

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063513.D
 Acq On : 13 Aug 2019 4:40
 Operator : JC/SY
 Sample : K4223-24
 Misc : 3.77g/5ml/MSVOA D/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-12

Quant Time: Aug 13 09:30:07 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

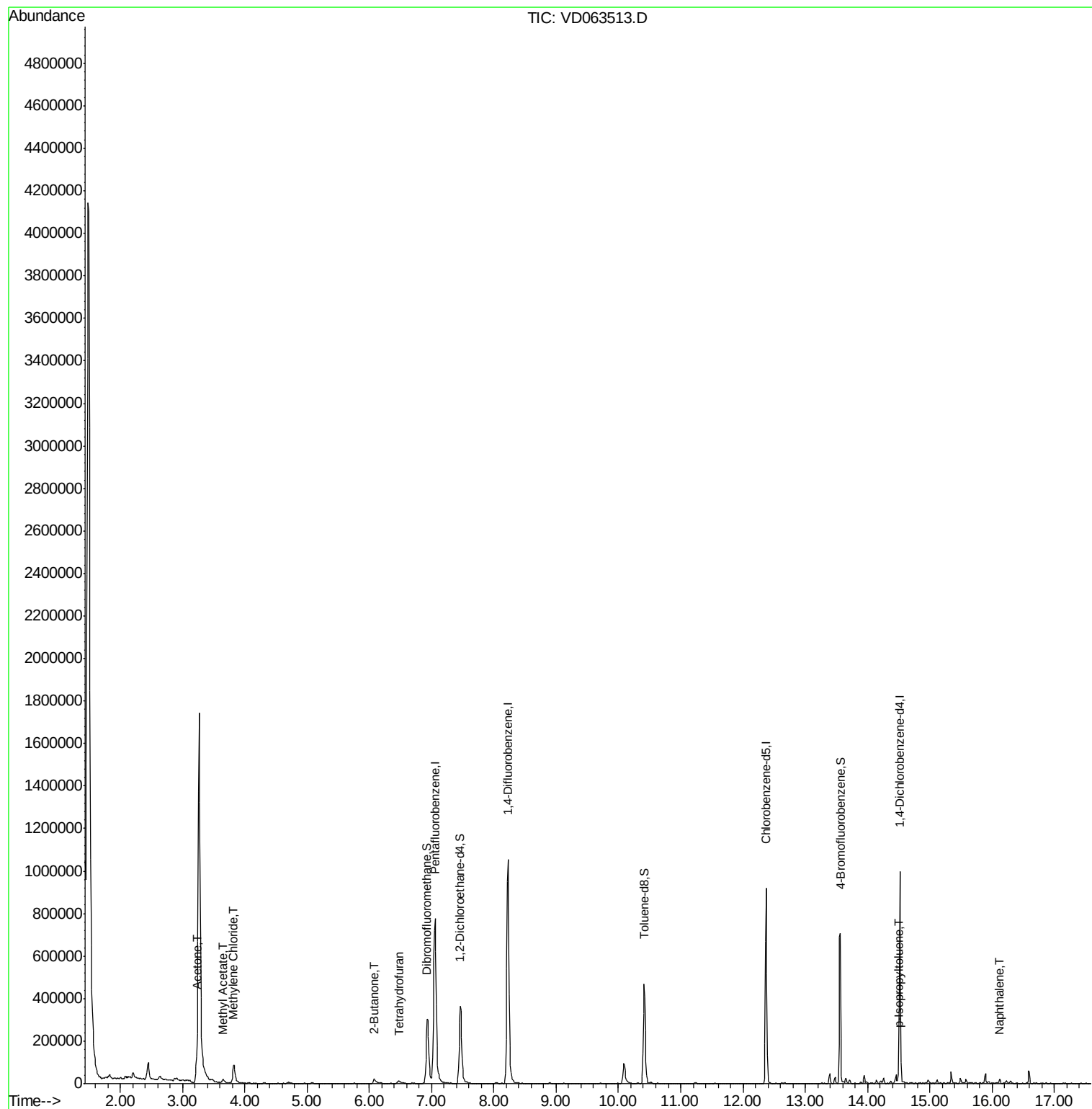
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	793887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1139989	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	496837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	206486	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	439376	51.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.56%	
35) Dibromofluoromethane	6.93	113	279239	29.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	58.16%	
50) Toluene-d8	10.41	98	383993	18.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	36.38%	
62) 4-Bromofluorobenzene	13.55	95	214680	22.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	44.88%	
Target Compounds						
					Qvalue	
16) Acetone	3.23	43	200463	116.207	ug/l #	92
18) Methyl Acetate	3.65	43	27842	8.521	ug/l	99
20) Methylene Chloride	3.82	84	60078	8.054	ug/l	91
25) 2-Butanone	6.08	43	46273	27.160	ug/l	99
29) Tetrahydrofuran	6.49	42	10518	13.249	ug/l	96
86) p-Isopropyltoluene	14.49	119	21657	1.765	ug/l	87
95) Naphthalene	16.12	128	9736	1.585	ug/l #	90

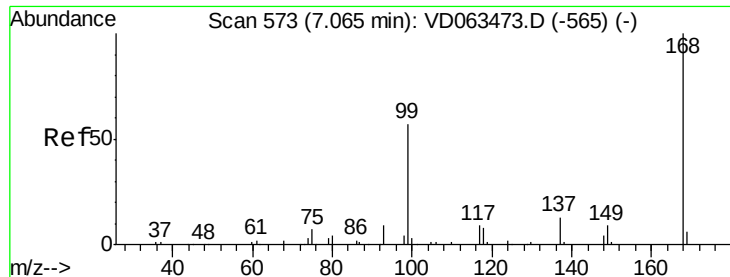
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081219\
Data File : VD063513.D
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Quant Time: Aug 13 09:30:07 2019
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: 7.06 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD063513.D

Acq: 13 Aug 2019 4:40

Instrument :

MSVOA_D

ClientSampleId :

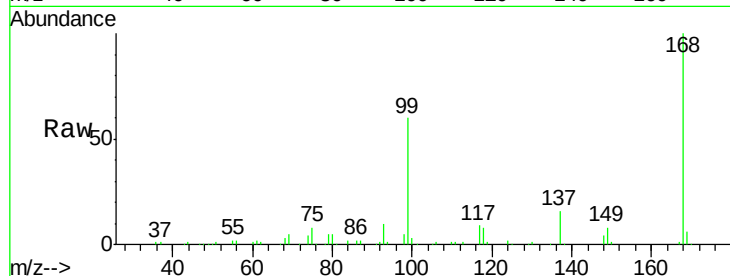
SP-12

Tot Ion:168 Resp: 793887

Ion Ratio Lower Upper

168 100

99 60.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

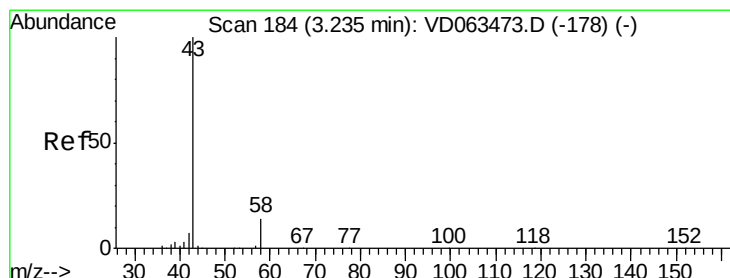
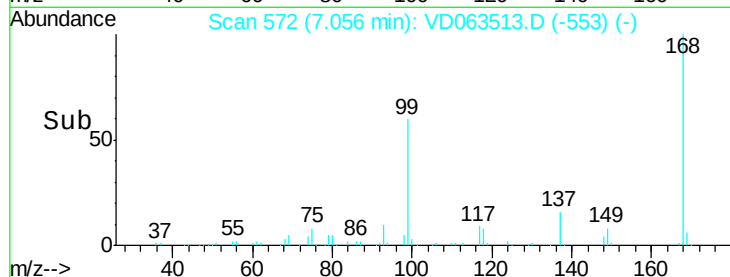
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#16

Acetone

Concen: 116.207 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063513.D

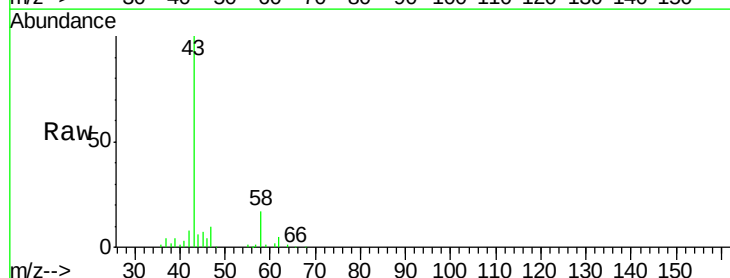
Acq: 13 Aug 2019 4:40

Tgt Ion: 43 Resp: 200463

Ion Ratio Lower Upper

43 100

58 17.4 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

80000

60000

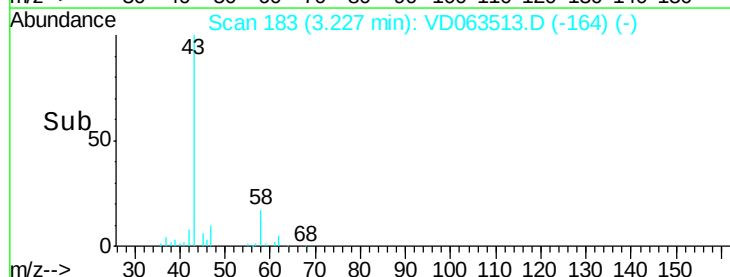
40000

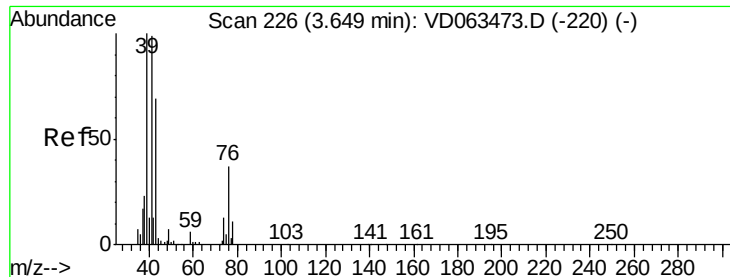
20000

0

3.10 3.20 3.30

Time-->

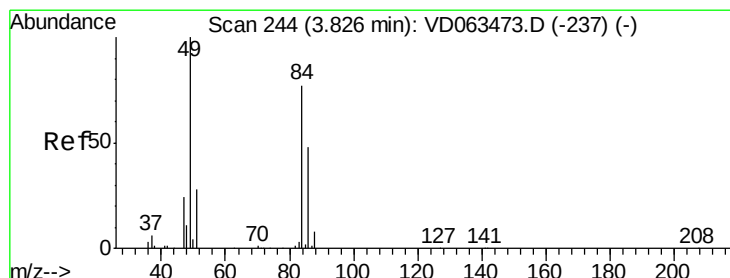
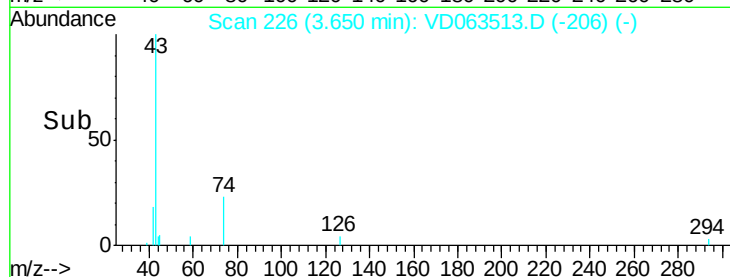
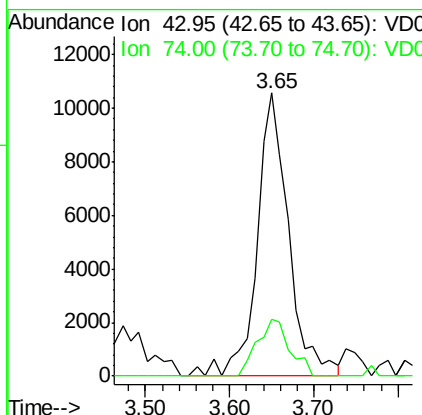
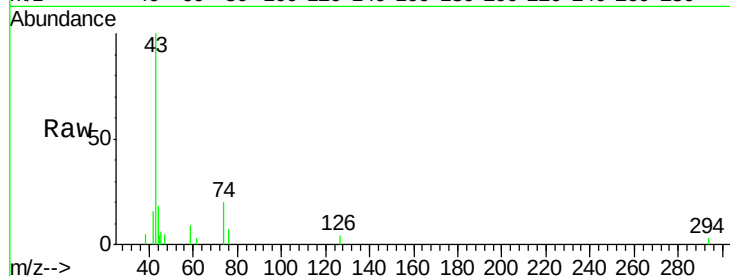




#18
Methvl Acetate
Concen: 8.521 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD063513.D
Acq: 13 Aug 2019 4:40

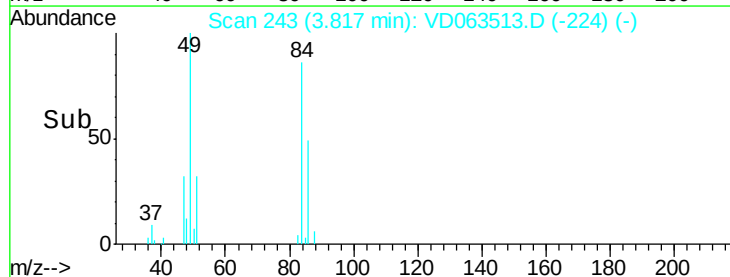
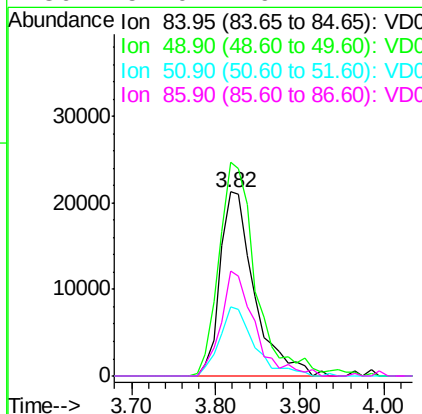
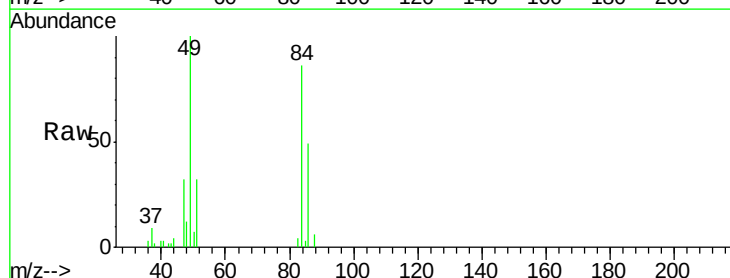
Instrument :
MSVOA_D
ClientSampleId :
SP-12

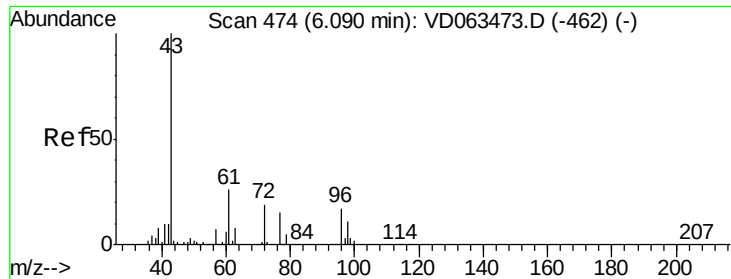
Tot Ion: 43 Resp: 27842
Ion Ratio Lower Upper
43 100
74 19.9 15.4 23.2



#20
Methylene Chloride
Concen: 8.054 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD063513.D
Acq: 13 Aug 2019 4:40

Tgt Ion: 84 Resp: 60078
Ion Ratio Lower Upper
84 100
49 116.1 103.4 155.2
51 37.4 28.5 42.7
86 57.0 49.4 74.2





#25

2-Butanone

Concen: 27.160 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063513.D

Acq: 13 Aug 2019 4:40

Instrument :

MSVOA_D

ClientSampleId :

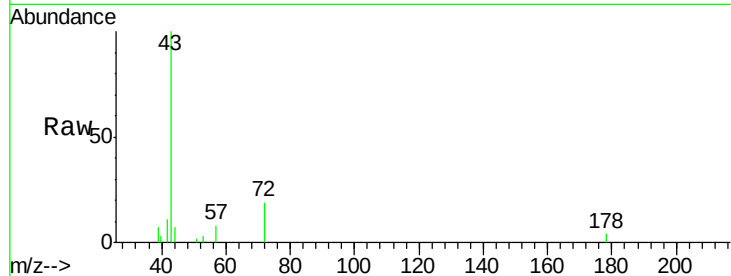
SP-12

Tot Ion: 43 Resp: 46273

Ion Ratio Lower Upper

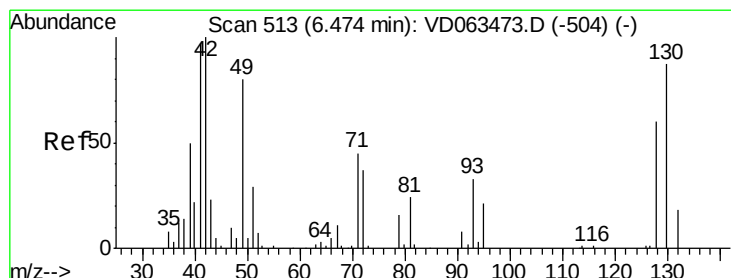
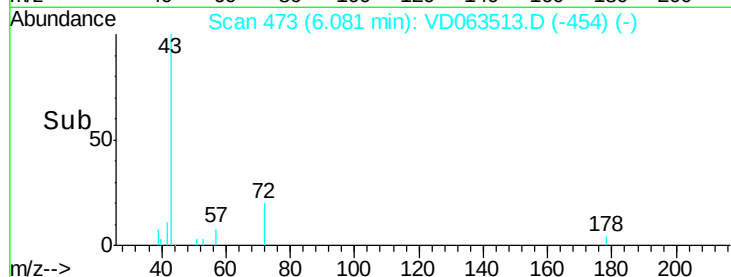
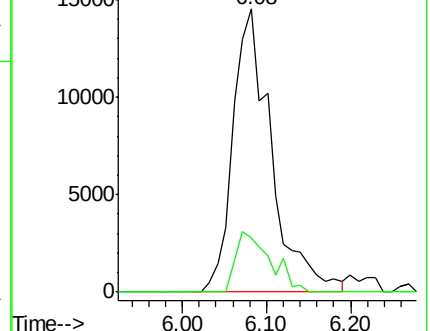
43 100

72 19.2 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 13.249 ug/l

RT: 6.49 min Scan# 514

Delta R.T. 0.01 min

Lab File: VD063513.D

Acq: 13 Aug 2019 4:40

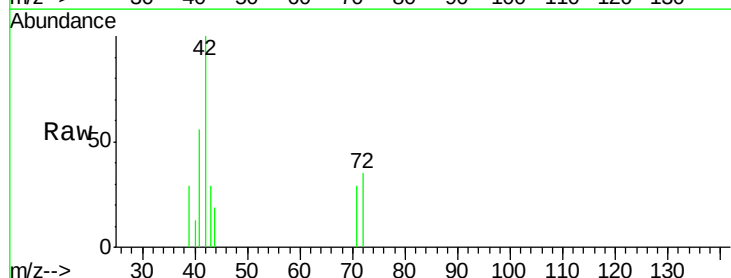
Tgt Ion: 42 Resp: 10518

Ion Ratio Lower Upper

42 100

72 38.3 31.5 47.3

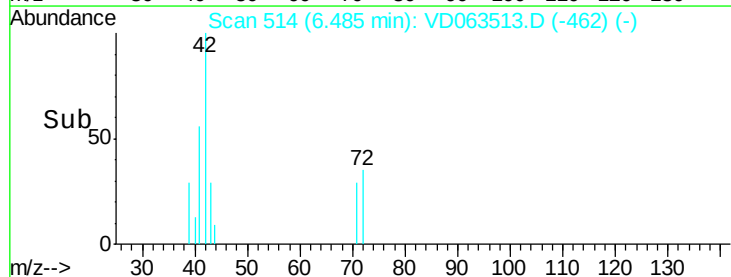
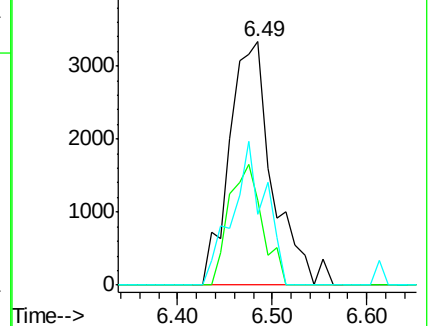
71 45.9 33.8 50.8

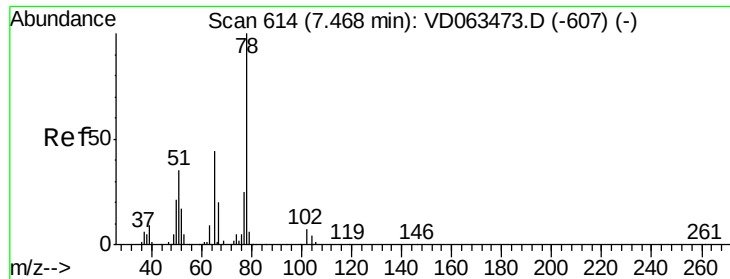


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

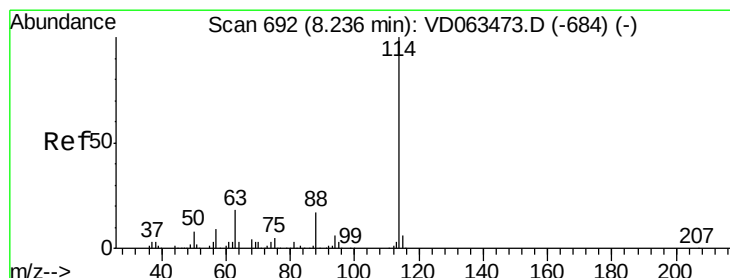
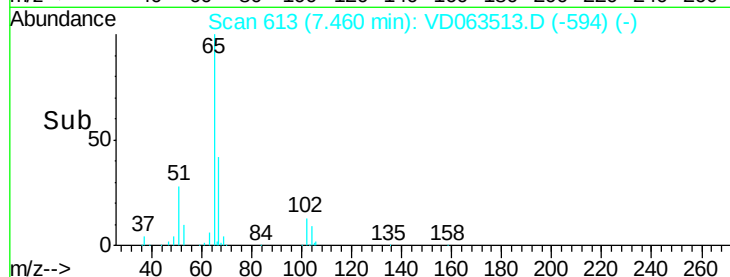
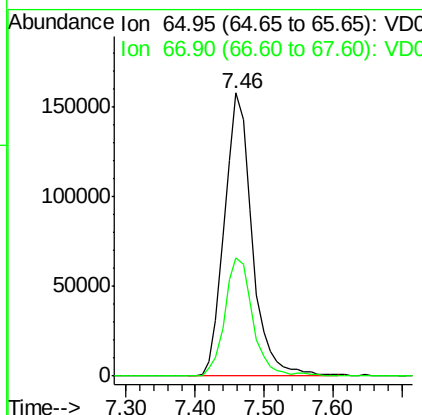
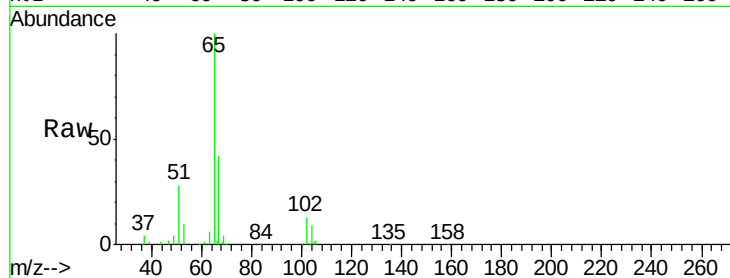




#33
 1,2-Dichloroethane-d4
 Concen: 51.776 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: VD063513.D
 Acq: 13 Aug 2019 4:40

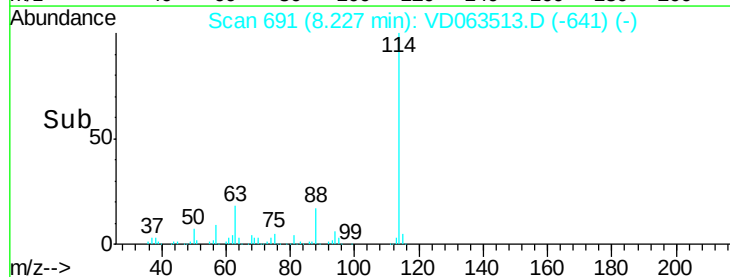
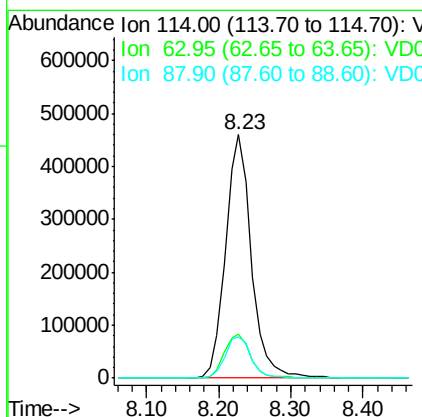
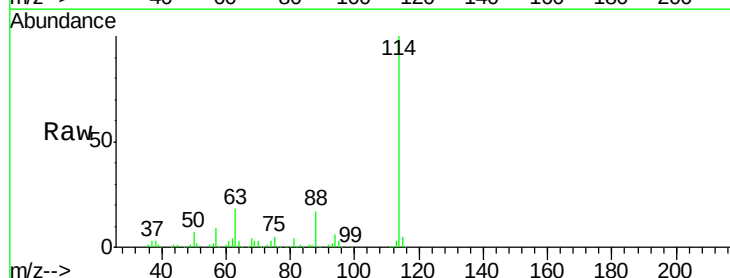
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-12

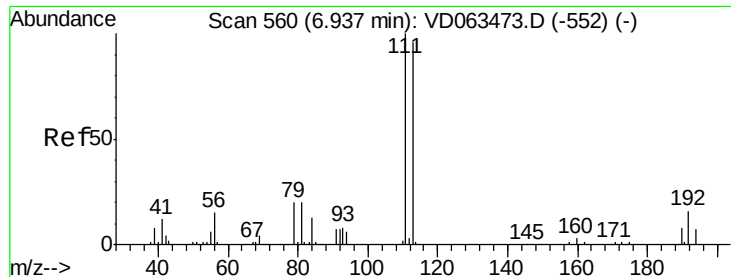
Tot Ion: 65 Resp: 439376
 Ion Ratio Lower Upper
 65 100
 67 41.6 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: VD063513.D
 Acq: 13 Aug 2019 4:40

Tgt Ion: 114 Resp: 1139989
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.2
 88 17.2 0.0 35.0





#35

Dibromofluoromethane

Concen: 29.084 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063513.D

Acq: 13 Aug 2019 4:40

Instrument :

MSVOA_D

ClientSampled :

SP-12

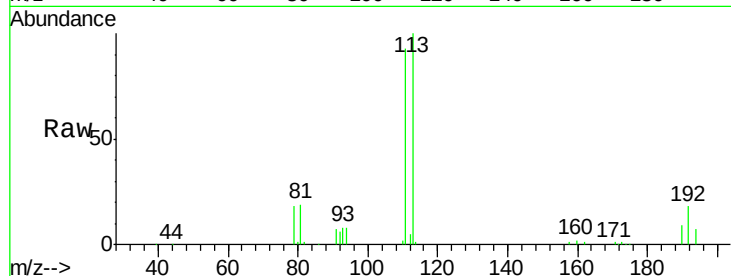
Tot Ion:113 Resp: 279239

Ion Ratio Lower Upper

113 100

111 93.0 83.1 124.7

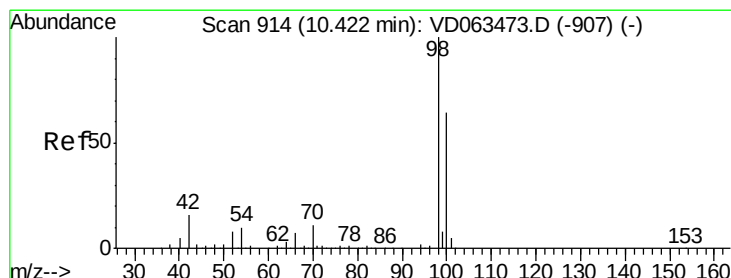
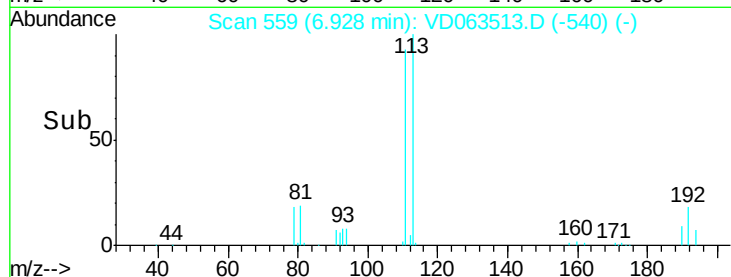
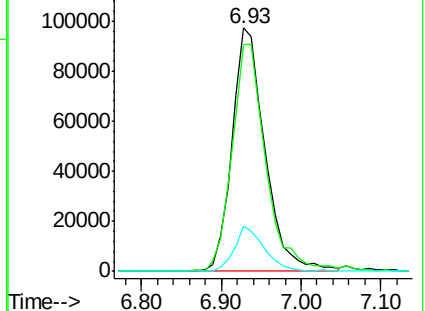
192 18.4 13.1 19.7



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



#50

Toluene-d8

Concen: 18.191 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD063513.D

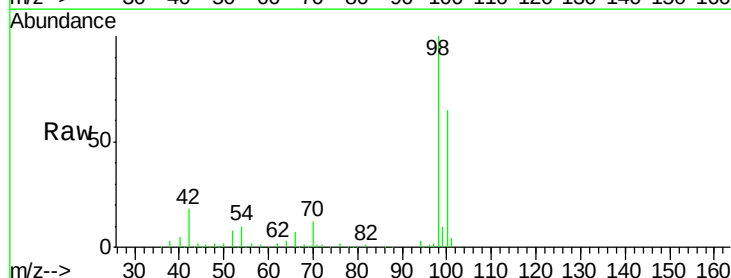
Acq: 13 Aug 2019 4:40

Tgt Ion: 98 Resp: 383993

Ion Ratio Lower Upper

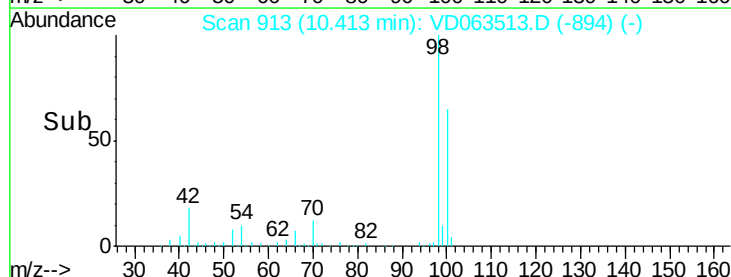
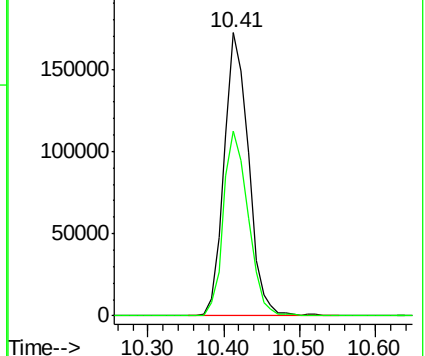
98 100

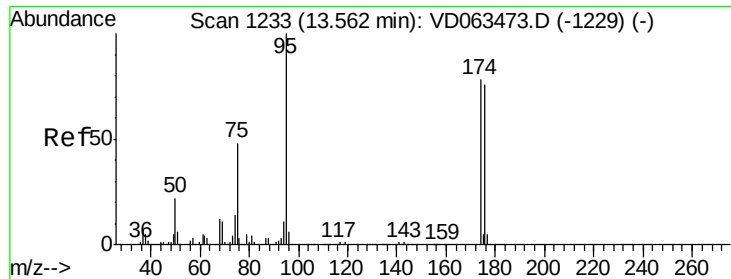
100 65.4 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 22.439 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063513.D

Acq: 13 Aug 2019 4:40

Instrument :

MSVOA_D

ClientSampleId :

SP-12

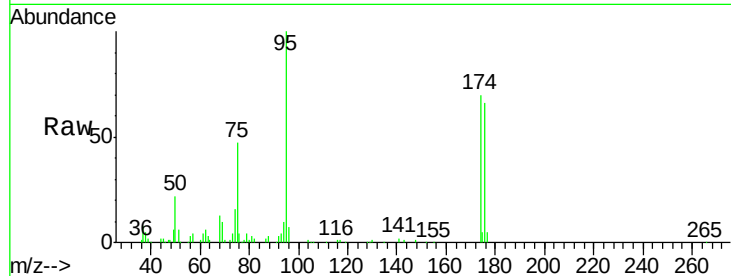
Tot Ion: 95 Resp: 214680

Ion Ratio Lower Upper

95 100

174 70.0 0.0 155.4

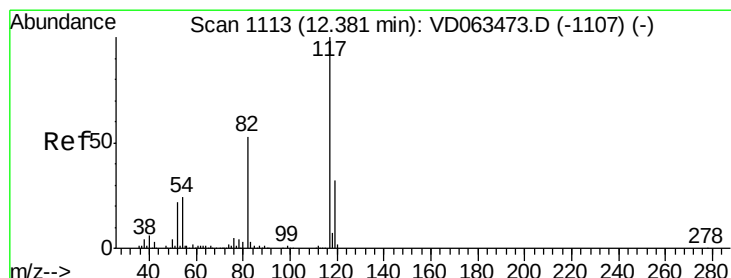
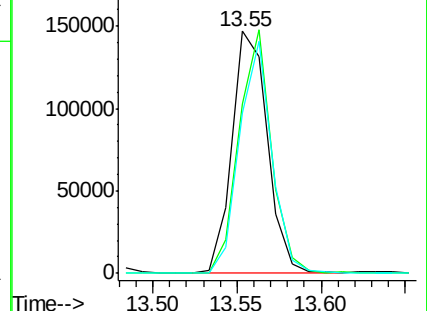
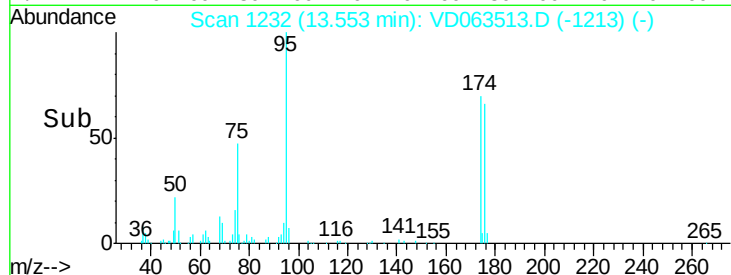
176 66.4 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): VD063513.D (-1213) (-)

Ion 173.90 (173.60 to 174.60): VD063513.D (-1213) (-)

Ion 175.90 (175.60 to 176.60): VD063513.D (-1213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VD063513.D

Acq: 13 Aug 2019 4:40

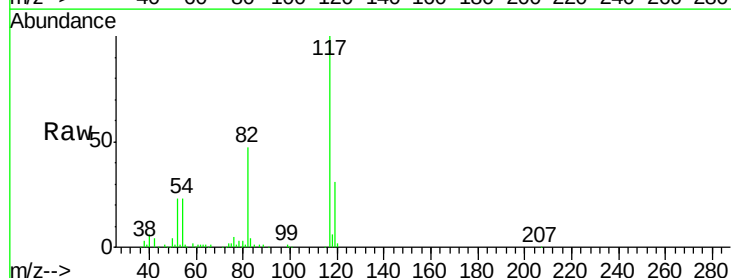
Tgt Ion: 117 Resp: 496837

Ion Ratio Lower Upper

117 100

82 46.9 42.0 63.0

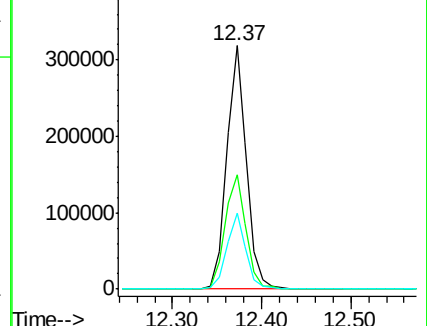
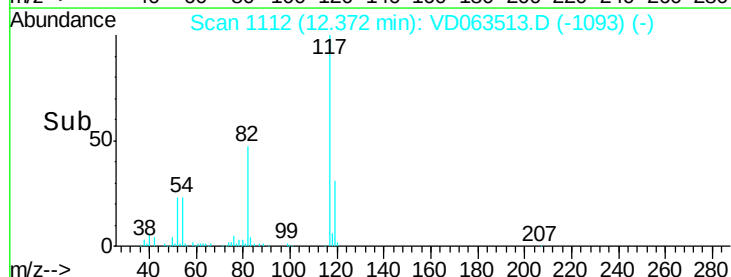
119 31.1 25.4 38.0

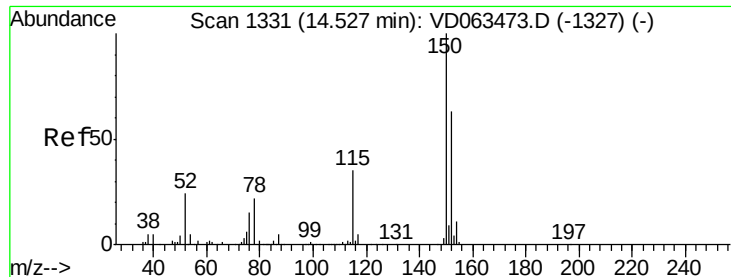


Abundance Ion 116.95 (116.65 to 117.65): VD063513.D (-1093) (-)

Ion 82.05 (81.75 to 82.75): VD063513.D (-1093) (-)

Ion 118.95 (118.65 to 119.65): VD063513.D (-1093) (-)



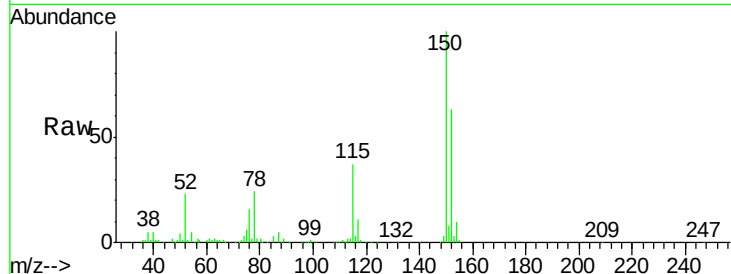


#72

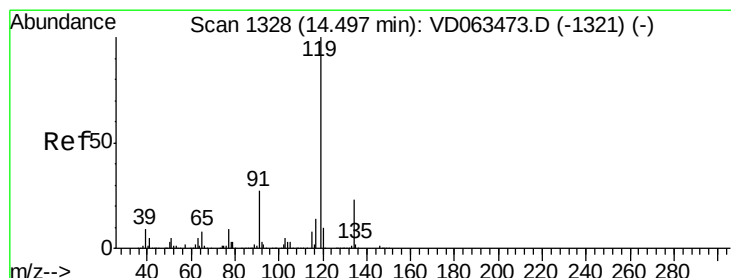
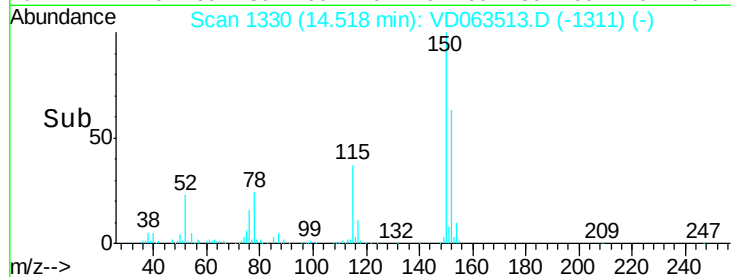
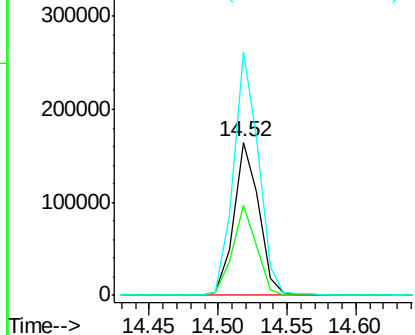
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063513.D
Acq: 13 Aug 2019 4:40

Instrument :
MSVOA_D
ClientSampleId :
SP-12

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.9	92.7
150	159.0	0.0	318.6



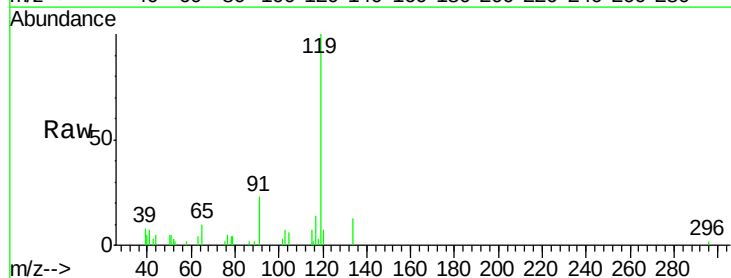
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



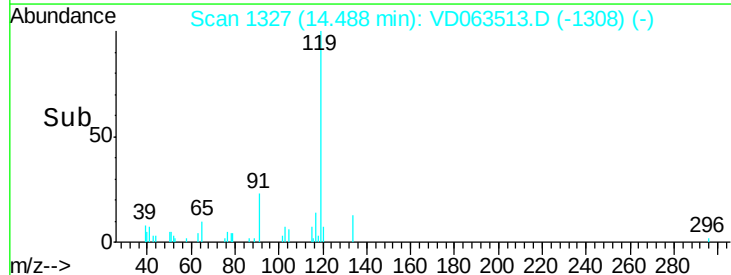
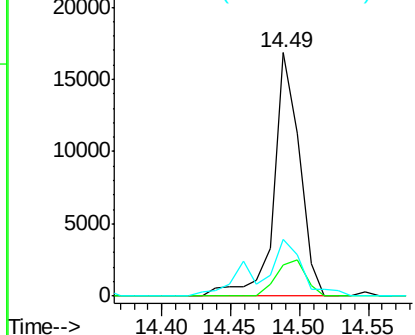
#86

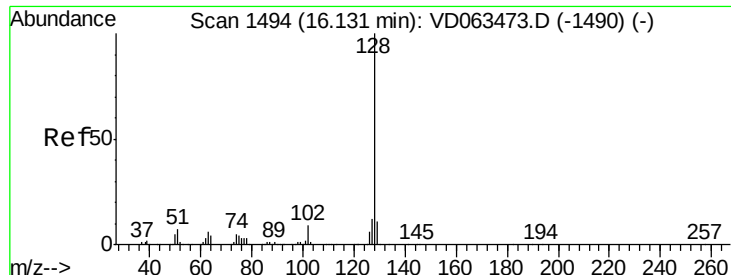
p-Isopropyltoluene
Concen: 1.765 ug/l
RT: 14.49 min Scan# 1327
Delta R.T. -0.01 min
Lab File: VD063513.D
Acq: 13 Aug 2019 4:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	13.0	11.3	33.8
91	23.4	13.5	40.4



Abundance Ion 119.05 (118.75 to 119.75): V
Ion 134.10 (133.80 to 134.80): V
Ion 91.00 (90.70 to 91.70): V





#95

Naphthalene

Concen: 1.585 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD063513.D

Acq: 13 Aug 2019 4:40

Instrument :

MSVOA_D

ClientSampleId :

SP-12

Tot Ion:128 Resp: 9736

Ion Ratio Lower Upper

128 100

127 14.5 9.4 14.0#

129 6.0 8.5 12.7#

