

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058309.D
 Acq On : 22 Jun 2018 21:12
 Operator : VA/AP
 Sample : J3663-12
 Misc : 8.94g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

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

Manual Integrations
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 6/24/2018 11:57:08 AM

Quant Time: Jun 22 23:52:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	706944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	925014	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	566391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	332900m	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	340543	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
35) Dibromofluoromethane	5.54	113	361678	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
50) Toluene-d8	8.70	98	786366	43.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.34%	
62) 4-Bromofluorobenzene	11.94	95	1382831	185.85	ug/l	0.02
Spiked Amount	50.000		Recovery	=	371.70%	

Target Compounds

						Qvalue
16) Acetone	2.60	43	43481	44.53	ug/l	99
17) Carbon Disulfide	2.76	76	63503	7.68	ug/l #	94
20) Methylene Chloride	3.06	84	19954	3.38	ug/l #	78
39) Methylcyclohexane	7.29	83	361340	40.54	ug/l #	71
65) Chlorobenzene	10.72	112	584762	55.19	ug/l	99
73) Isopropylbenzene	11.80	105	1062280	53.35	ug/l	97
78) n-propylbenzene	12.18	91	1879488	73.09	ug/l	95
83) tert-Butylbenzene	12.60	119	1527384	85.54	ug/l	79
85) sec-Butylbenzene	12.80	105	2699855	129.00	ug/l	86
89) n-Butylbenzene	13.22	91	1239759	69.55	ug/l	92

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

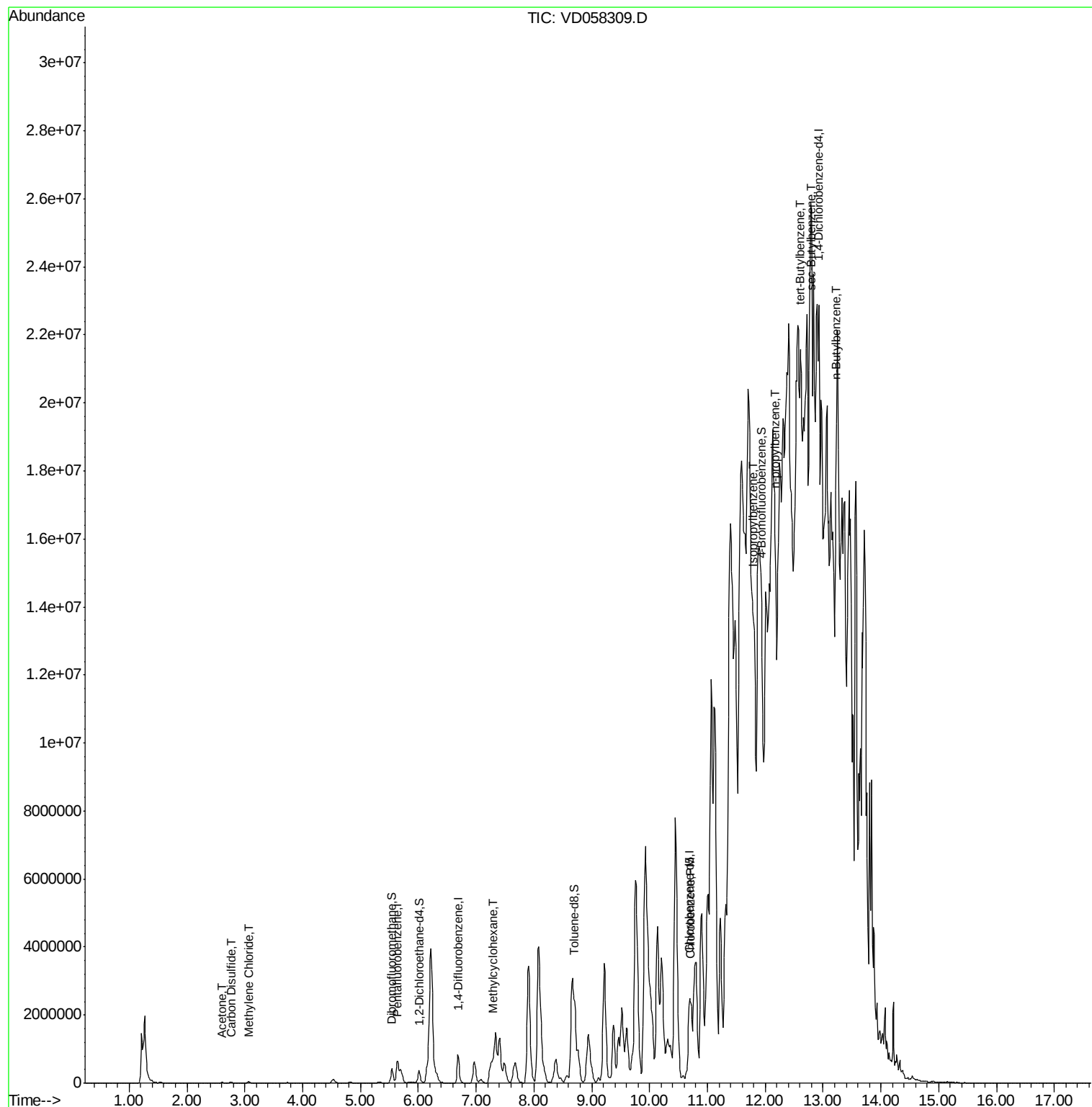
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
Data File : VD058309.D
Acq On : 22 Jun 2018 21:12
Operator : VA/AP
Sample : J3663-12
Misc : 8.94g/5ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

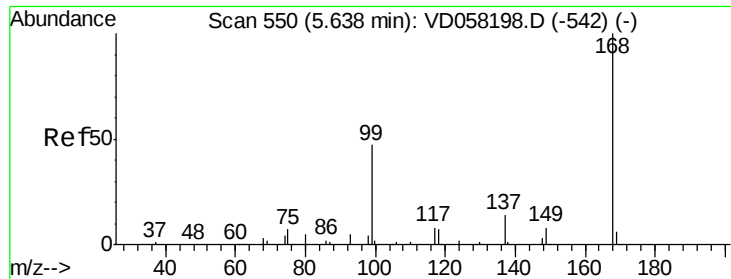
Instrument :
MSVOA_D
ClientSampleId :
WP021SB470-27-29-180618

Manual Integrations
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Quant Time: Jun 22 23:52:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-27-29-180618

Tot Ion:168 Resp: 706944

Ion Ratio Lower Upper

168 100

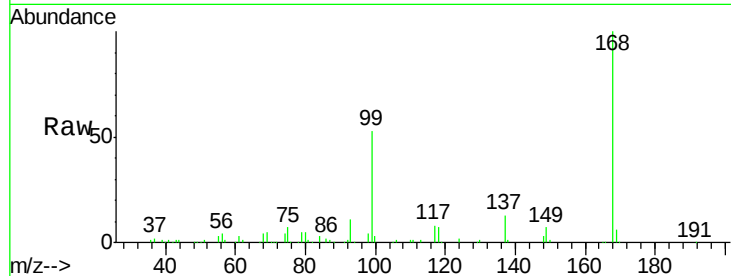
99 53.2 41.1 61.7

Manual Integrations

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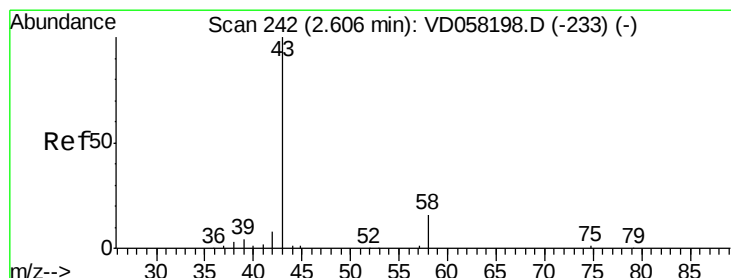
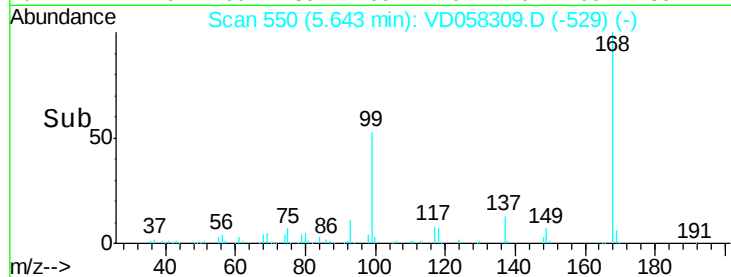
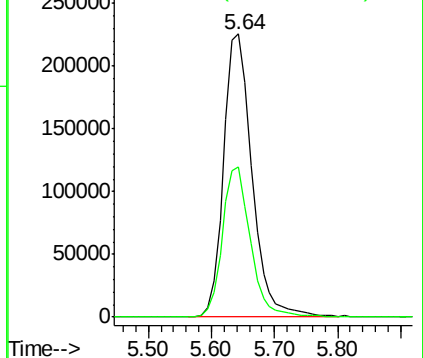
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 44.53 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD058309.D

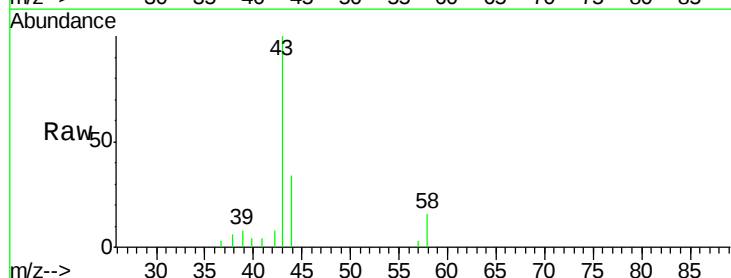
Acq: 22 Jun 2018 21:12

Tgt Ion: 43 Resp: 43481

Ion Ratio Lower Upper

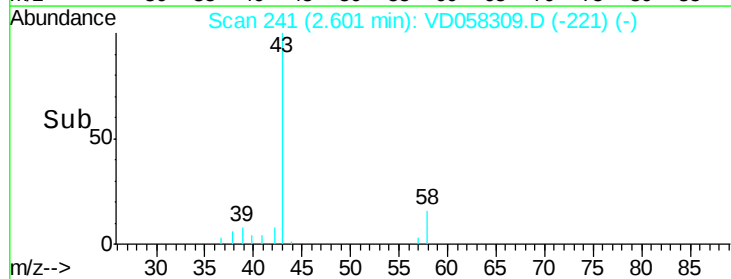
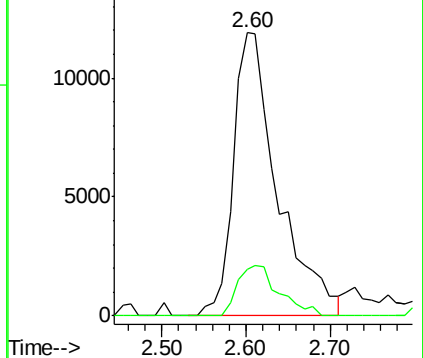
43 100

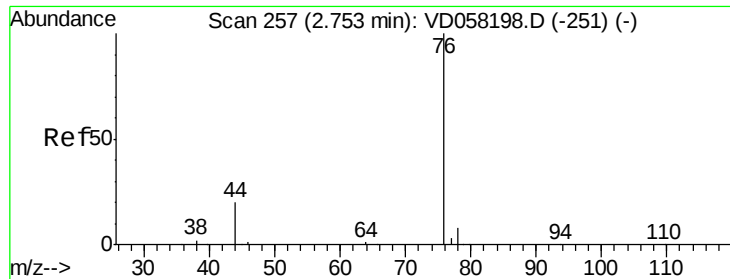
58 16.3 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 7.68 ug/l

RT: 2.76 min Scan# 257

Delta R.T. 0.01 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-27-29-180618

Tot Ion: 76 Resp: 63503

Ion Ratio Lower Upper

76 100

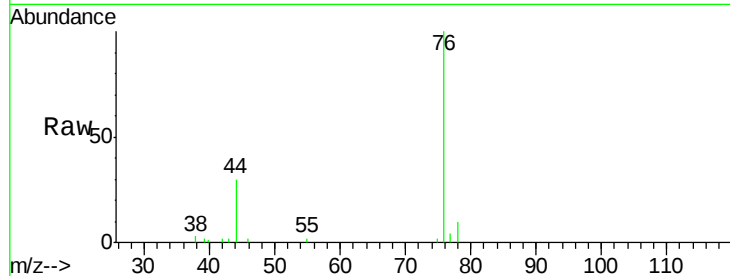
78 10.5 6.8 10.2#

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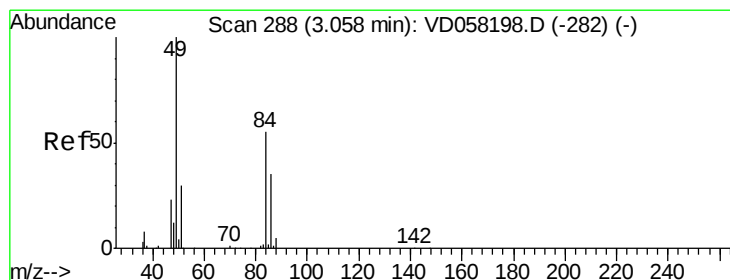
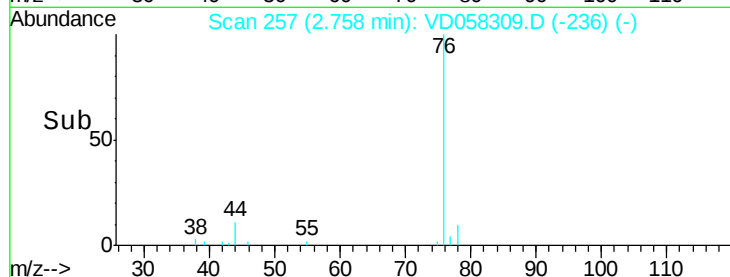
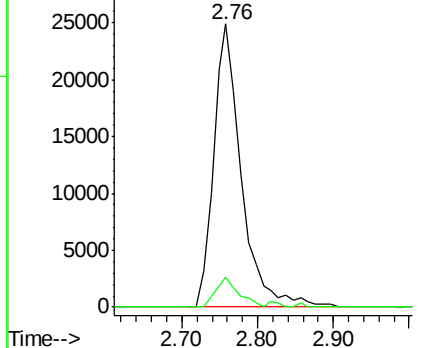
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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: 3.38 ug/l

RT: 3.06 min Scan# 288

Delta R.T. 0.01 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Tgt Ion: 84 Resp: 19954

Ion Ratio Lower Upper

84 100

49 227.4 145.0 217.6#

51 59.2 42.9 64.3

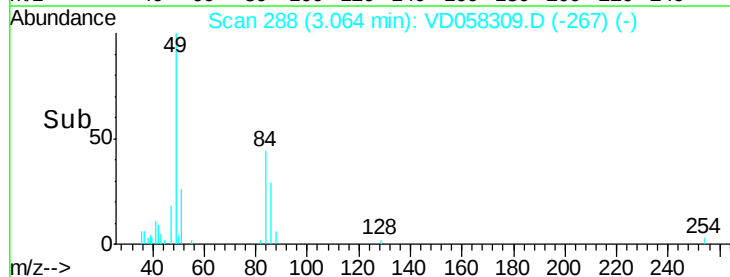
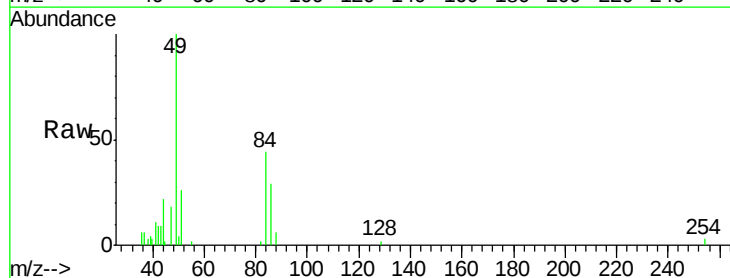
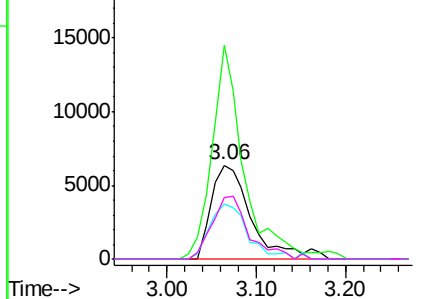
86 64.9 50.1 75.1

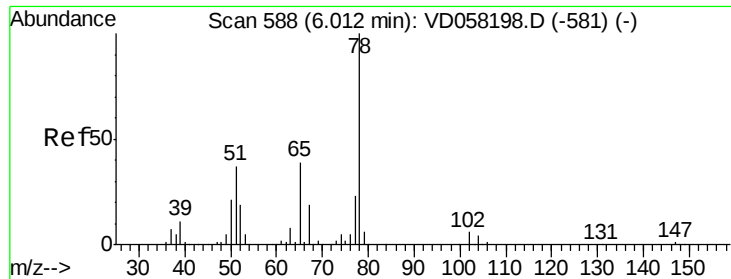
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





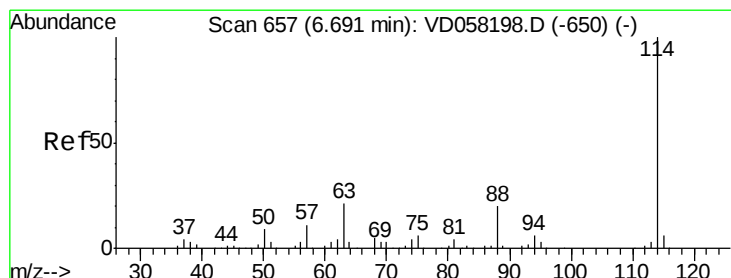
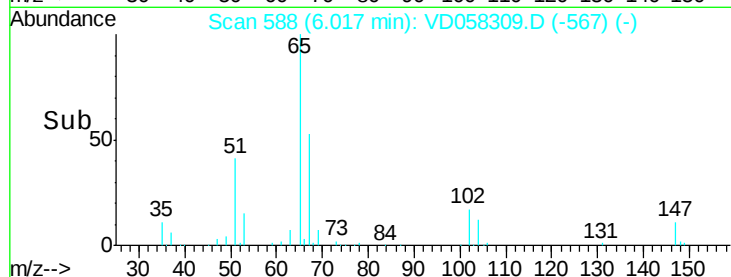
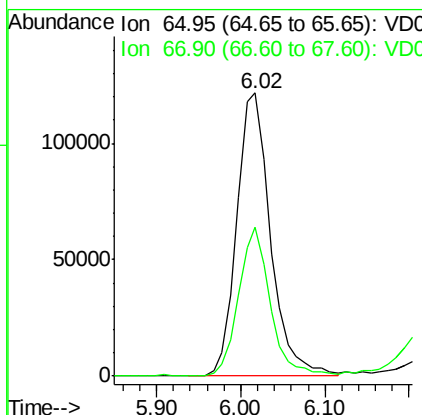
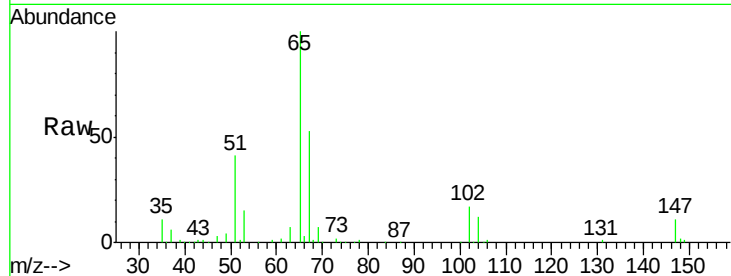
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.02 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD058309.D
 Acq: 22 Jun 2018 21:12

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100	340543		
67	52.6	0.0	97.8	

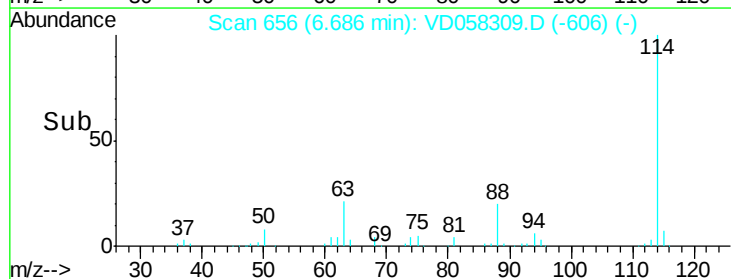
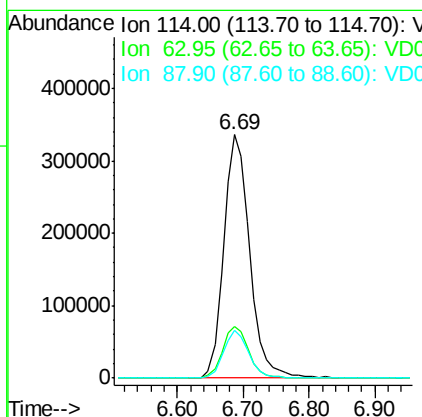
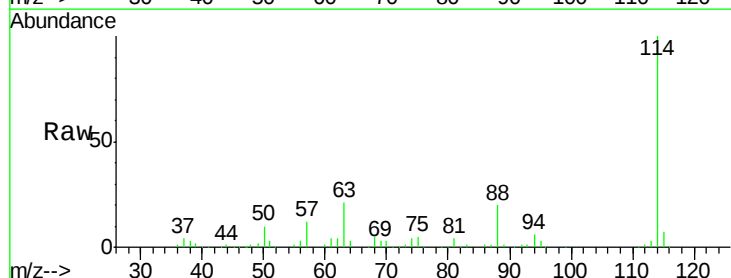
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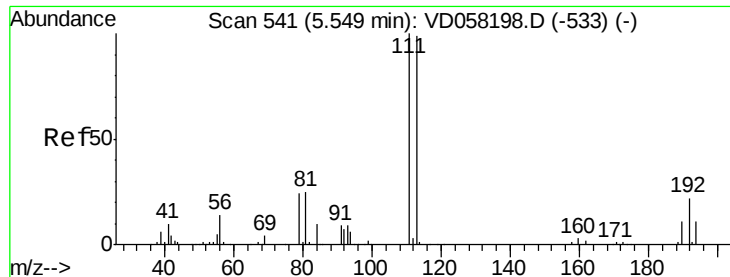
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD058309.D
 Acq: 22 Jun 2018 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	925014		
63	21.3	0.0	42.6	
88	19.8	0.0	40.6	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.00 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Instrument :

MSVOA_D

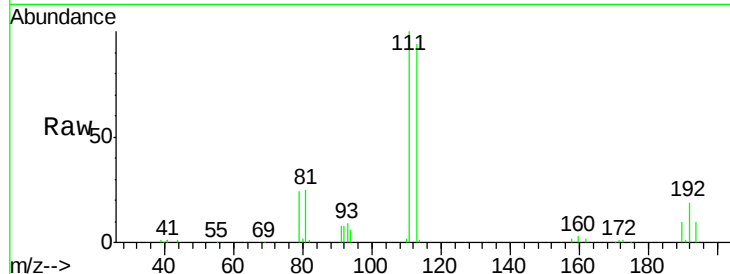
ClientSampleId :

WP021SB470-27-29-180618

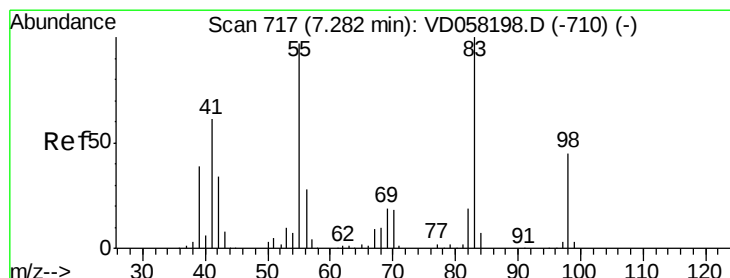
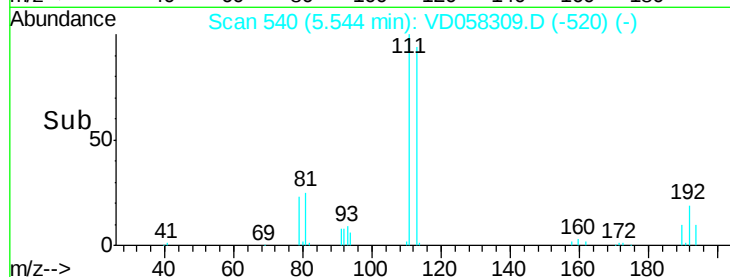
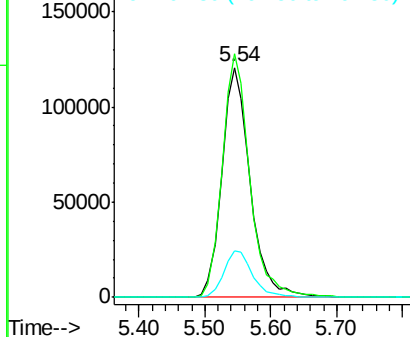
Tot Ion:	113	Resp:	361678
Ion	Ratio	Lower	Upper
113	100		
111	106.1	80.6	121.0
192	20.4	17.8	26.6

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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: 40.54 ug/l

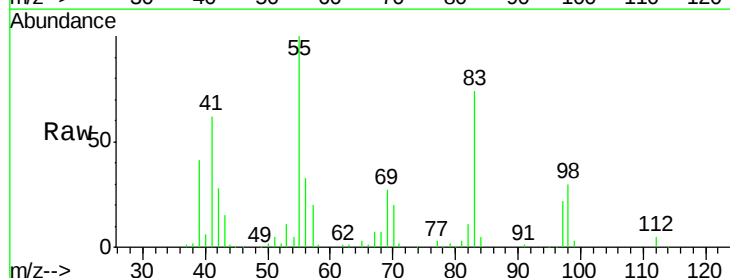
RT: 7.29 min Scan# 717

Delta R.T. 0.01 min

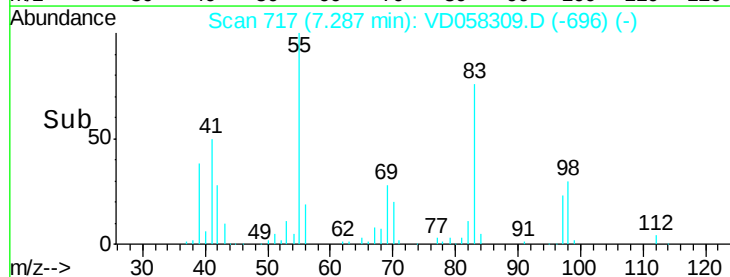
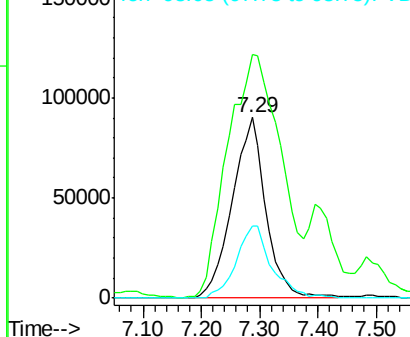
Lab File: VD058309.D

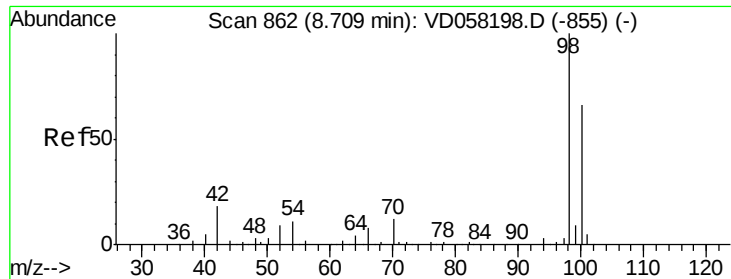
Acq: 22 Jun 2018 21:12

Tgt Ion:	83	Resp:	361340
Ion	Ratio	Lower	Upper
83	100		
55	134.9	77.4	116.2#
98	40.0	35.9	53.9



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. -0.00 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-27-29-180618

Tot Ion: 98 Resp: 786366

Ion Ratio Lower Upper

98 100

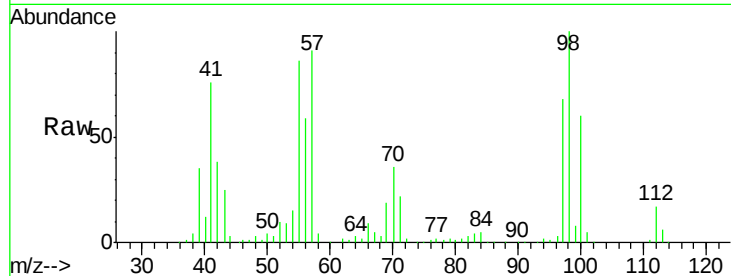
100 59.7 53.6 80.4

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Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

8.70

300000

250000

200000

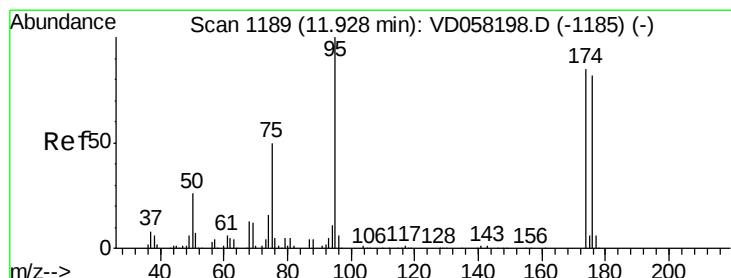
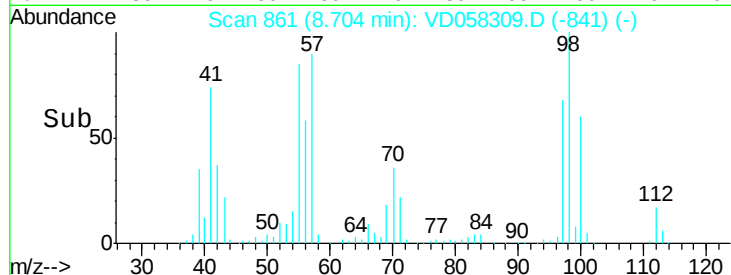
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.02 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

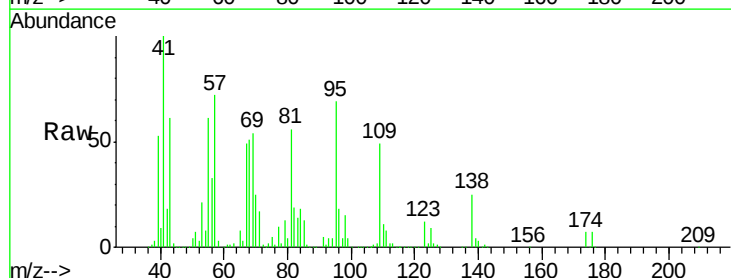
Tgt Ion: 95 Resp: 1382831

Ion Ratio Lower Upper

95 100

174 9.5 0.0 170.2

176 9.9 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

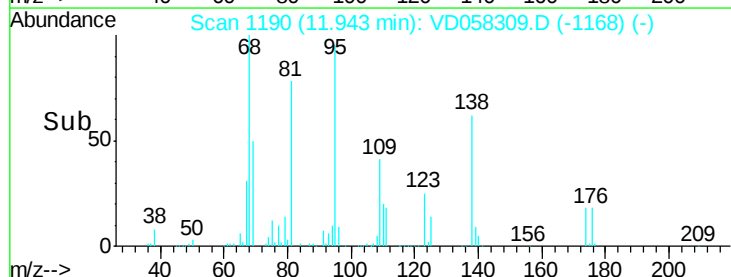
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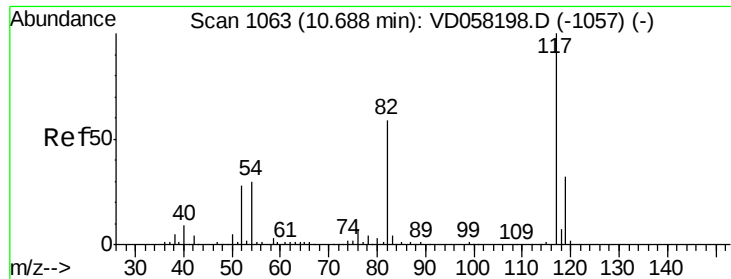
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Time-->





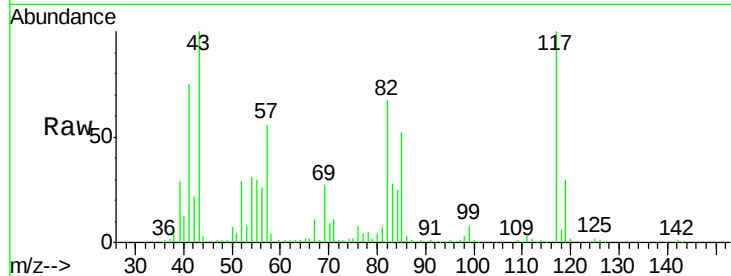
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD058309.D
Acq: 22 Jun 2018 21:12

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

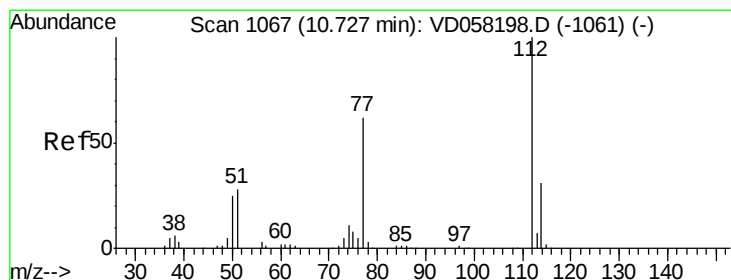
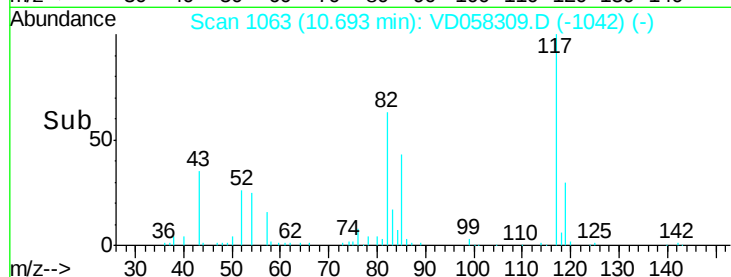
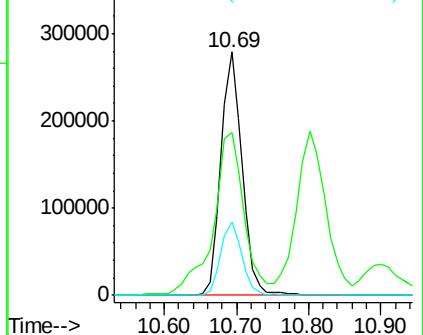
Tot Ion	Ratio	Lower	Upper
117	100		
82	67.0	47.0	70.6
119	30.0	25.3	37.9

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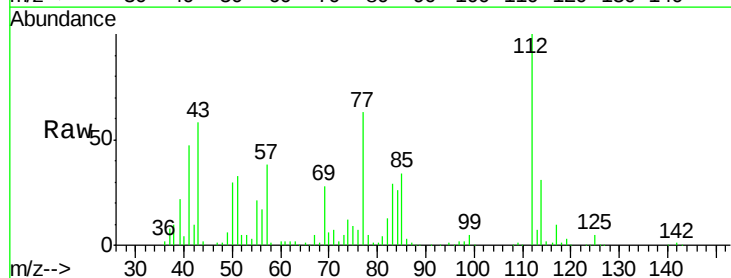


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

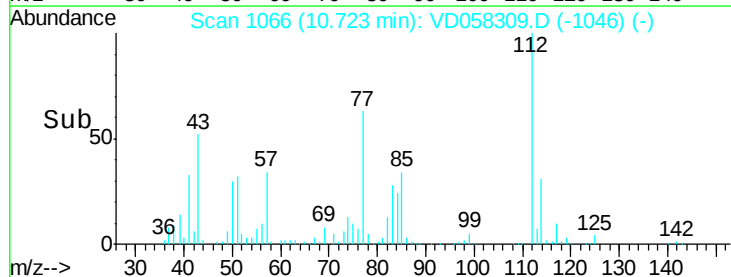
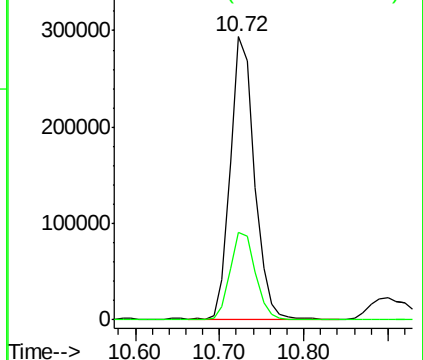


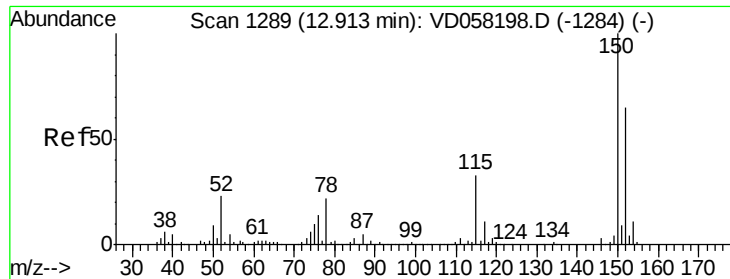
#65
Chlorobenzene
Concen: 55.19 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VD058309.D
Acq: 22 Jun 2018 21:12

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.0	37.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l m

RT: 12.92 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Instrument :

MSVOA_D

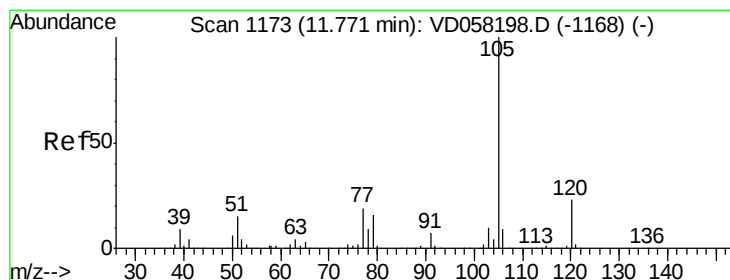
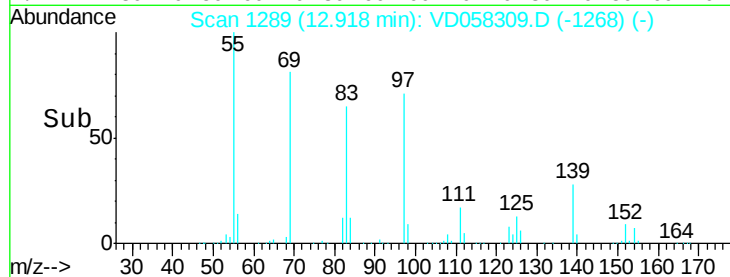
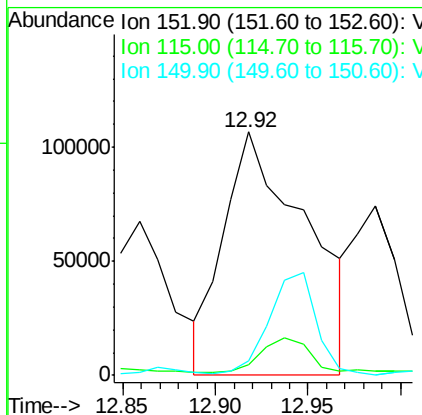
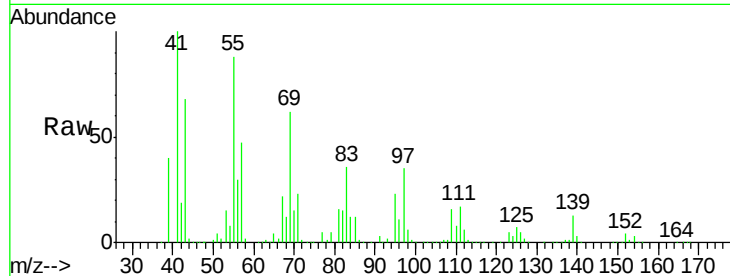
ClientSampleId :

WP021SB470-27-29-180618

Tot Ion	Ratio	Lower	Upper
152	100		
115	4.4	25.1	75.3#
150	6.2	0.0	308.8

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#73

Isopropylbenzene

Concen: 53.35 ug/l

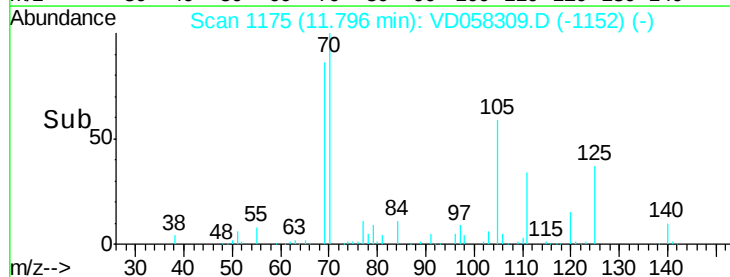
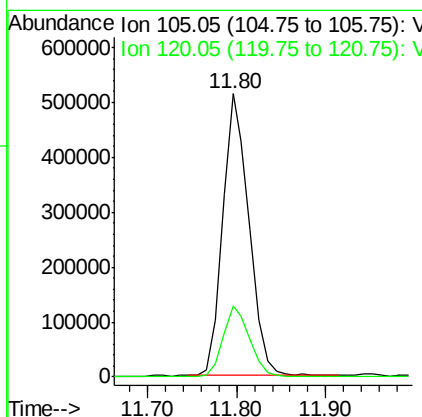
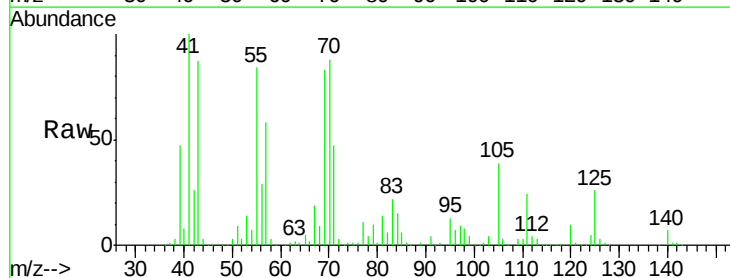
RT: 11.80 min Scan# 1175

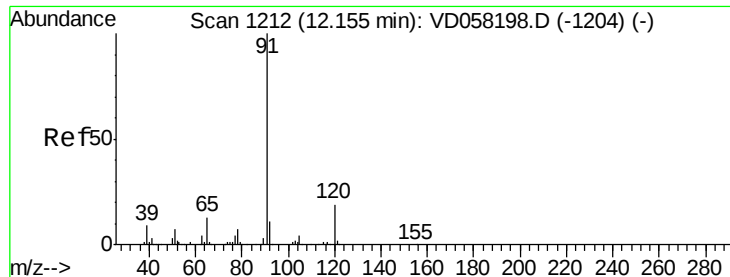
Delta R.T. 0.02 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.9	11.6	34.8





#78

n-propylbenzene

Concen: 73.09 ug/l

RT: 12.18 min Scan# 1214

Delta R.T. 0.02 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-27-29-180618

Tot Ion: 91 Resp: 1879488

Ion Ratio Lower Upper

91 100

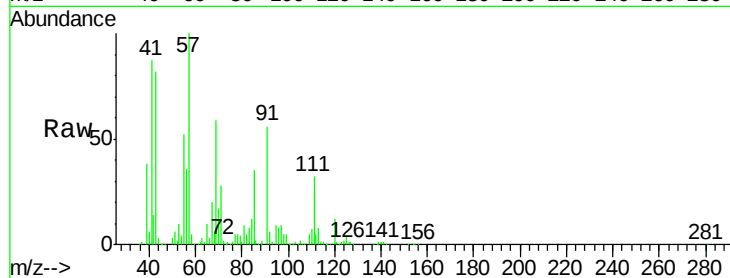
120 21.5 9.7 29.1

Manual Integrations

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6/24/2018 11:57:08 AM



Abundance Ion 91.00 (90.70 to 91.70): VD058198.D (-1204) (-)

Ion 120.05 (119.75 to 120.75): VD058198.D (-1204) (-)

12.18

1000000

800000

600000

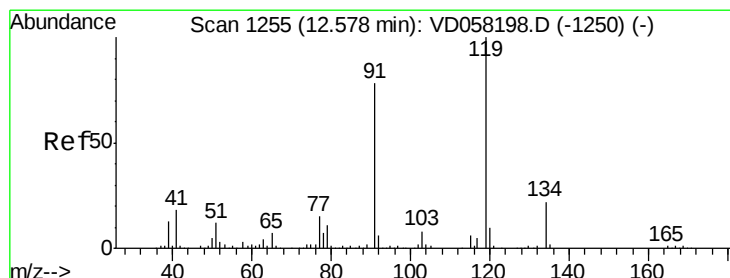
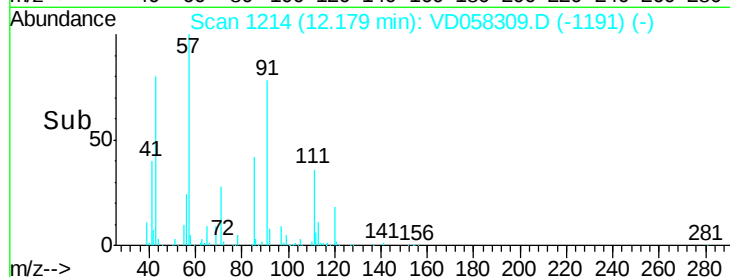
400000

200000

0

12.10 12.15 12.20 12.25

Time-->



#83

tert-Butylbenzene

Concen: 85.54 ug/l

RT: 12.60 min Scan# 1257

Delta R.T. 0.02 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

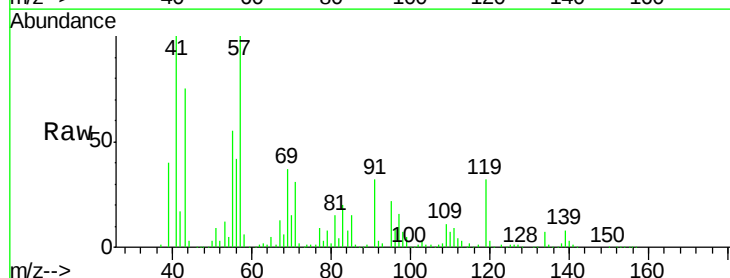
Tgt Ion: 119 Resp: 1527384

Ion Ratio Lower Upper

119 100

91 101.2 38.9 116.6

134 21.5 11.2 33.5



Abundance Ion 119.05 (118.75 to 119.75): VD058198.D (-1250) (-)

Ion 91.00 (90.70 to 91.70): VD058198.D (-1250) (-)

Ion 134.00 (133.70 to 134.70): VD058198.D (-1250) (-)

12.60

3000000

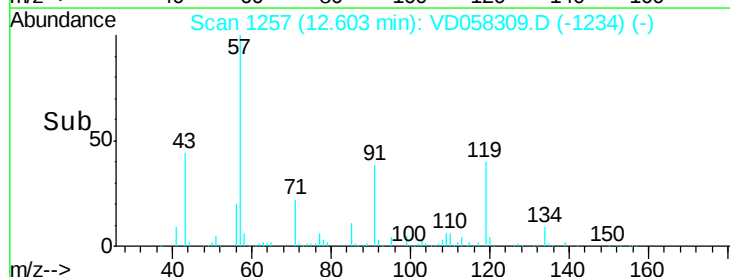
2000000

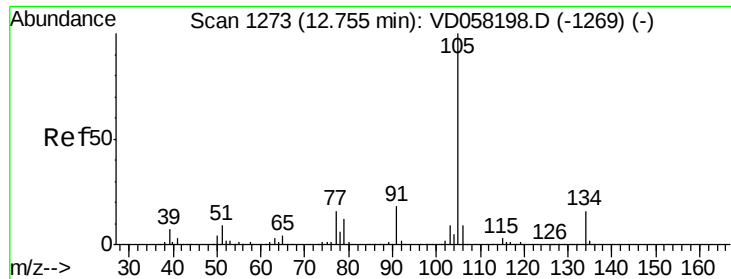
1000000

0

12.50 12.60 12.70

Time-->





#85

sec-Butylbenzene

Concen: 129.00 ug/l

RT: 12.80 min Scan# 1277

Delta R.T. 0.04 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-27-29-180618

Tot Ion: 105 Resp: 2699855

Ion Ratio Lower Upper

105 100

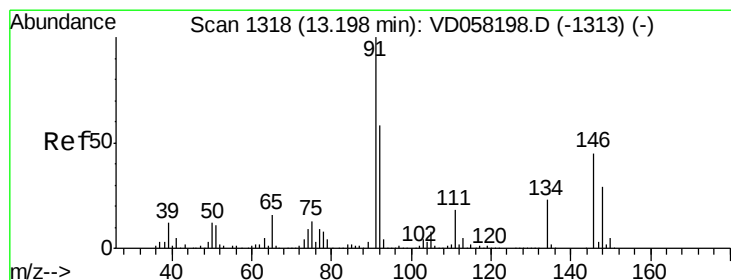
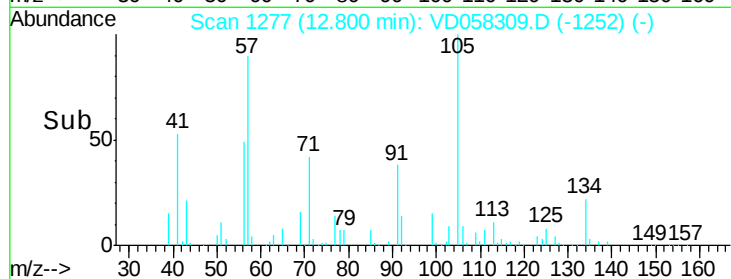
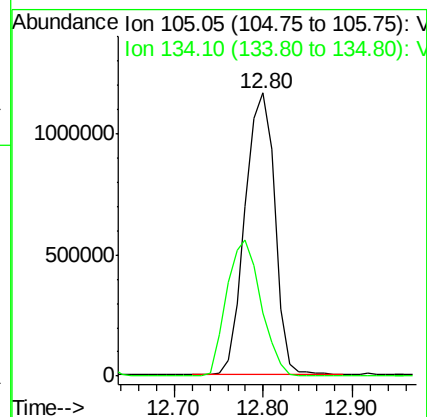
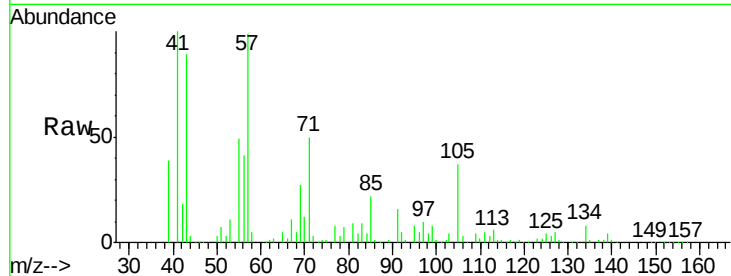
134 22.3 8.1 24.3

Manual Integrations

APPROVED

apatel

6/24/2018 11:57:08 AM



#89

n-Butylbenzene

Concen: 69.55 ug/l

RT: 13.22 min Scan# 1320

Delta R.T. 0.02 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Tgt Ion: 91 Resp: 1239759

Ion Ratio Lower Upper

91 100

92 51.5 29.2 87.6

134 25.2 11.3 33.8

