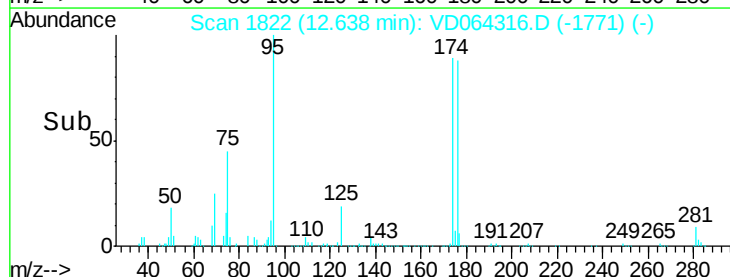
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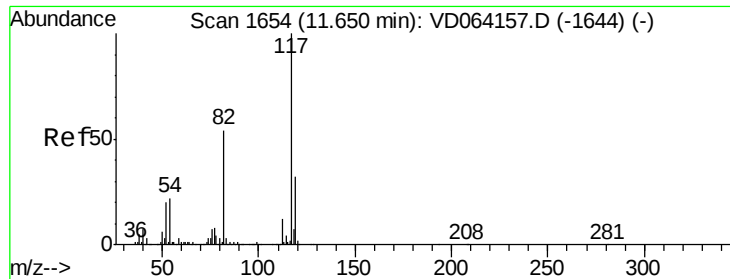
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Time-->

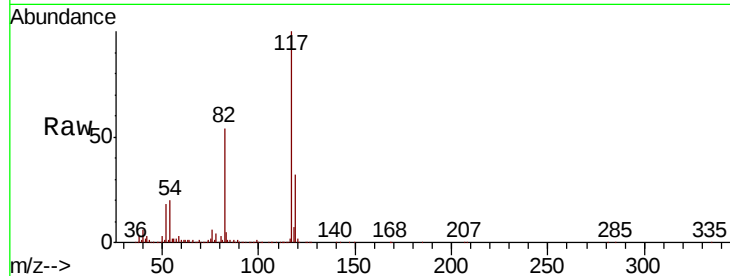




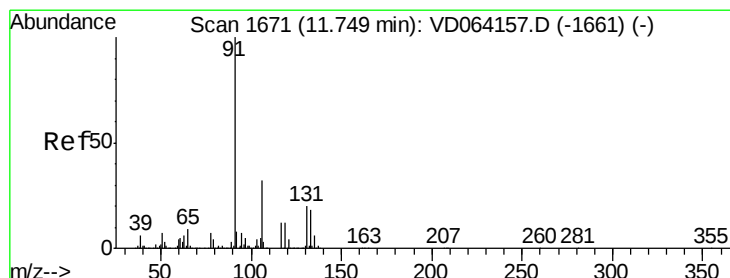
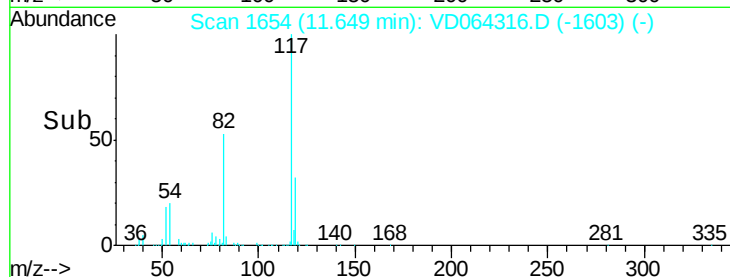
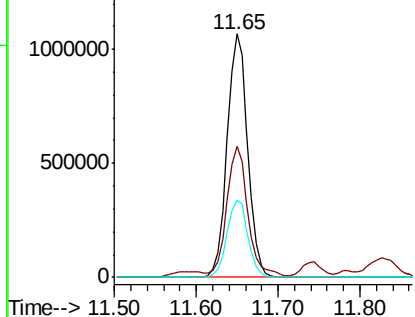
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

Instrument :
MSVOA_D
ClientSampleId :
MW-2-(12-14)

Tot Ion:117 Resp: 1854556
Ion Ratio Lower Upper
117 100
82 51.8 42.8 64.2
119 31.8 25.6 38.4

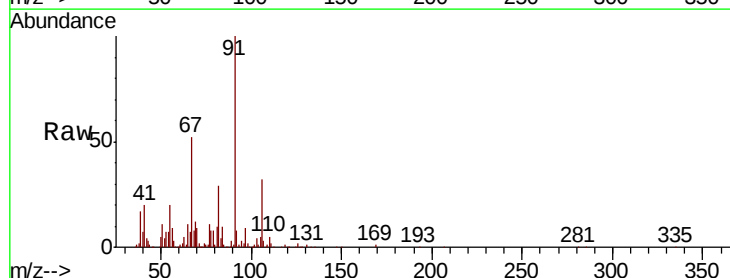


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VDC
Ion 118.90 (118.60 to 119.60): V

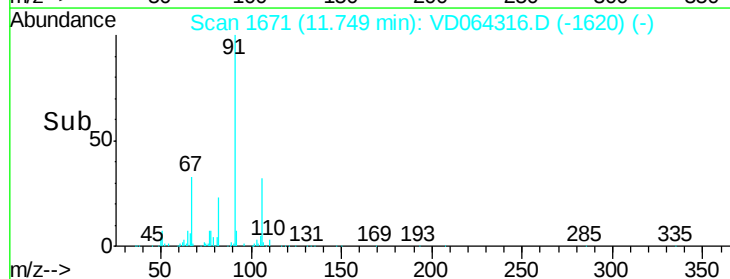
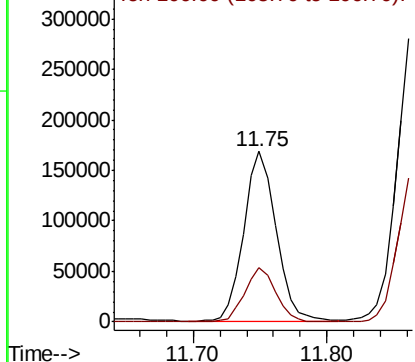


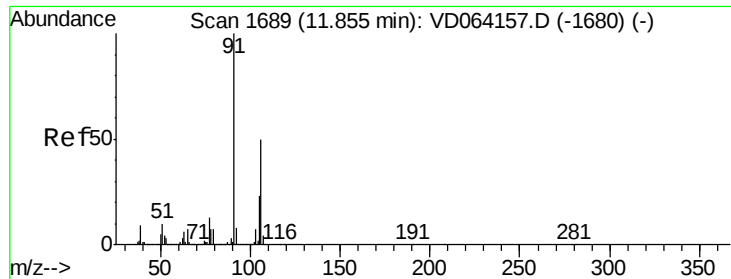
#67
Ethyl Benzene
Concen: 4.135 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

Tgt Ion: 91 Resp: 282103
Ion Ratio Lower Upper
91 100
106 31.8 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.00 (105.70 to 106.70): V

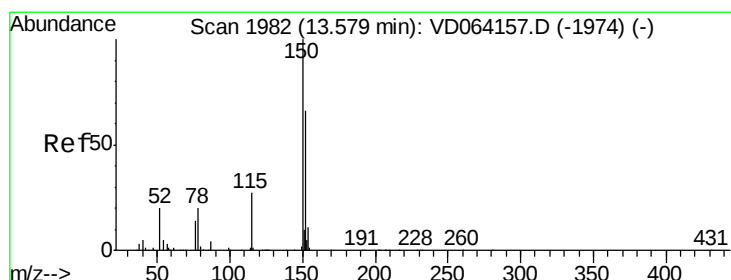
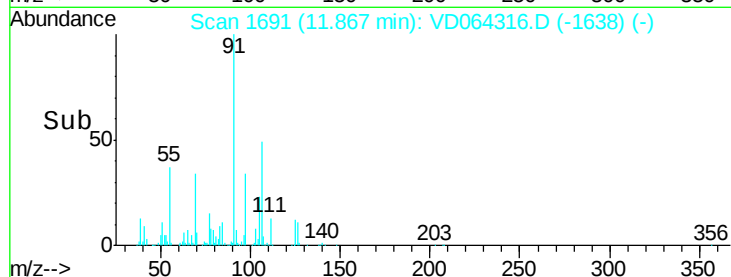
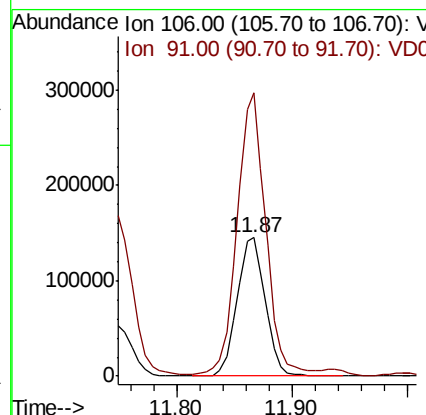
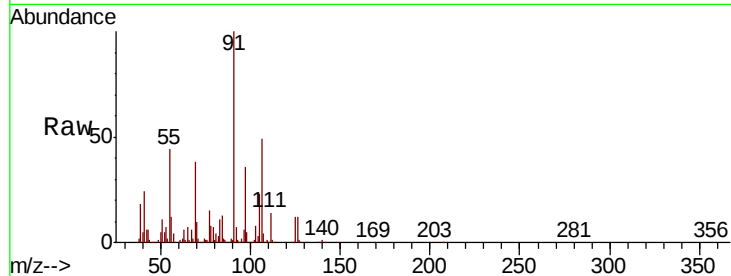




#68
m/p-Xvlenes
Concen: 9.353 ug/l
RT: 11.87 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

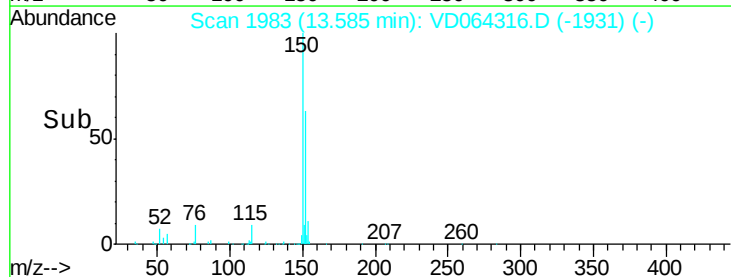
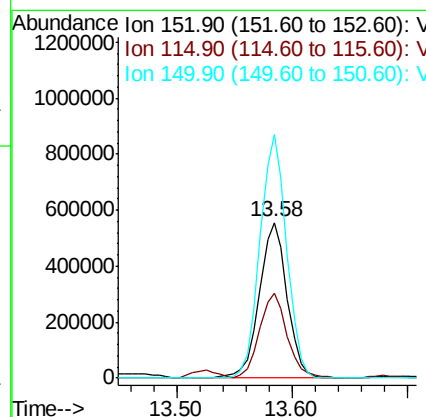
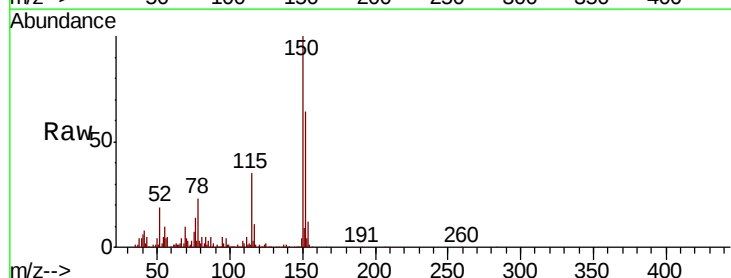
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ClientSampleId :
MW-2-(12-14)

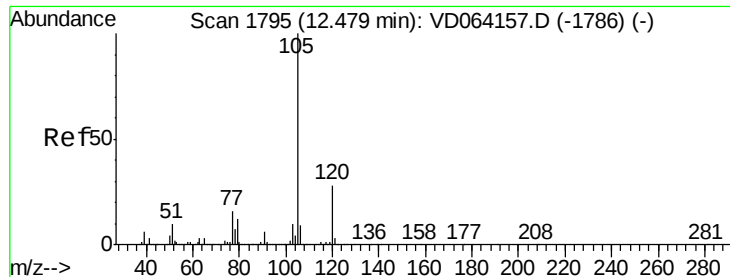
Tot Ion:106 Resp: 244549
Ion Ratio Lower Upper
106 100
91 208.3 160.3 240.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

Tgt Ion:152 Resp: 930983
Ion Ratio Lower Upper
152 100
115 54.3 27.4 82.2
150 150.3 0.0 351.6





#73

Isopropylbenzene

Concen: 13.313 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064316.D

Acq: 20 Nov 2019 16:44

Instrument :

MSVOA_D

ClientSampleId :

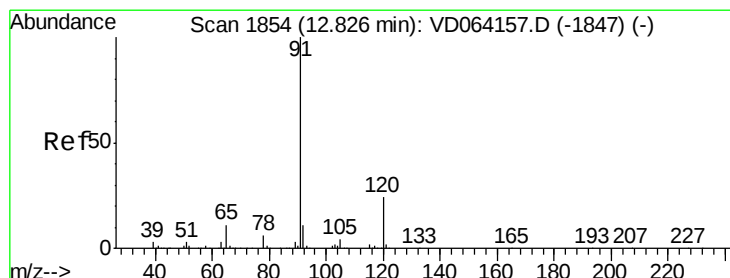
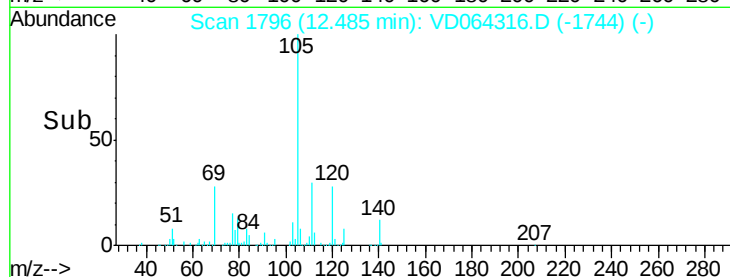
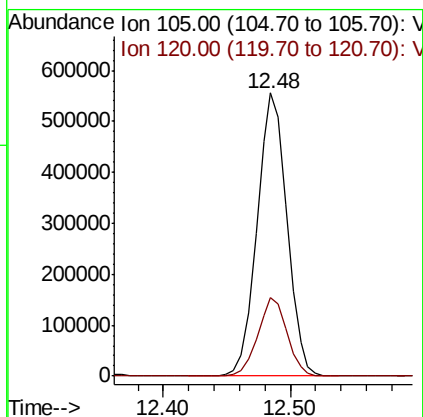
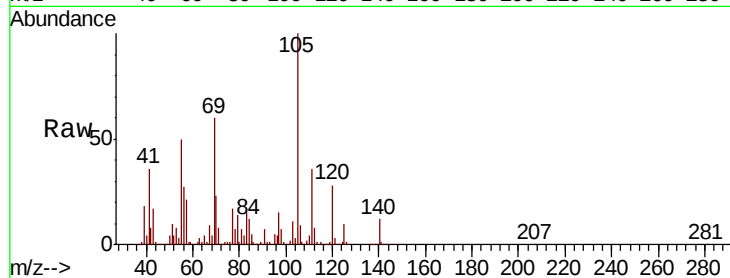
MW-2-(12-14)

Tot Ion:105 Resp: 909757

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.8



#78

n-propylbenzene

Concen: 29.325 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064316.D

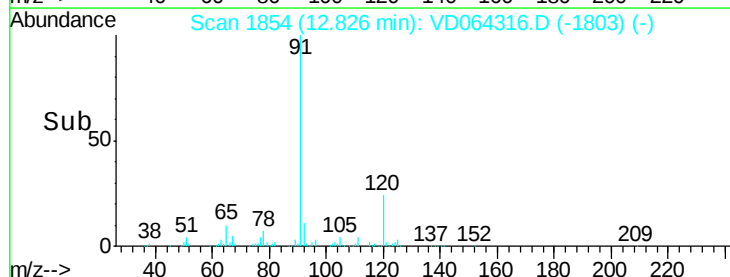
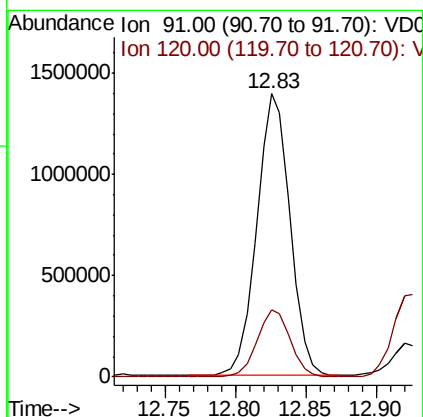
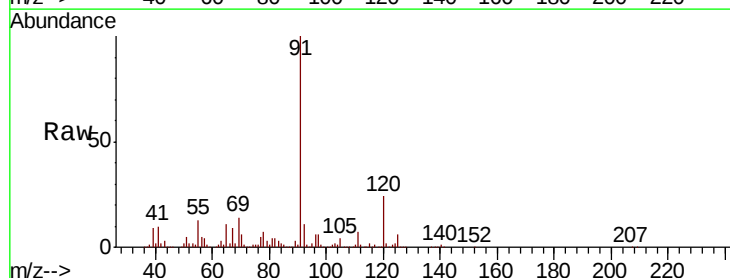
Acq: 20 Nov 2019 16:44

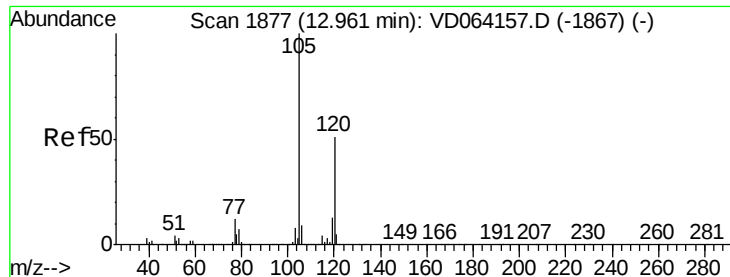
Tgt Ion: 91 Resp: 2289432

Ion Ratio Lower Upper

91 100

120 23.6 11.8 35.4

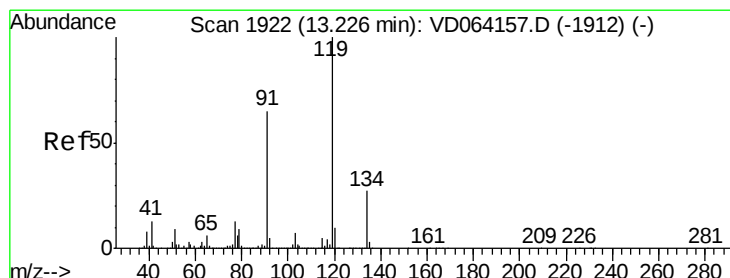
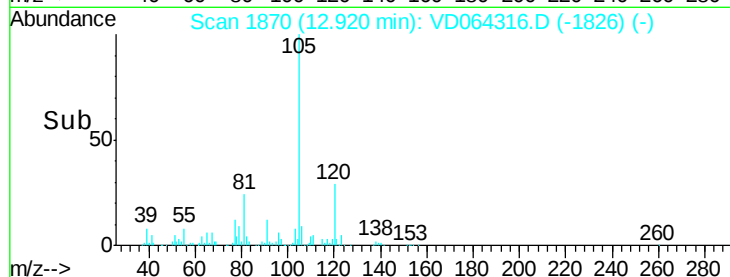
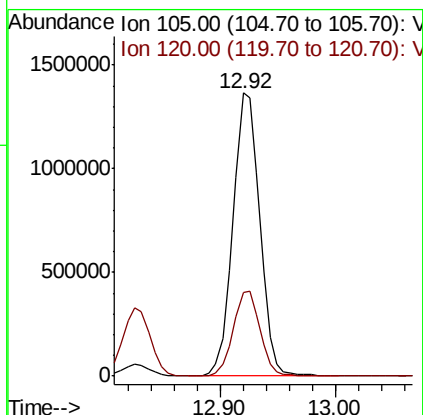
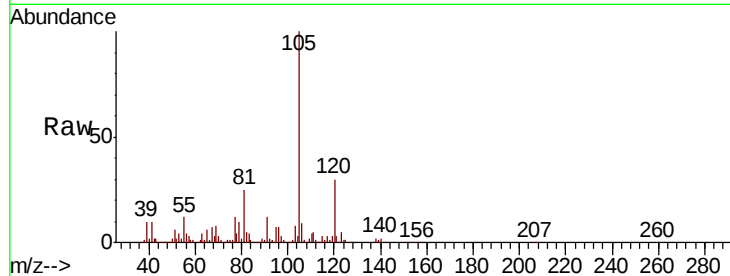




#80
1,3,5-Trimethylbenzene
Concen: 38.928 ug/l
RT: 12.92 min Scan# 1870
Delta R.T. -0.04 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

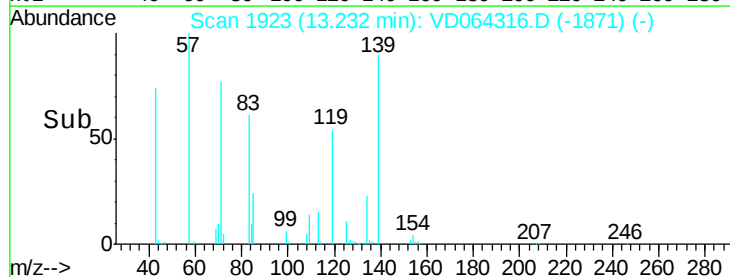
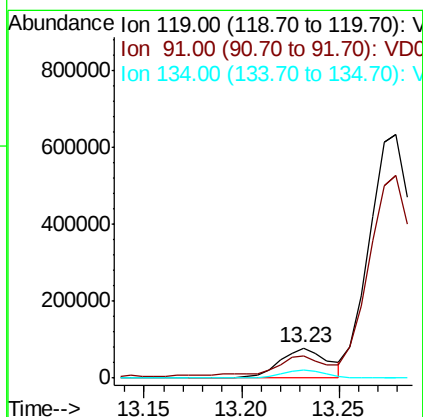
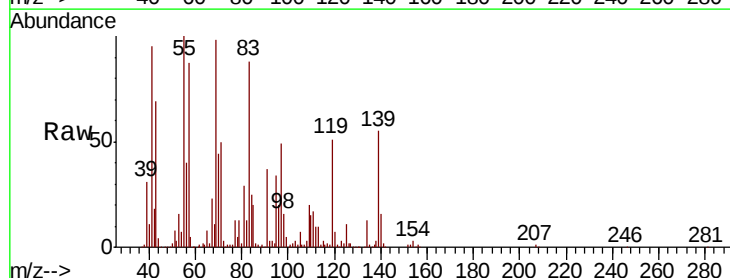
Instrument :
MSVOA_D
ClientSampleId :
MW-2-(12-14)

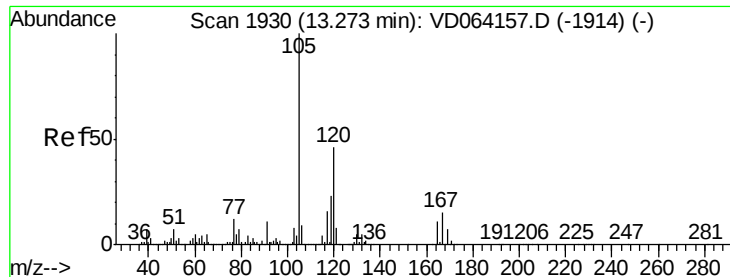
Tot Ion:105 Resp: 2185790
Ion Ratio Lower Upper
105 100
120 30.2 25.4 76.4



#83
tert-Butylbenzene
Concen: 2.568 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

Tgt Ion:119 Resp: 127165
Ion Ratio Lower Upper
119 100
91 77.5 31.8 95.4
134 26.1 13.7 41.0

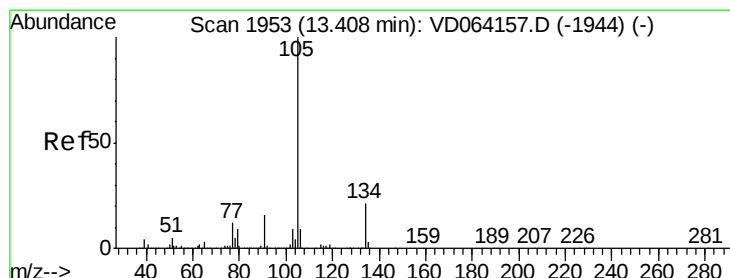
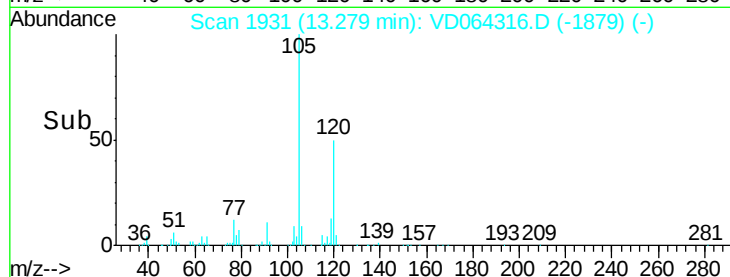
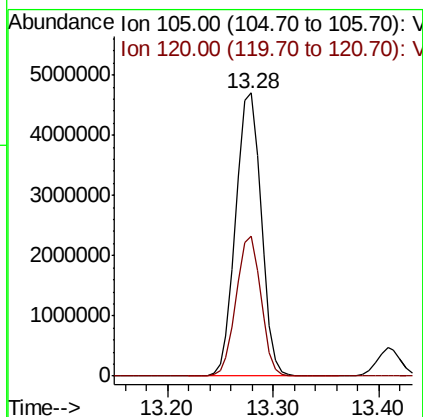
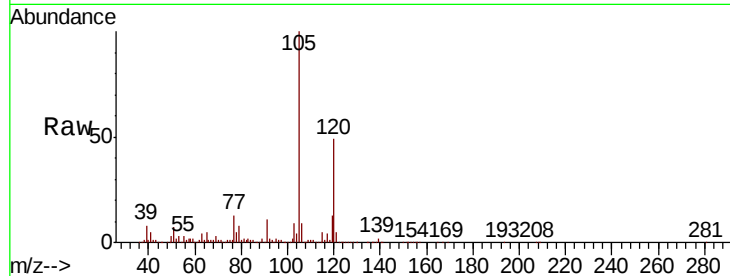




#84
 1,2,4-Trimethylbenzene
 Concen: 140.752 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064316.D
 Acq: 20 Nov 2019 16:44

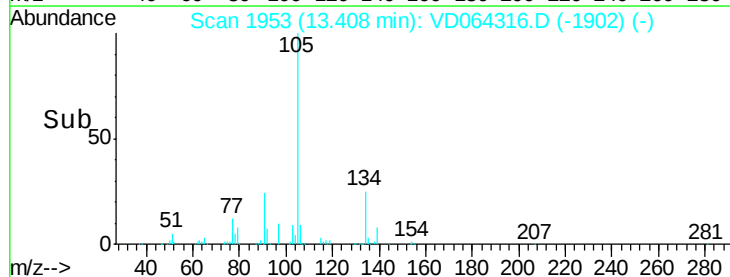
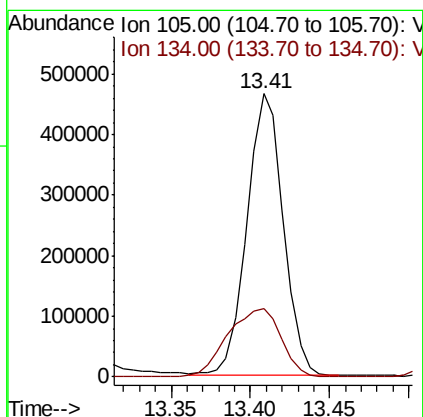
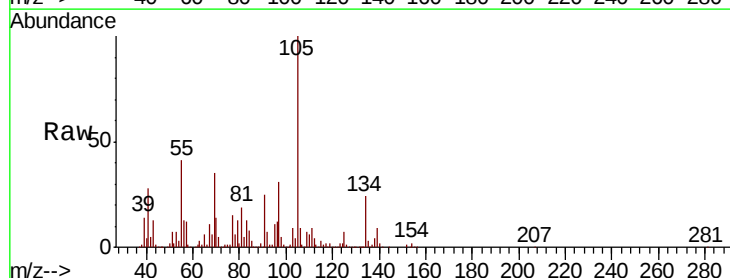
Instrument :
 MSVOA_D
 ClientSampleId :
 MW-2-(12-14)

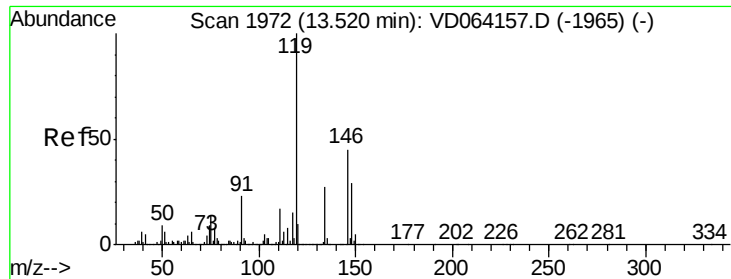
Tot Ion:105 Resp: 7802509
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.3 69.8



#85
 sec-Butylbenzene
 Concen: 11.076 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064316.D
 Acq: 20 Nov 2019 16:44

Tgt Ion:105 Resp: 736550
 Ion Ratio Lower Upper
 105 100
 134 35.6 10.7 31.9#

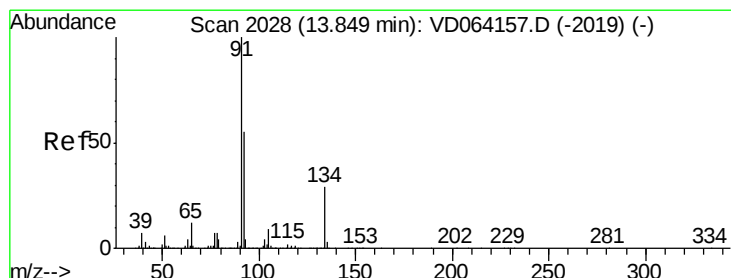
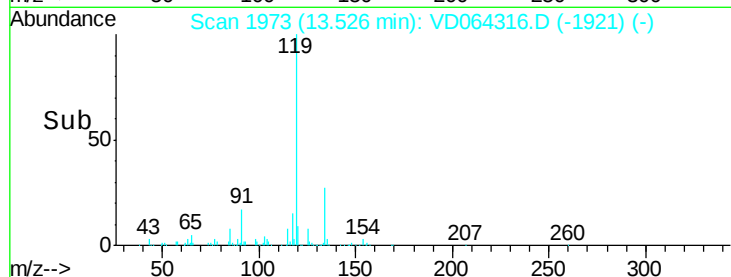
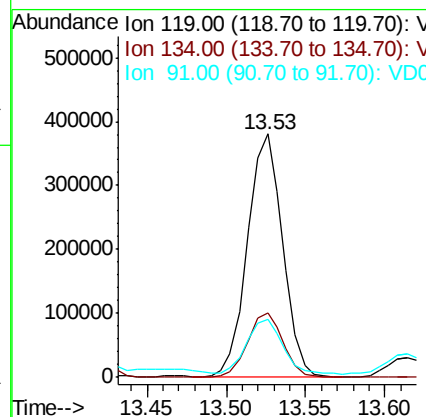
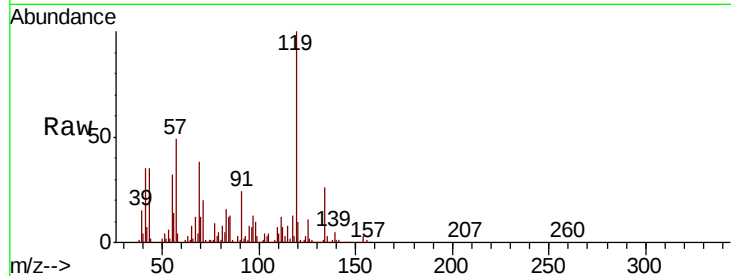




#86
p-Isopropyltoluene
Concen: 9.227 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.01 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

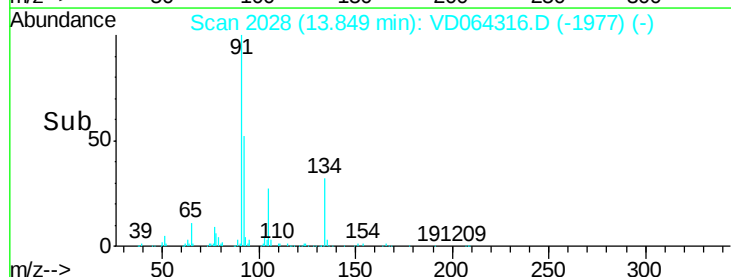
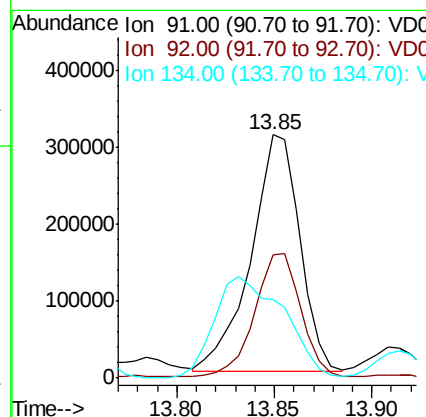
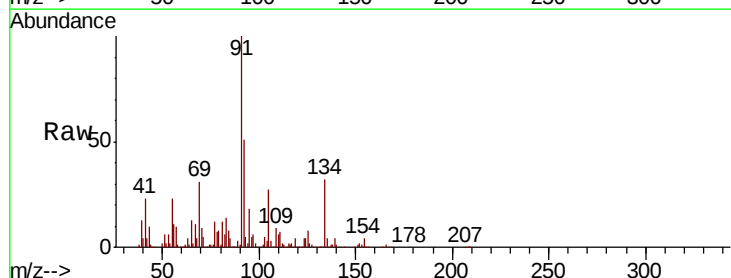
Instrument :
MSVOA_D
ClientSampleId :
MW-2-(12-14)

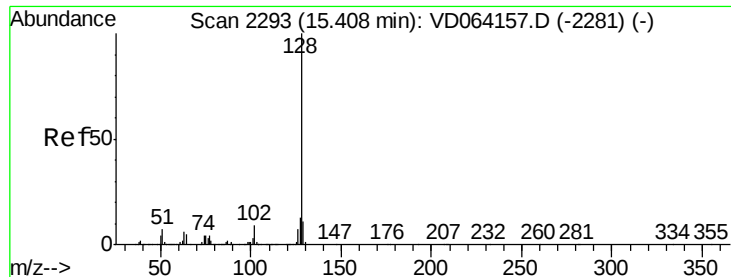
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.5	40.5
91	23.2	11.5	34.4



#89
n-Butylbenzene
Concen: 9.337 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.0	27.3	81.8
134	0.0	14.1	42.4





#95
Naphthalene
Concen: 13.710 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064316.D
Acq: 20 Nov 2019 16:44

Instrument :
MSVOA_D
ClientSampleId :
MW-2-(12-14)

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	11.0	8.6	13.0

