

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082219\
 Data File : VD063743.D
 Acq On : 22 Aug 2019 19:42
 Operator : JC/SY
 Sample : K4452-02
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-WALL

Quant Time: Aug 23 07:32:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	622497	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1038521	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	805402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	298482	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	496612	74.63	ug/l	0.00
Spiked Amount			Recovery	=	149.26%	
35) Dibromofluoromethane	6.93	113	578159	66.10	ug/l	0.00
Spiked Amount			Recovery	=	132.20%	
50) Toluene-d8	10.41	98	1312728	68.27	ug/l	0.00
Spiked Amount			Recovery	=	136.54%	
62) 4-Bromofluorobenzene	13.55	95	447949	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	

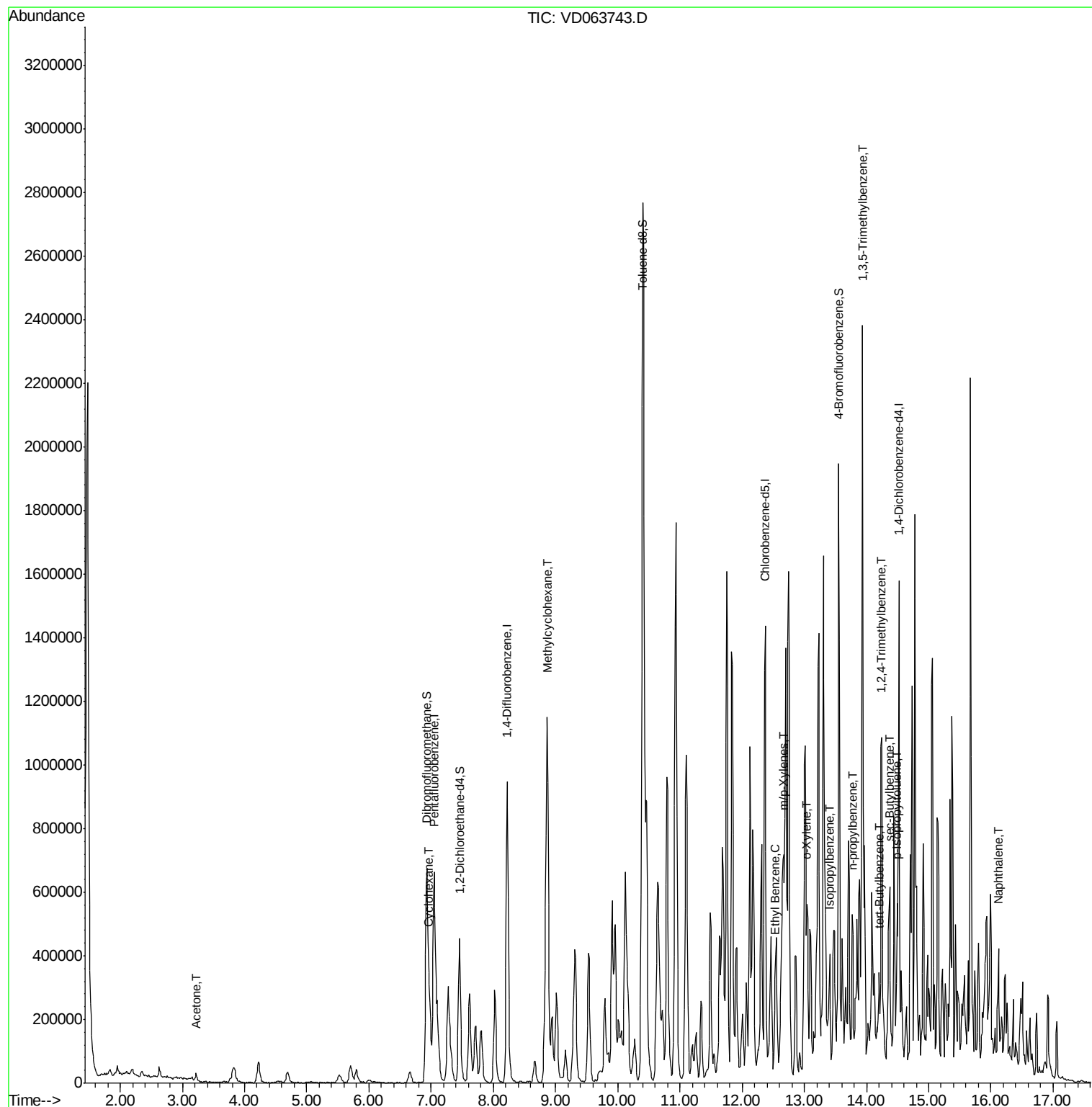
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	42015	31.062	ug/l	98
31) Cyclohexane	6.97	56	65080	10.832	ug/l #	66
39) Methylcyclohexane	8.87	83	577524	73.978	ug/l	96
67) Ethyl Benzene	12.52	91	120208	4.580	ug/l	89
68) m/p-Xylenes	12.67	106	128333	13.917	ug/l	95
69) o-Xylene	13.05	106	12075	1.361	ug/l	32
73) Isopropylbenzene	13.41	105	102927	5.421	ug/l	96
78) n-propylbenzene	13.77	91	295624	13.308	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	977868	58.950	ug/l	99
83) tert-Butylbenzene	14.19	119	26441	1.514	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	482634	31.445	ug/l	94
85) sec-Butylbenzene	14.37	105	236906	12.771	ug/l	97
86) p-Isopropyltoluene	14.49	119	211512	11.925	ug/l	98
95) Naphthalene	16.12	128	176794	19.910	ug/l	99

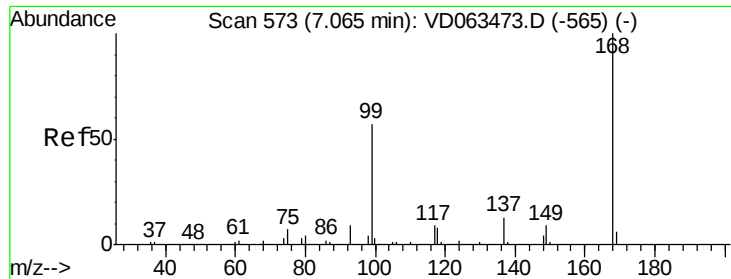
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082219\
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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063743.D

Acq: 22 Aug 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

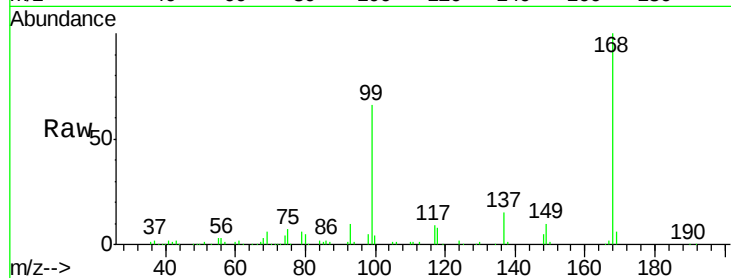
S-WALL

Tot Ion:168 Resp: 622497

Ion Ratio Lower Upper

168 100

99 66.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

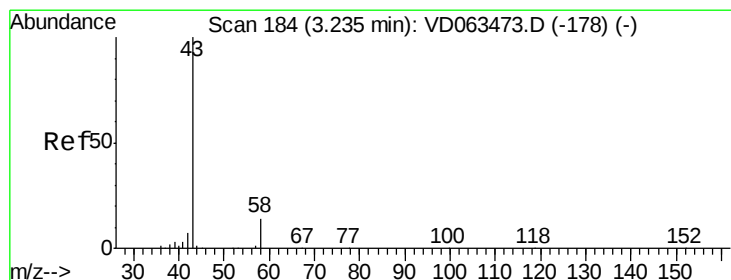
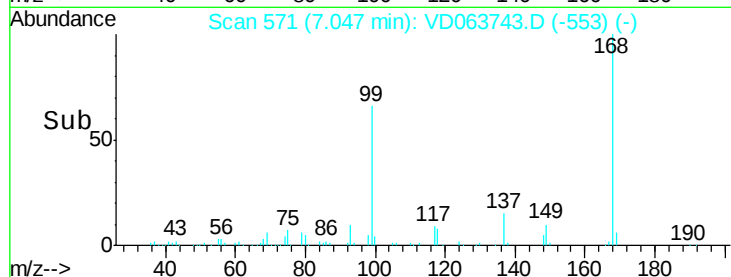
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 31.062 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063743.D

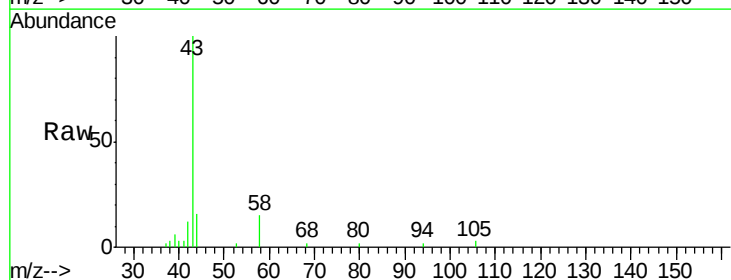
Acq: 22 Aug 2019 19:42

Tgt Ion: 43 Resp: 42015

Ion Ratio Lower Upper

43 100

58 15.2 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

20000

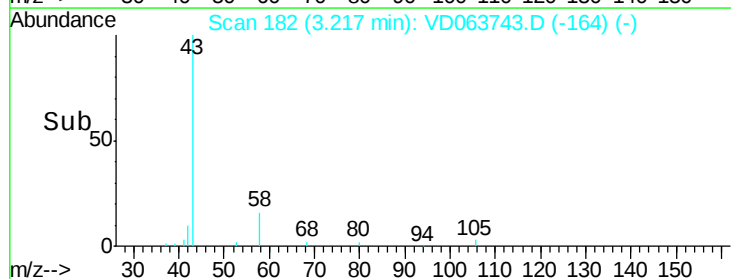
15000

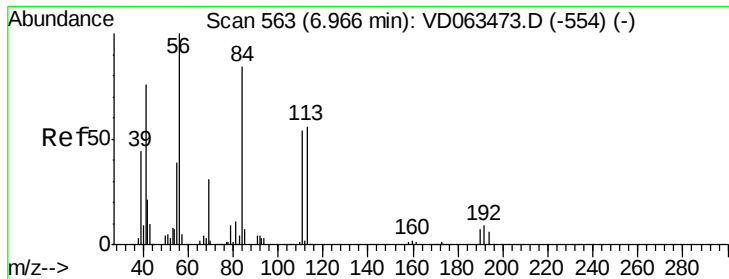
10000

5000

0

Time--> 3.10 3.20 3.30





#31

Cyclohexane

Concen: 10.832 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD063743.D

Acq: 22 Aug 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

S-WALL

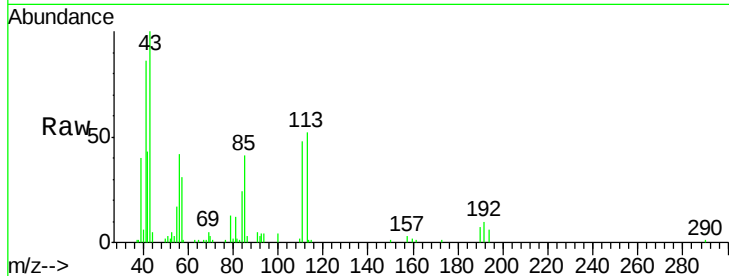
Tot Ion: 56 Resp: 65080

Ion Ratio Lower Upper

56 100

69 12.3 25.0 37.6#

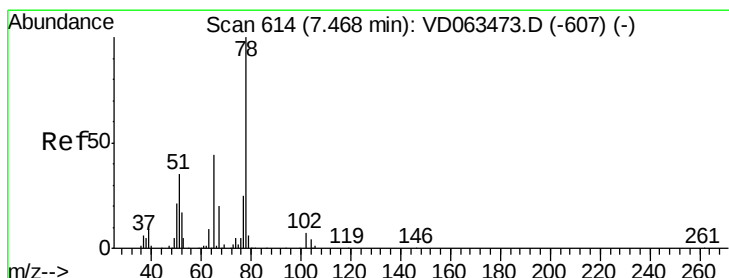
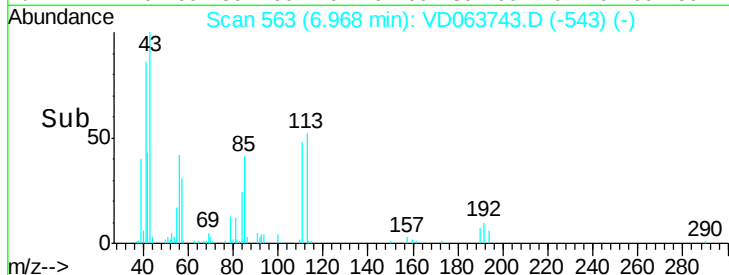
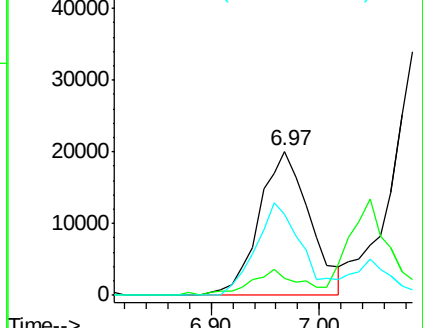
84 56.0 69.7 104.5#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: 74.633 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD063743.D

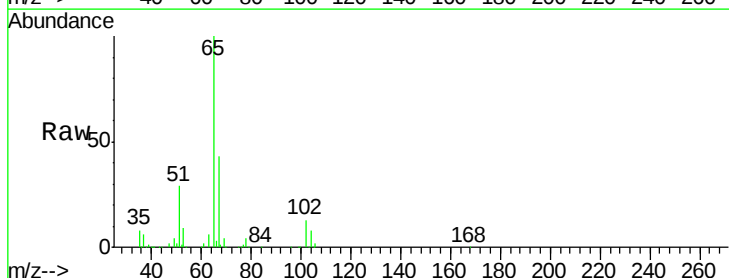
Acq: 22 Aug 2019 19:42

Tgt Ion: 65 Resp: 496612

Ion Ratio Lower Upper

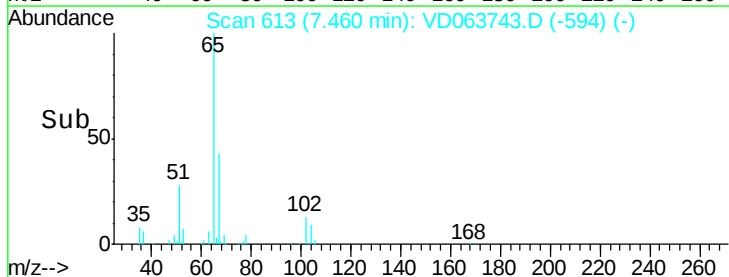
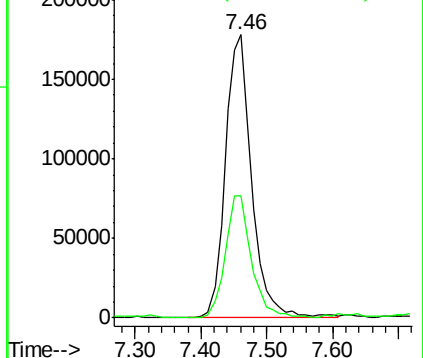
65 100

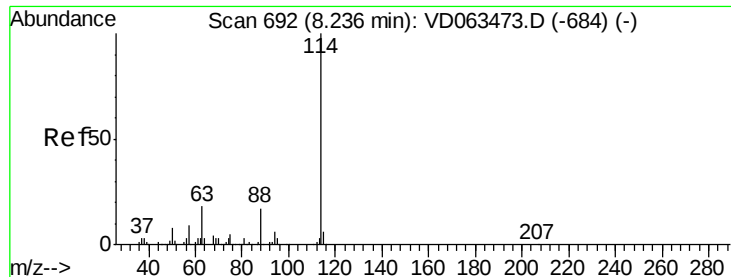
67 43.3 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063743.D

Acq: 22 Aug 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

S-WALL

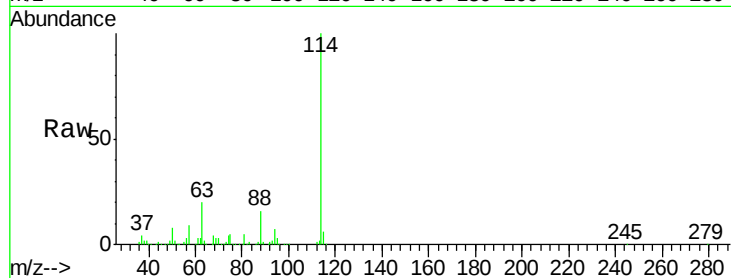
Tot Ion:114 Resp: 1038521

Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.2

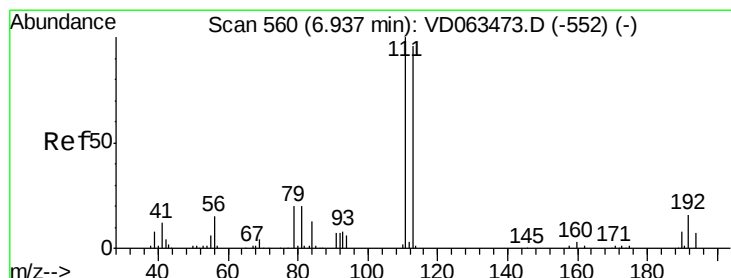
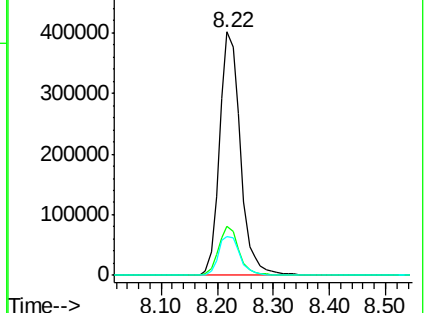
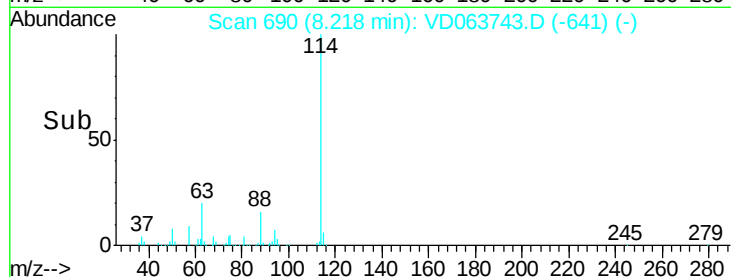
88 16.1 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 66.102 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063743.D

Acq: 22 Aug 2019 19:42

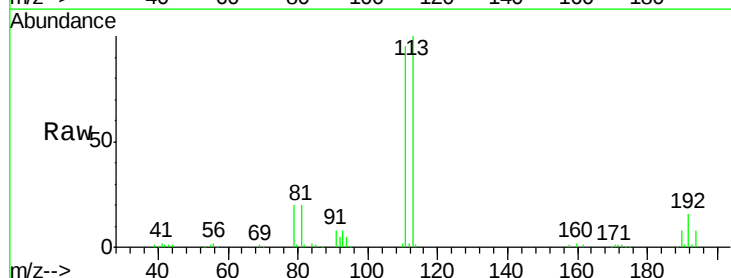
Tgt Ion:113 Resp: 578159

Ion Ratio Lower Upper

113 100

111 95.4 83.1 124.7

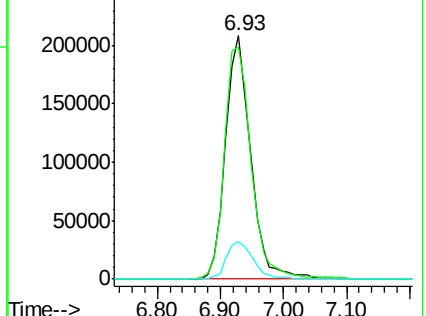
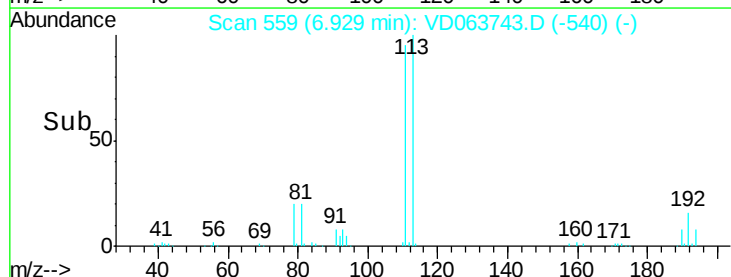
192 15.6 13.1 19.7

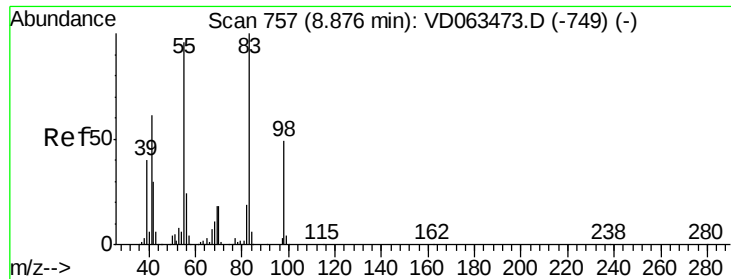


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

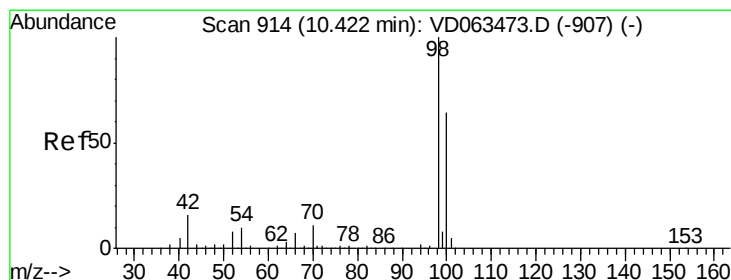
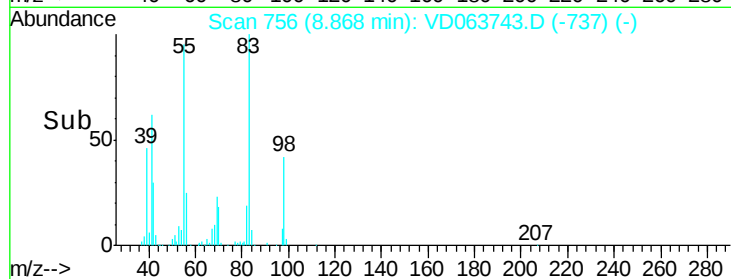
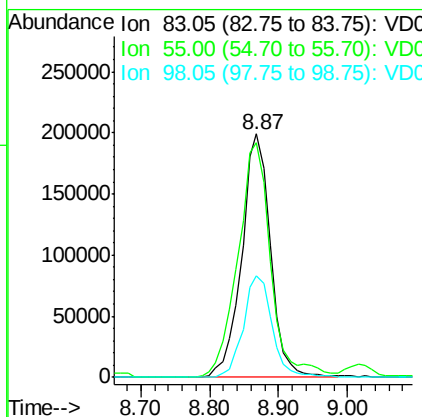
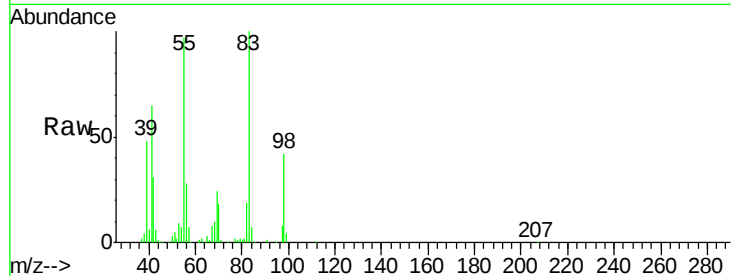




#39
Methylcyclohexane
Concen: 73.978 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD063743.D
Acq: 22 Aug 2019 19:42

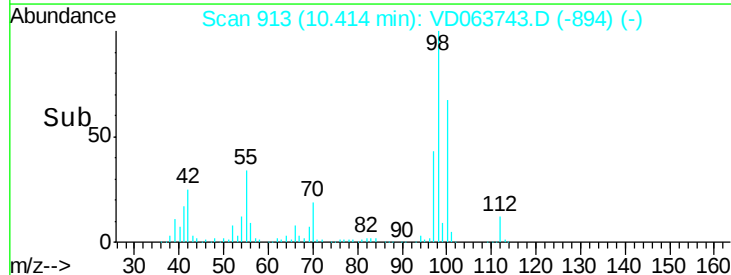
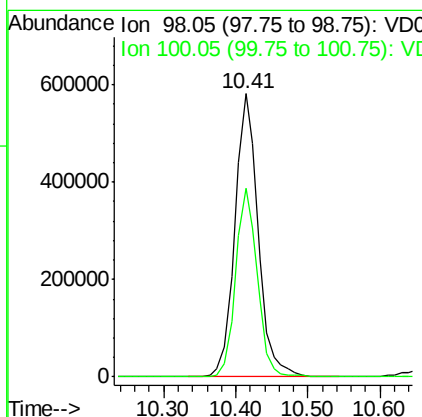
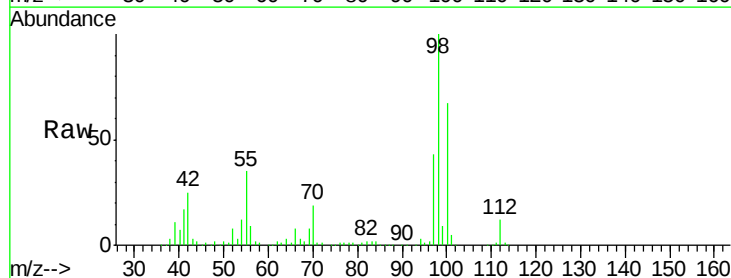
Instrument :
MSVOA_D
ClientSampleId :
S-WALL

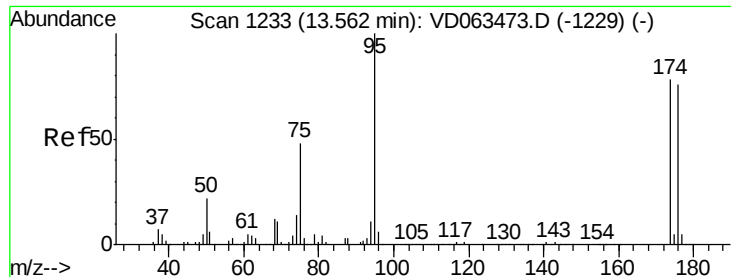
Tot Ion: 83 Resp: 577524
Ion Ratio Lower Upper
83 100
55 96.5 76.6 114.8
98 41.9 39.4 59.0



#50
Toluene-d8
Concen: 68.266 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063743.D
Acq: 22 Aug 2019 19:42

Tgt Ion: 98 Resp: 1312728
Ion Ratio Lower Upper
98 100
100 66.6 51.7 77.5

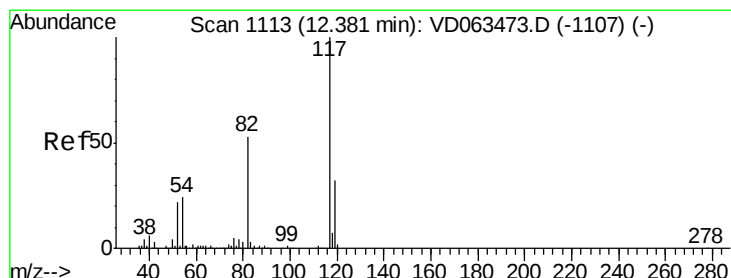
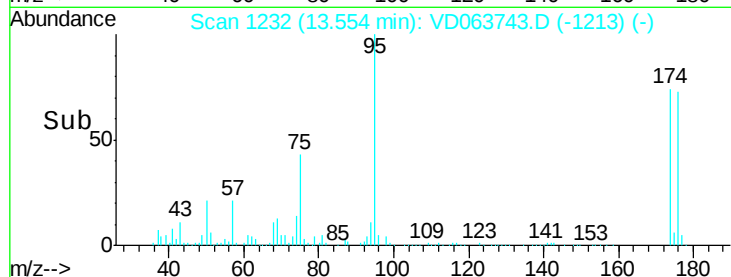
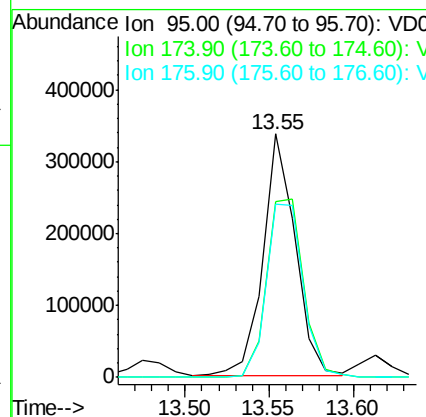
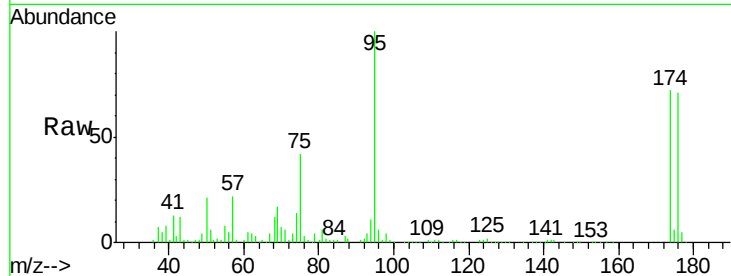




#62
4-Bromofluorobenzene
Concen: 51.396 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063743.D
Acq: 22 Aug 2019 19:42

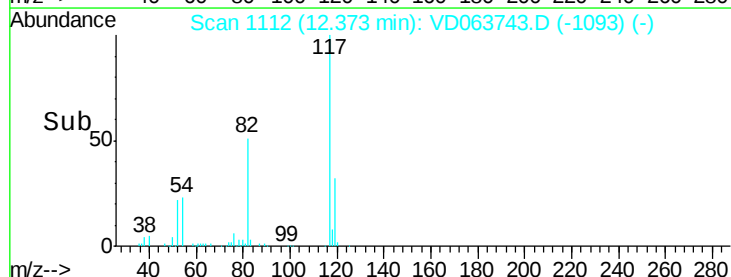
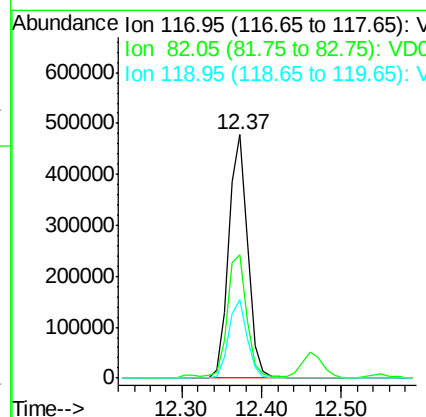
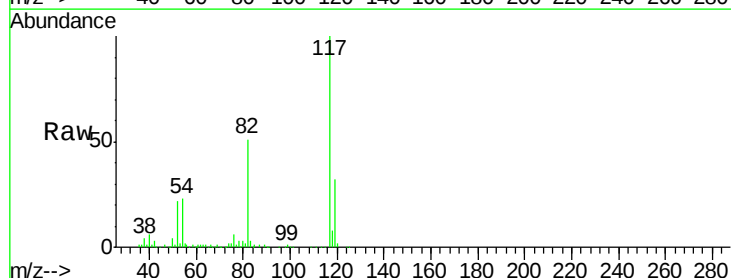
Instrument :
MSVOA_D
ClientSampled :
S-WALL

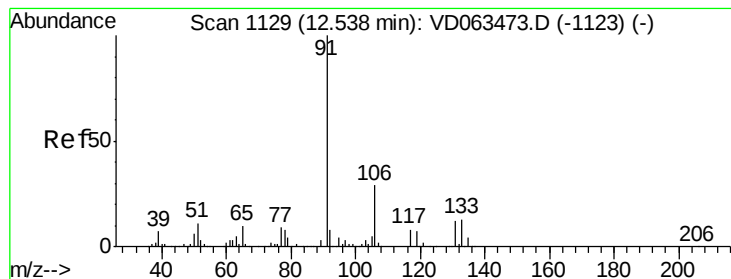
Tot Ion: 95 Resp: 447949
Ion Ratio Lower Upper
95 100
174 72.4 0.0 155.4
176 71.2 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063743.D
Acq: 22 Aug 2019 19:42

Tgt Ion: 117 Resp: 805402
Ion Ratio Lower Upper
117 100
82 50.9 42.0 63.0
119 32.4 25.4 38.0





#67

Ethyl Benzene

Concen: 4.580 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.02 min

Lab File: VD063743.D

Acq: 22 Aug 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

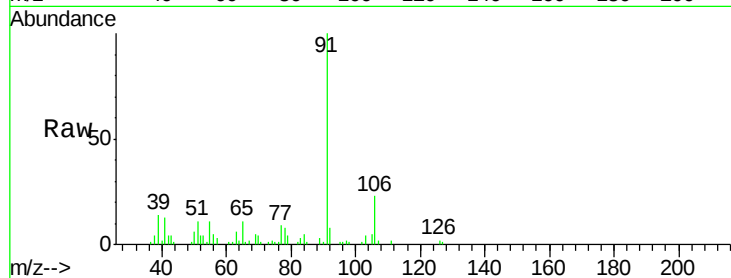
S-WALL

Tot Ion: 91 Resp: 120208

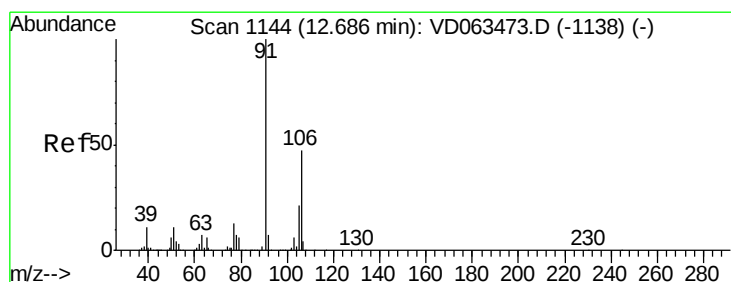
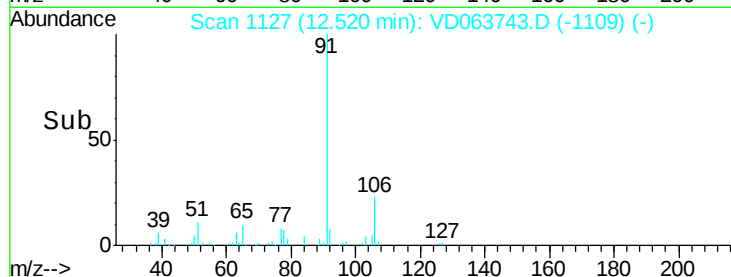
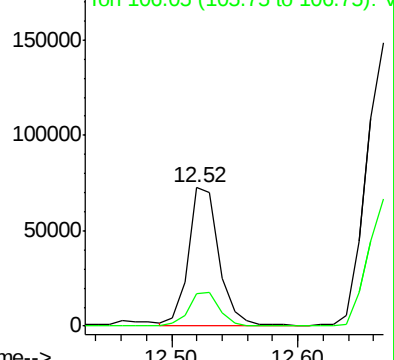
Ion Ratio Lower Upper

91 100

106 23.3 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): VD063473.D (-1123) (-)



#68

m/p-Xylenes

Concen: 13.917 ug/l

RT: 12.67 min Scan# 1142

Delta R.T. -0.02 min

Lab File: VD063743.D

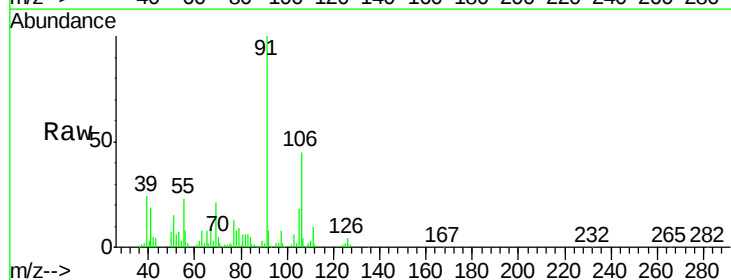
Acq: 22 Aug 2019 19:42

Tgt Ion: 106 Resp: 128333

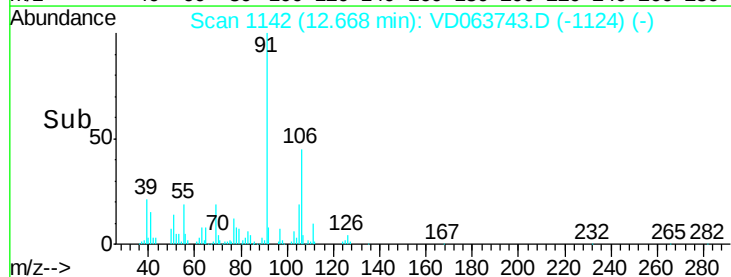
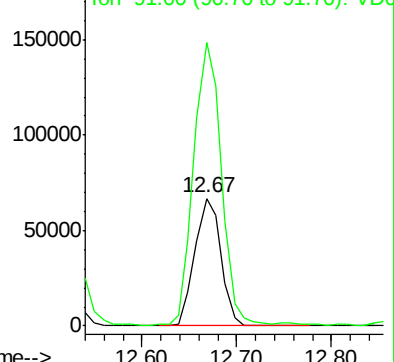
Ion Ratio Lower Upper

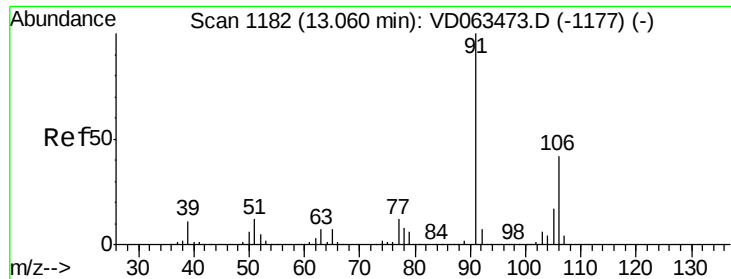
106 100

91 222.1 171.8 257.8



Abundance Ion 106.05 (105.75 to 106.75): VD063473.D (-1138) (-)

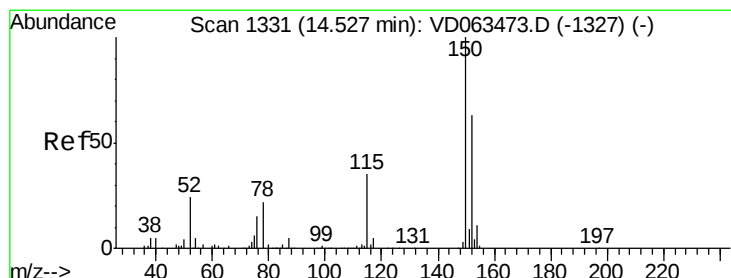
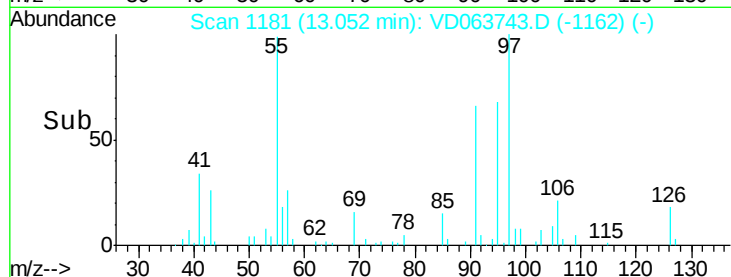
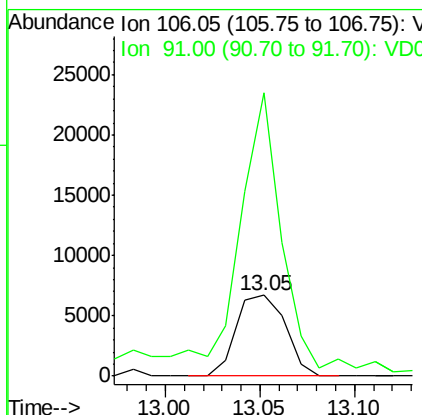
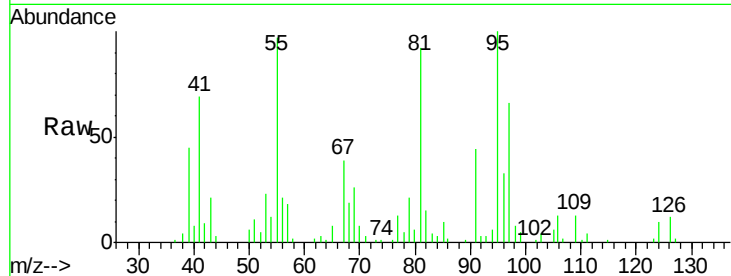




#69
o-Xylene
Concen: 1.361 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063743.D
Acq: 22 Aug 2019 19:42

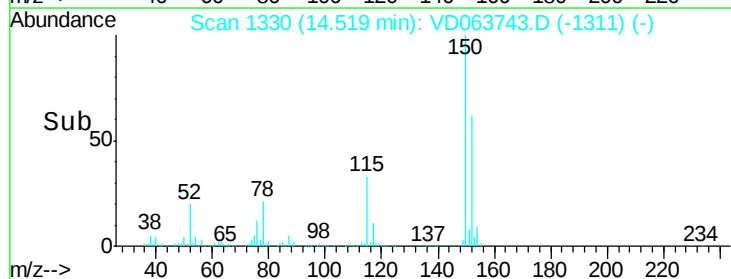
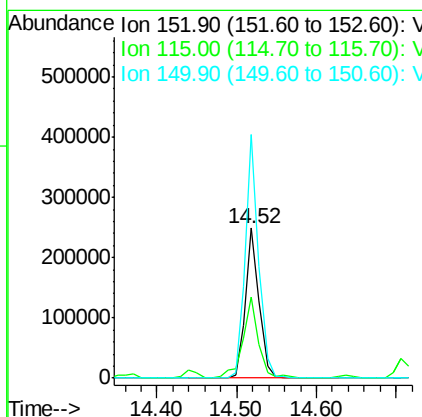
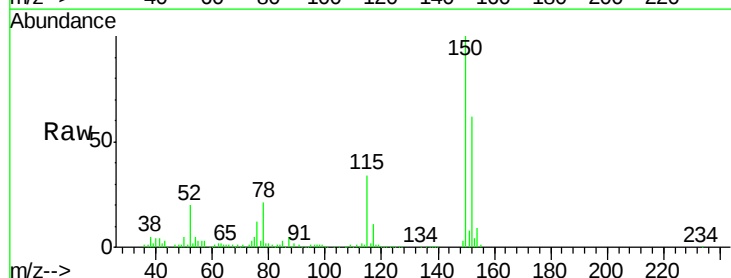
Instrument :
MSVOA_D
ClientSampleId :
S-WALL

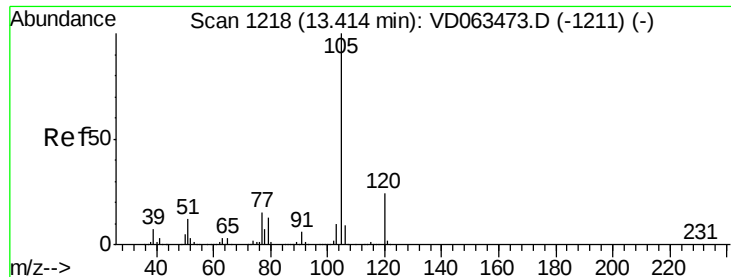
Tot Ion:106 Resp: 12075
Ion Ratio Lower Upper
106 100
91 351.1 118.1 354.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063743.D
Acq: 22 Aug 2019 19:42

Tgt Ion:152 Resp: 298482
Ion Ratio Lower Upper
152 100
115 54.5 30.9 92.7
150 162.6 0.0 318.6





#73

Isopropylbenzene

Concen: 5.421 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063743.D

Acq: 22 Aug 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

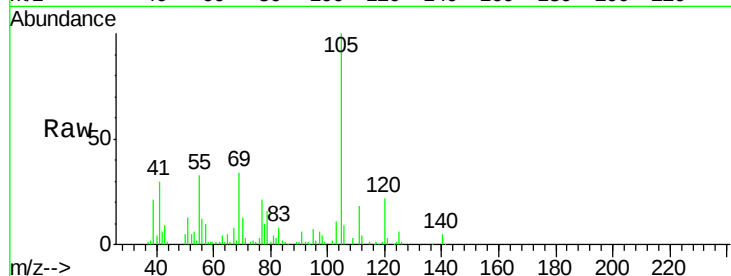
S-WALL

Tot Ion:105 Resp: 102927

Ion Ratio Lower Upper

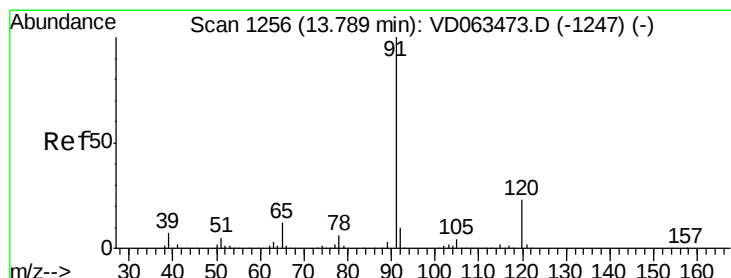
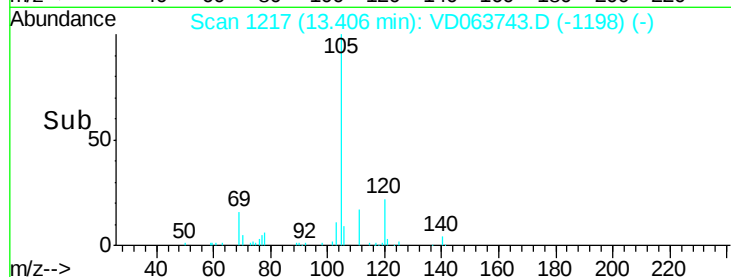
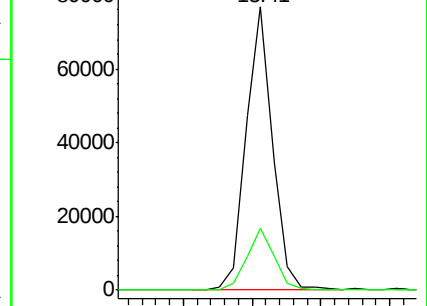
105 100

120 22.0 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#78

n-propylbenzene

Concen: 13.308 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063743.D

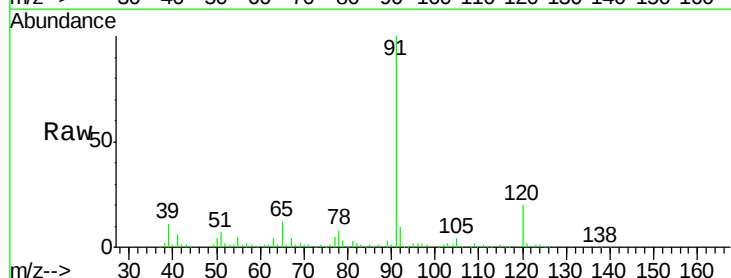
Acq: 22 Aug 2019 19:42

Tgt Ion: 91 Resp: 295624

Ion Ratio Lower Upper

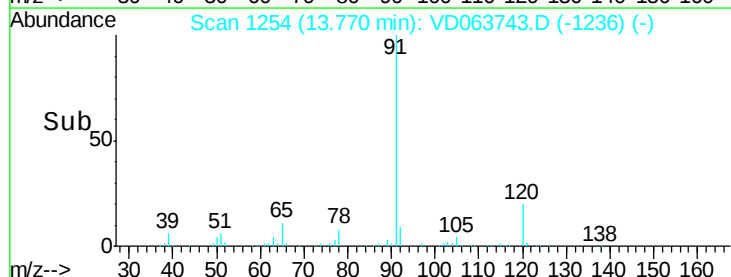
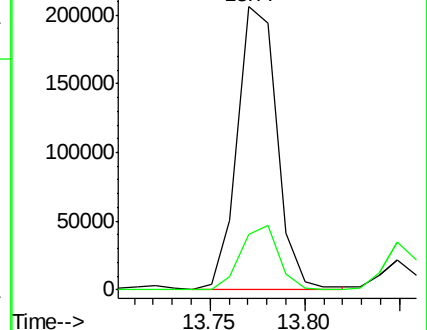
91 100

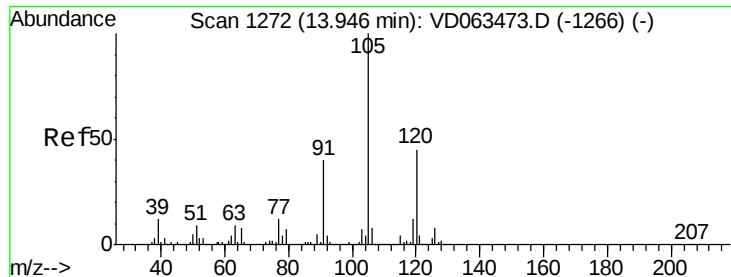
120 19.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V



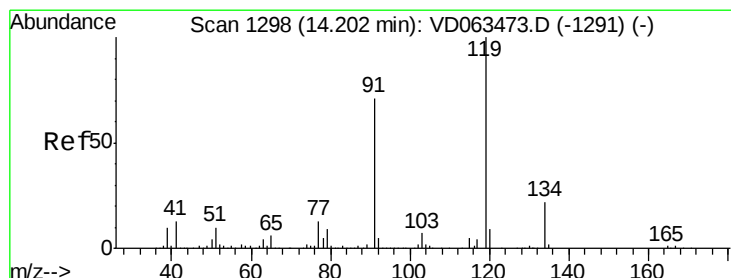
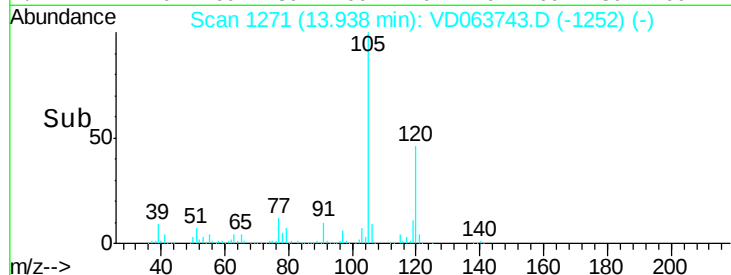
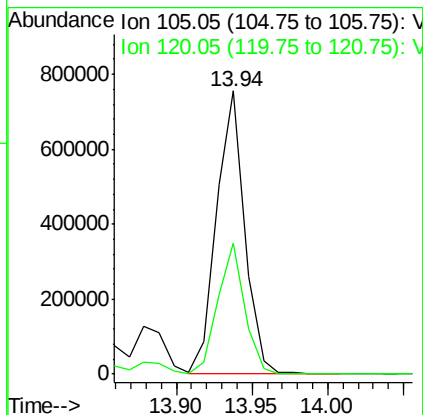
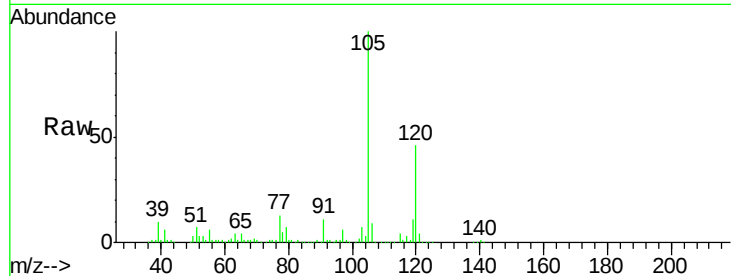


#80

1,3,5-Trimethylbenzene
Concen: 58.950 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD063743.D
Acq: 22 Aug 2019 19:42

Instrument :
MSVOA_D
ClientSampled :
S-WALL

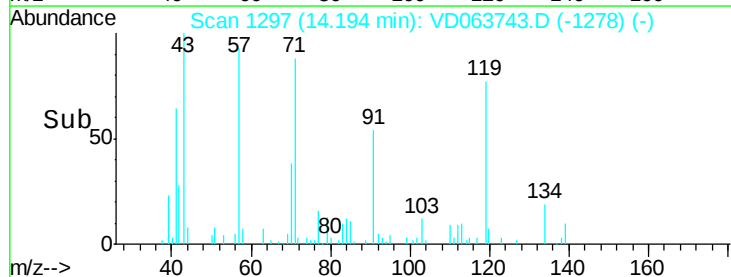
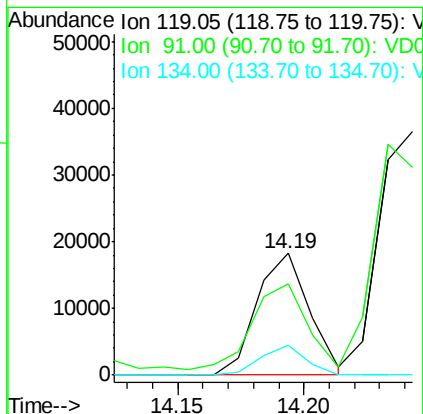
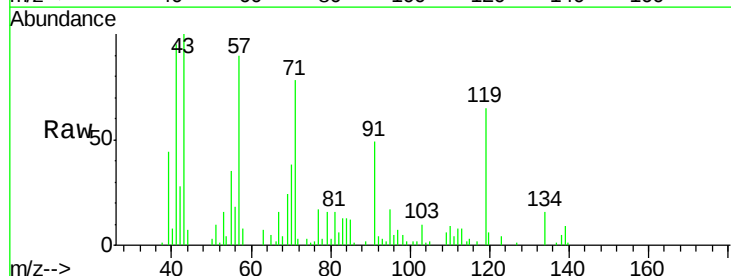
Tot Ion:105 Resp: 977868
Ion Ratio Lower Upper
105 100
120 46.2 22.8 68.3

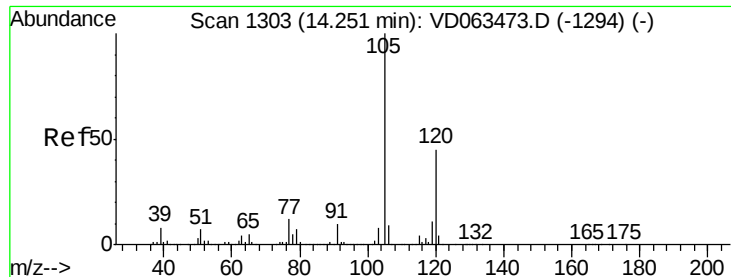


#83

tert-Butylbenzene
Concen: 1.514 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.01 min
Lab File: VD063743.D
Acq: 22 Aug 2019 19:42

Tgt Ion:119 Resp: 26441
Ion Ratio Lower Upper
119 100
91 75.2 35.5 106.7
134 24.0 11.1 33.1





#84

1,2,4-Trimethylbenzene

Concen: 31.445 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.01 min

Lab File: VD063743.D

Acq: 22 Aug 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

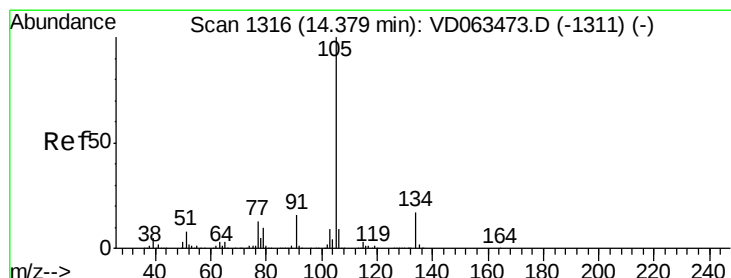
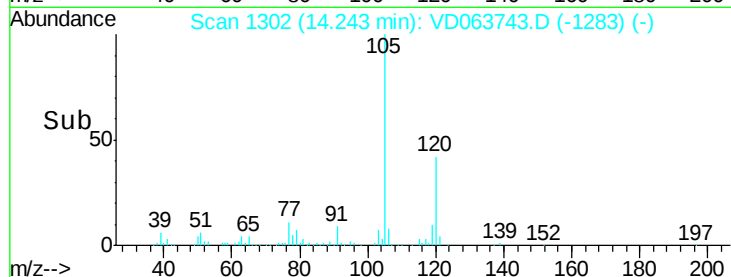
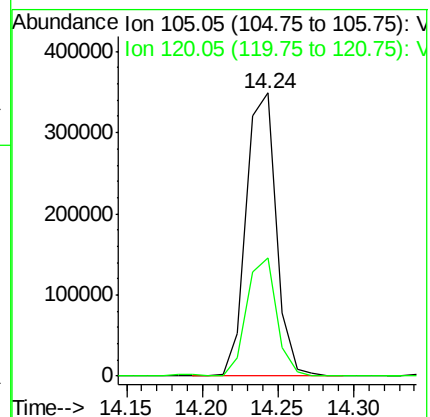
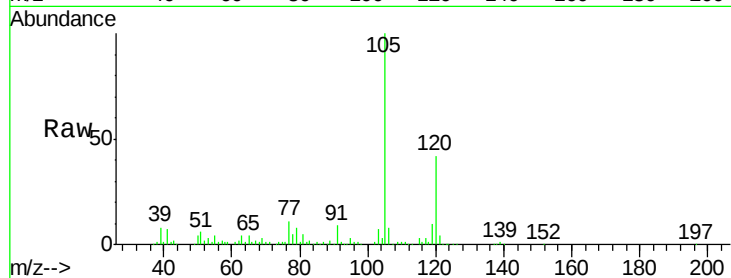
S-WALL

Tot Ion:105 Resp: 482634

Ion Ratio Lower Upper

105 100

120 41.8 22.7 68.1



#85

sec-Butylbenzene

Concen: 12.771 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD063743.D

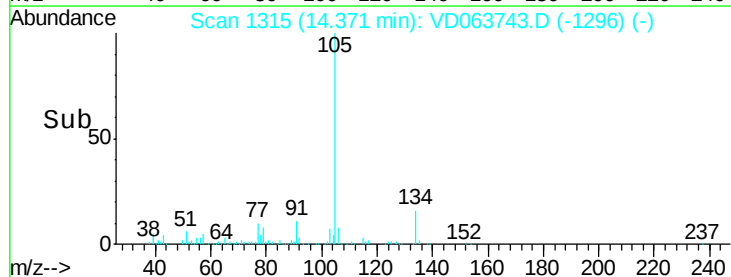
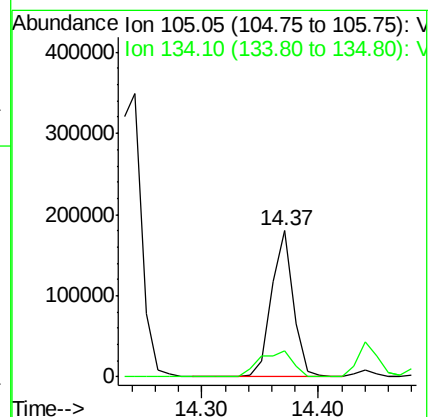
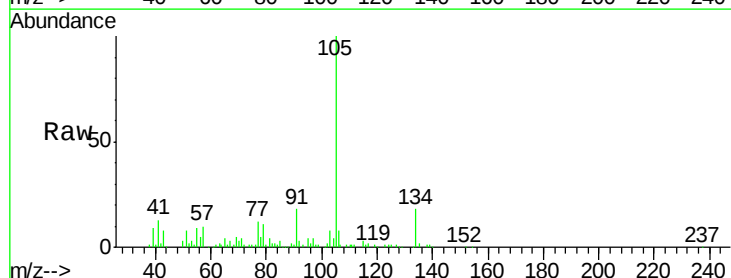
Acq: 22 Aug 2019 19:42

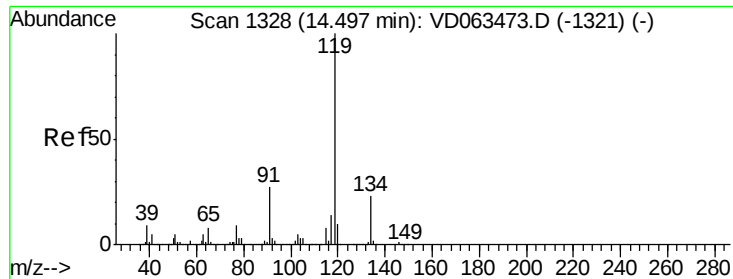
Tgt Ion:105 Resp: 236906

Ion Ratio Lower Upper

105 100

134 17.9 8.3 24.8

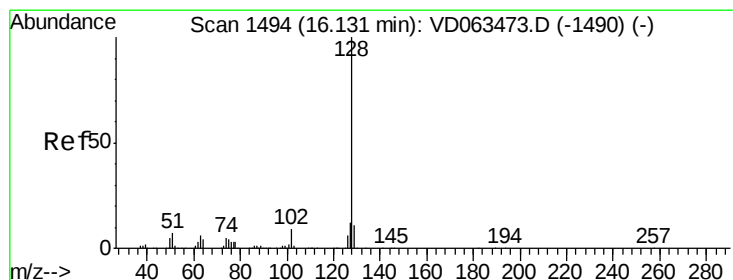
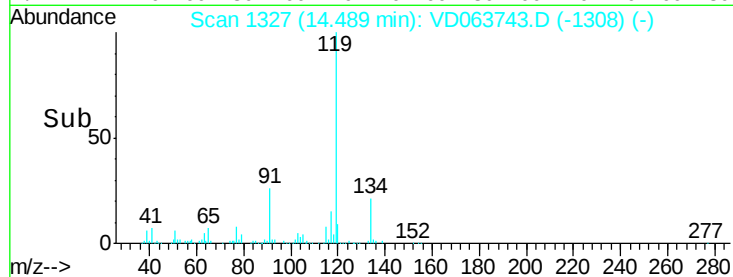
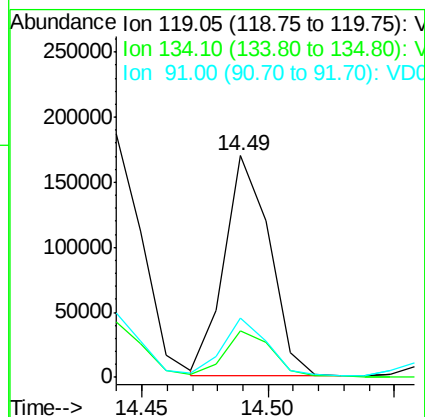
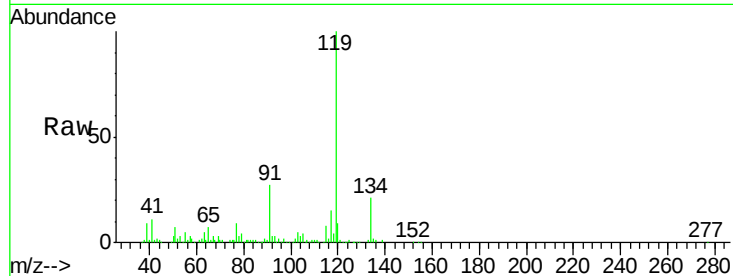




#86
 p-Isopropyltoluene
 Concen: 11.925 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063743.D
 Acq: 22 Aug 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 S-WALL

Tot Ion:119	Resp:	211512
Ion Ratio	Lower	Upper
119	100	
134	21.0	11.3 33.8
91	26.7	13.5 40.4



#95
 Naphthalene
 Concen: 19.910 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: VD063743.D
 Acq: 22 Aug 2019 19:42

Tgt Ion:128	Resp:	176794
Ion Ratio	Lower	Upper
128	100	
127	12.3	9.4 14.0
129	10.4	8.5 12.7

