

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082319\
 Data File : VD063769.D
 Acq On : 23 Aug 2019 16:33
 Operator : JC/SY
 Sample : K4452-02RE
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-WALLRE

Quant Time: Aug 26 11:28:08 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	7.04	168	780343	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	1089382	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	846558	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	316055	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	564300	67.65	ug/l	-0.02
Spiked Amount				50.000		
Recovery						135.30%
35) Dibromofluoromethane	6.92	113	658772	71.80	ug/l	-0.02
Spiked Amount				50.000		
Recovery						143.60%
50) Toluene-d8	10.40	98	1513442	75.03	ug/l	-0.02
Spiked Amount				50.000		
Recovery						150.06%
62) 4-Bromofluorobenzene	13.55	95	448107	49.01	ug/l	0.00
Spiked Amount				50.000		
Recovery						98.02%

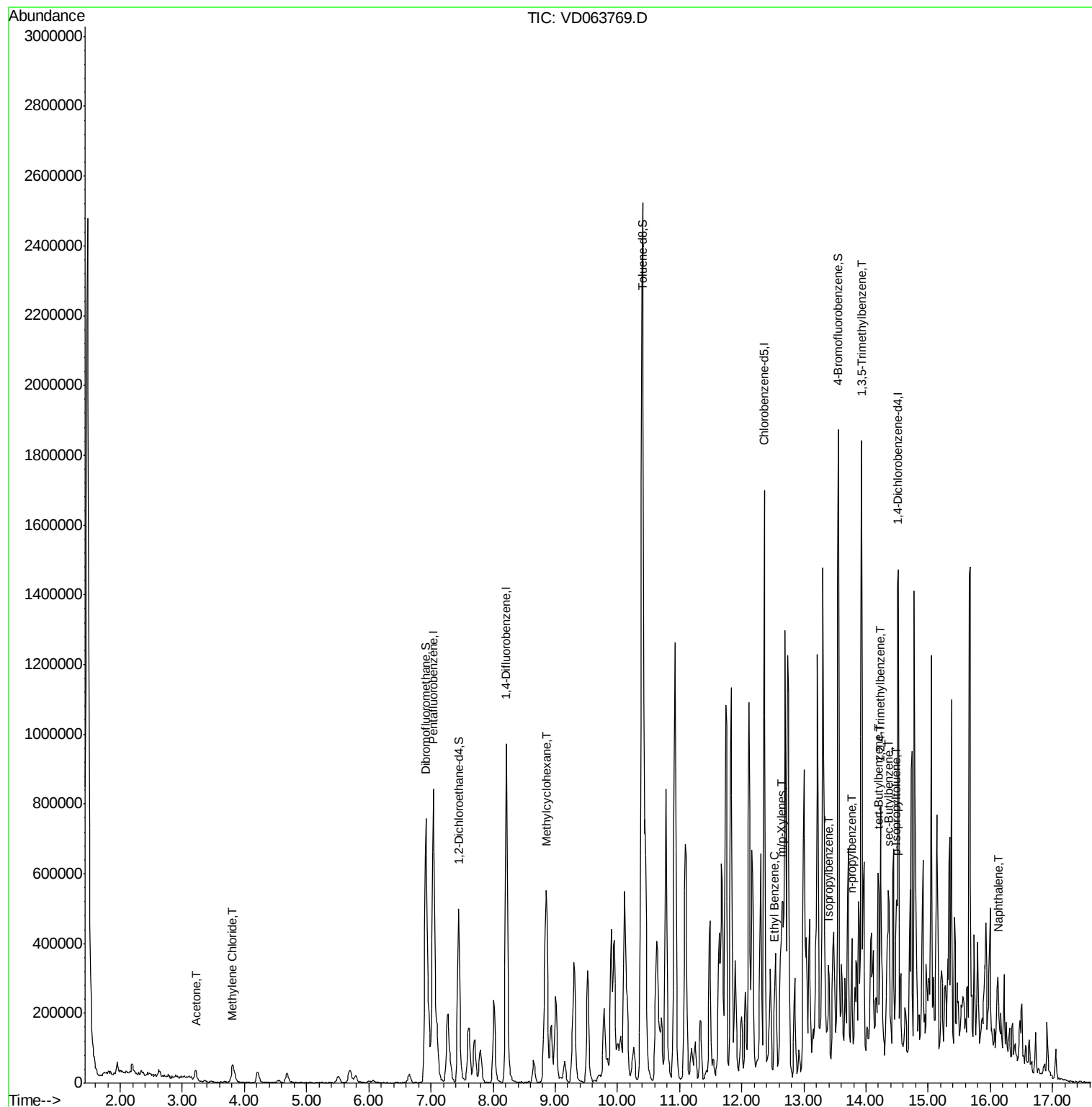
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	70908	41.818	ug/l	99
20) Methylene Chloride	3.80	84	22754	3.103	ug/l #	94
39) Methylcyclohexane	8.86	83	295235	36.052	ug/l #	94
67) Ethyl Benzene	12.52	91	68691	2.490	ug/l	94
68) m/p-Xylenes	12.66	106	82392	8.501	ug/l	95
73) Isopropylbenzene	13.41	105	74230	3.693	ug/l	89
78) n-propylbenzene	13.77	91	205488	8.736	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	681978	38.827	ug/l	94
83) tert-Butylbenzene	14.18	119	18717	1.012	ug/l	74
84) 1,2,4-Trimethylbenzene	14.23	105	293981	18.089	ug/l	92
85) sec-Butylbenzene	14.36	105	175477	8.934	ug/l	99
86) p-Isopropyltoluene	14.49	119	180318	9.601	ug/l	99
95) Naphthalene	16.12	128	120627	12.829	ug/l	97

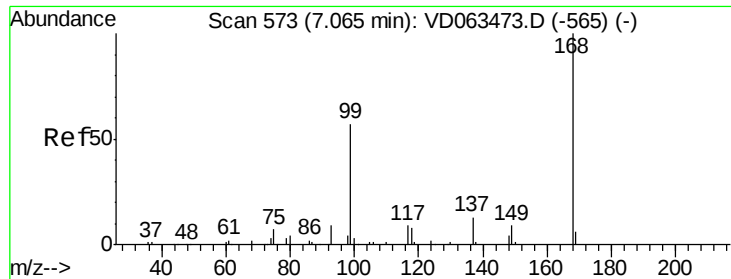
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
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: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063769.D

Acq: 23 Aug 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

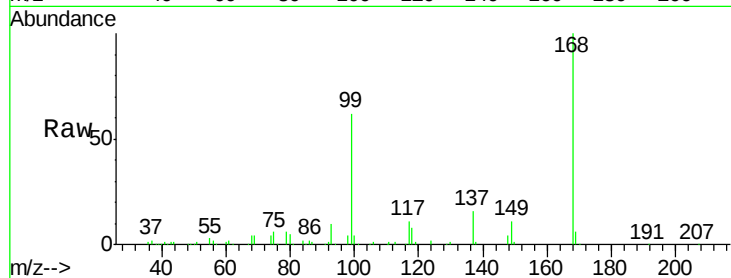
S-WALLRE

Tot Ion:168 Resp: 780343

Ion Ratio Lower Upper

168 100

99 61.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

250000

200000

150000

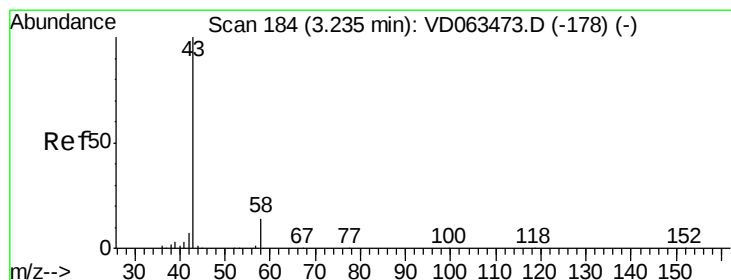
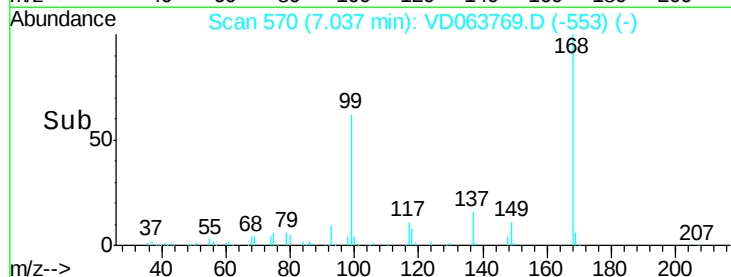
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 41.818 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063769.D

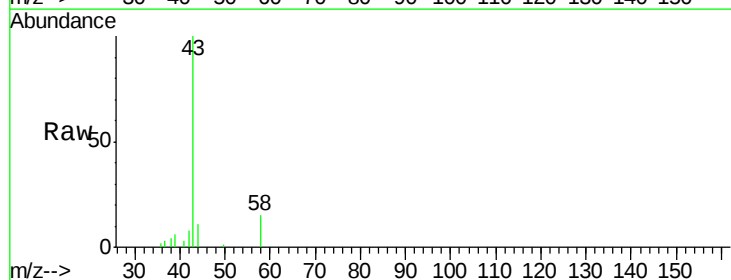
Acq: 23 Aug 2019 16:33

Tgt Ion: 43 Resp: 70908

Ion Ratio Lower Upper

43 100

58 14.7 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

25000

20000

15000

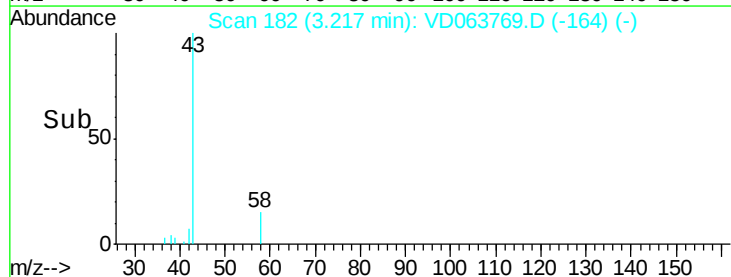
10000

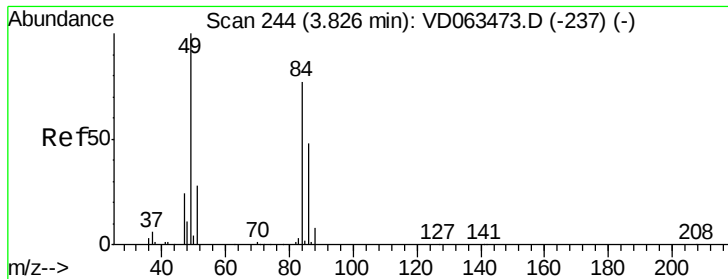
5000

0

3.10 3.20 3.30

Time-->

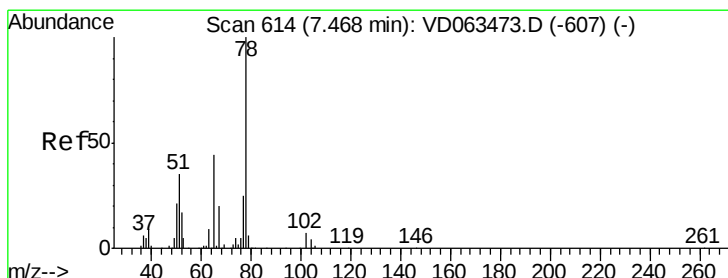
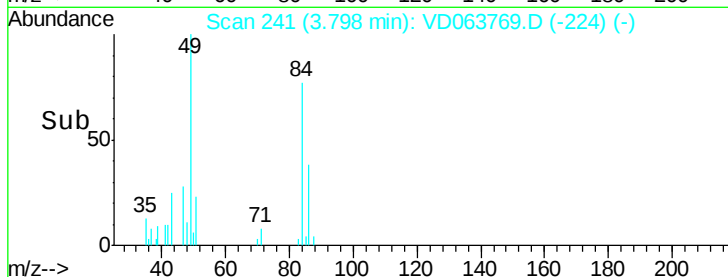
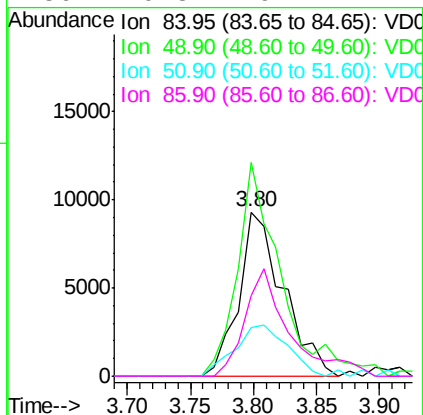
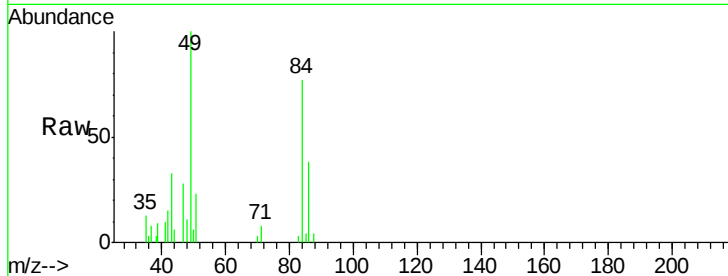




#20
Methylene Chloride
Concen: 3.103 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063769.D
Acq: 23 Aug 2019 16:33

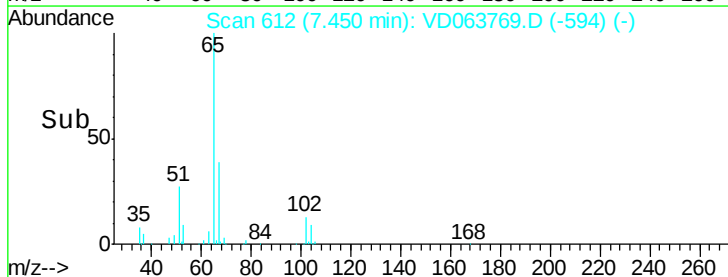
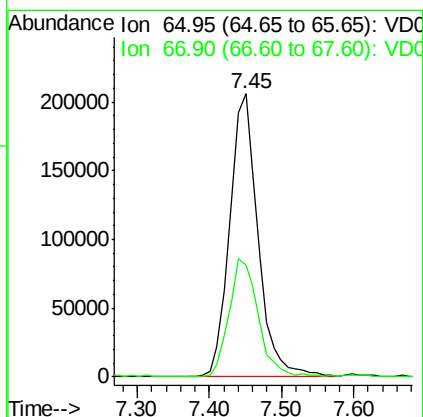
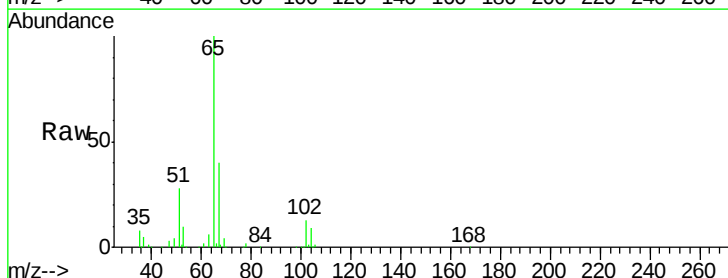
Instrument :
MSVOA_D
ClientSampleId :
S-WALLRE

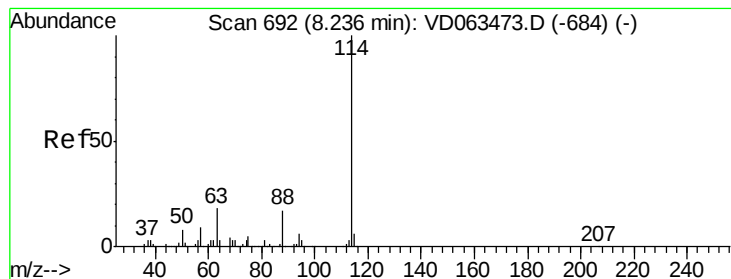
Tot Ion: 84 Resp: 22754
Ion Ratio Lower Upper
84 100
49 130.0 103.4 155.2
51 29.6 28.5 42.7
86 49.3 49.4 74.2#



#33
1,2-Dichloroethane-d4
Concen: 67.652 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063769.D
Acq: 23 Aug 2019 16:33

Tgt Ion: 65 Resp: 564300
Ion Ratio Lower Upper
65 100
67 39.7 0.0 89.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063769.D

Acq: 23 Aug 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

S-WALLRE

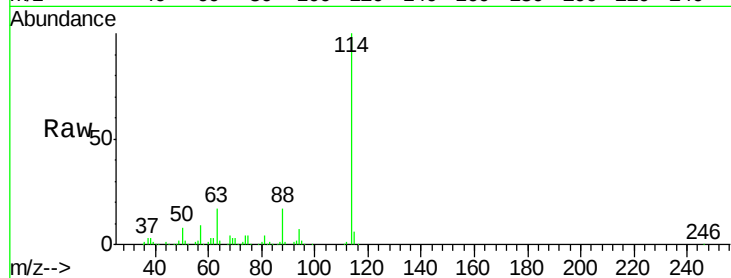
Tot Ion:114 Resp: 1089382

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.2

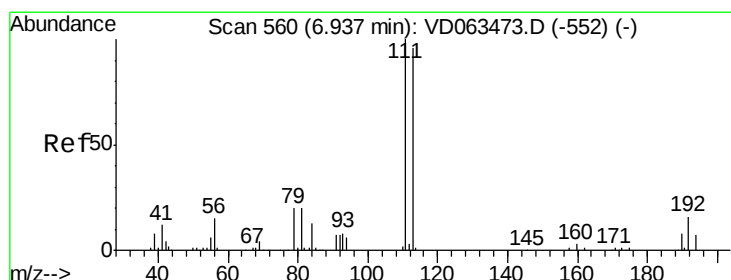
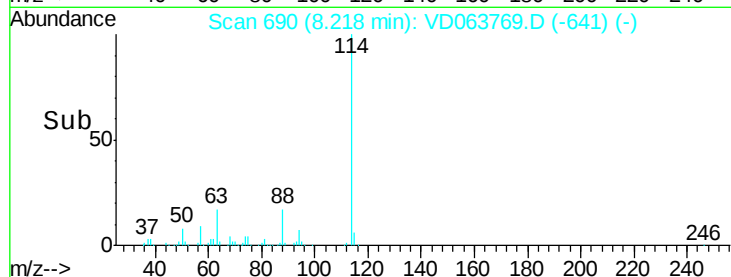
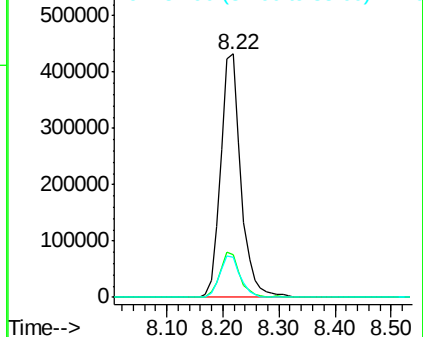
88 16.6 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 71.802 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063769.D

Acq: 23 Aug 2019 16:33

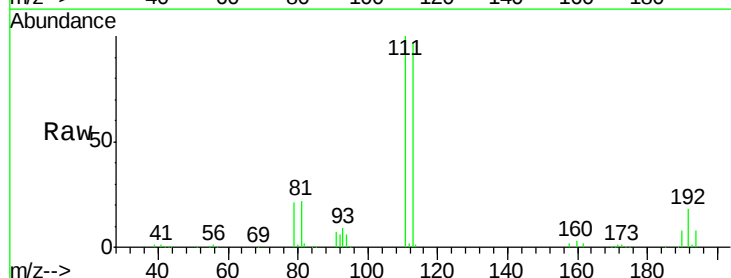
Tgt Ion:113 Resp: 658772

Ion Ratio Lower Upper

113 100

111 102.9 83.1 124.7

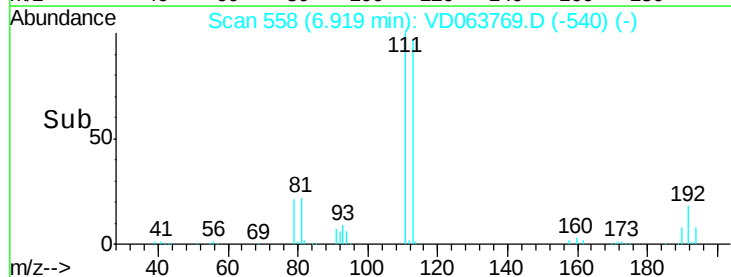
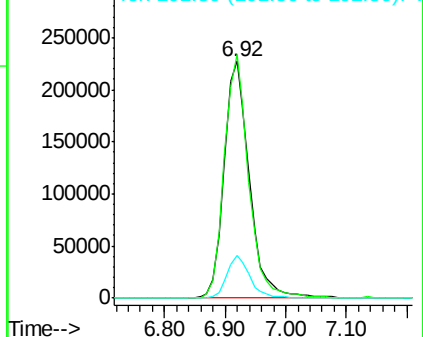
192 18.2 13.1 19.7

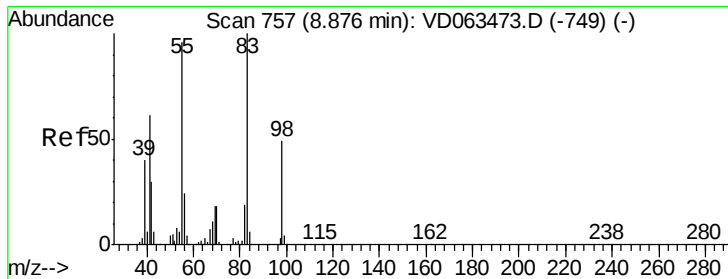


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

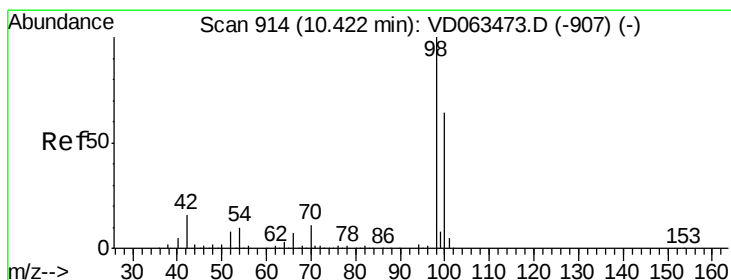
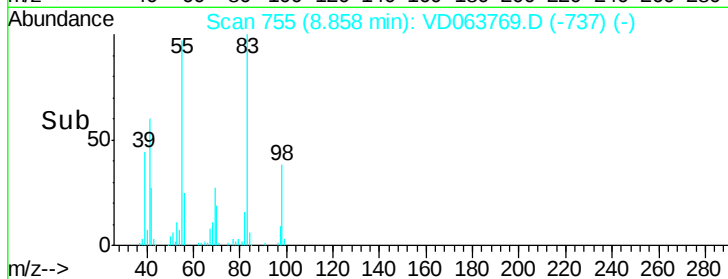
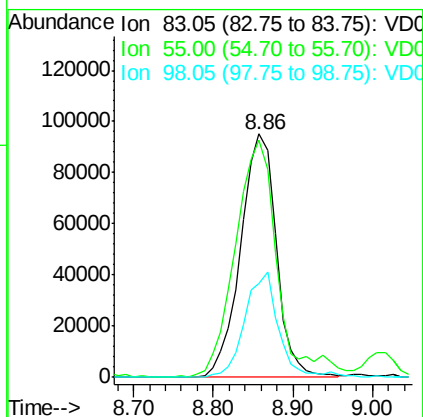
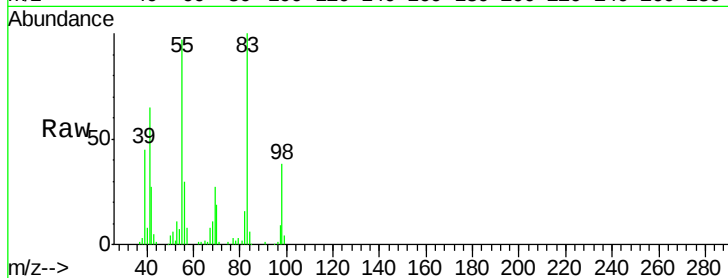




#39
Methylcyclohexane
Concen: 36.052 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD063769.D
Acq: 23 Aug 2019 16:33

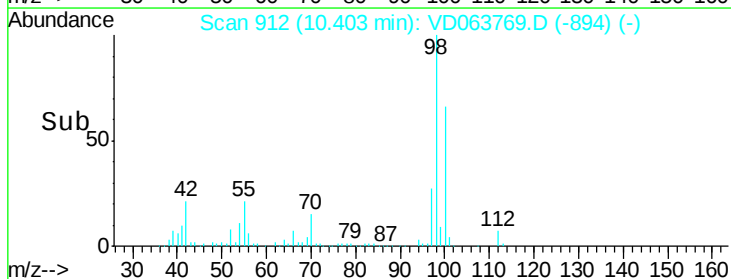
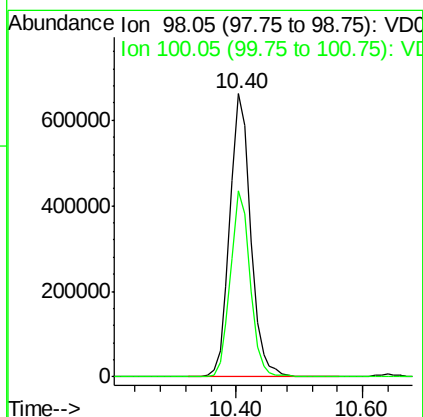
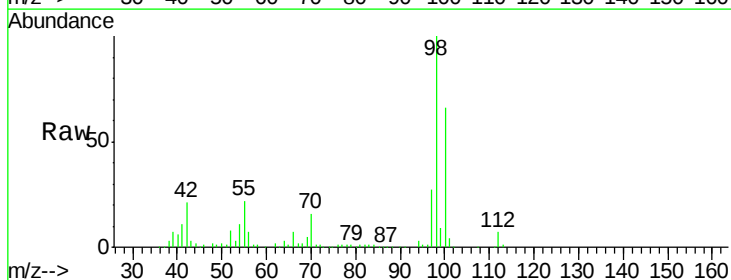
Instrument :
MSVOA_D
ClientSampleId :
S-WALLRE

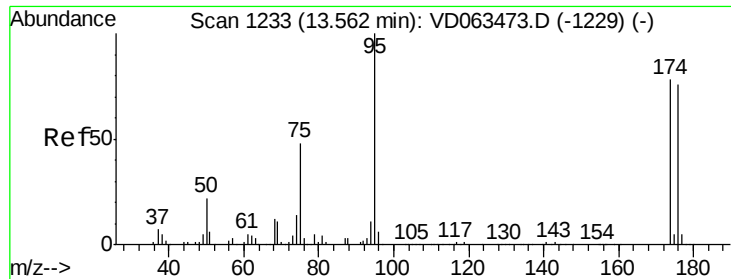
Tot Ion: 83 Resp: 295235
Ion Ratio Lower Upper
83 100
55 97.2 76.6 114.8
98 38.4 39.4 59.0#



#50
Toluene-d8
Concen: 75.029 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063769.D
Acq: 23 Aug 2019 16:33

Tgt Ion: 98 Resp: 1513442
Ion Ratio Lower Upper
98 100
100 65.6 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 49.014 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063769.D

Acq: 23 Aug 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

S-WALLRE

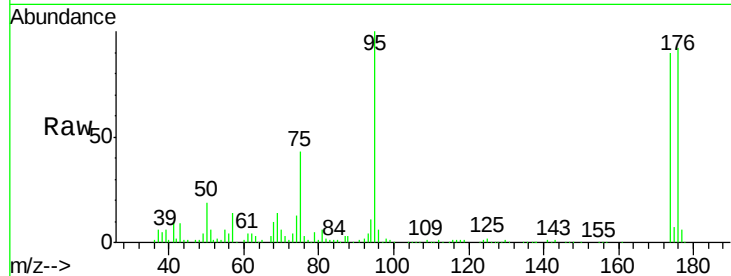
Tot Ion: 95 Resp: 448107

Ion Ratio Lower Upper

95 100

174 89.5 0.0 155.4

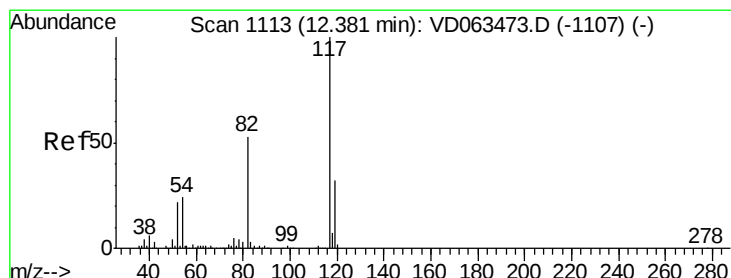
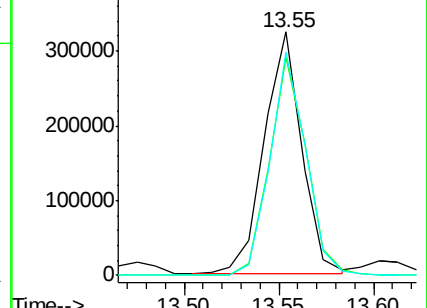
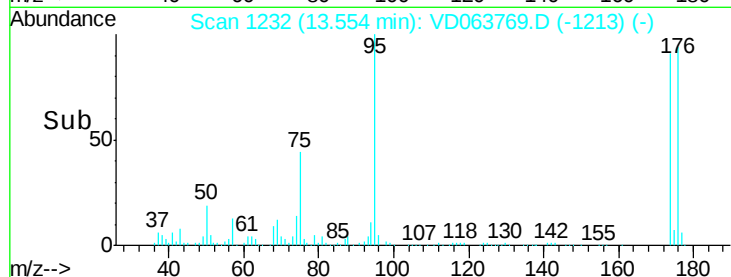
176 91.5 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VD063769.D

Acq: 23 Aug 2019 16:33

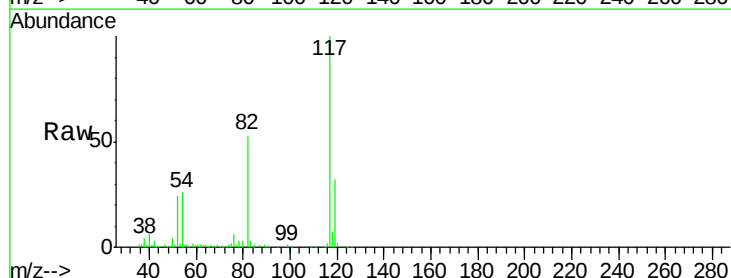
Tgt Ion: 117 Resp: 846558

Ion Ratio Lower Upper

117 100

82 52.7 42.0 63.0

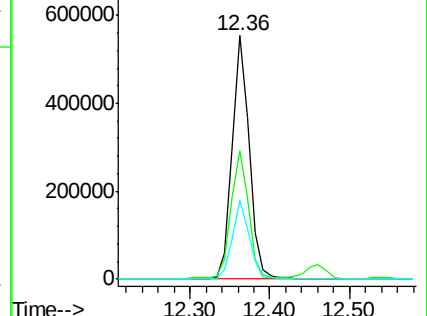
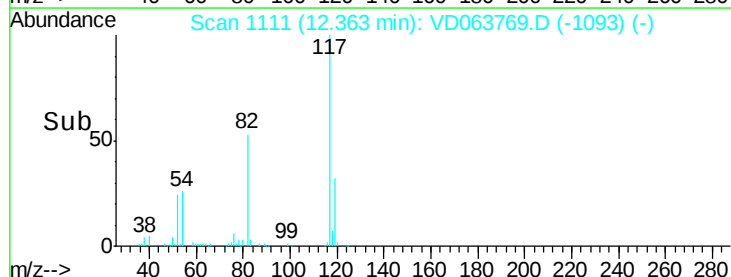
119 32.2 25.4 38.0

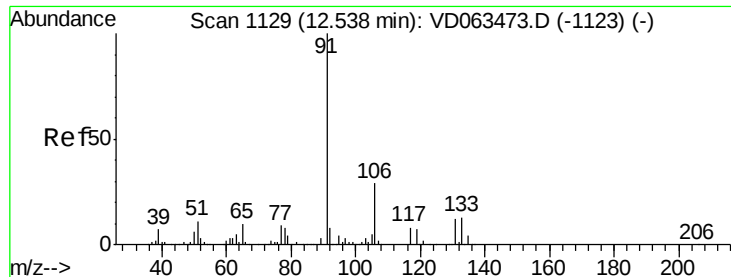


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

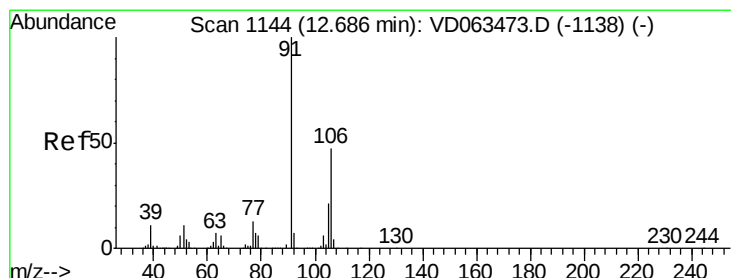
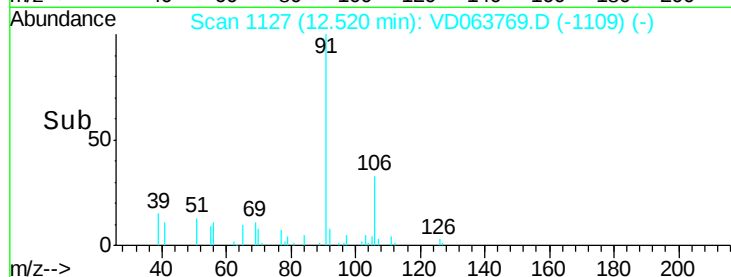
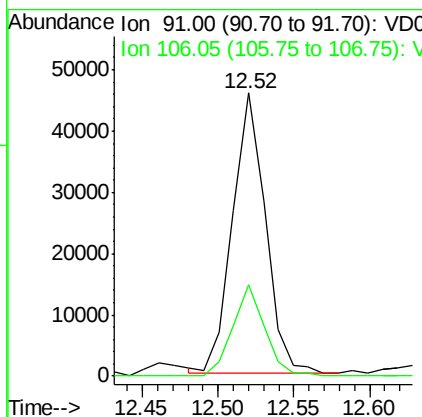
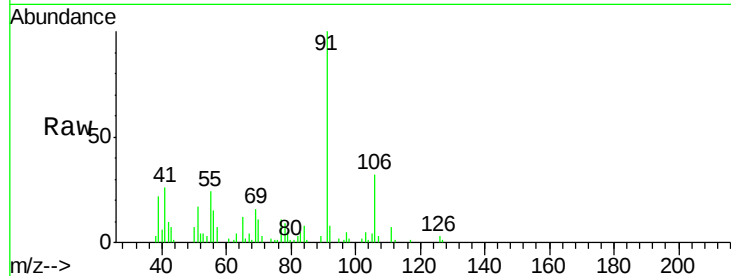




#67
Ethyl Benzene
Concen: 2.490 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063769.D
Acq: 23 Aug 2019 16:33

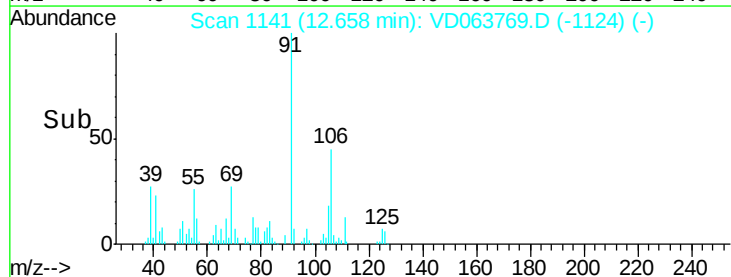
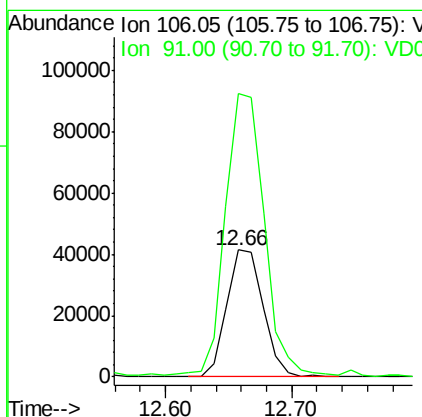
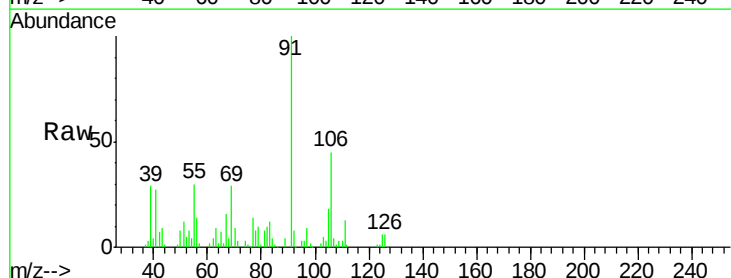
Instrument :
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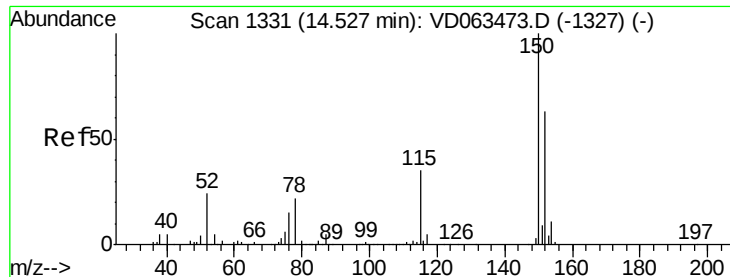
Tot Ion: 91 Resp: 68691
Ion Ratio Lower Upper
91 100
106 32.2 23.1 34.7



#68
m/p-Xylenes
Concen: 8.501 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.03 min
Lab File: VD063769.D
Acq: 23 Aug 2019 16:33

Tgt Ion: 106 Resp: 82392
Ion Ratio Lower Upper
106 100
91 223.1 171.8 257.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063769.D

Acq: 23 Aug 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

S-WALLRE

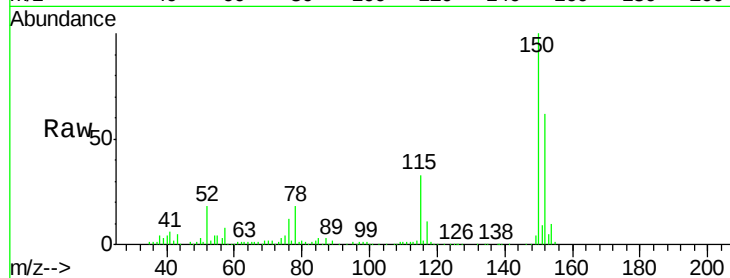
Tot Ion:152 Resp: 316055

Ion Ratio Lower Upper

152 100

115 53.2 30.9 92.7

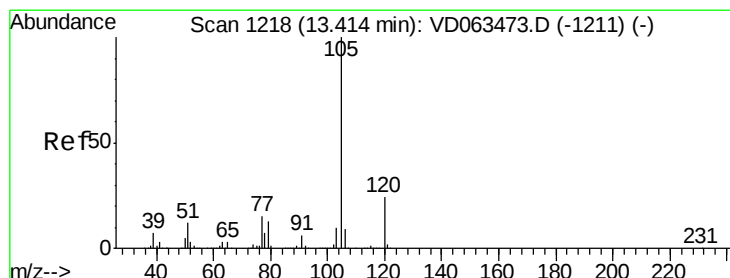
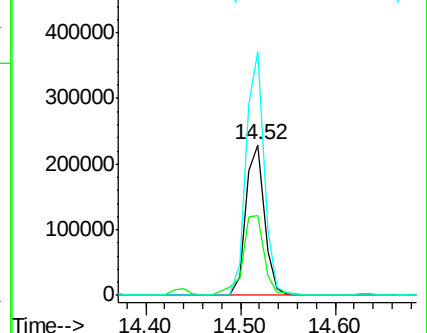
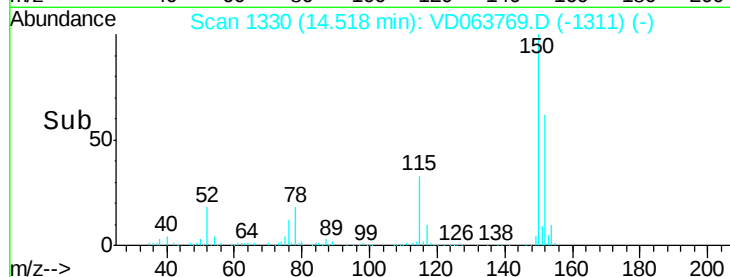
150 161.9 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 3.693 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063769.D

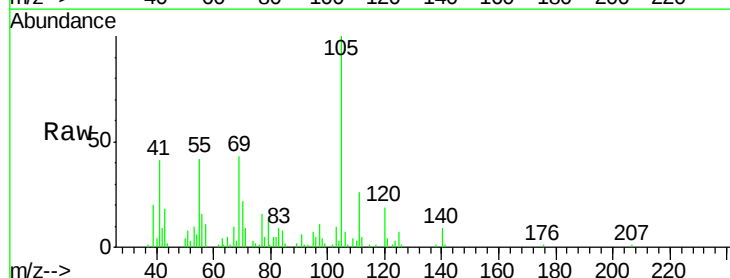
Acq: 23 Aug 2019 16:33

Tgt Ion:105 Resp: 74230

Ion Ratio Lower Upper

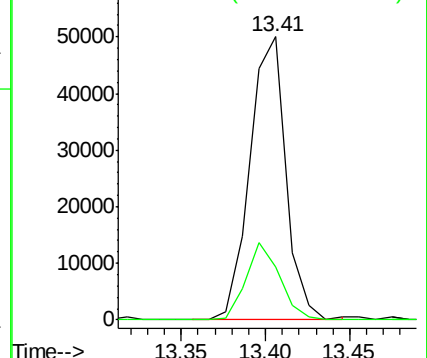
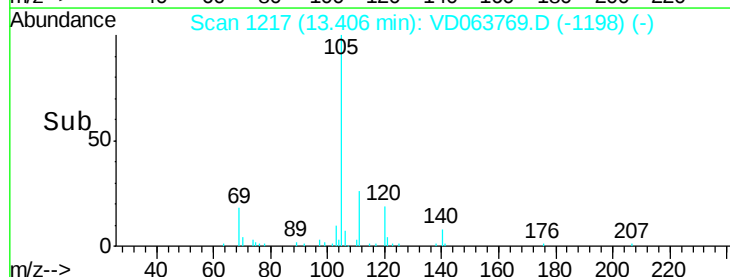
105 100

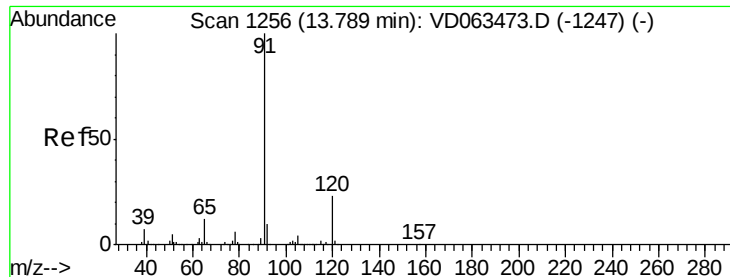
120 18.6 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#78

n-propylbenzene

Concen: 8.736 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063769.D

Acq: 23 Aug 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

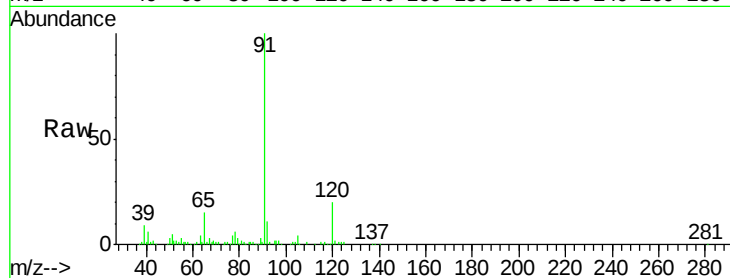
S-WALLRE

Tot Ion: 91 Resp: 205488

Ion Ratio Lower Upper

91 100

120 20.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VD063473.D (-1247) (-)

Ion 120.05 (119.75 to 120.75): VD063473.D (-1247) (-)

13.77

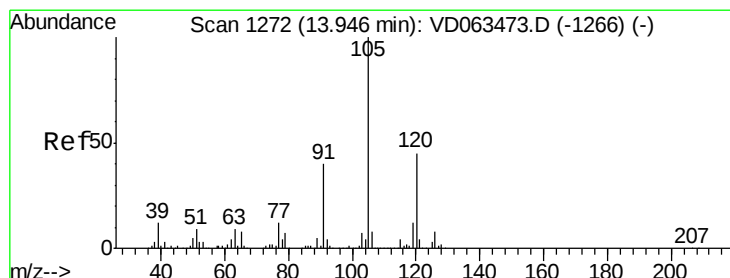
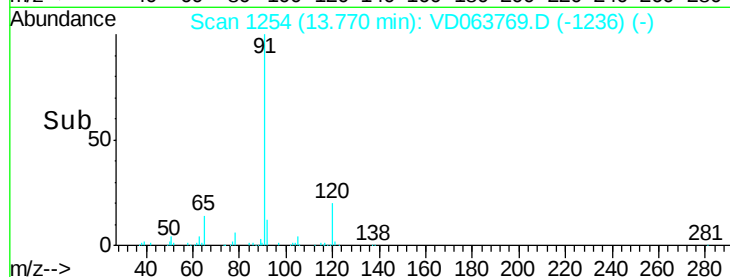
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 38.827 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD063769.D

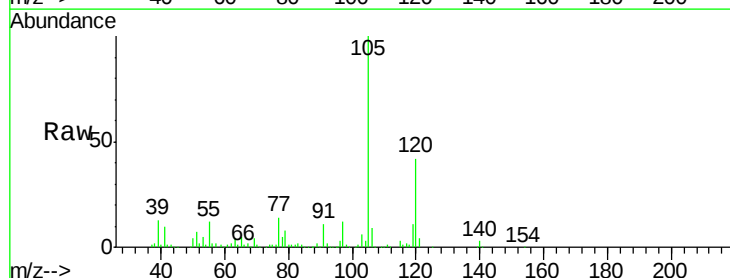
Acq: 23 Aug 2019 16:33

Tgt Ion: 105 Resp: 681978

Ion Ratio Lower Upper

105 100

120 41.7 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): VD063473.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD063473.D (-1266) (-)

13.93

600000

500000

400000

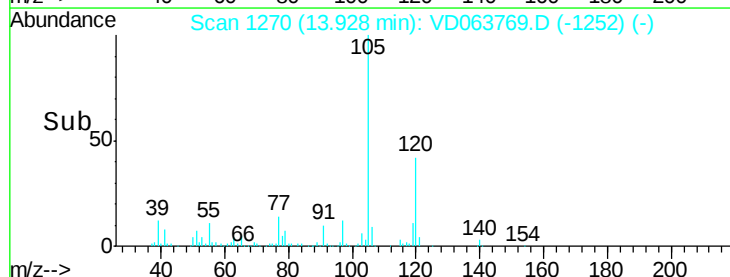
300000

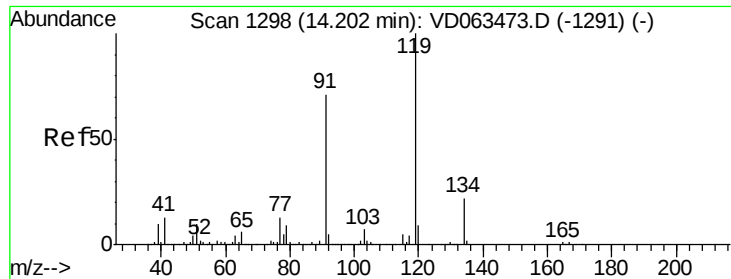
200000

100000

0

Time-->

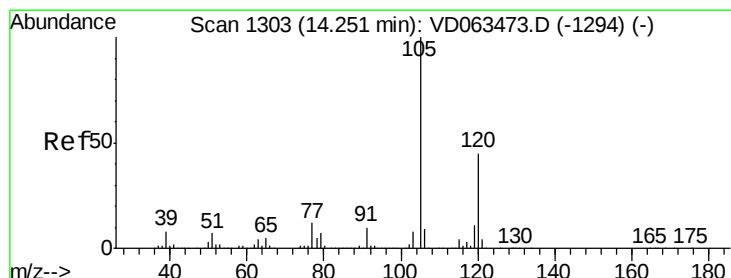
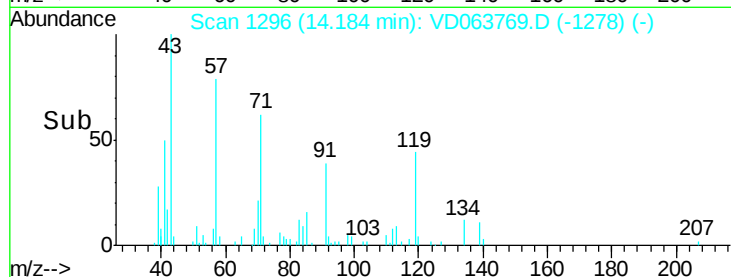
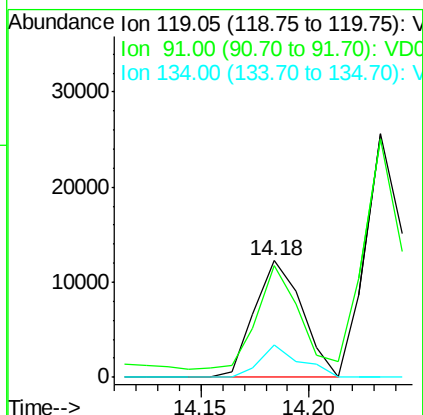
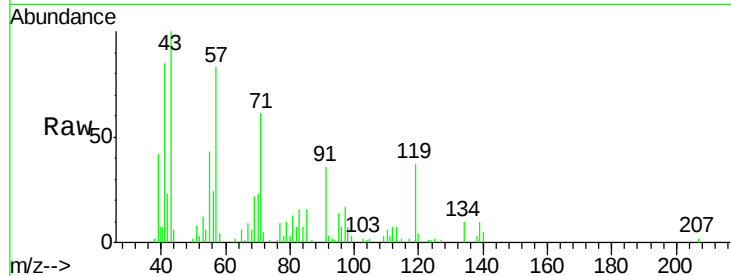




#83
tert-Butylbenzene
Concen: 1.012 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.02 min
Lab File: VD063769.D
Acq: 23 Aug 2019 16:33

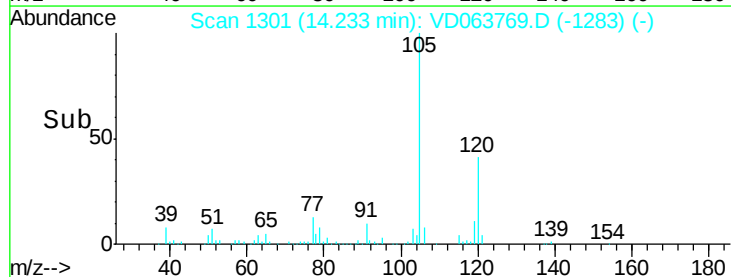
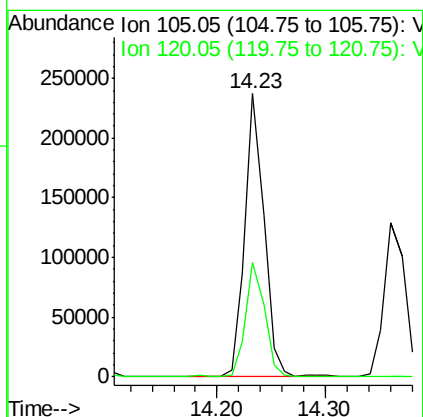
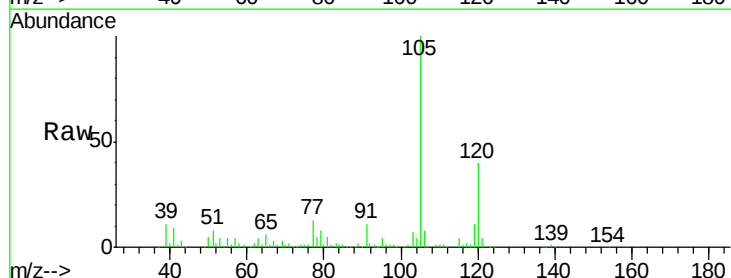
Instrument :
MSVOA_D
ClientSampleId :
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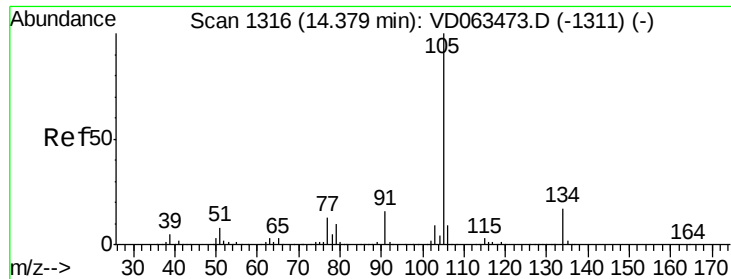
Tot Ion:119 Resp: 18717
Ion Ratio Lower Upper
119 100
91 96.2 35.5 106.7
134 28.0 11.1 33.1



#84
1,2,4-Trimethylbenzene
Concen: 18.089 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.02 min
Lab File: VD063769.D
Acq: 23 Aug 2019 16:33

Tgt Ion:105 Resp: 293981
Ion Ratio Lower Upper
105 100
120 40.3 22.7 68.1

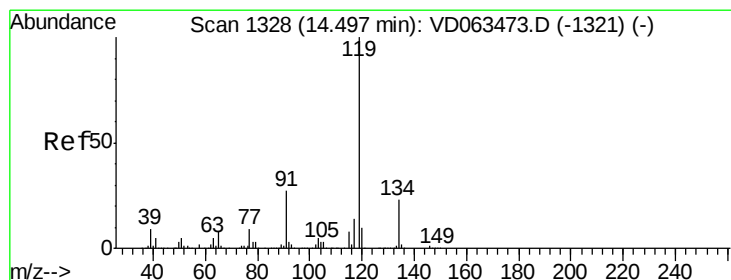
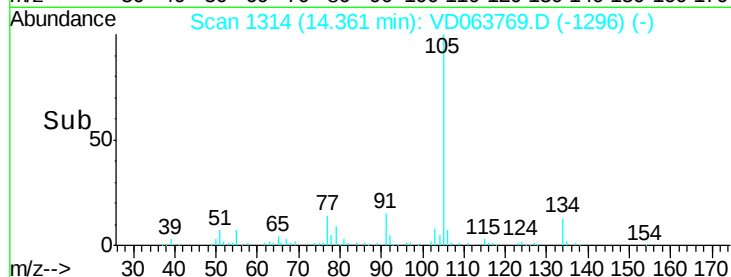
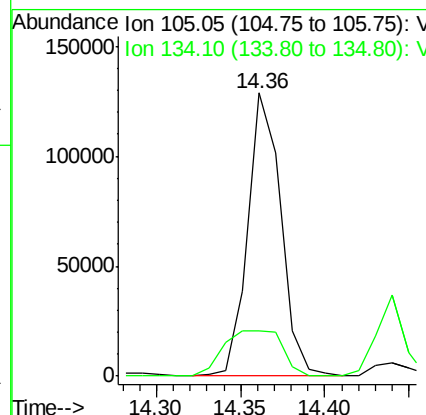
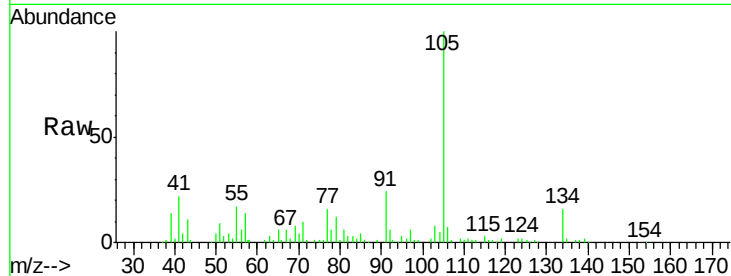




#85
 sec-Butylbenzene
 Concen: 8.934 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VD063769.D
 Acq: 23 Aug 2019 16:33

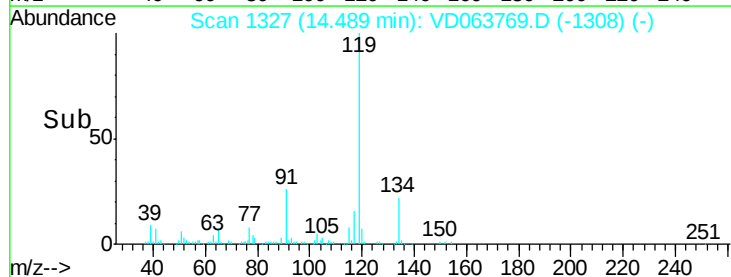
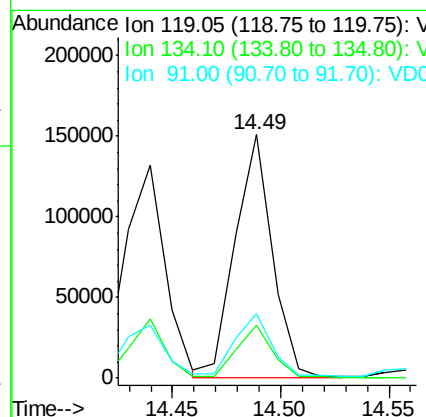
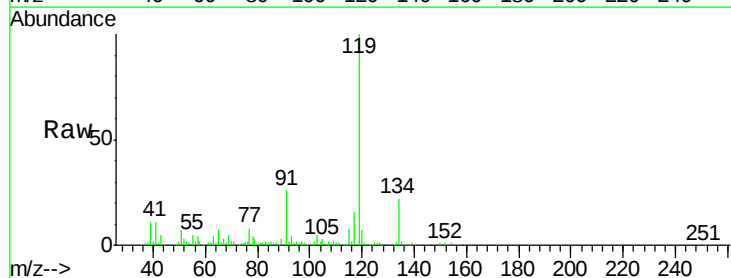
Instrument :
 MSVOA_D
 ClientSampleID :
 S-WALLRE

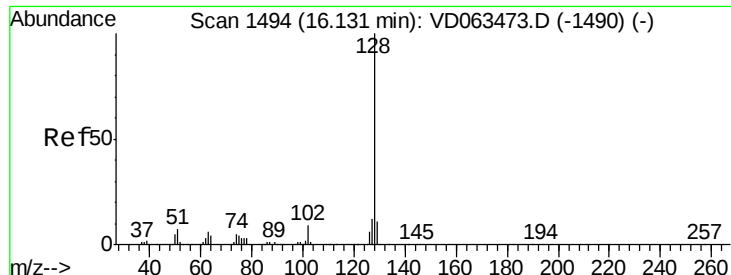
Tot Ion:105 Resp: 175477
 Ion Ratio Lower Upper
 105 100
 134 16.0 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 9.601 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063769.D
 Acq: 23 Aug 2019 16:33

Tgt Ion:119 Resp: 180318
 Ion Ratio Lower Upper
 119 100
 134 22.0 11.3 33.8
 91 26.2 13.5 40.4





#95

Naphthalene

Concen: 12.829 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD063769.D

Acq: 23 Aug 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

S-WALLRE

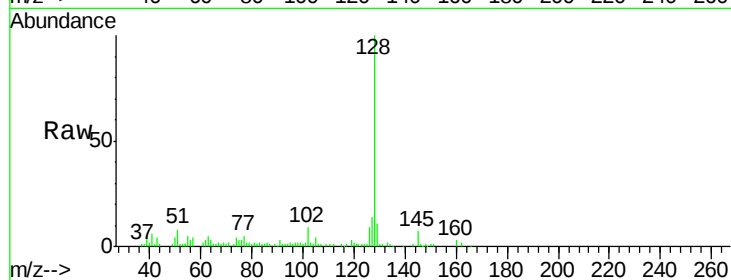
Tot Ion:128 Resp: 120627

Ion Ratio Lower Upper

128 100

127 13.7 9.4 14.0

129 10.5 8.5 12.7



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

