

Data File : VD059404.D
Acq On : 25 Jun 2018 17:40
Operator : VA/AP
Sample : J3663-12RE
Misc : 10.86g/5ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
WP021SB470-27-29-180618RE

Manual Integrations
APPROVED

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6/26/2018 5:26:04 PM

Quant Time: Jul 03 04:13:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	589456	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.69	114	784582	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	482061	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.93	152	182276m	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	64667	10.73	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	21.46%	
35) Dibromofluoromethane	5.54	113	61603	9.64	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	19.28%	
50) Toluene-d8	8.70	98	206253	13.81	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	27.62%	
62) 4-Bromofluorobenzene	11.93	95	1192221m	191.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	383.70%	

Target Compounds

						Qvalue
16) Acetone	2.59	43	64463	84.732	ug/l	93
17) Carbon Disulfide	2.74	76	59672	10.031	ug/l	100
20) Methylene Chloride	3.05	84	24704	9.698	ug/l	98
39) Methylcyclohexane	7.28	83	435102	64.456	ug/l #	73
52) Toluene	8.79	92	11656	1.143	ug/l #	72
65) Chlorobenzene	10.72	112	976280	110.757	ug/l	97
67) Ethyl Benzene	10.89	91	24981	1.680	ug/l #	56
69) o-Xylene	11.41	106	5434	1.114	ug/l #	1
73) Isopropylbenzene	11.80	105	1581818	153.781	ug/l	93
78) n-propylbenzene	12.18	91	2955162	226.840	ug/l	99
83) tert-Butylbenzene	12.60	119	1791378	205.658	ug/l	77
85) sec-Butylbenzene	12.80	105	3678433	344.148	ug/l #	74
88) 1,4-Dichlorobenzene	12.96	146	31668	6.025	ug/l #	1
89) n-Butylbenzene	13.22	91	1670187	196.401	ug/l	95

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

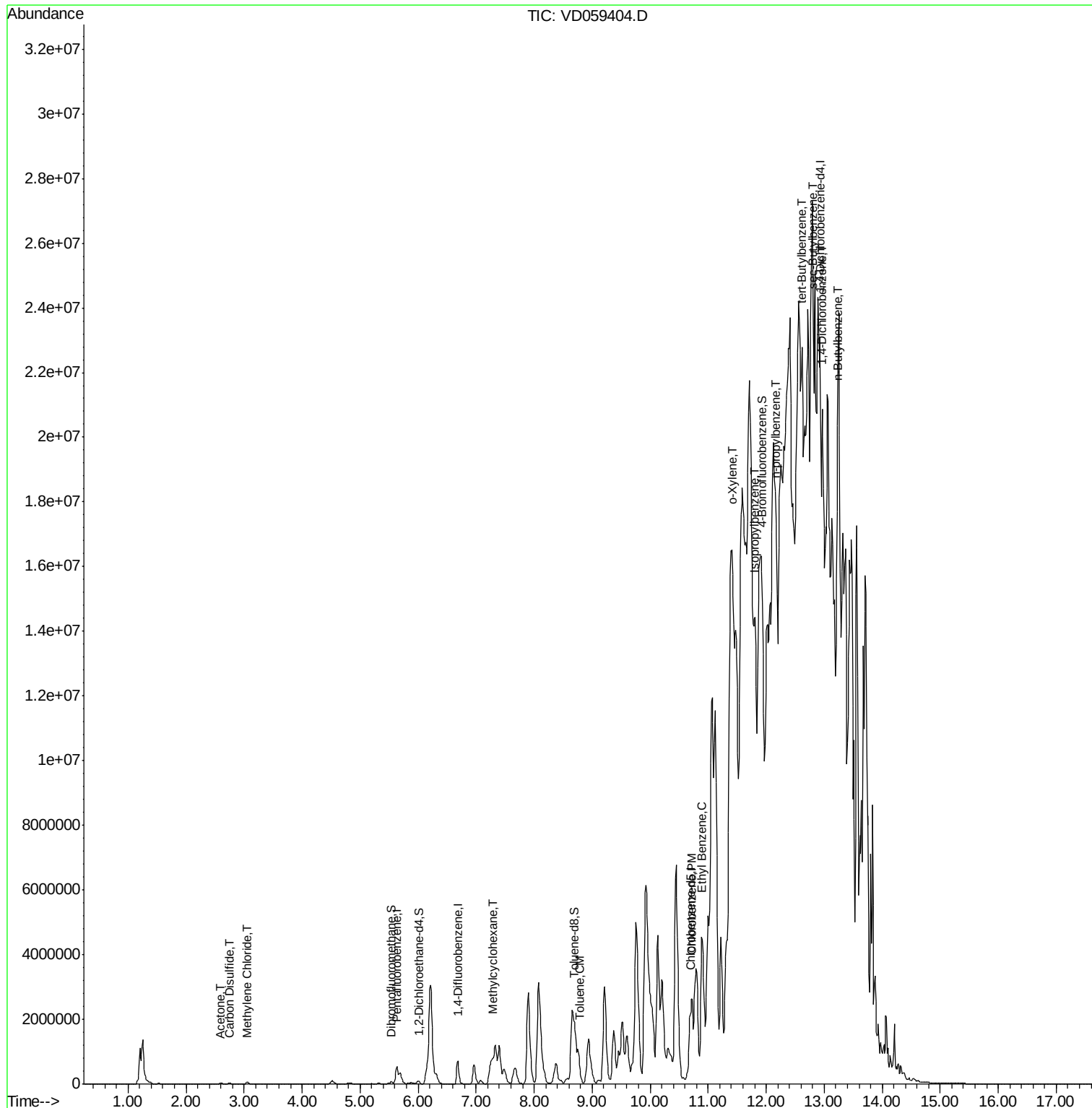
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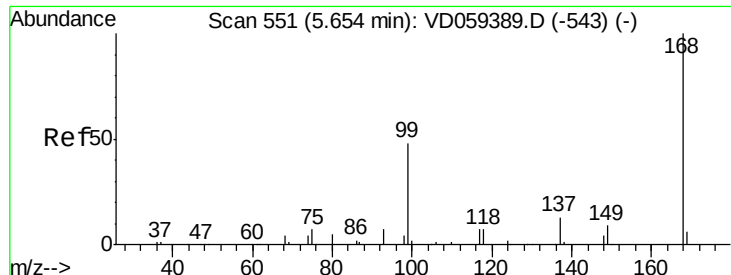
Instrument :
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Quant Time: Jul 03 04:13:19 2018
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Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-27-29-180618RE

Tgt Ion: 168 Resp: 589456

Ion Ratio Lower Upper

168 100

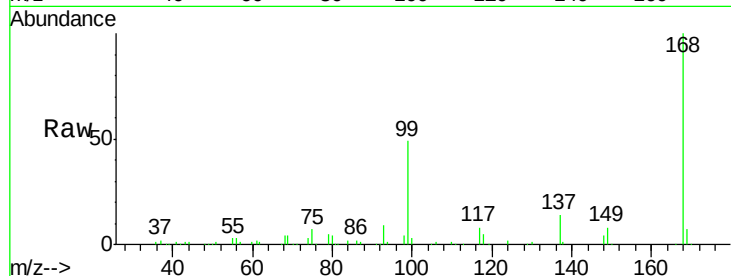
99 49.1 41.0 61.6

Manual Integrations

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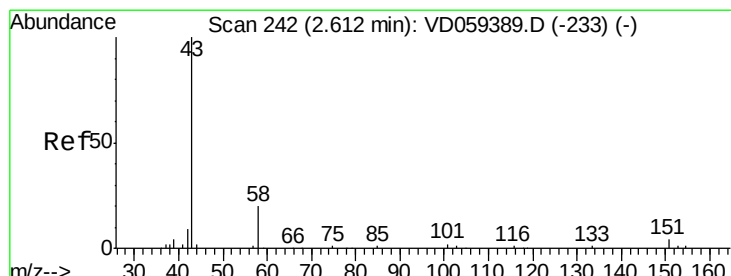
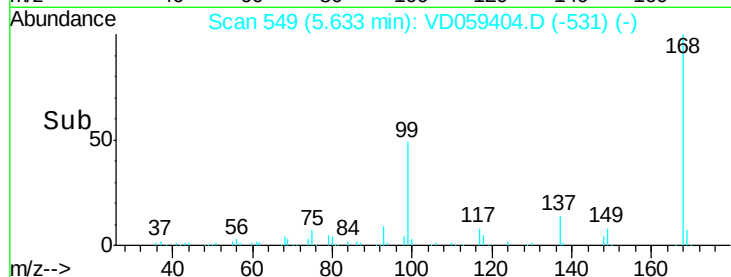
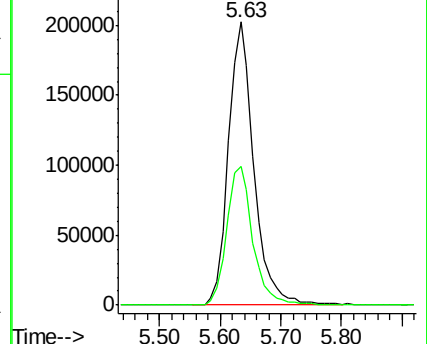
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 84.732 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.02 min

Lab File: VD059404.D

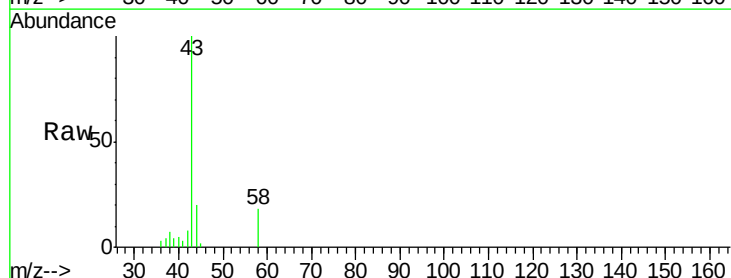
Acq: 25 Jun 2018 17:40

Tgt Ion: 43 Resp: 64463

Ion Ratio Lower Upper

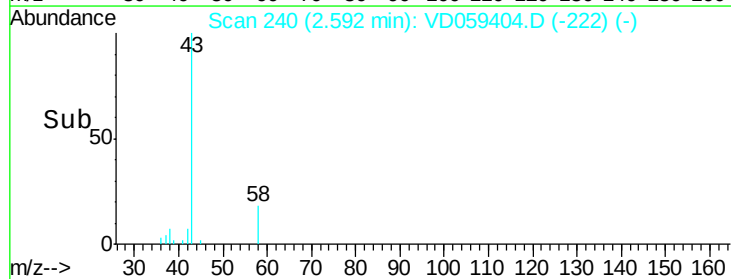
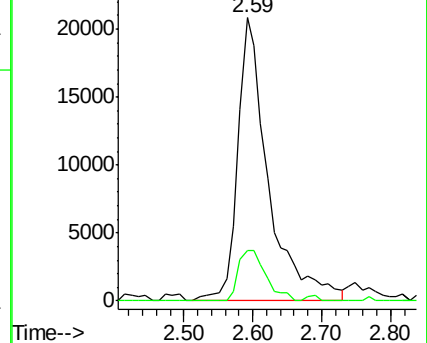
43 100

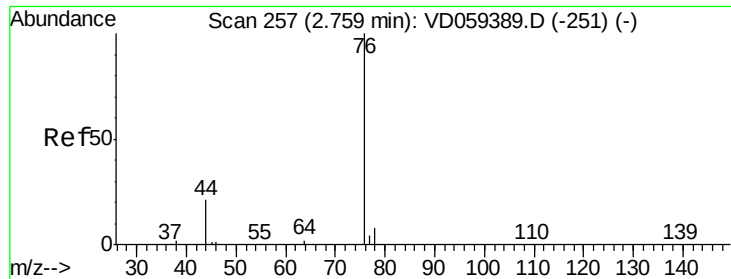
58 17.7 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 10.031 ug/l

RT: 2.74 min Scan# 255

Delta R.T. -0.02 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-27-29-180618RE

Tgt Ion: 76 Resp: 59672

Ion Ratio Lower Upper

76 100

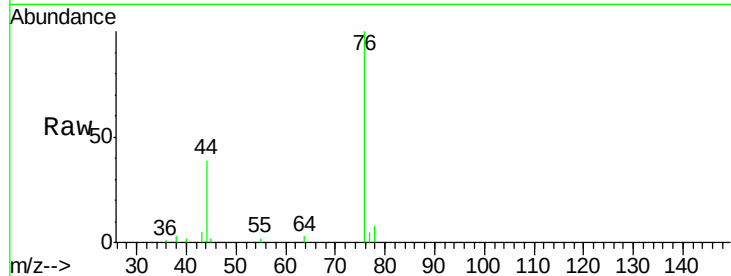
78 8.2 6.6 9.8

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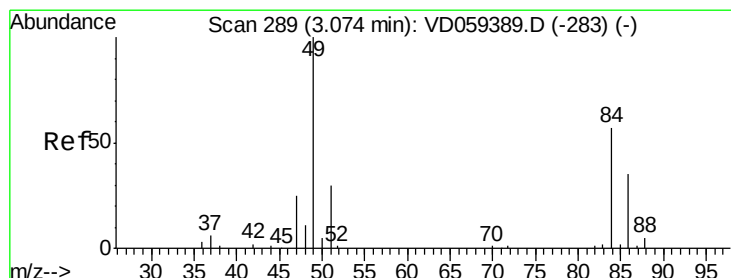
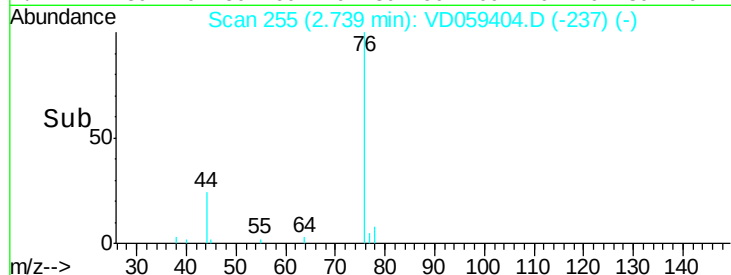
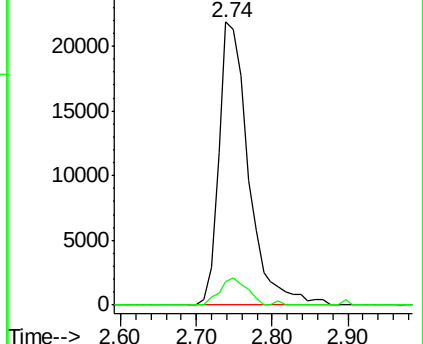
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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: 9.698 ug/l

RT: 3.05 min Scan# 287

Delta R.T. -0.02 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Tgt Ion: 84 Resp: 24704

Ion Ratio Lower Upper

84 100

49 174.9 140.3 210.5

51 55.5 41.6 62.4

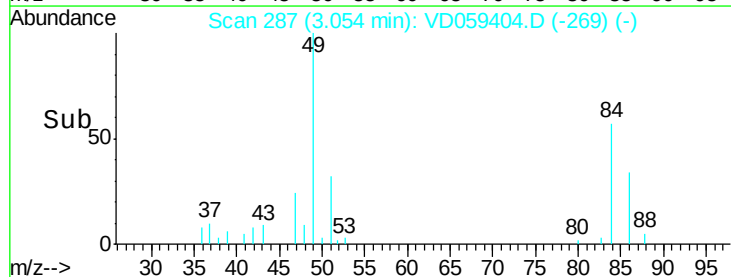
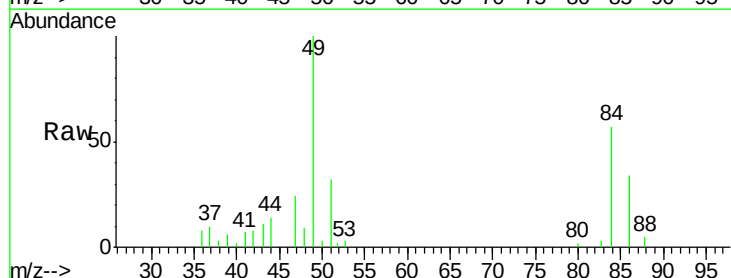
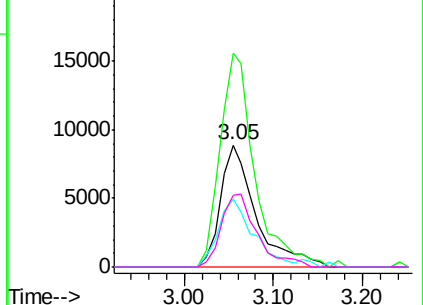
86 58.8 49.4 74.2

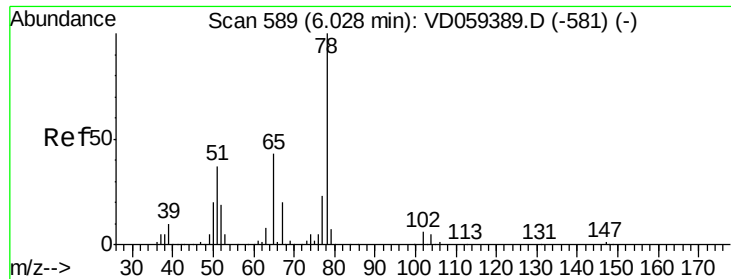
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.01 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :

MSVOA_D

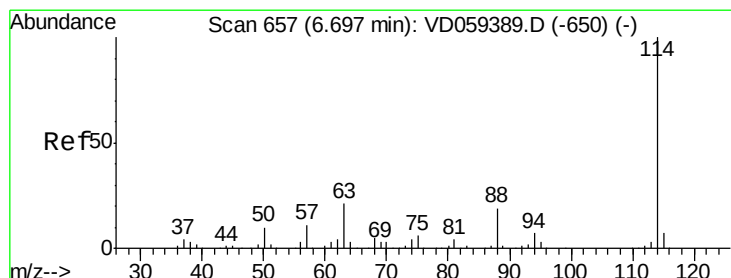
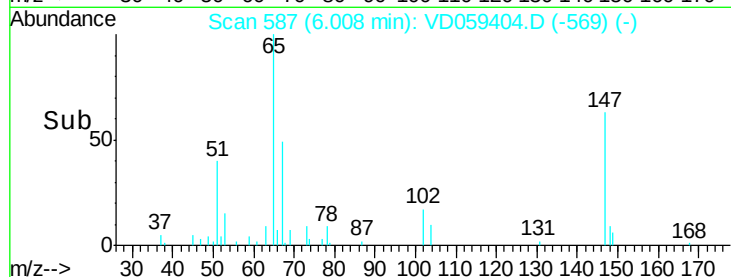
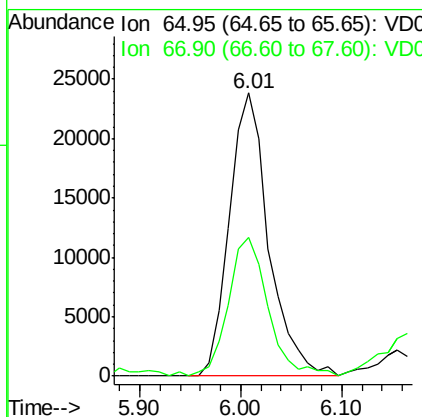
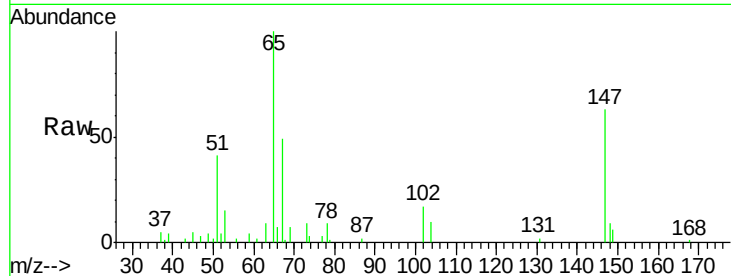
ClientSampleId :

WP021SB470-27-29-180618RE

Tgt Ion: 65 Resp: 64667
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 93.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

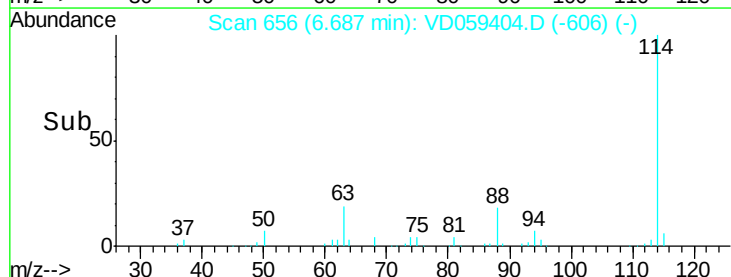
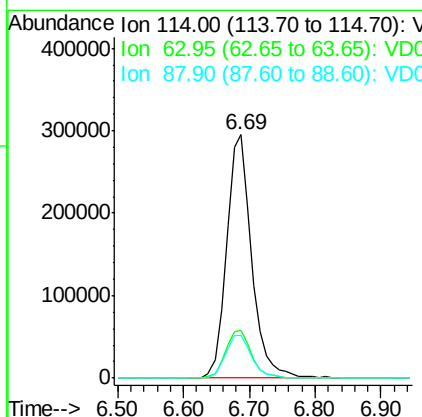
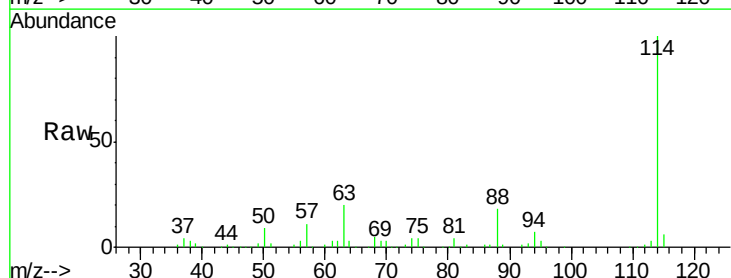
RT: 6.69 min Scan# 656

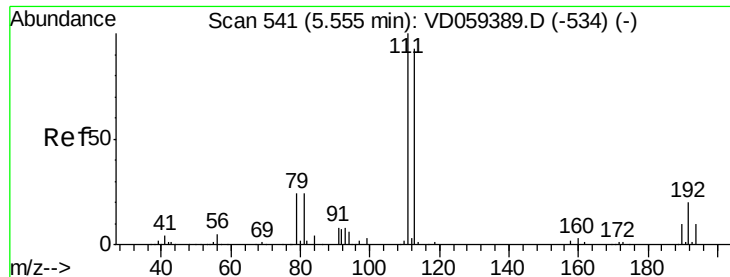
Delta R.T. -0.01 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Tgt Ion: 114 Resp: 784582
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.4
 88 17.6 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 539

Delta R.T. -0.02 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :

MSVOA_D

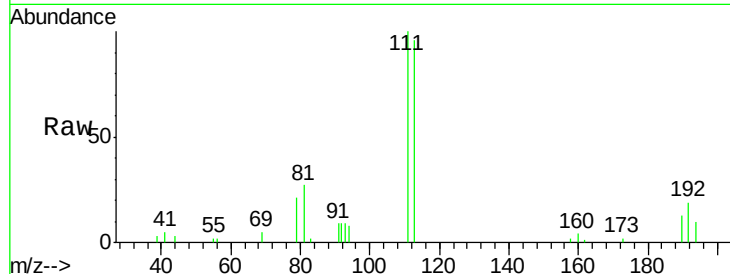
ClientSampleId :

WP021SB470-27-29-180618RE

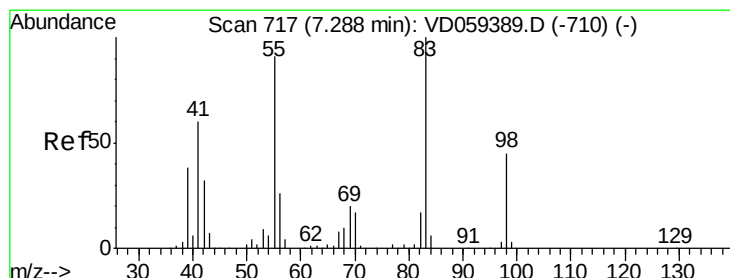
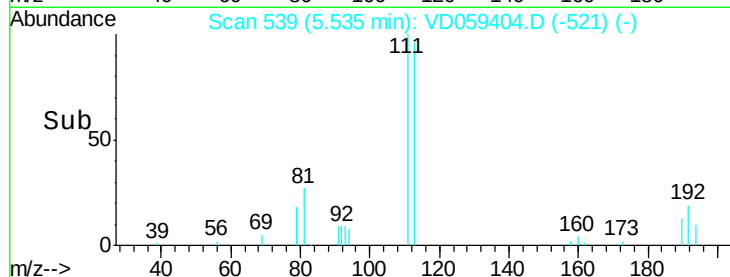
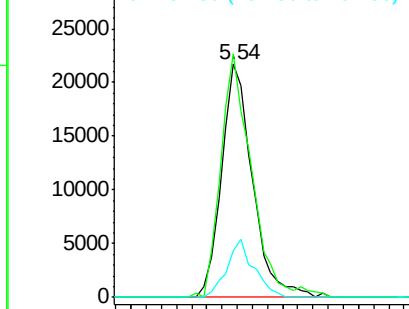
Tgt Ion:	113	Resp:	61603
Ion Ratio	Lower	Upper	
113	100		
111	104.5	85.7	128.5
192	20.2	16.9	25.3

Manual Integrations
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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: 64.456 ug/l

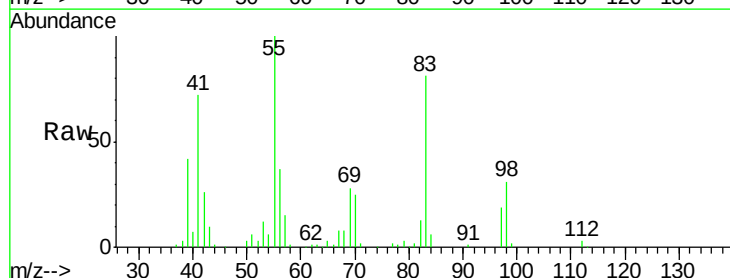
RT: 7.28 min Scan# 716

Delta R.T. -0.01 min

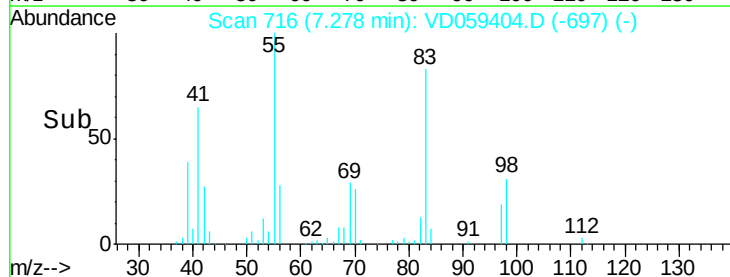
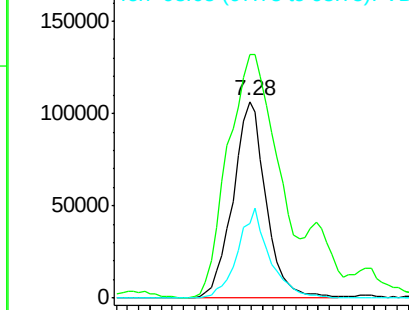
Lab File: VD059404.D

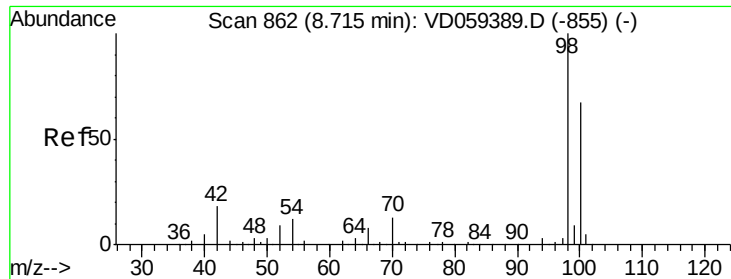
Acq: 25 Jun 2018 17:40

Tgt Ion:	83	Resp:	435102
Ion Ratio	Lower	Upper	
83	100		
55	124.0	72.6	109.0#
98	38.0	35.8	53.6



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC





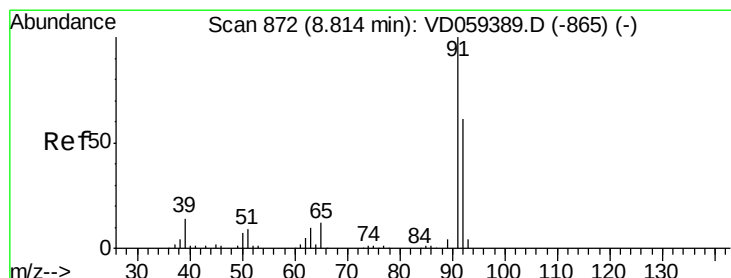
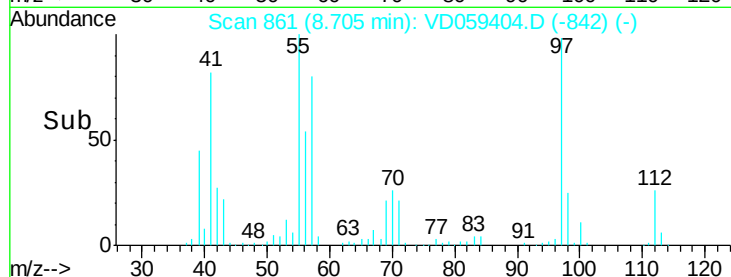
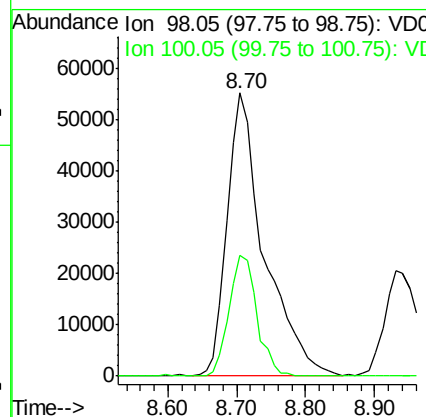
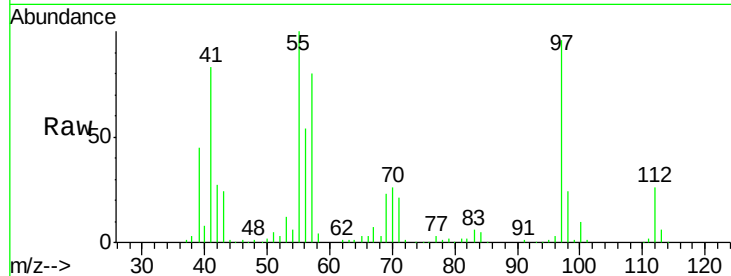
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

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MSVOA_D
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Tgt Ion: 98 Resp: 206253
Ion Ratio Lower Upper
98 100
100 42.7 54.4 81.6#

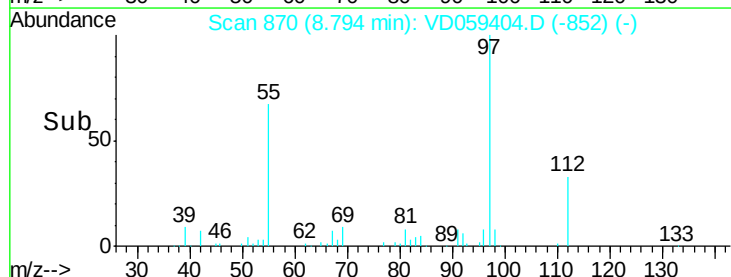
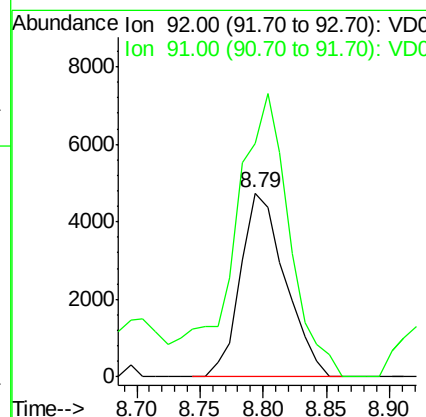
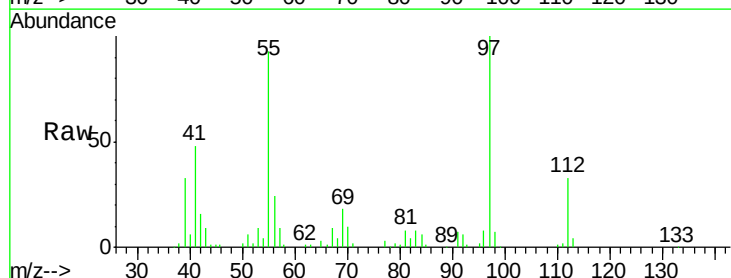
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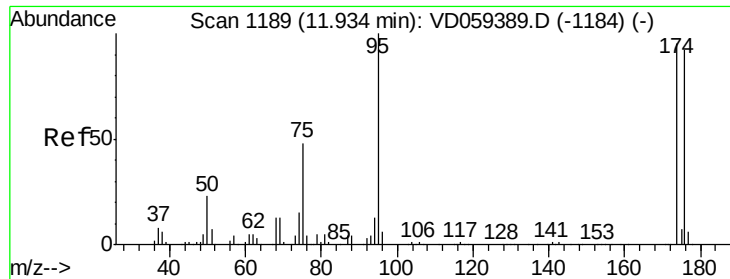
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#52
Toluene
Concen: 1.143 ug/l
RT: 8.79 min Scan# 870
Delta R.T. -0.02 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

Tgt Ion: 92 Resp: 11656
Ion Ratio Lower Upper
92 100
91 127.2 132.2 198.2#





#62

4-Bromofluorobenzene

Concen: Below ug/l m

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-27-29-180618RE

Tgt Ion: 95 Resp: 1192221

Ion Ratio Lower Upper

95 100

174 0.9 0.0 190.4

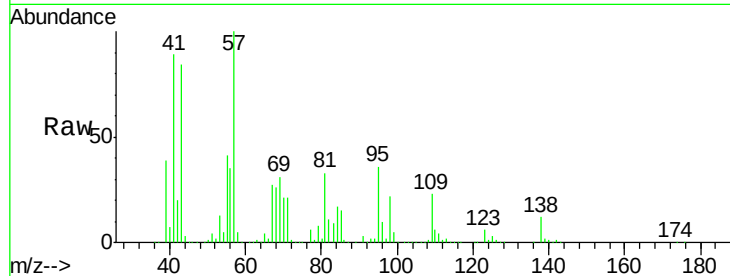
176 0.9 0.0 183.2

Manual Integrations

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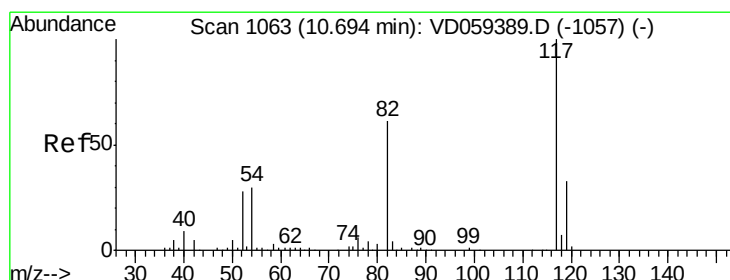
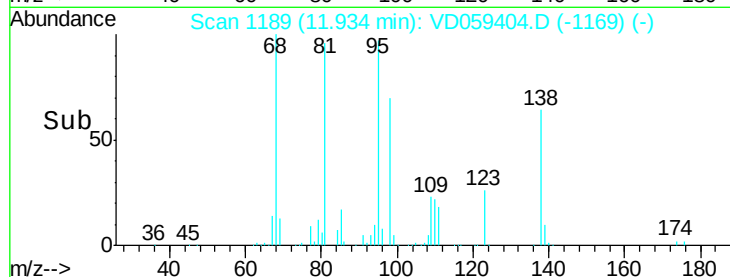
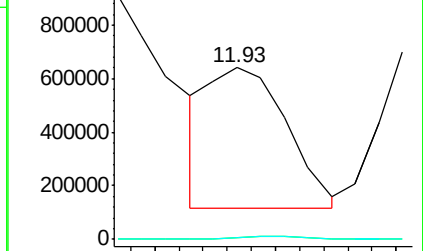
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Abundance Ion 95.00 (94.70 to 95.70): VD059389.D (-1184) (-)

Ion 173.90 (173.60 to 174.60): VD059389.D (-1184) (-)

Ion 175.90 (175.60 to 176.60): VD059389.D (-1184) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.68 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

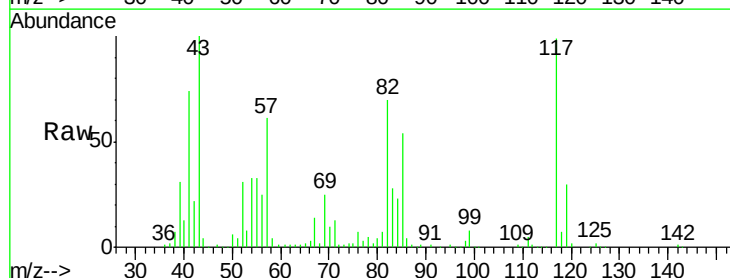
Tgt Ion: 117 Resp: 482061

Ion Ratio Lower Upper

117 100

82 71.3 49.0 73.6

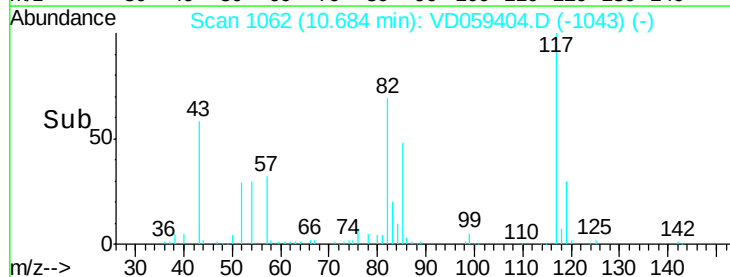
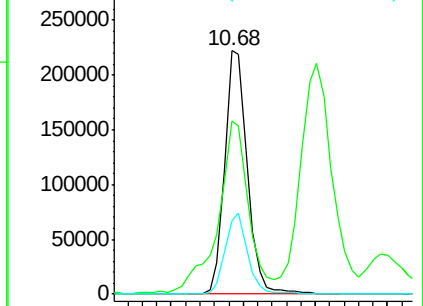
119 29.9 26.2 39.4

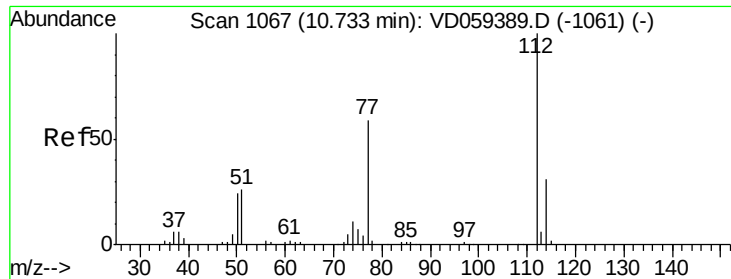


Abundance Ion 116.95 (116.65 to 117.65): VD059389.D (-1057) (-)

Ion 82.05 (81.75 to 82.75): VD059389.D (-1057) (-)

Ion 118.95 (118.65 to 119.65): VD059389.D (-1057) (-)





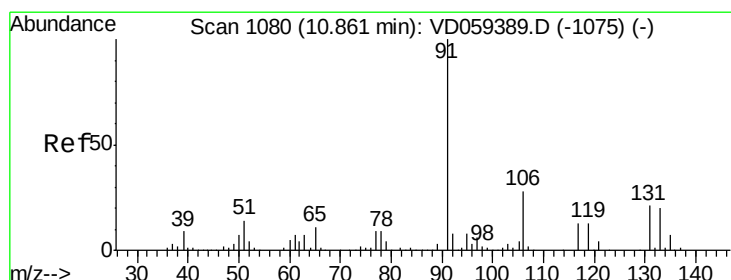
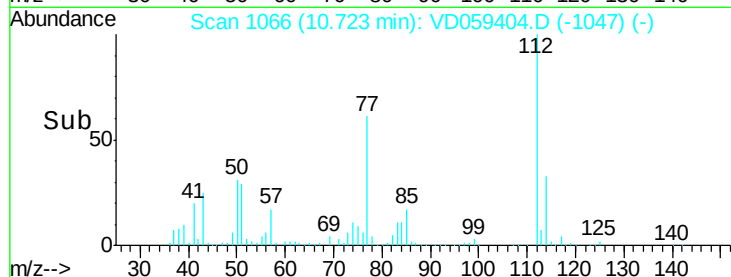
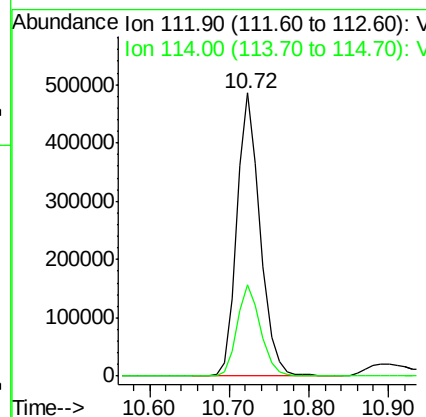
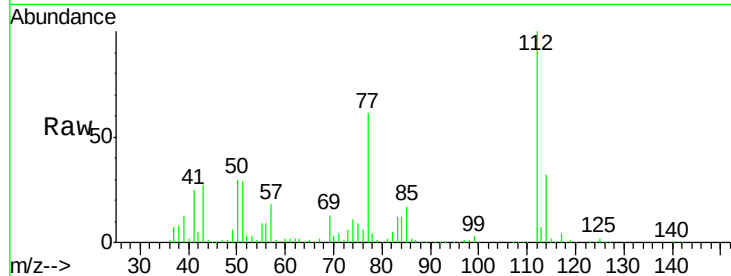
#65
Chlorobenzene
Concen: 110.757 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

Instrument :
MSVOA_D
ClientSampleId :
WP021SB470-27-29-180618RE

Tgt Ion: 112 Resp: 976280
Ion Ratio Lower Upper
112 100
114 32.4 24.6 37.0

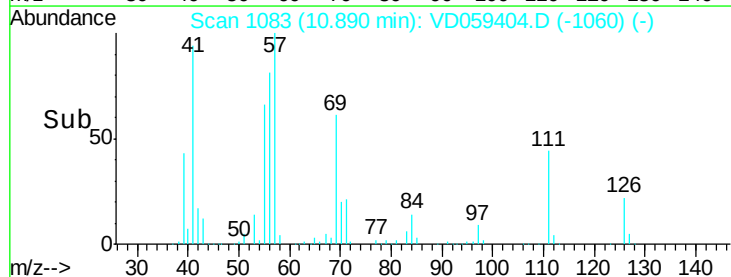
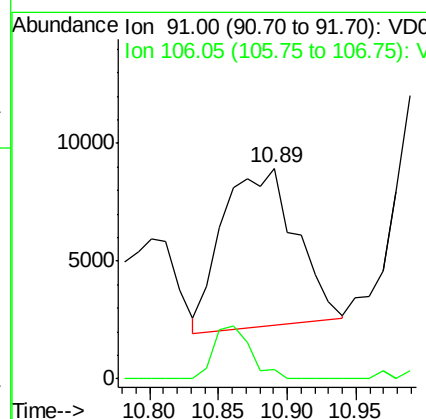
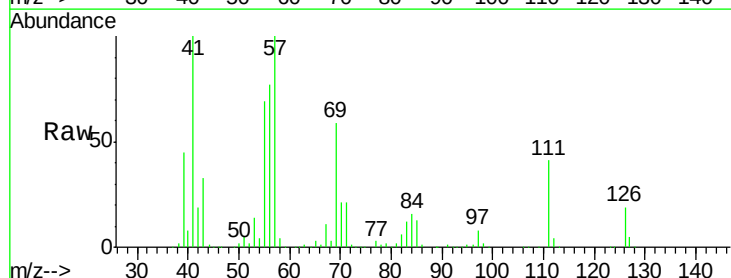
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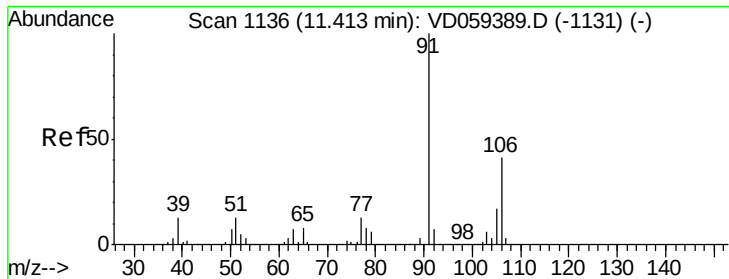
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#67
Ethyl Benzene
Concen: 1.680 ug/l
RT: 10.89 min Scan# 1083
Delta R.T. 0.03 min
Lab File: VD059404.D
Acq: 25 Jun 2018 17:40

Tgt Ion: 91 Resp: 24981
Ion Ratio Lower Upper
91 100
106 4.7 22.3 33.5#





#69

o-Xylene

Concen: 1.114 ug/l

RT: 11.41 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-27-29-180618RE

Tgt Ion:106 Resp: 5434

Ion Ratio Lower Upper

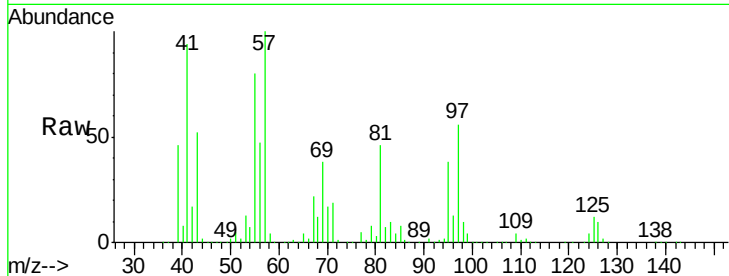
106 100

91 1568.4 121.0 362.8

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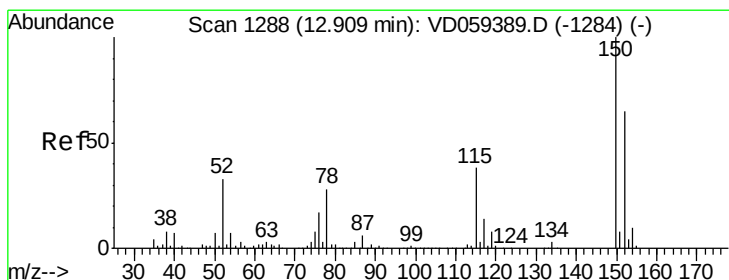
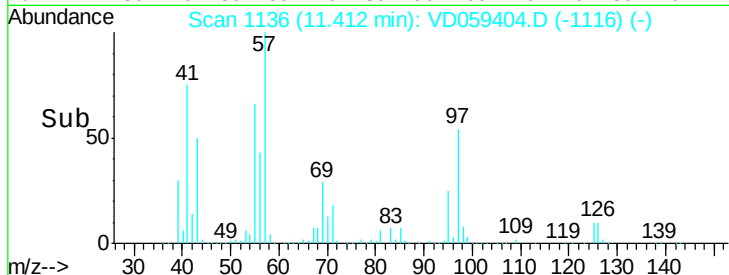
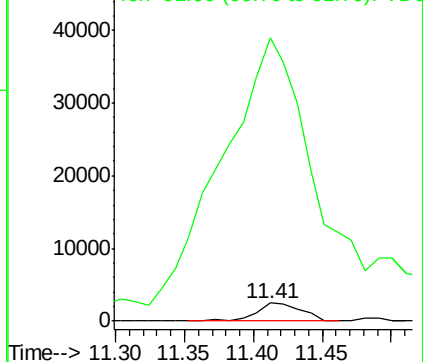
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Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l m

RT: 12.93 min Scan# 1290

Delta R.T. 0.02 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

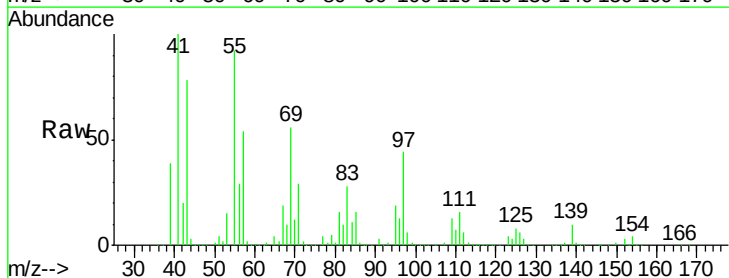
Tgt Ion:152 Resp: 182276

Ion Ratio Lower Upper

152 100

115 12.2 29.4 88.3#

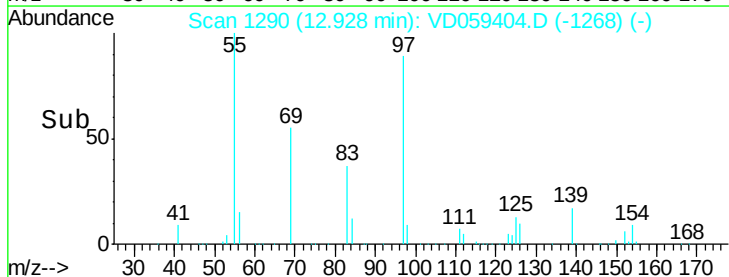
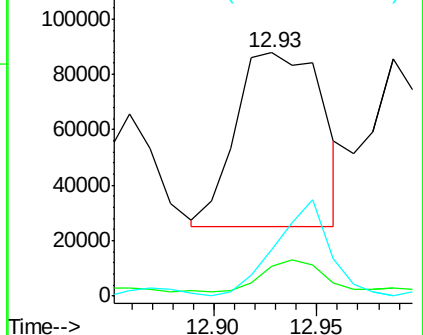
150 19.2 0.0 308.2

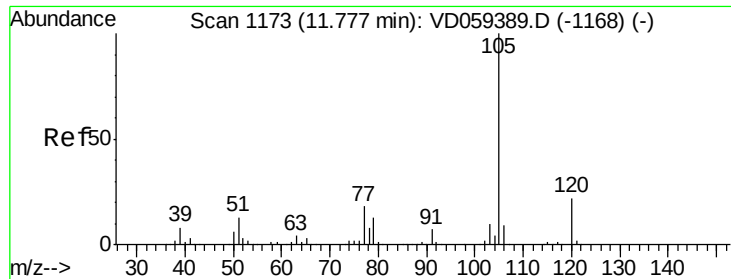


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 153.781 ug/l

RT: 11.80 min Scan# 1175

Delta R.T. 0.02 min

Lab File: VD059404.D

Acq: 25 Jun 2018 17:40

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-27-29-180618RE

Tgt Ion: 105 Resp: 1581818

Ion Ratio Lower Upper

105 100

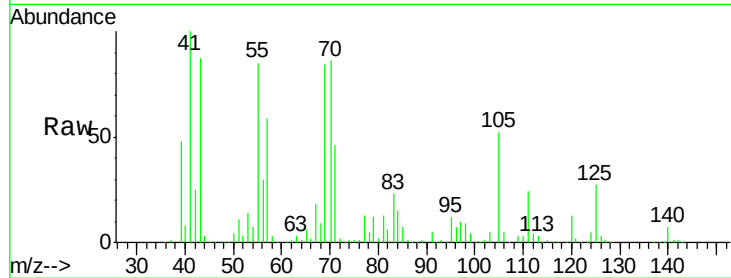
120 25.6 11.0 33.0

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

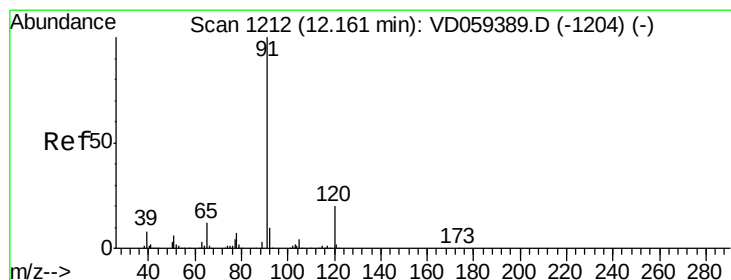
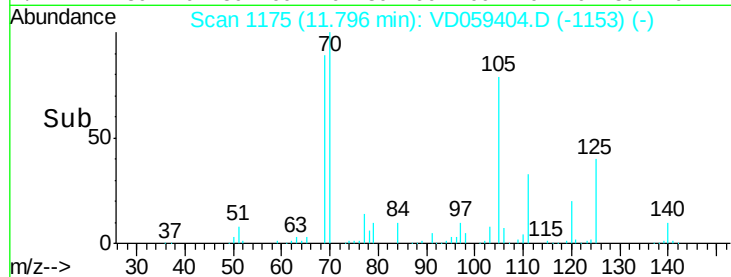
400000

200000

0

11.70 11.80 11.90

Time-->



#78

n-propylbenzene

Concen: 226.840 ug/l

RT: 12.18 min Scan# 1214

Delta R.T. 0.02 min

Lab File: VD059404.D

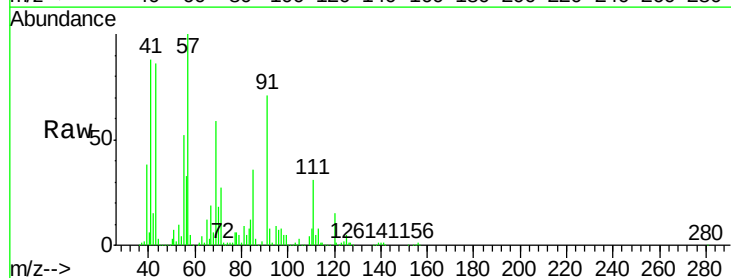
Acq: 25 Jun 2018 17:40

Tgt Ion: 91 Resp: 2955162

Ion Ratio Lower Upper

91 100

120 20.5 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

1500000

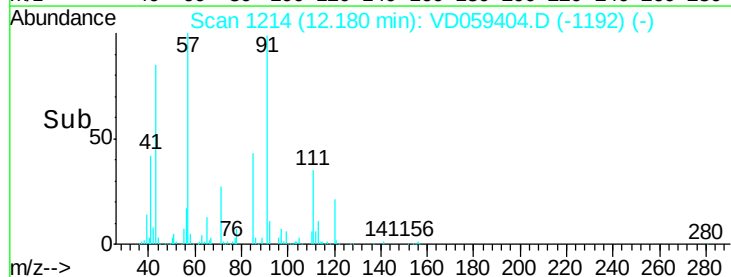
1000000

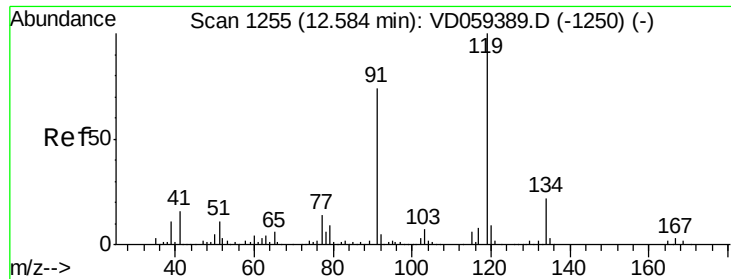
500000

0

12.10 12.20

Time-->





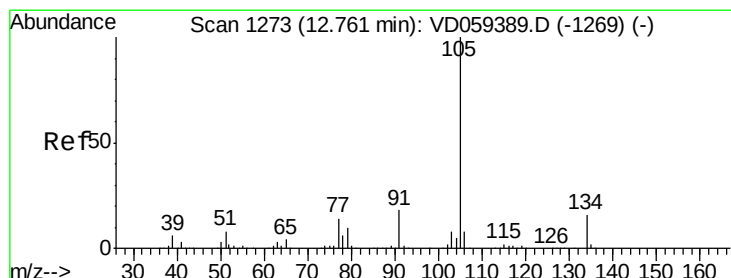
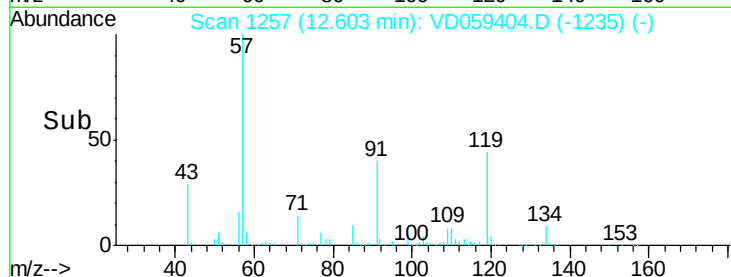
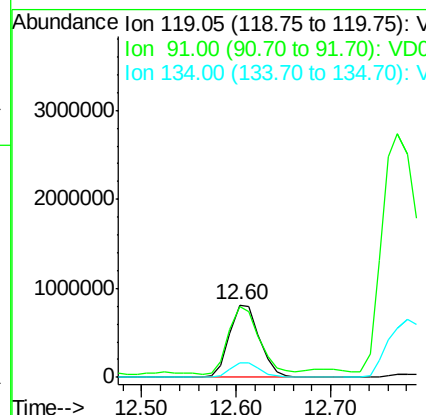
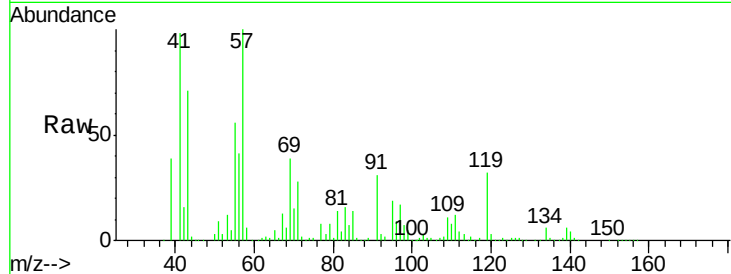
#83
 tert-Butylbenzene
 Concen: 205.658 ug/l
 RT: 12.60 min Scan# 1257
 Delta R.T. 0.02 min
 Lab File: VD059404.D
 Acq: 25 Jun 2018 17:40

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB470-27-29-180618RE

Tgt Ion:119 Resp: 1791378
 Ion Ratio Lower Upper
 119 100
 91 98.1 36.9 110.7
 134 19.5 11.2 33.6

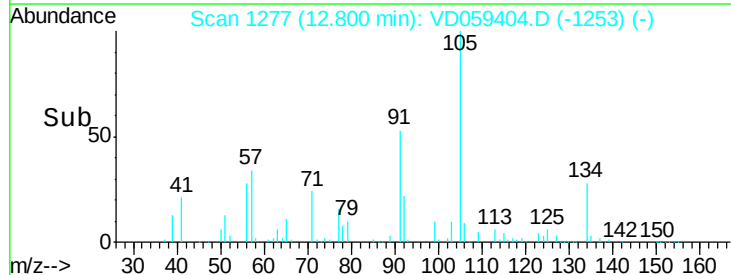
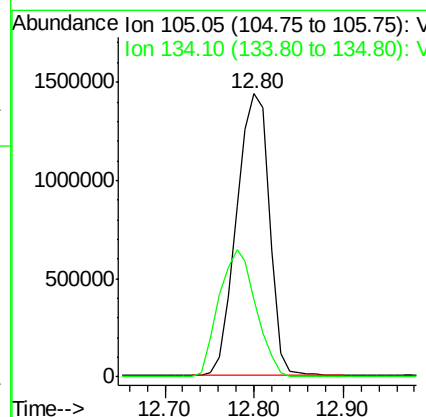
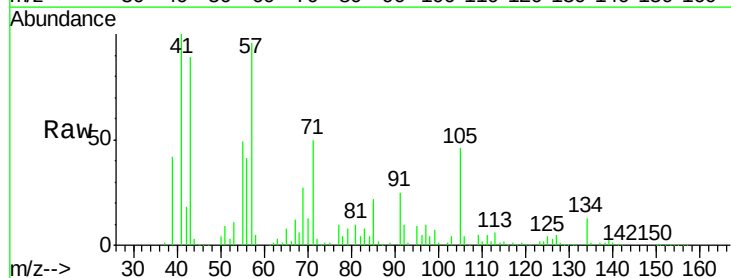
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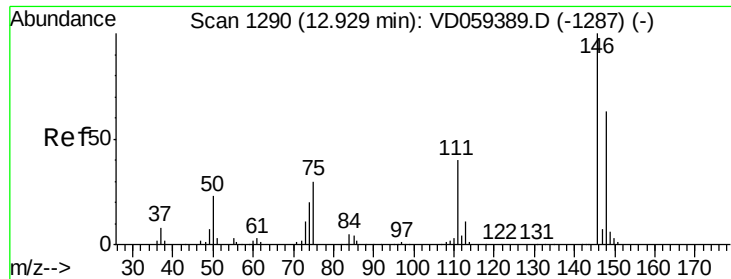
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#85
 sec-Butylbenzene
 Concen: 344.148 ug/l
 RT: 12.80 min Scan# 1277
 Delta R.T. 0.04 min
 Lab File: VD059404.D
 Acq: 25 Jun 2018 17:40

Tgt Ion:105 Resp: 3678433
 Ion Ratio Lower Upper
 105 100
 134 27.5 8.2 24.6#





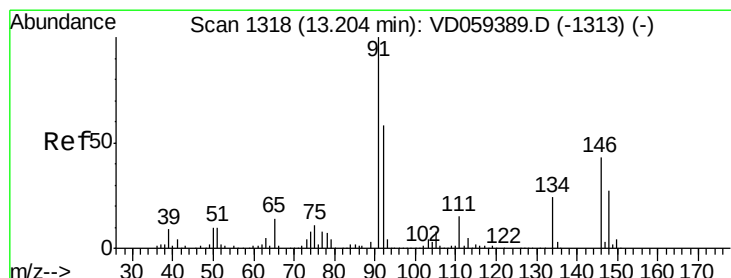
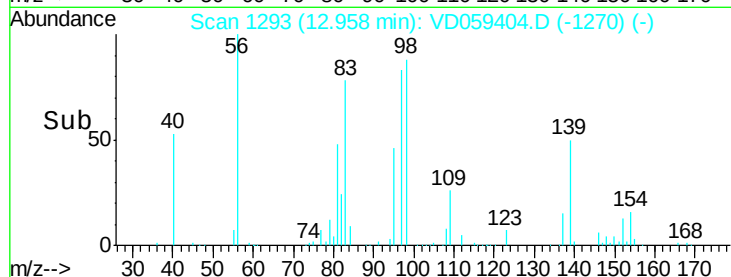
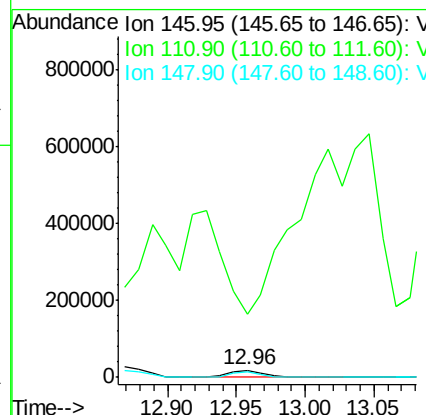
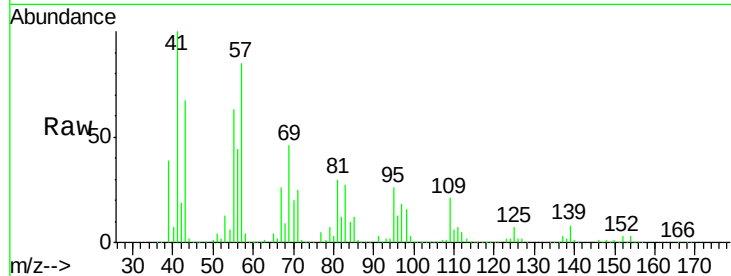
#88
 1,4-Dichlorobenzene
 Concen: 6.025 ug/l
 RT: 12.96 min Scan# 1293
 Delta R.T. 0.03 min
 Lab File: VD059404.D
 Acq: 25 Jun 2018 17:40

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB470-27-29-180618RE

Tgt Ion: 146 Resp: 31668
 Ion Ratio Lower Upper
 146 100
 111 855.3 20.1 60.2#
 148 68.3 31.4 94.0

Manual Integrations
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#89
 n-Butylbenzene
 Concen: 196.401 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. 0.02 min
 Lab File: VD059404.D
 Acq: 25 Jun 2018 17:40

Tgt Ion: 91 Resp: 1670187
 Ion Ratio Lower Upper
 91 100
 92 53.0 28.8 86.5
 134 23.4 11.9 35.7

