

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112118\
 Data File : VD060445.D
 Acq On : 21 Nov 2018 16:29
 Operator : JC/SY
 Sample : J5768-05
 Misc : 8.23g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-03-112018

Quant Time: Nov 22 03:34:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

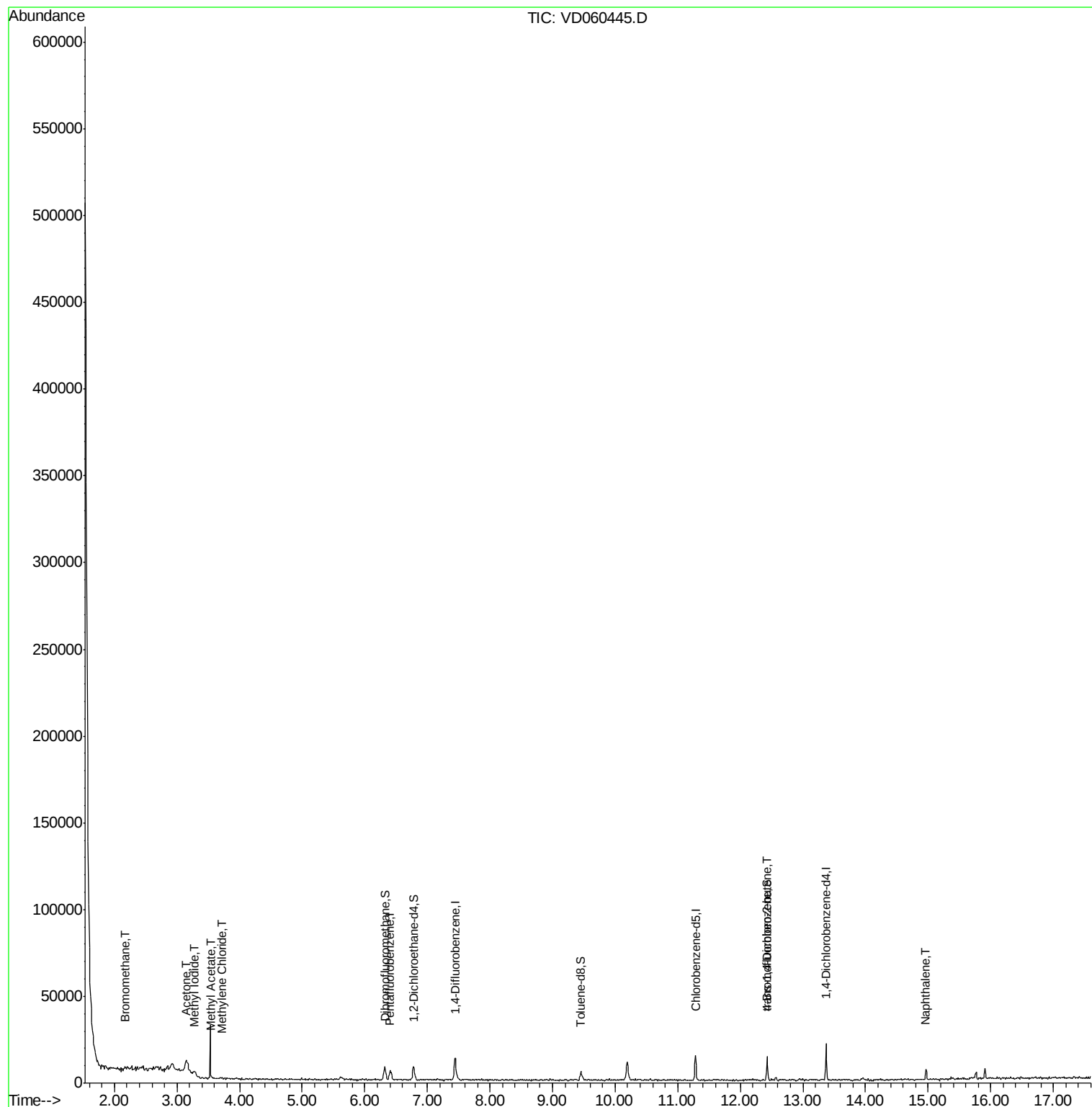
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	8350	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.45	114	16567	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	9124	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	5048	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.78	65	7695	128.71	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	257.42%	
35) Dibromofluoromethane	6.32	113	6843	55.39	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	110.78%	
50) Toluene-d8	9.45	98	4657	12.88	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	25.76%	
62) 4-Bromofluorobenzene	12.43	95	4830	36.87	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	73.74%	
Target Compounds						
5) Bromomethane	2.18	94	503	32.82	ug/l #	2
10) Methyl Iodide	3.27	142	182	2.80	ug/l #	35
16) Acetone	3.16	43	14240	1373.09	ug/l	97
18) Methyl Acetate	3.55	43	193	8.73	ug/l #	63
20) Methylene Chloride	3.72	84	185	2.01	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.43	75	1798	104.59	ug/l #	15
95) Naphthalene	14.96	128	4767	34.49	ug/l #	86

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

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Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060445.D

Acq: 21 Nov 2018 16:29

Instrument :

MSVOA_D

ClientSampleId :

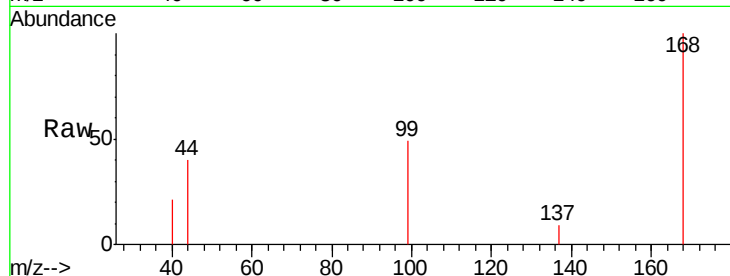
OK-03-112018

Tgt Ion:168 Resp: 8350

Ion Ratio Lower Upper

168 100

99 49.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

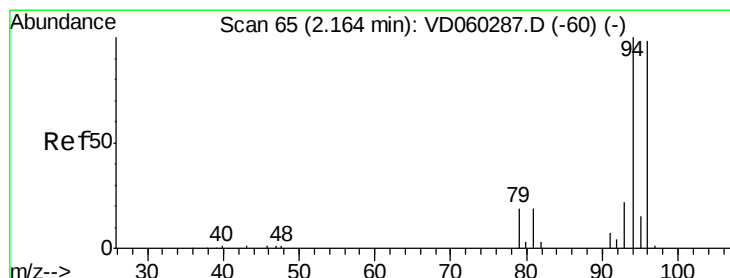
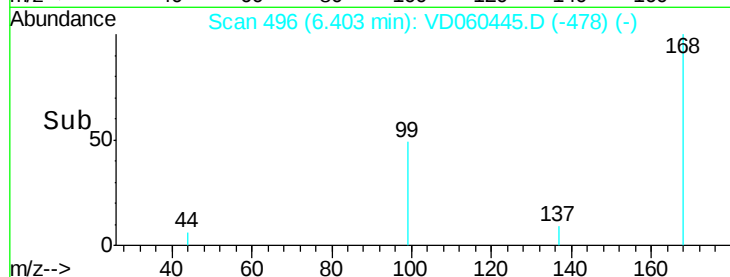
3000

2000

1000

0

Time--> 6.30 6.35 6.40 6.45 6.50



#5

Bromomethane

Concen: 32.82 ug/l

RT: 2.18 min Scan# 67

Delta R.T. 0.02 min

Lab File: VD060445.D

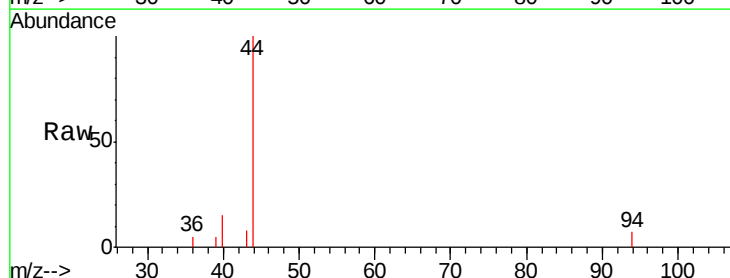
Acq: 21 Nov 2018 16:29

Tgt Ion: 94 Resp: 503

Ion Ratio Lower Upper

94 100

96 0.0 76.6 114.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.18

500

400

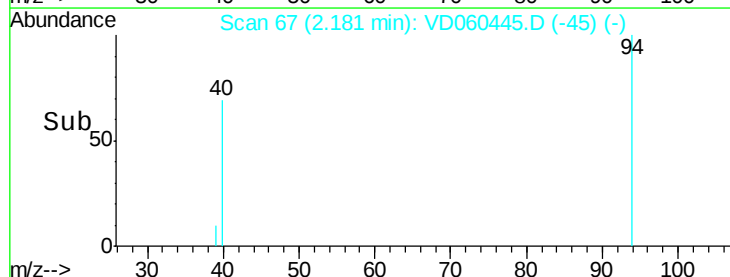
300

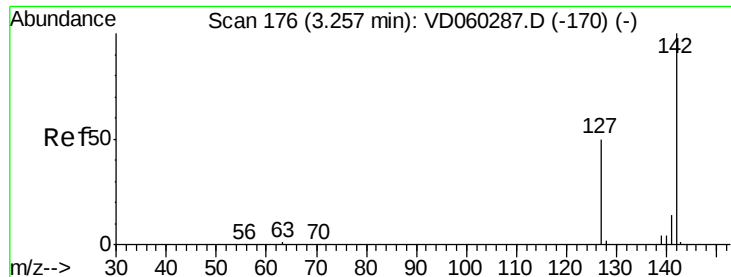
200

100

0

Time--> 2.14 2.16 2.18 2.20

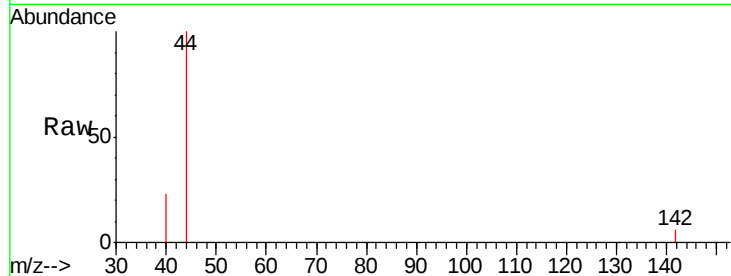




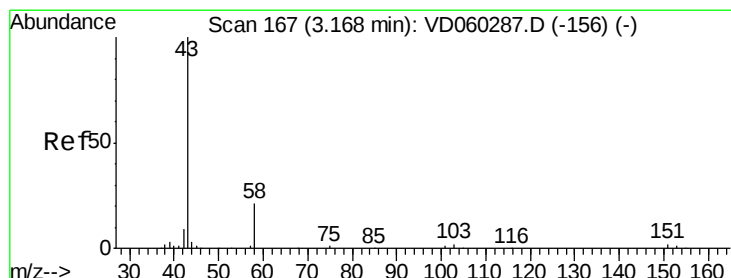
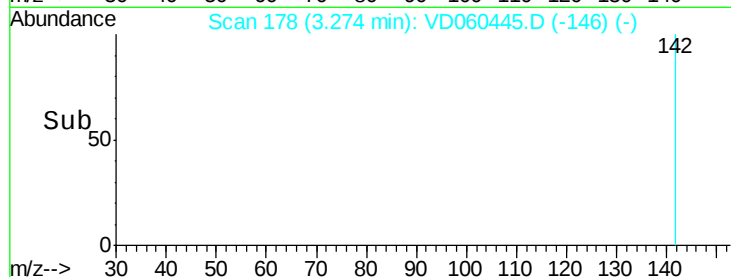
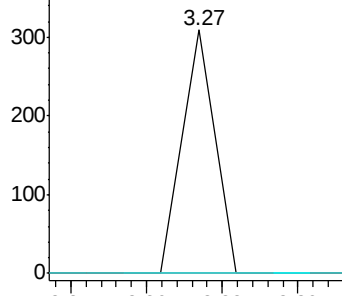
#10
Methyl Iodide
Concen: 2.80 ug/l
RT: 3.27 min Scan# 178
Delta R.T. 0.02 min
Lab File: VD060445.D
Acq: 21 Nov 2018 16:29

Instrument :
MSVOA_D
ClientSampleId :
OK-03-112018

Tgt Ion: 142 Resp: 182
Ion Ratio Lower Upper
142 100
127 0.0 41.0 61.6#
141 0.0 11.9 17.9#

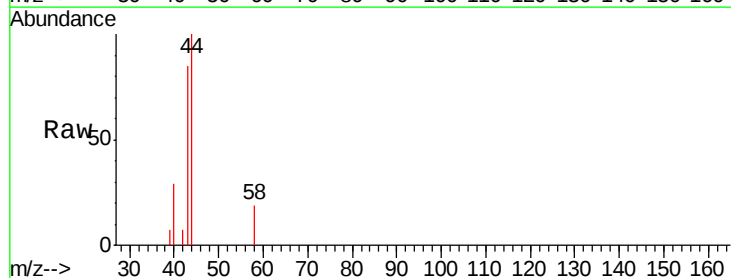


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

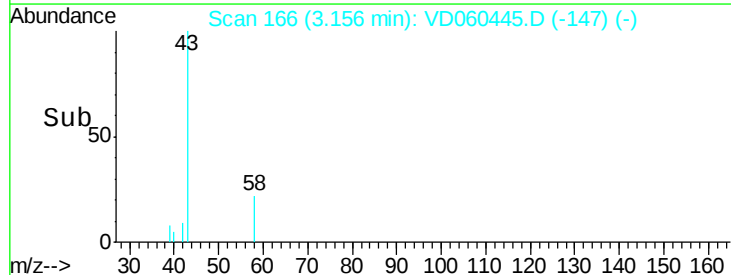
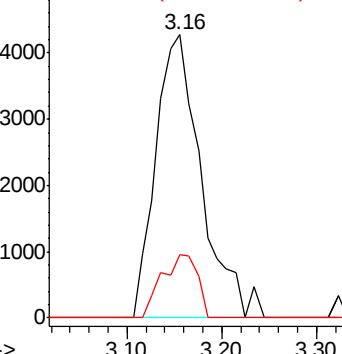


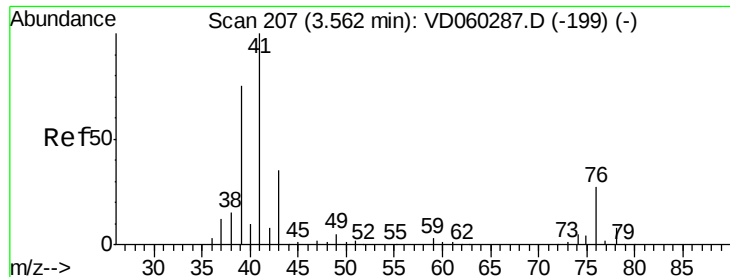
#16
Acetone
Concen: 1373.09 ug/l
RT: 3.16 min Scan# 166
Delta R.T. -0.01 min
Lab File: VD060445.D
Acq: 21 Nov 2018 16:29

Tgt Ion: 43 Resp: 14240
Ion Ratio Lower Upper
43 100
58 22.4 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): V
Ion 57.95 (57.65 to 58.65): V

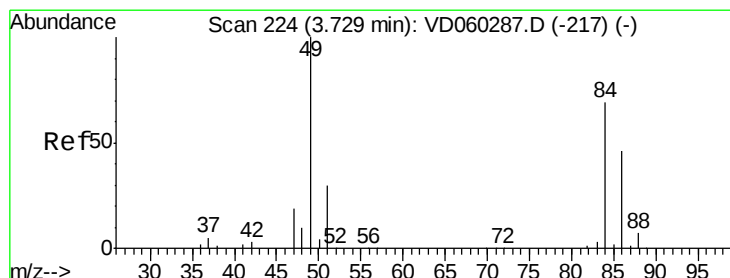
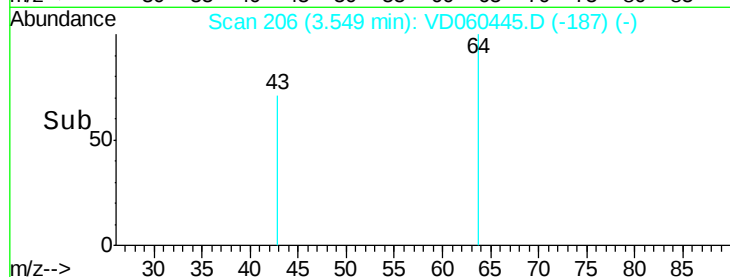
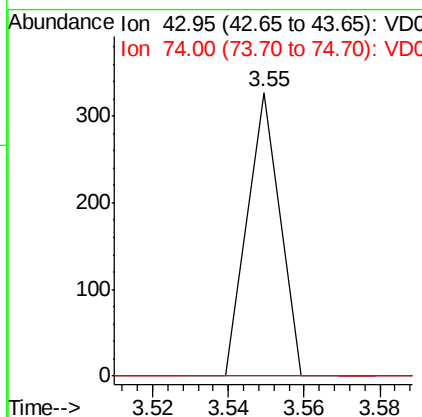
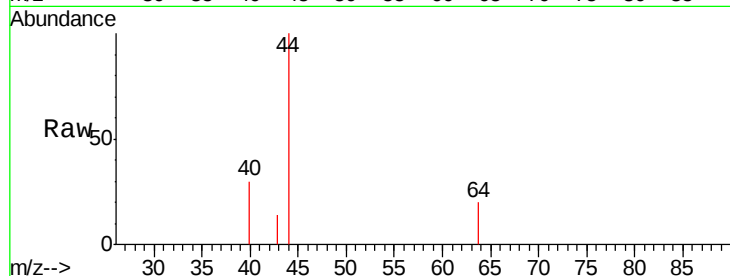




#18
Methyl Acetate
Concen: 8.73 ug/l
RT: 3.55 min Scan# 206
Delta R.T. -0.01 min
Lab File: VD060445.D
Acq: 21 Nov 2018 16:29

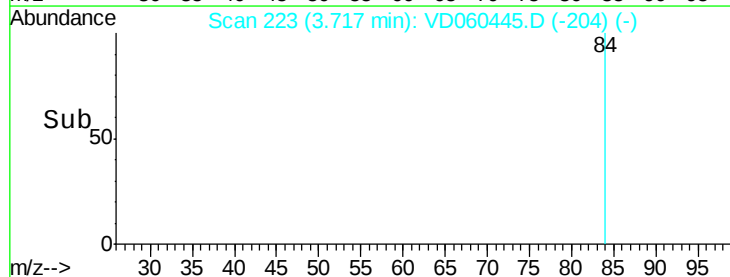
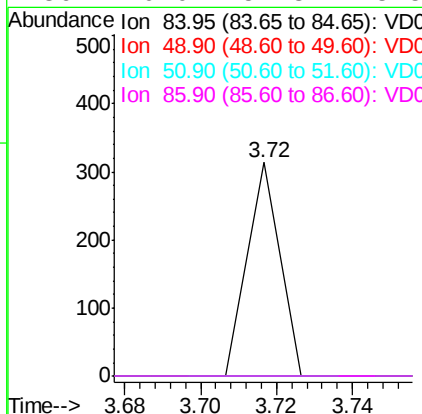
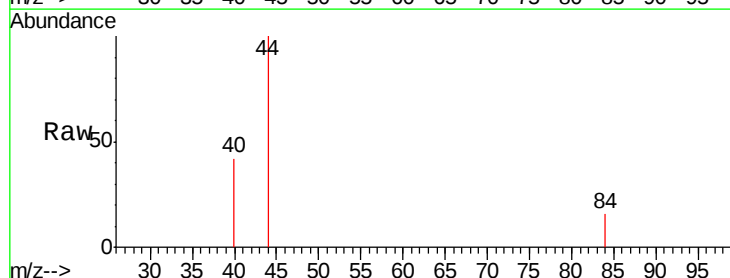
Instrument :
MSVOA_D
ClientSampleId :
OK-03-112018

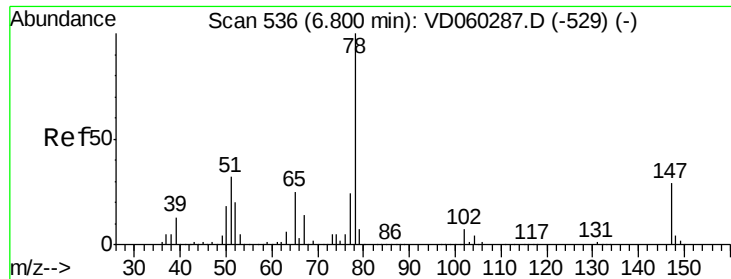
Tgt Ion: 43 Resp: 193
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 2.01 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060445.D
Acq: 21 Nov 2018 16:29

Tgt Ion: 84 Resp: 185
Ion Ratio Lower Upper
84 100
49 0.0 115.6 173.4#
51 0.0 35.6 53.4#
86 0.0 52.3 78.5#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD060445.D

Acq: 21 Nov 2018 16:29

Instrument :

MSVOA_D

ClientSampleId :

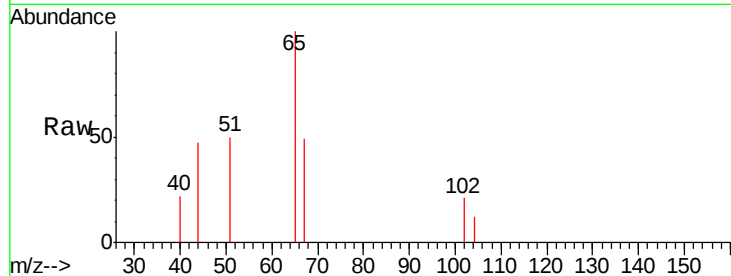
OK-03-112018

Tgt Ion: 65 Resp: 7695

Ion Ratio Lower Upper

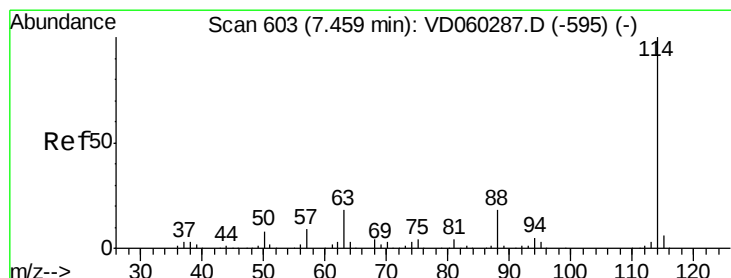
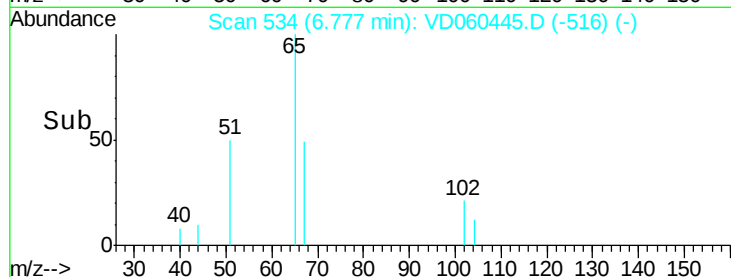
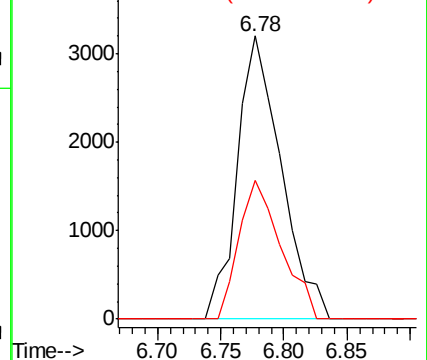
65 100

67 49.0 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060445.D

Acq: 21 Nov 2018 16:29

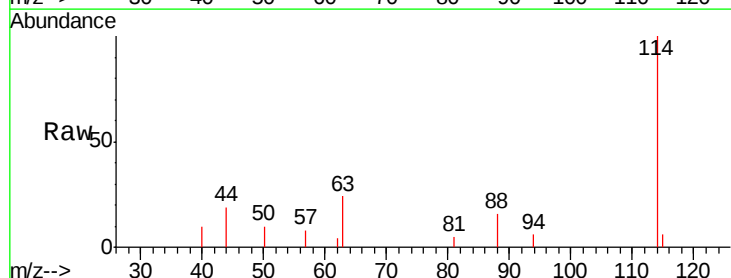
Tgt Ion: 114 Resp: 16567

Ion Ratio Lower Upper

114 100

63 23.9 0.0 34.0

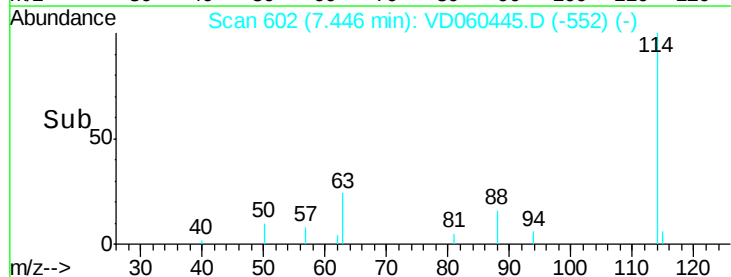
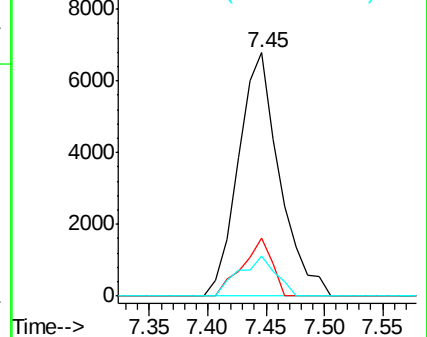
88 16.3 0.0 35.4

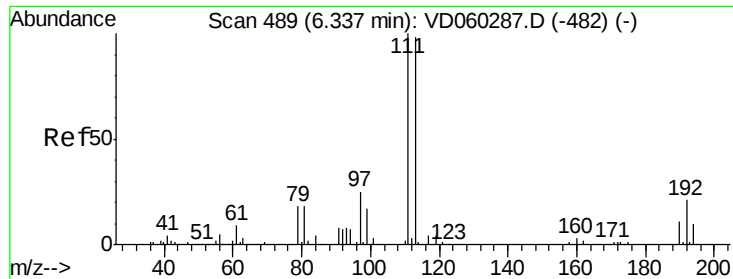


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.32 min Scan# 488

Delta R.T. -0.01 min

Lab File: VD060445.D

Acq: 21 Nov 2018 16:29

Instrument :

MSVOA_D

ClientSampleId :

OK-03-112018

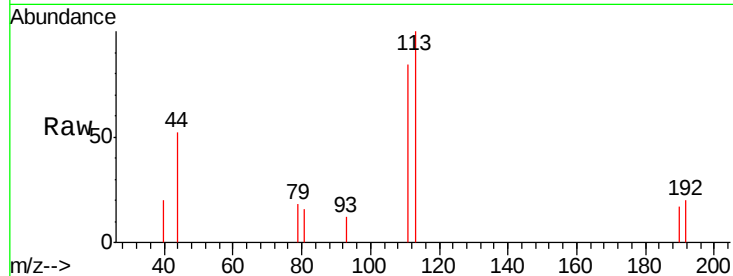
Tgt Ion:113 Resp: 6843

Ion Ratio Lower Upper

113 100

111 84.2 81.6 122.4

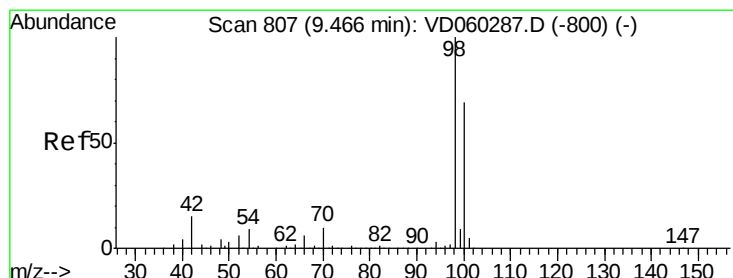
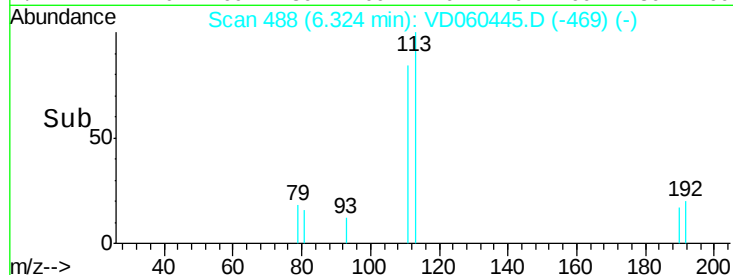
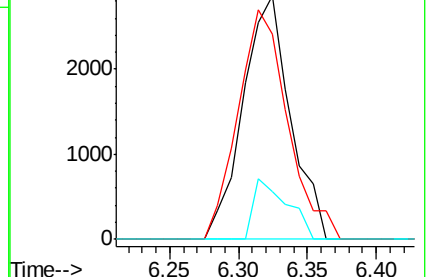
192 19.6 16.5 24.7



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: N.D. ug/l

RT: 9.45 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060445.D

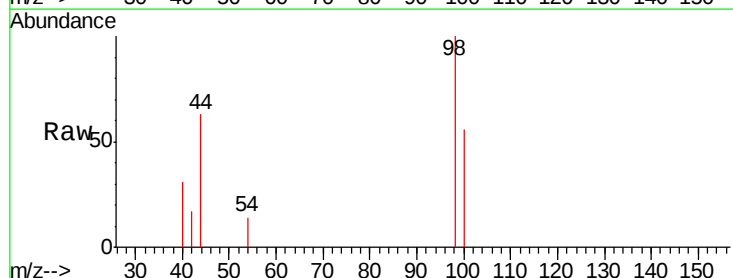
Acq: 21 Nov 2018 16:29

Tgt Ion: 98 Resp: 4657

Ion Ratio Lower Upper

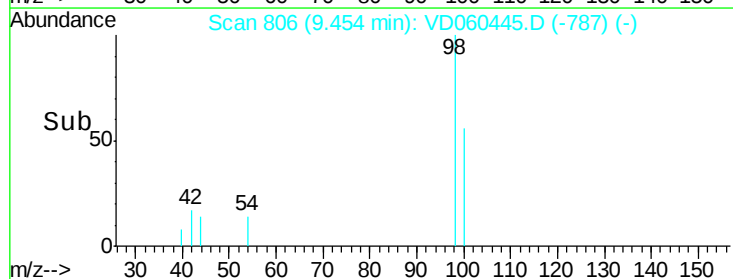
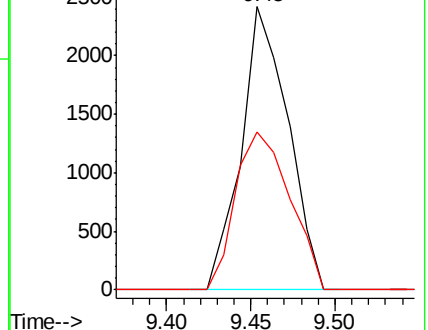
98 100

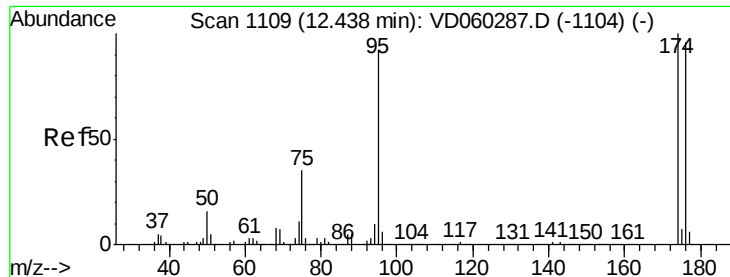
100 55.9 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

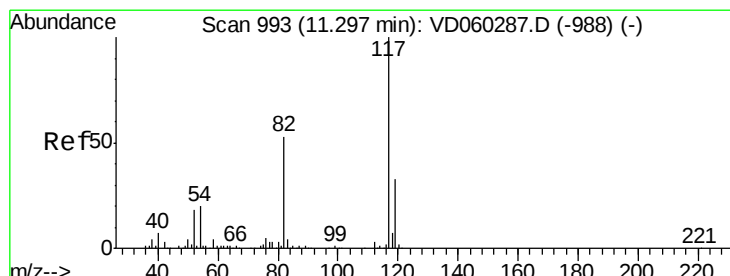
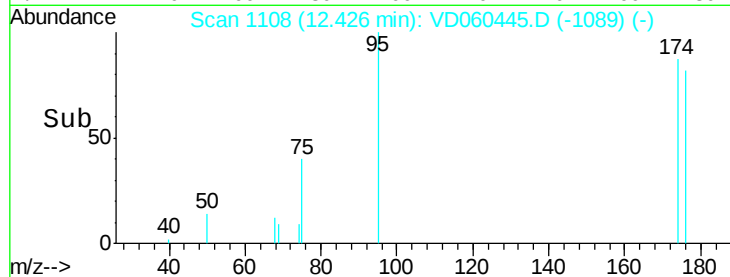
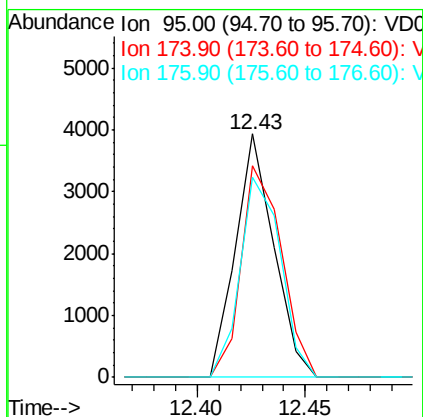
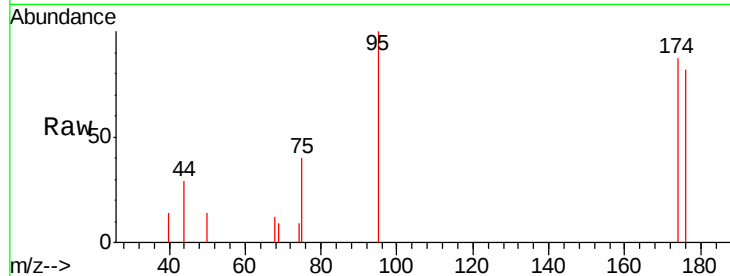




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060445.D
Acq: 21 Nov 2018 16:29

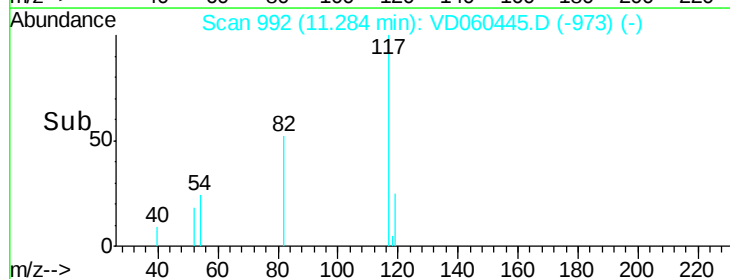
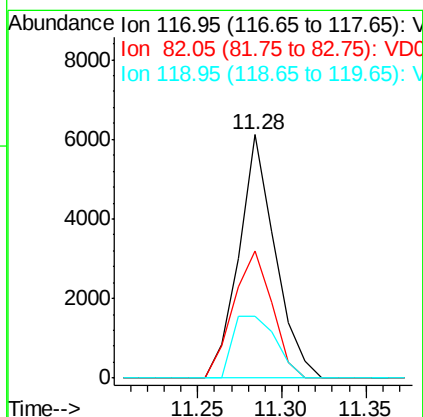
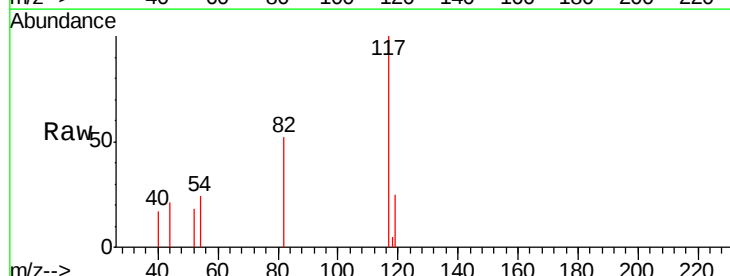
Instrument :
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OK-03-112018

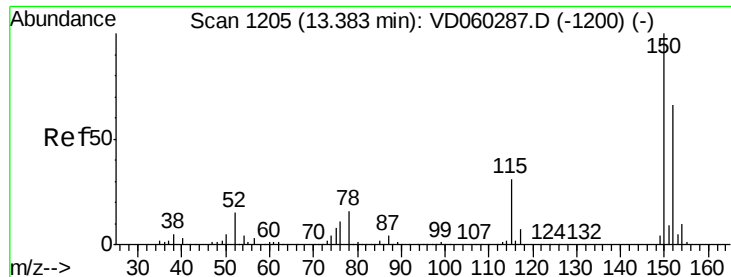
Tgt Ion: 95 Resp: 4830
Ion Ratio Lower Upper
95 100
174 87.1 0.0 160.8
176 81.9 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060445.D
Acq: 21 Nov 2018 16:29

Tgt Ion: 117 Resp: 9124
Ion Ratio Lower Upper
117 100
82 52.1 43.7 65.5
119 25.3 26.1 39.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060445.D

Acq: 21 Nov 2018 16:29

Instrument :

MSVOA_D

ClientSampleId :

OK-03-112018

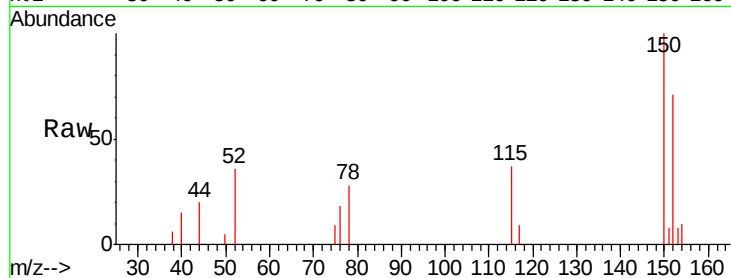
Tgt Ion:152 Resp: 5048

Ion Ratio Lower Upper

152 100

115 51.8 24.1 72.3

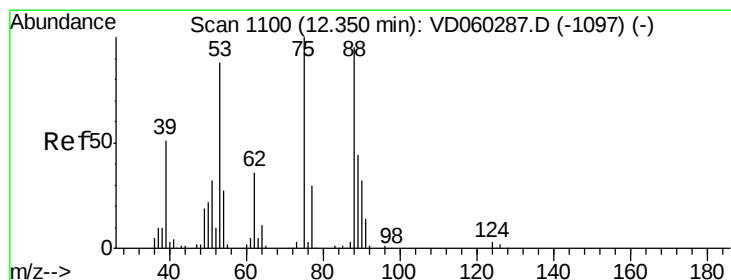
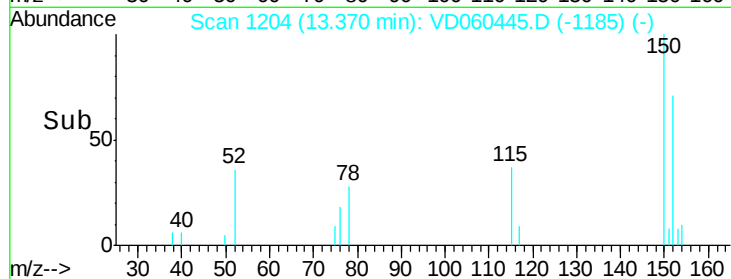
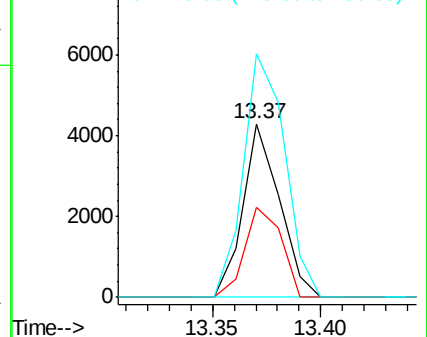
150 140.5 0.0 310.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 104.59 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060445.D

Acq: 21 Nov 2018 16:29

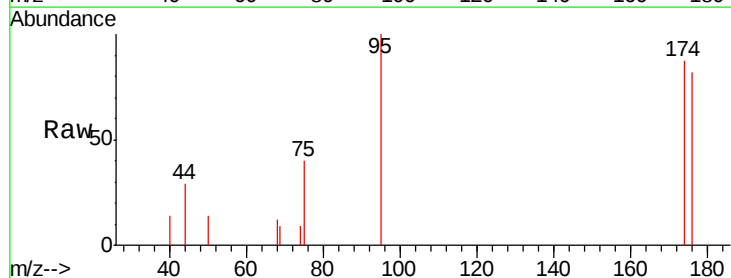
Tgt Ion: 75 Resp: 1798

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

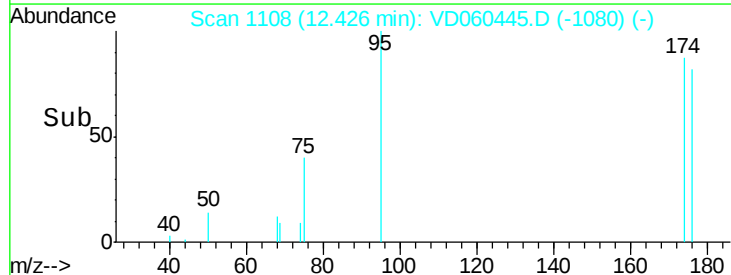
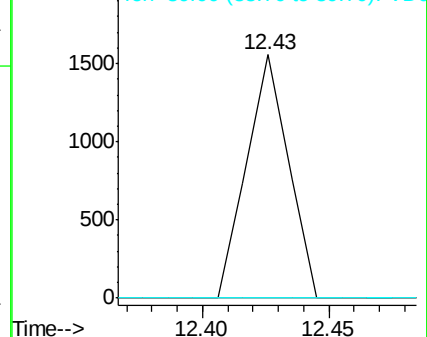
89 0.0 34.1 51.1#

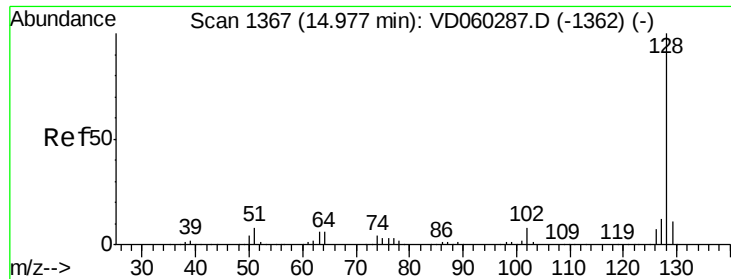


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V





#95

Naphthalene

Concen: 34.49 ug/l

RT: 14.96 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VD060445.D

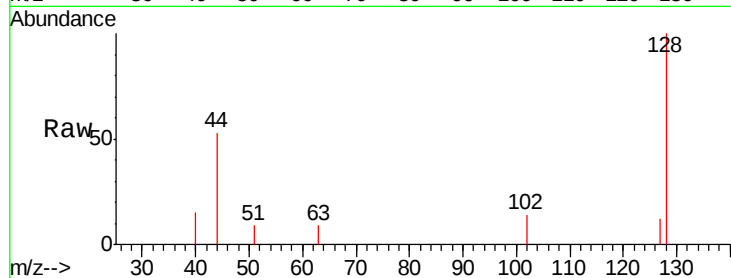
Acq: 21 Nov 2018 16:29

Instrument :

MSVOA_D

ClientSampleId :

OK-03-112018



Tgt Ion:128 Resp: 4767

Ion Ratio Lower Upper

128 100

127 12.3 9.6 14.4

129 0.0 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

