

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061818\
 Data File : VD058191.D
 Acq On : 18 Jun 2018 19:59
 Operator : VA/AP
 Sample : J3523-05
 Misc : 4.78q/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(D)

Manual Integrations
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 6/19/2018 11:39:49 AM

Quant Time: Jun 19 07:14:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	588282	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	739492	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.69	117	479879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	150961	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	325742	55.39	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	110.78%	
35) Dibromofluoromethane	5.54	113	313827	54.85	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	109.70%	
50) Toluene-d8	8.70	98	589756	43.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.72%	
62) 4-Bromofluorobenzene	11.93	95	198790	33.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	67.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.60	43	112783	133.10	ug/l	98
17) Carbon Disulfide	2.75	76	15643	1.83	ug/l	97
25) 2-Butanone	4.83	43	59798	31.05	ug/l	95
31) Cyclohexane	5.58	56	164524	16.09	ug/l	94
39) Methylcyclohexane	7.27	83	241410	29.89	ug/l	96
40) Benzene	6.00	78	126637	6.65	ug/l	92
52) Toluene	8.80	92	46183	4.23	ug/l	96
67) Ethyl Benzene	10.86	91	29025	1.65	ug/l	100
68) m/p-Xylenes	11.01	106	49790	8.70	ug/l	96
69) o-Xylene	11.40	106	17041	3.00	ug/l	97
73) Isopropylbenzene	11.77	105	89583	8.96	ug/l	94
78) n-propylbenzene	12.15	91	155563	11.96	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	83683	10.73	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	145054	17.30	ug/l	95
85) sec-Butylbenzene	12.76	105	21592	2.03	ug/l	92
89) n-Butylbenzene	13.19	91	41655m	1.10	ug/l	
95) Naphthalene	14.52	128	23017	4.72	ug/l #	93

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

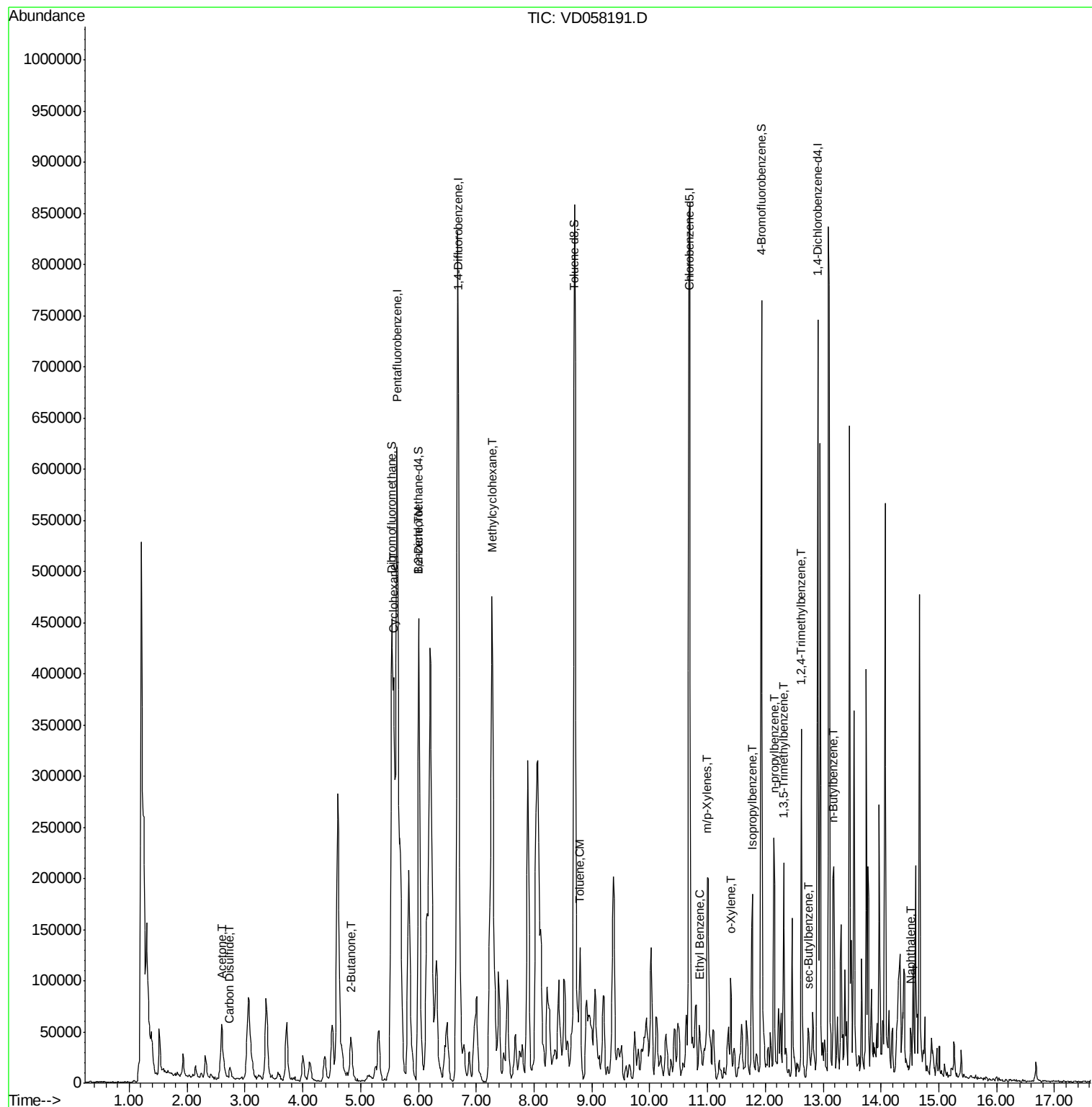
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061818\
Data File : VD058191.D
Acq On : 18 Jun 2018 19:59
Operator : VA/AP
Sample : J3523-05
Misc : 4.78g/5ml/MSVOA D/SOIL
ALS Vial : 18 Sample Multiplier: 1

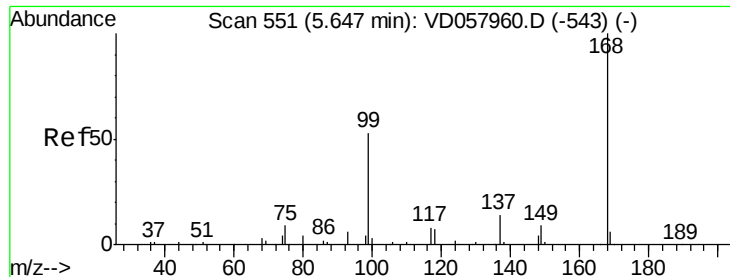
Instrument :
MSVOA_D
ClientSampleID :
AREA1(D)

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Quant Time: Jun 19 07:14:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD058191.D

Acq: 18 Jun 2018 19:59

Instrument :

MSVOA_D

ClientSampleId :

AREA1(D)

Tot Ion:168 Resp: 588282

Ion Ratio Lower Upper

168 100

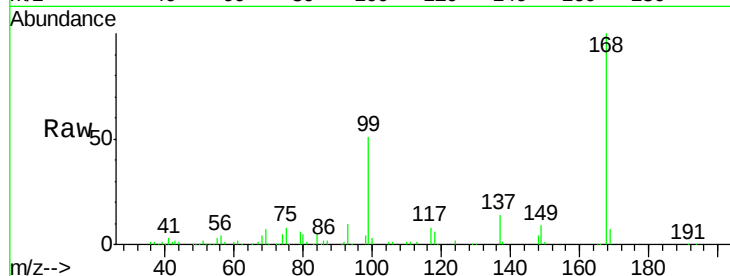
99 51.3 46.8 70.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

200000

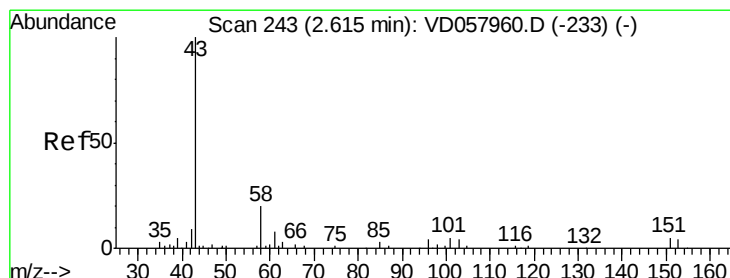
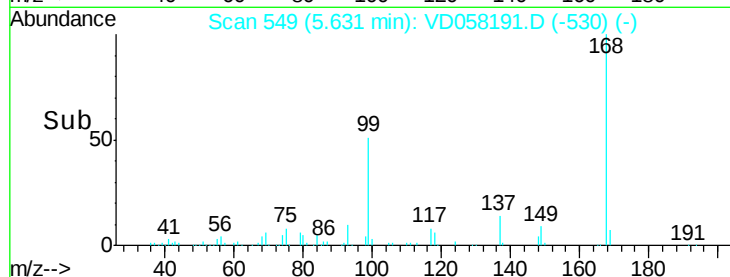
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 133.10 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD058191.D

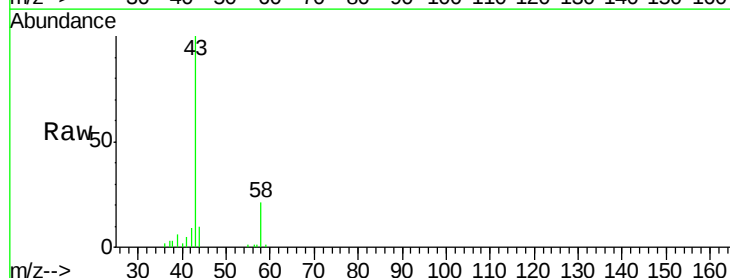
Acq: 18 Jun 2018 19:59

Tgt Ion: 43 Resp: 112783

Ion Ratio Lower Upper

43 100

58 20.7 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.60

40000

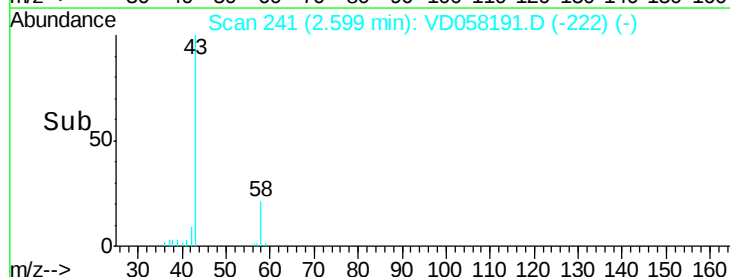
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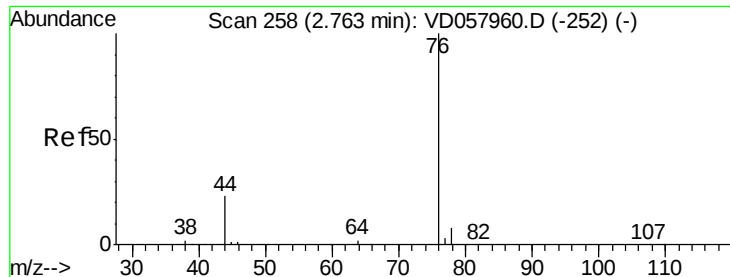
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10000

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Time-->





#17

Carbon Disulfide

Concen: 1.83 ug/l

RT: 2.75 min Scan# 256

Delta R.T. -0.02 min

Lab File: VD058191.D

Acq: 18 Jun 2018 19:59

Instrument :

MSVOA_D

ClientSampleId :

AREA1(D)

Tot Ion: 76 Resp: 15643

Ion Ratio Lower Upper

76 100

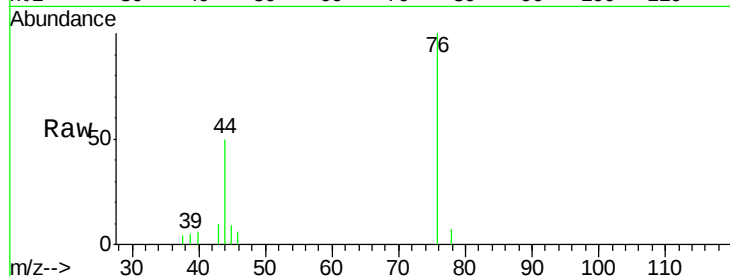
78 7.5 6.7 10.1

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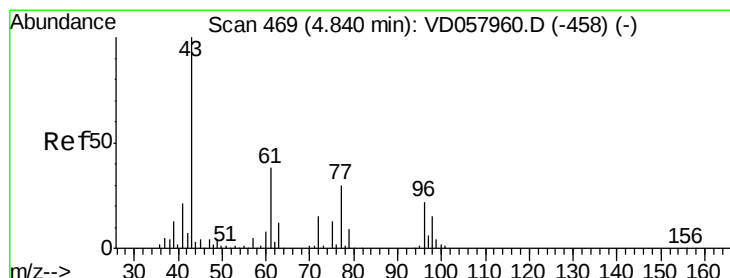
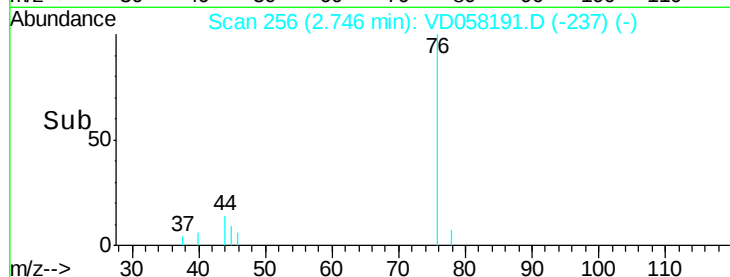
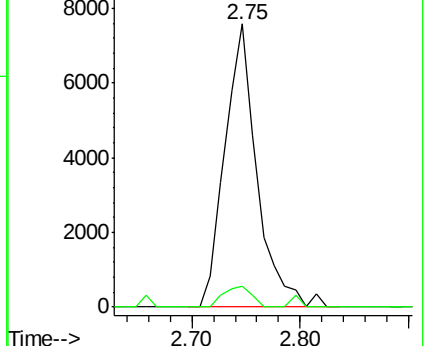
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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#25

2-Butanone

Concen: 31.05 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD058191.D

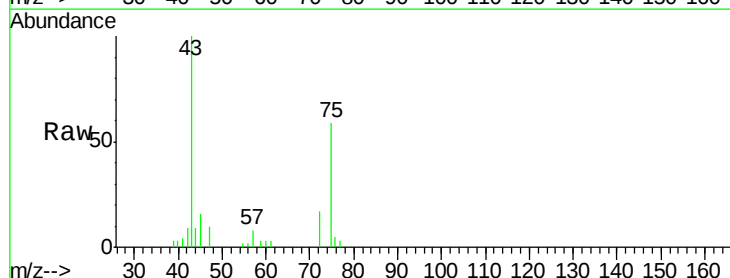
Acq: 18 Jun 2018 19:59

Tgt Ion: 43 Resp: 59798

Ion Ratio Lower Upper

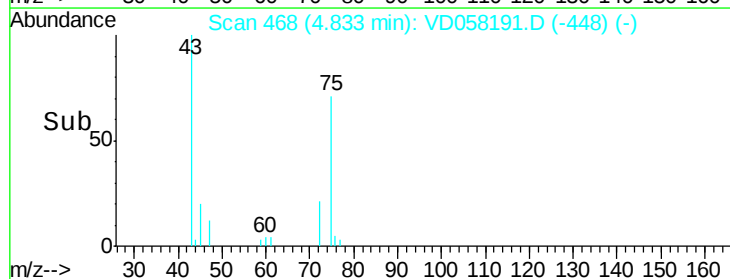
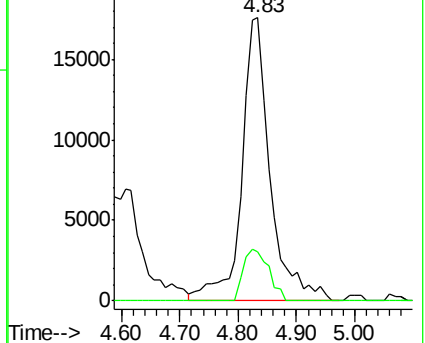
43 100

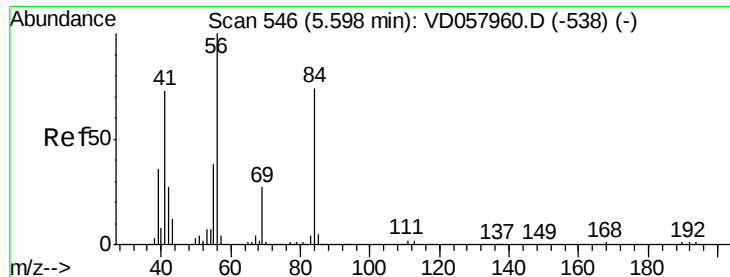
72 17.2 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





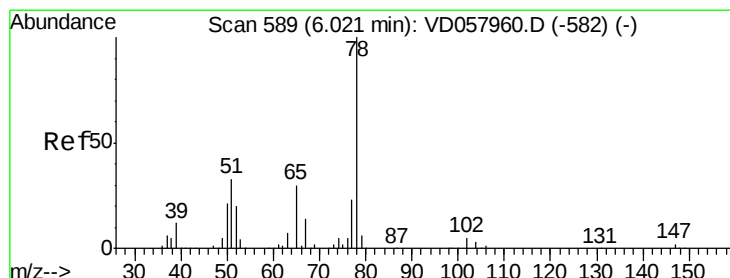
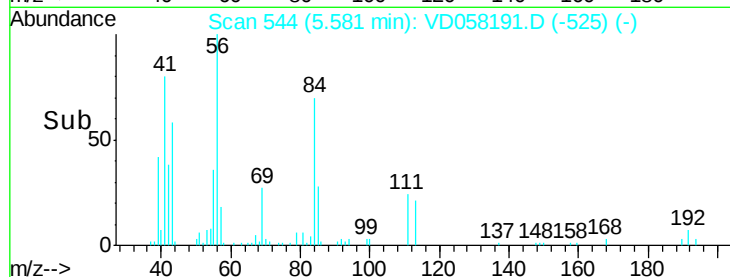
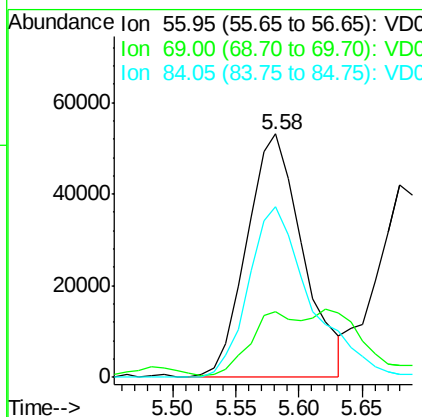
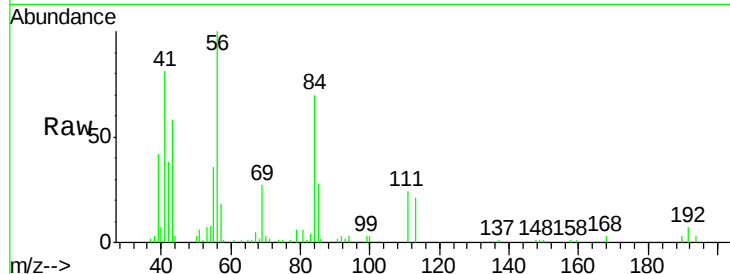
#31
Cyclohexane
Concen: 16.09 ug/l
RT: 5.58 min Scan# 544
Delta R.T. -0.02 min
Lab File: VD058191.D
Acq: 18 Jun 2018 19:59

Instrument :
MSVOA_D
ClientSampleId :
AREA1(D)

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.9	21.5	32.3
84	69.9	61.0	91.6

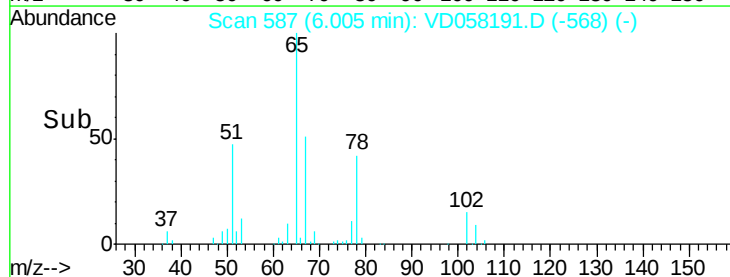
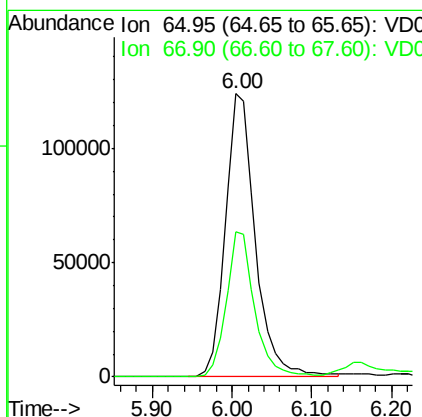
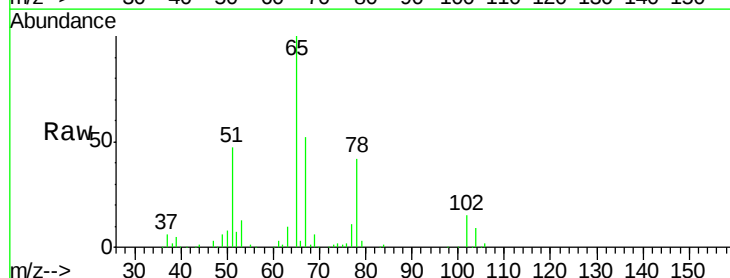
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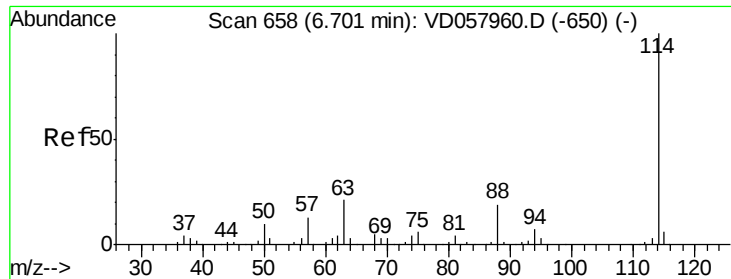
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#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.02 min
Lab File: VD058191.D
Acq: 18 Jun 2018 19:59

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	94.0





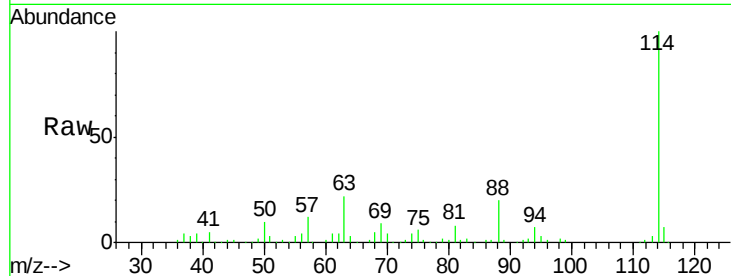
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD058191.D
 Acq: 18 Jun 2018 19:59

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(D)

Tot Ion	Ratio	Resp	Lower	Upper
114	100	739492		
63	21.8	0.0	42.8	
88	20.0	0.0	37.8	

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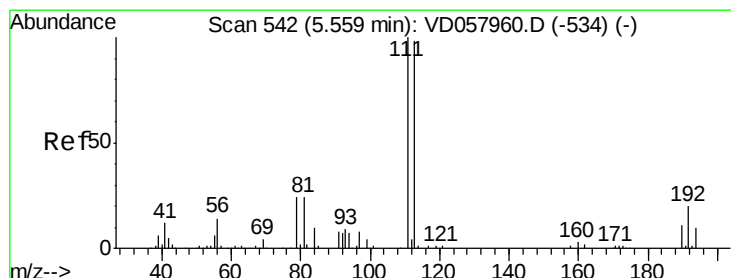
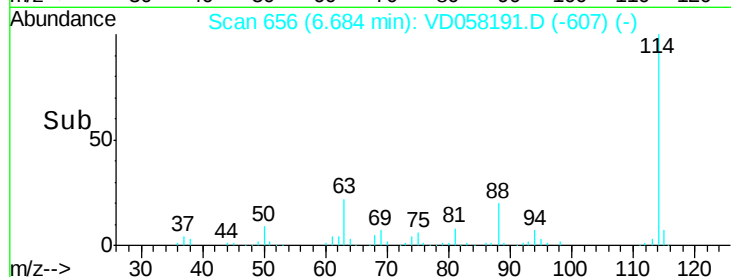
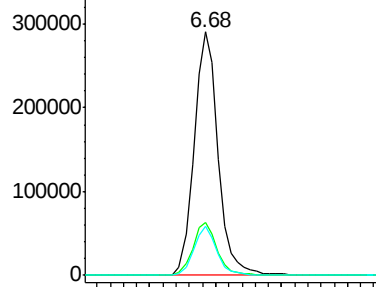
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Abundance Ion 114.00 (113.70 to 114.70): V

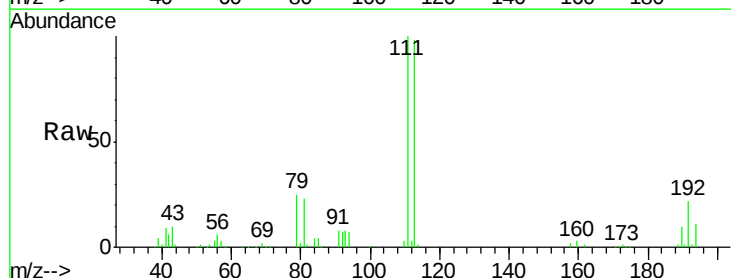
Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: VD058191.D
 Acq: 18 Jun 2018 19:59

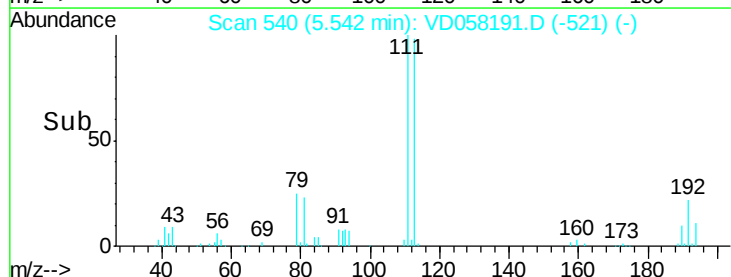
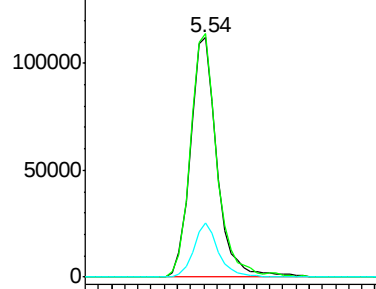
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	313827		
111	101.7	81.5	122.3	
192	22.8	16.4	24.6	

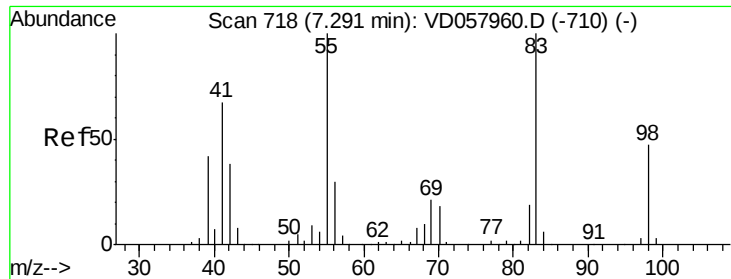


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





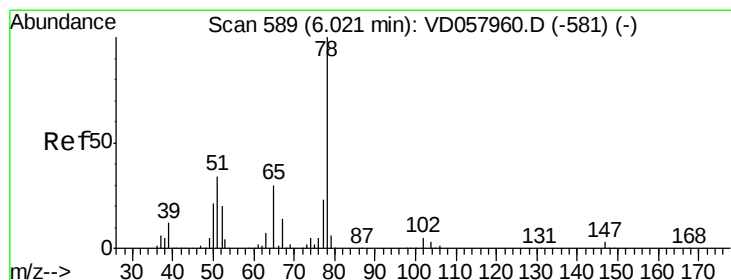
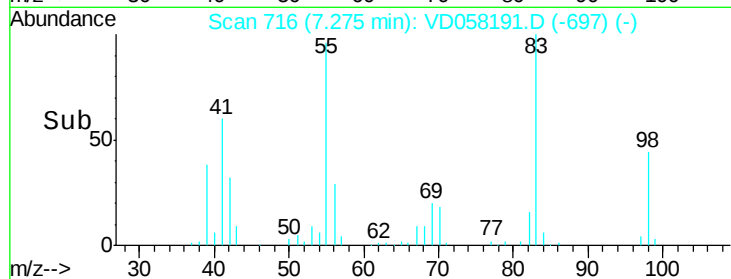
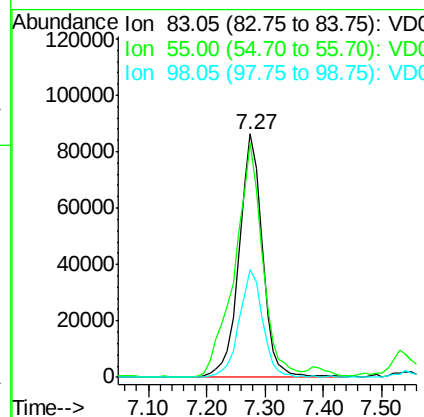
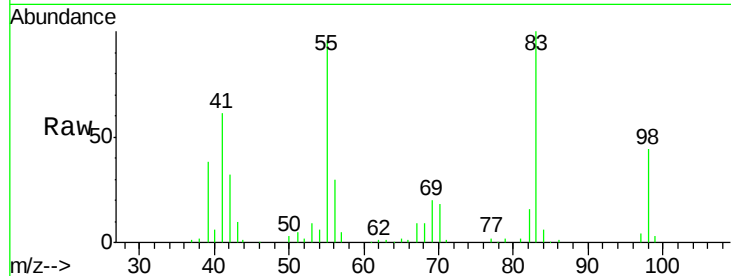
#39
Methylcyclohexane
Concen: 29.89 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.02 min
Lab File: VD058191.D
Acq: 18 Jun 2018 19:59

Instrument :
MSVOA_D
ClientSampleId :
AREA1(D)

Tot Ion	Ratio	Lower	Upper
83	100		
55	96.4	80.3	120.5
98	44.1	38.0	57.0

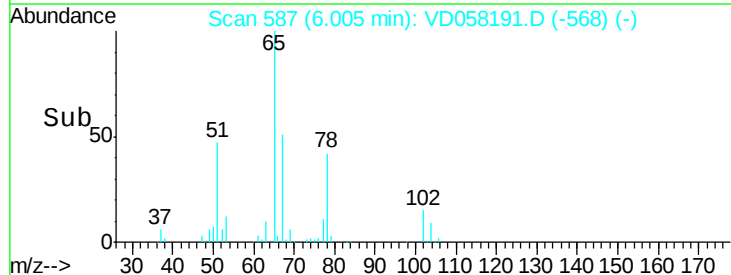
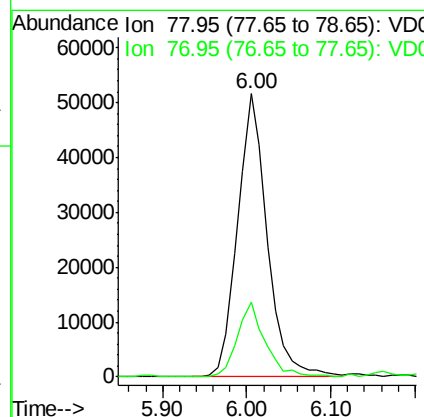
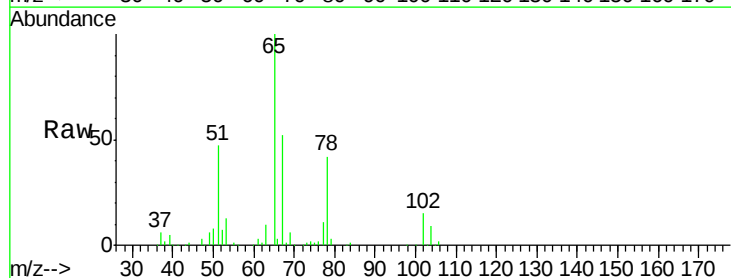
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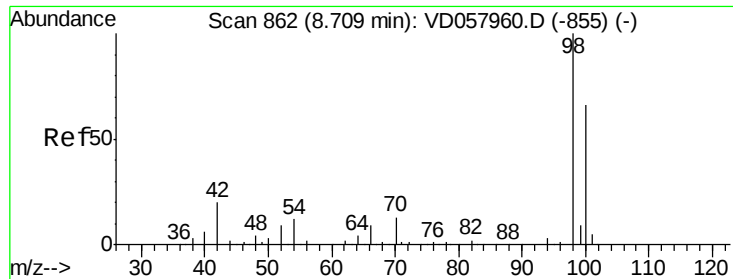
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#40
Benzene
Concen: 6.65 ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.02 min
Lab File: VD058191.D
Acq: 18 Jun 2018 19:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.5	18.1	27.1





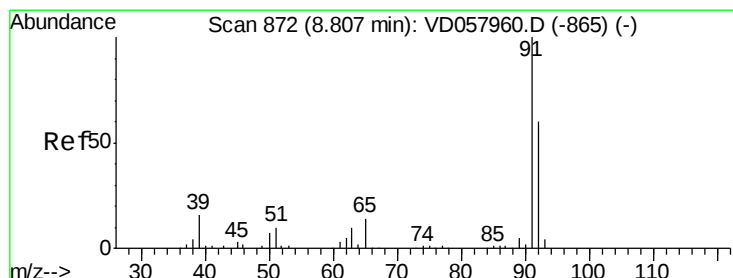
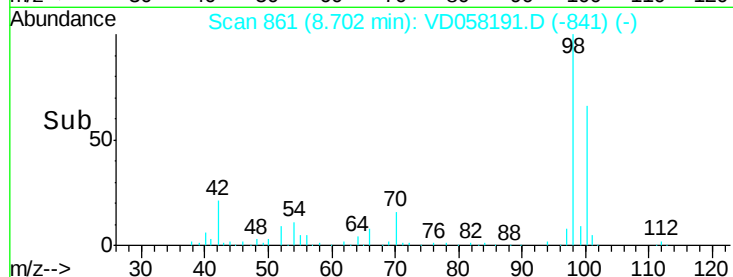
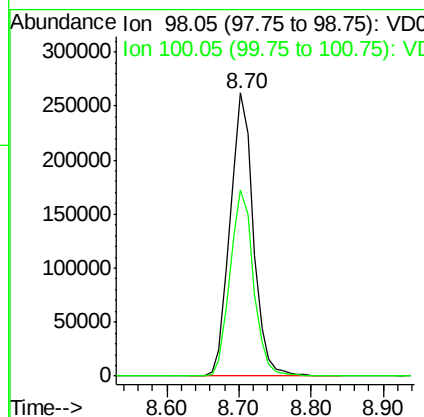
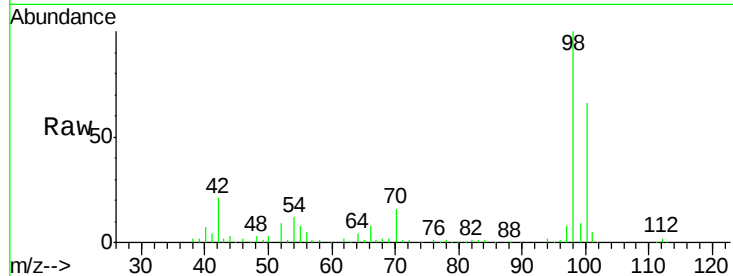
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058191.D
Acq: 18 Jun 2018 19:59

Instrument :
MSVOA_D
ClientSampleId :
AREA1(D)

Tot Ion: 98 Resp: 589756
Ion Ratio Lower Upper
98 100
100 65.7 53.4 80.0

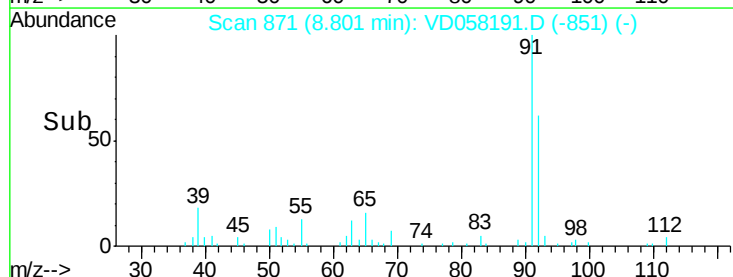
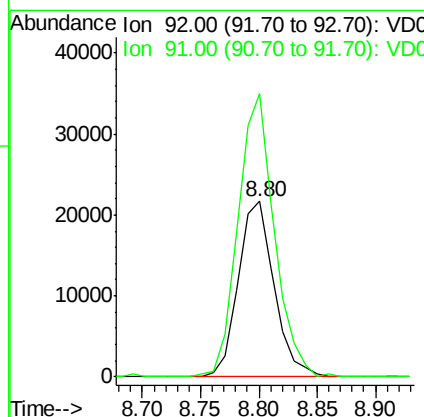
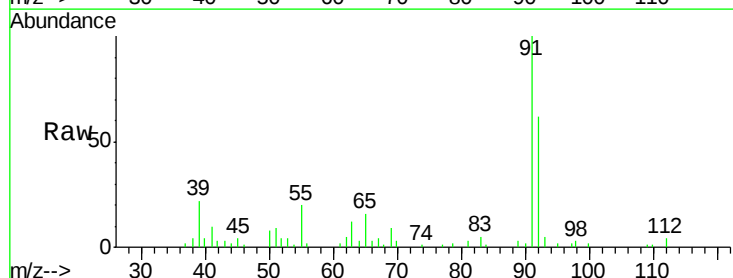
Manual Integrations
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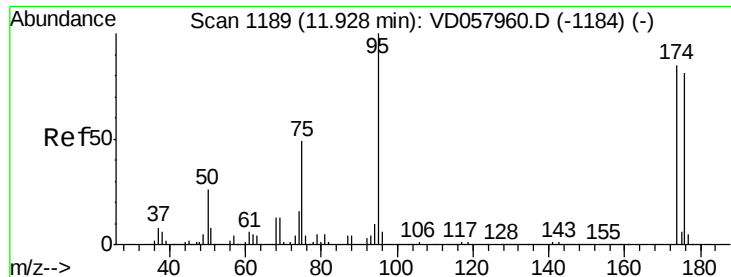
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#52
Toluene
Concen: 4.23 ug/l
RT: 8.80 min Scan# 871
Delta R.T. -0.01 min
Lab File: VD058191.D
Acq: 18 Jun 2018 19:59

Tgt Ion: 92 Resp: 46183
Ion Ratio Lower Upper
92 100
91 161.3 133.0 199.6





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058191.D

Acq: 18 Jun 2018 19:59

Instrument :

MSVOA_D

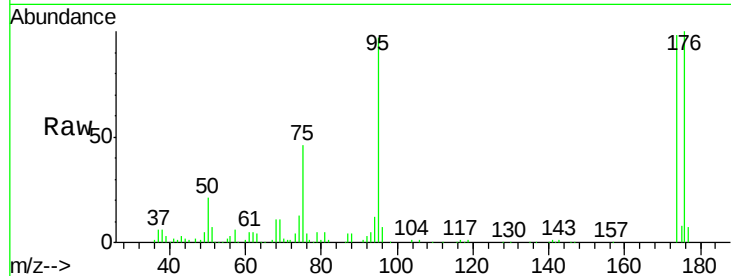
ClientSampleId :

AREA1(D)

Tot Ion:	95	Resp:	198790
Ion Ratio	Lower	Upper	
95	100		
174	101.1	0.0	169.4
176	102.7	0.0	162.6

Manual Integrations
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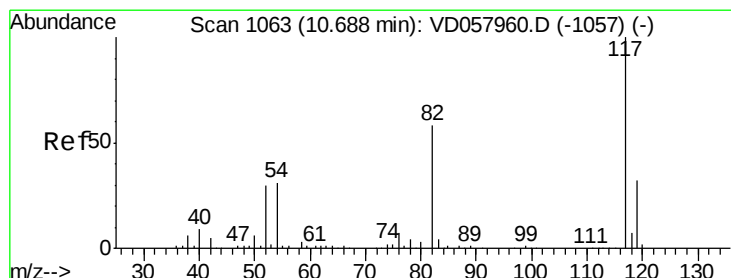
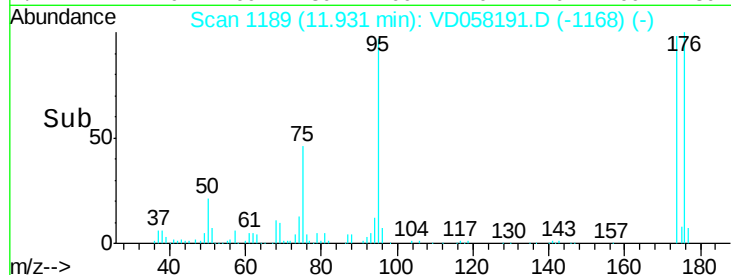
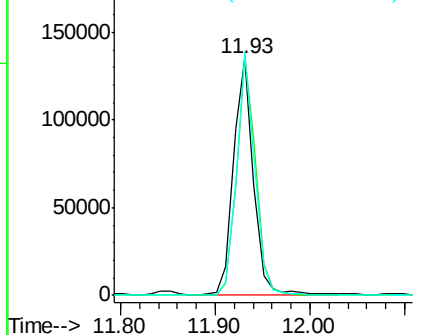
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Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

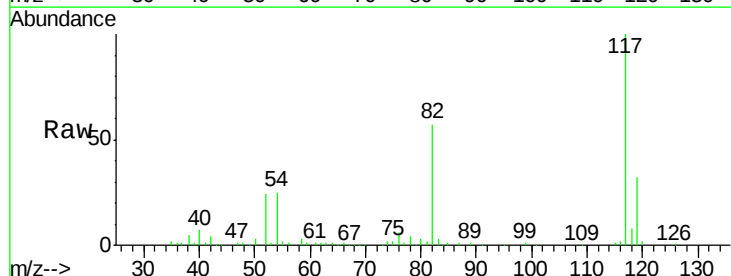
RT: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058191.D

Acq: 18 Jun 2018 19:59

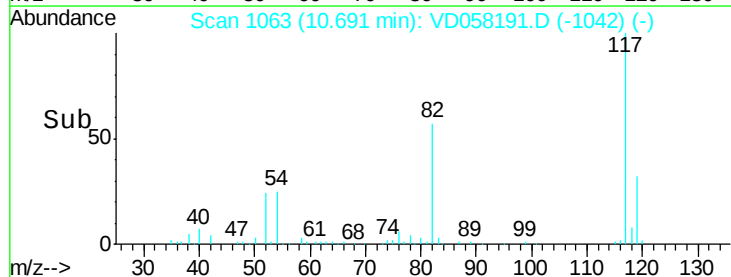
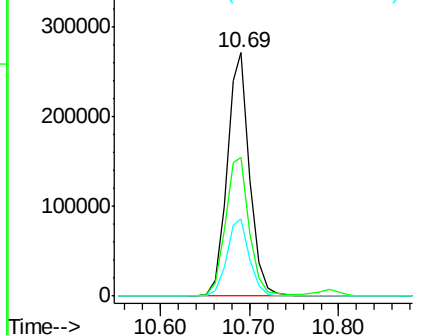
Tgt Ion:	117	Resp:	479879
Ion Ratio	Lower	Upper	
117	100		
82	57.0	46.8	70.2
119	31.7	25.8	38.6

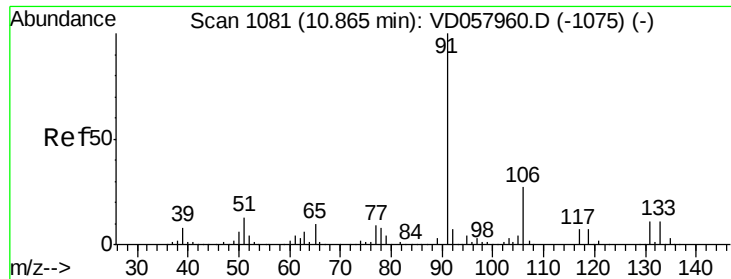


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#67

Ethyl Benzene

Concen: 1.65 ug/l

RT: 10.86 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VD058191.D

Acq: 18 Jun 2018 19:59

Instrument :

MSVOA_D

ClientSampleId :

AREA1(D)

Tot Ion: 91 Resp: 29025

Ion Ratio Lower Upper

91 100

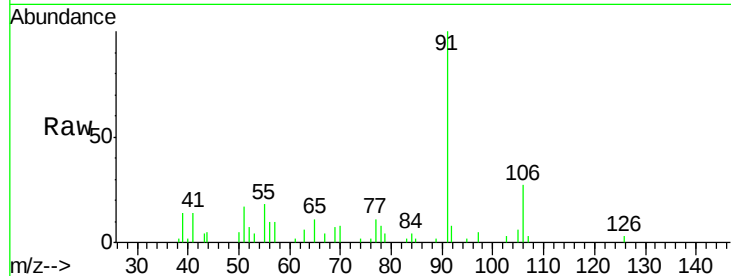
106 26.9 21.5 32.3

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Abundance Ion 91.00 (90.70 to 91.70): VD057960.D (-1075) (-)

Ion 106.05 (105.75 to 106.75): VD057960.D (-1075) (-)

20000

15000

10000

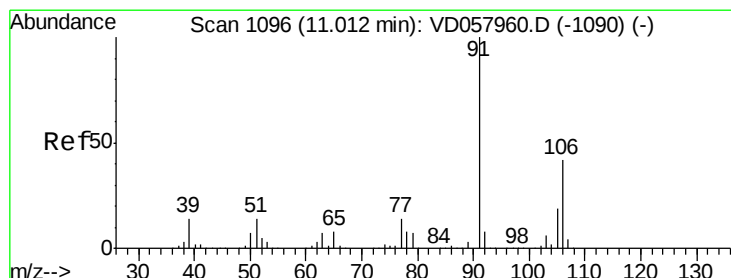
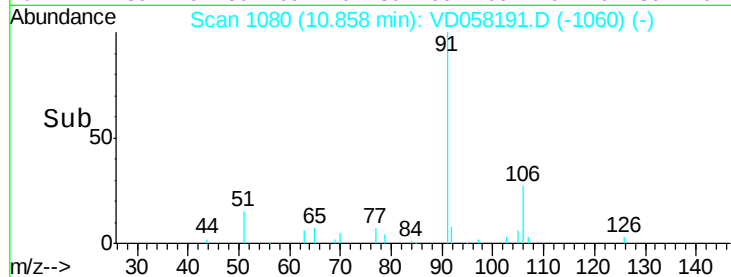
5000

0

10.80

10.90

Time-->



#68

m/p-Xylenes

Concen: 8.70 ug/l

RT: 11.01 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VD058191.D

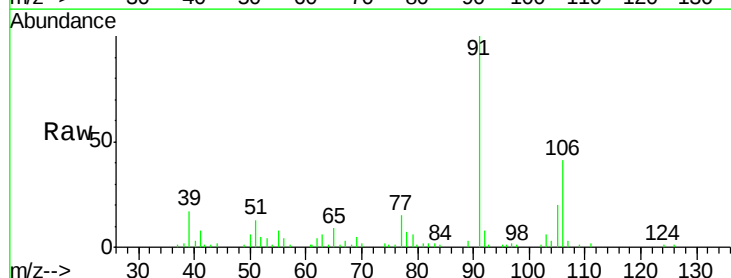
Acq: 18 Jun 2018 19:59

Tgt Ion: 106 Resp: 49790

Ion Ratio Lower Upper

106 100

91 245.3 190.4 285.6



Abundance Ion 106.05 (105.75 to 106.75): VD057960.D (-1090) (-)

Ion 91.00 (90.70 to 91.70): VD057960.D (-1090) (-)

60000

40000

20000

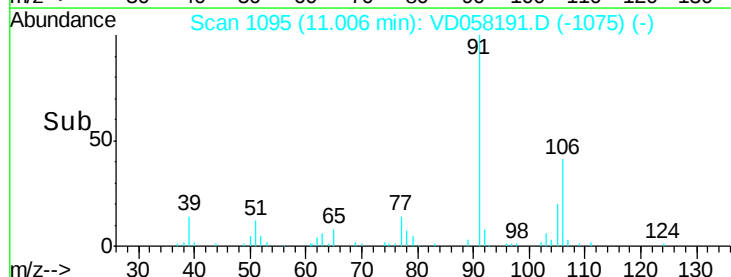
0

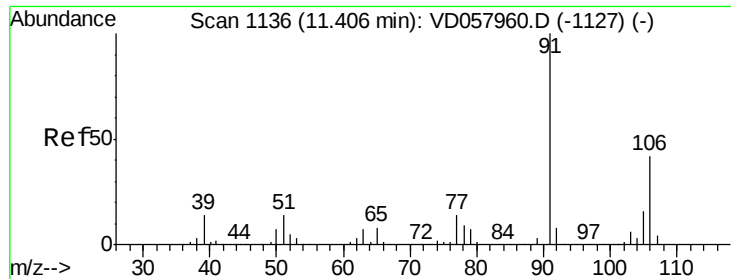
10.90

11.00

11.10

Time-->





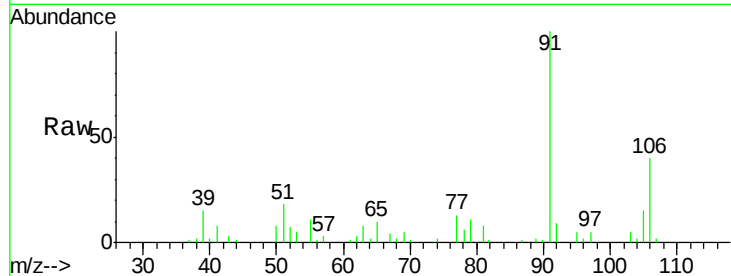
#69
o-Xylene
Concen: 3.00 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058191.D
Acq: 18 Jun 2018 19:59

Instrument :
MSVOA_D
ClientSampleID :
AREA1(D)

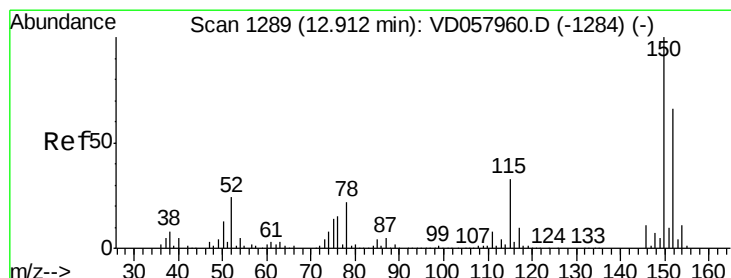
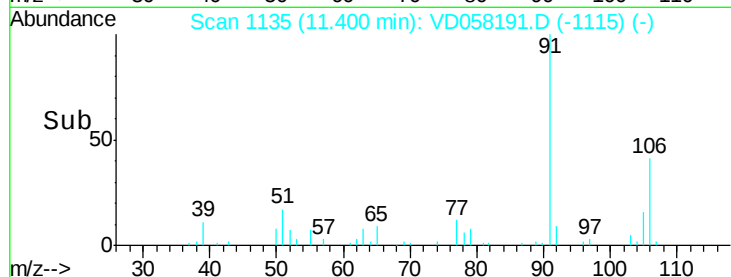
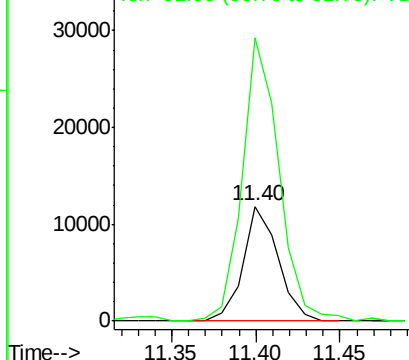
Tot Ion:106 Resp: 17041
Ion Ratio Lower Upper
106 100
91 247.0 120.6 361.7

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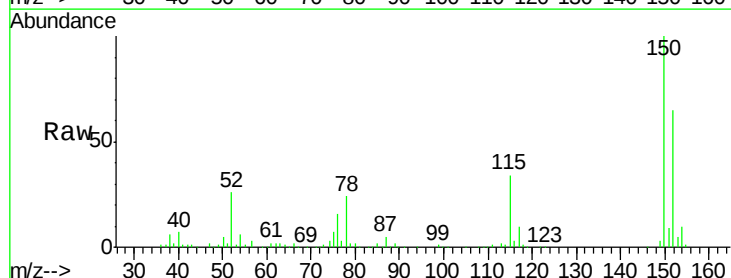


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

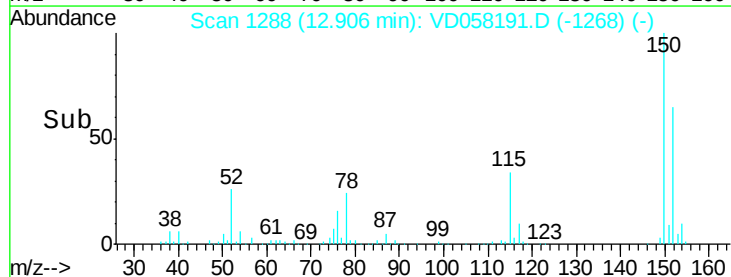
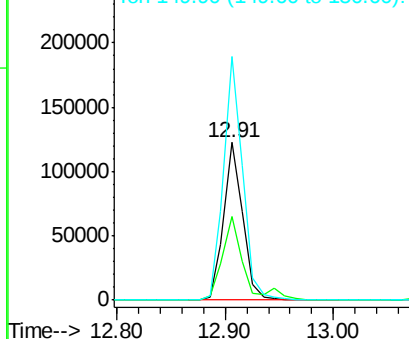


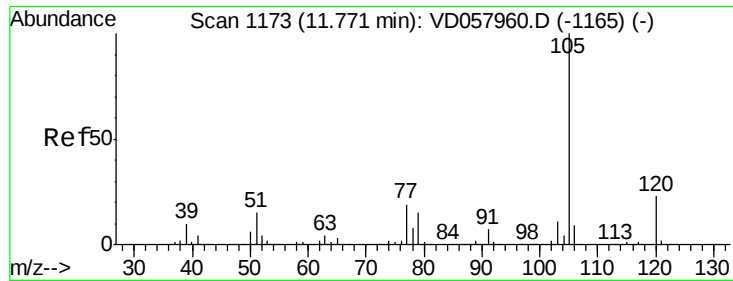
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058191.D
Acq: 18 Jun 2018 19:59

Tgt Ion:152 Resp: 150961
Ion Ratio Lower Upper
152 100
115 52.7 25.6 76.6
150 154.6 0.0 306.8



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: 8.96 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD058191.D

Acq: 18 Jun 2018 19:59

Instrument :

MSVOA_D

ClientSampleId :

AREA1(D)

Tot Ion: 105 Resp: 89583

Ion Ratio Lower Upper

105 100

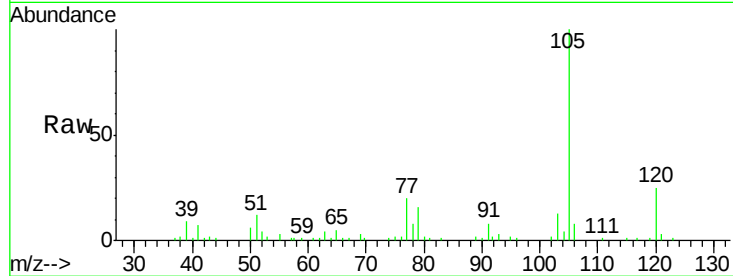
120 25.4 11.3 33.9

Manual Integrations

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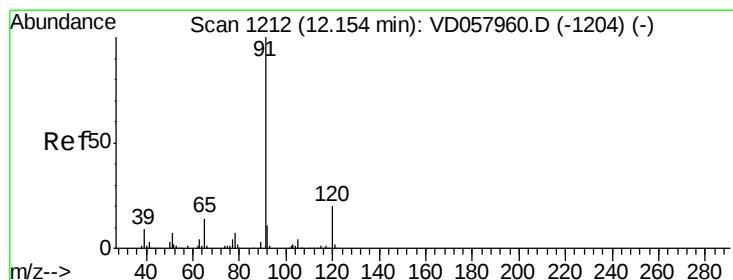
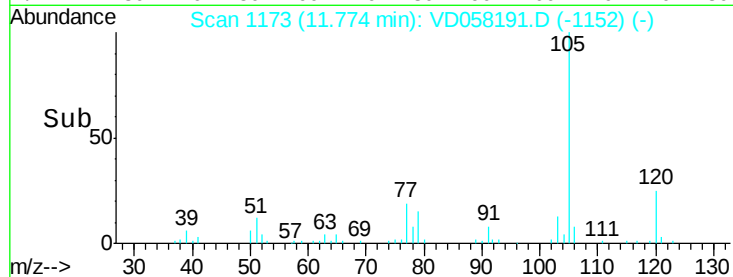
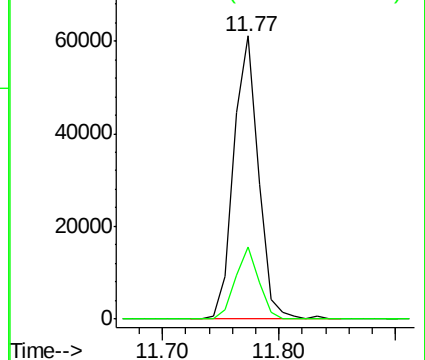
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#78

n-propylbenzene

Concen: 11.96 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD058191.D

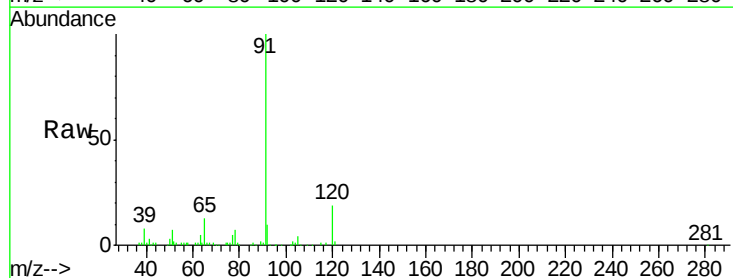
Acq: 18 Jun 2018 19:59

Tgt Ion: 91 Resp: 155563

Ion Ratio Lower Upper

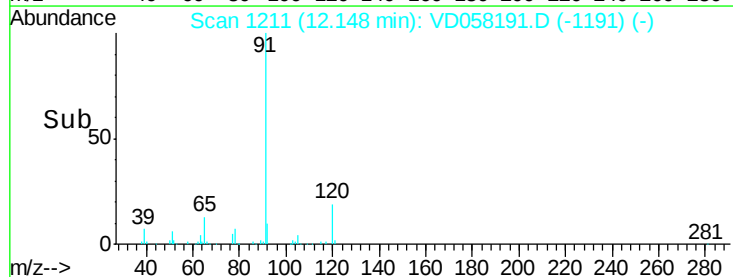
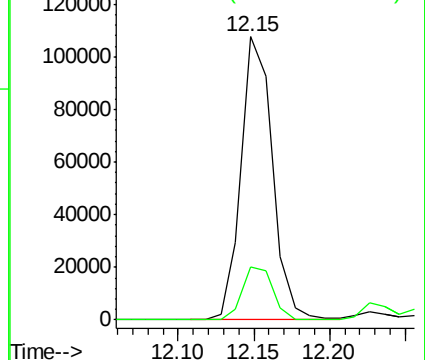
91 100

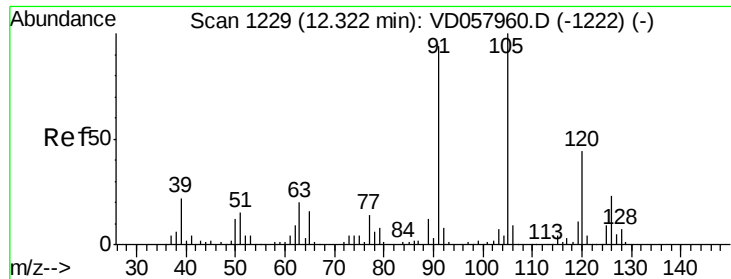
120 18.9 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





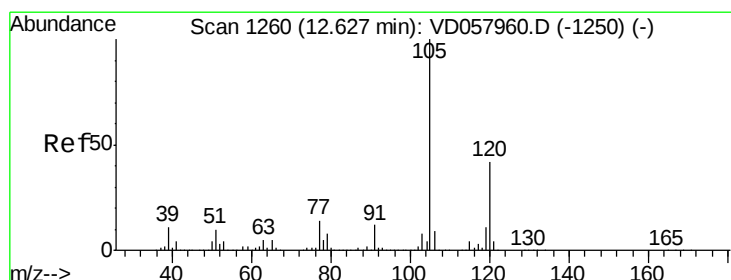
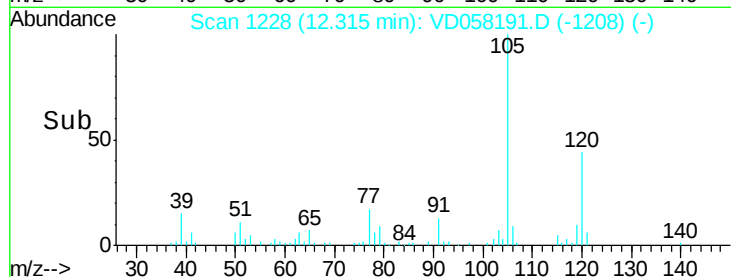
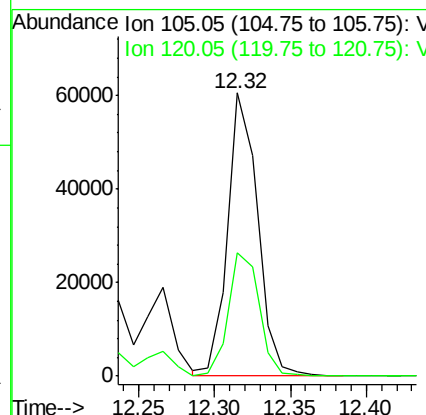
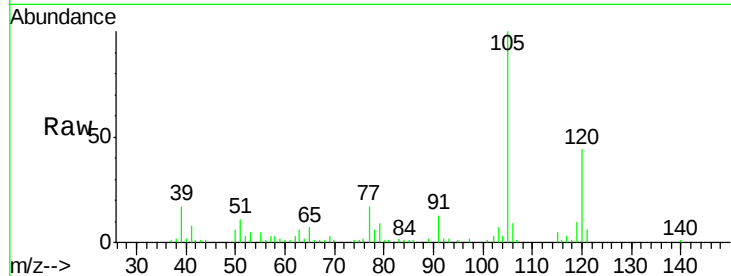
#80
 1,3,5-Trimethylbenzene
 Concen: 10.73 ug/l
 RT: 12.32 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD058191.D
 Acq: 18 Jun 2018 19:59

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(D)

Tot Ion:105 Resp: 83683
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.0 66.0

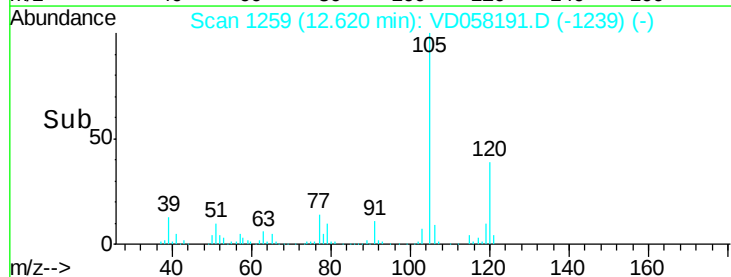
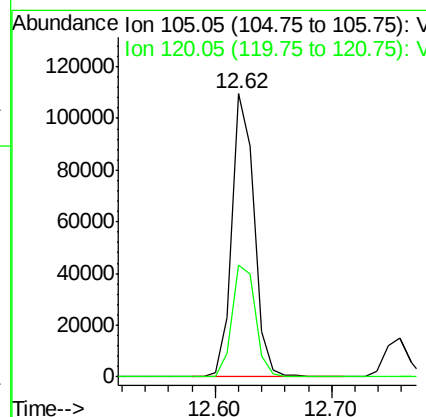
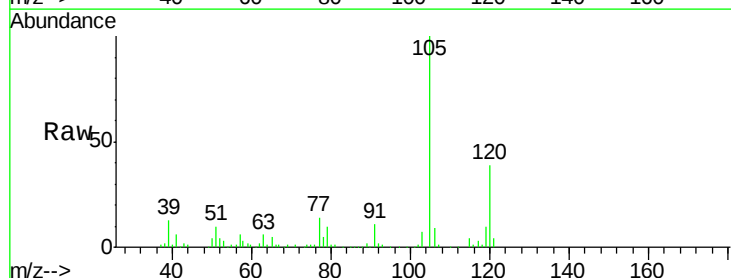
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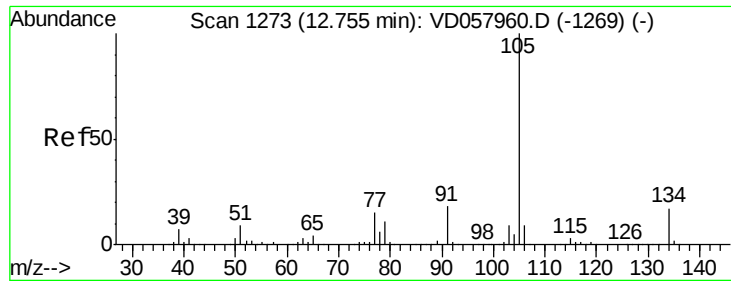
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.30 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD058191.D
 Acq: 18 Jun 2018 19:59

Tgt Ion:105 Resp: 145054
 Ion Ratio Lower Upper
 105 100
 120 39.4 21.2 63.6





#85

sec-Butylbenzene

Concen: 2.03 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD058191.D

Acq: 18 Jun 2018 19:59

Instrument :

MSVOA_D

ClientSampleId :

AREA1(D)

Tot Ion: 105 Resp: 21592

Ion Ratio Lower Upper

105 100

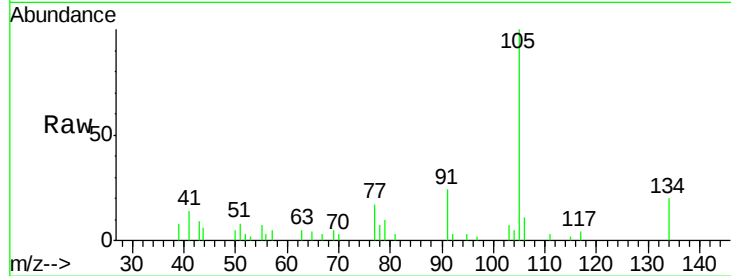
134 20.1 8.3 25.1

Manual Integrations

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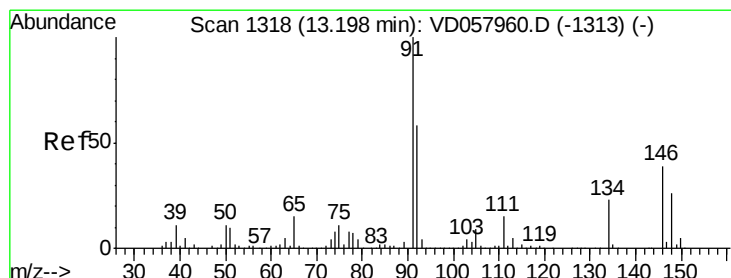
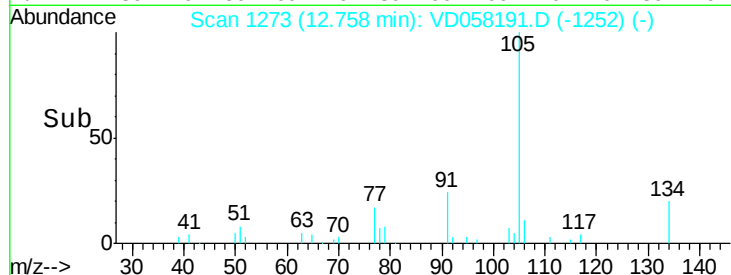
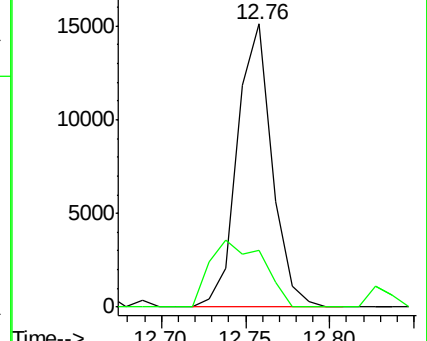
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#89

n-Butylbenzene

Concen: 1.10 ug/l m

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD058191.D

Acq: 18 Jun 2018 19:59

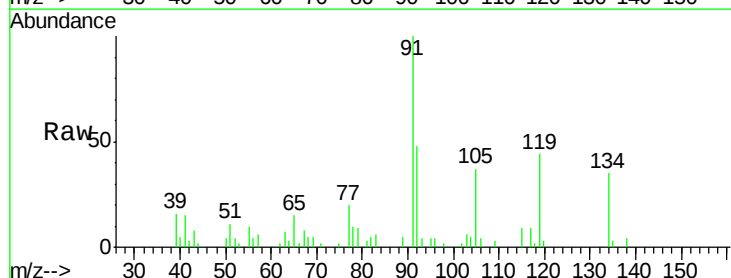
Tgt Ion: 91 Resp: 41655

Ion Ratio Lower Upper

91 100

92 47.8 29.2 87.6

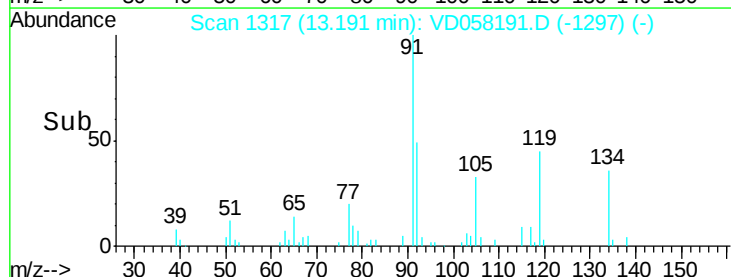
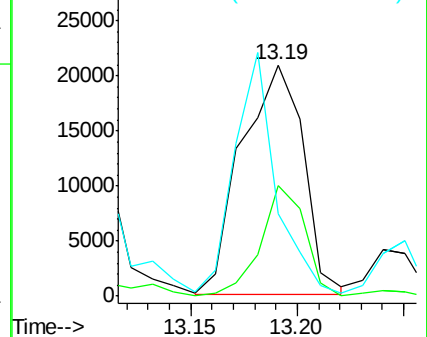
134 35.4 11.3 33.9#

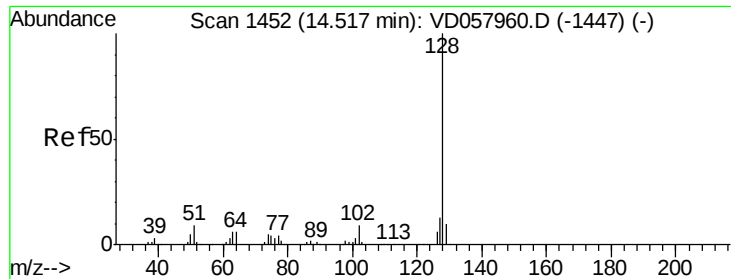


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V





#95
Naphthalene
Concen: 4.72 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD058191.D
Acq: 18 Jun 2018 19:59

Instrument :
MSVOA_D
ClientSampleId :
AREA1(D)

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.2	10.2	15.2#
129	12.8	8.2	12.2#

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