

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041219\
 Data File : VD061790.D
 Acq On : 12 Apr 2019 20:53
 Operator : VA/AP
 Sample : K2374-01
 Misc : 6.56g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-1(0-10)

Manual Integrations
 APPROVED

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 4/16/2019 12:41:38 AM

Quant Time: Apr 15 08:07:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	494261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	782103	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	622493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	235378	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	212032	56.60	ug/l	-0.02
Spiked Amount			Recovery	=	113.20%	
35) Dibromofluoromethane	6.90	113	302694	55.87	ug/l	-0.02
Spiked Amount			Recovery	=	111.74%	
50) Toluene-d8	10.40	98	671894	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	13.55	95	245905	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.20	43	63215	56.445	ug/l	96
17) Carbon Disulfide	3.37	76	50531	3.018	ug/l	98
20) Methylene Chloride	3.79	84	38346	6.034	ug/l	97
25) 2-Butanone	6.04	43	11565	8.957	ug/l #	81
39) Methylcyclohexane	8.85	83	15084	2.146	ug/l	90
73) Isopropylbenzene	13.39	105	24745	1.578	ug/l	92
78) n-propylbenzene	13.77	91	32830	1.750	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	117795	9.463	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	375613	29.897	ug/l	99
85) sec-Butylbenzene	14.37	105	62805	3.873	ug/l	97
89) n-Butylbenzene	14.79	91	40042m	3.275	ug/l	

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

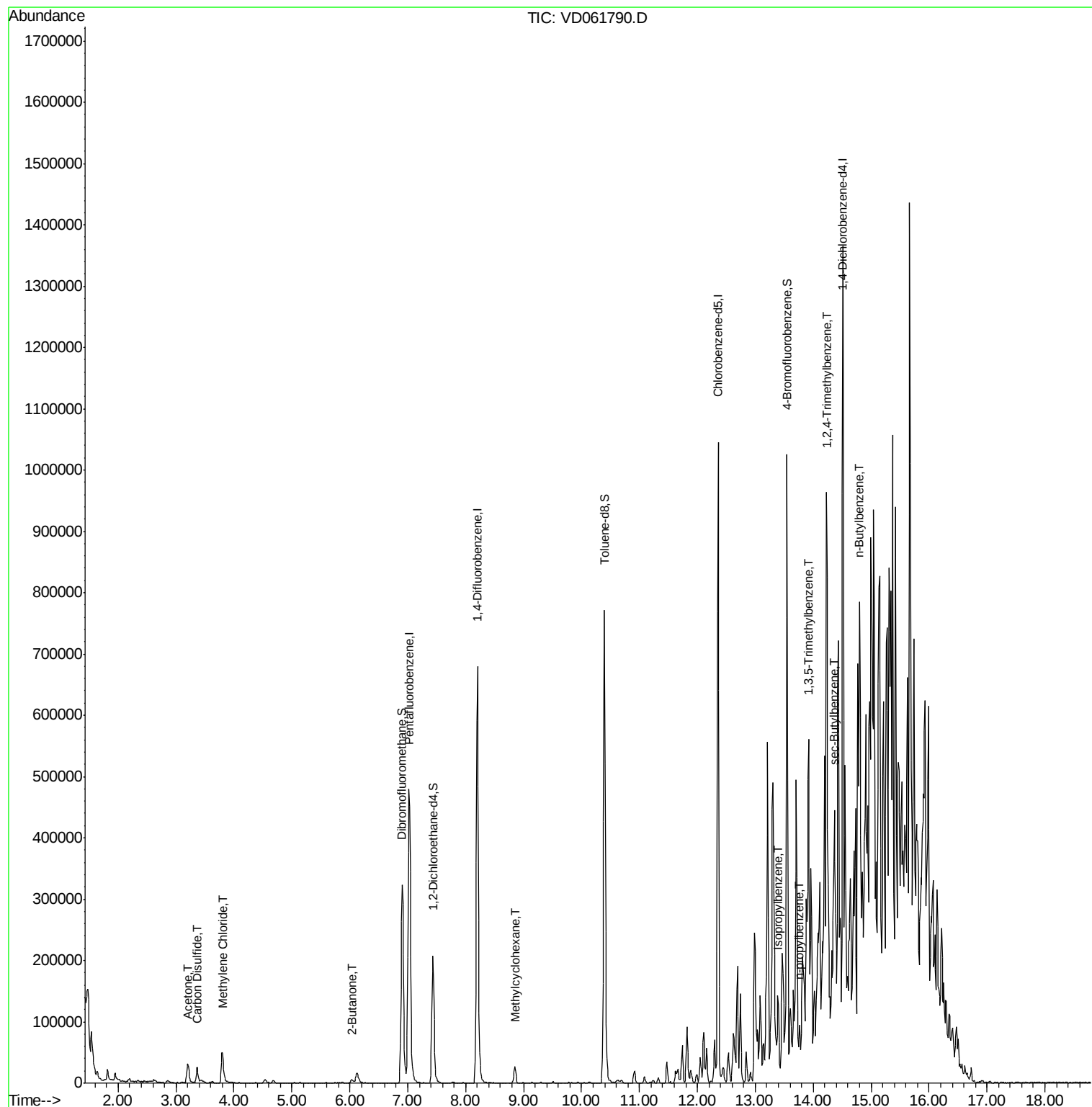
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041219\
Data File : VD061790.D
Acq On : 12 Apr 2019 20:53
Operator : VA/AP
Sample : K2374-01
Misc : 6.56g/5ml/MSVOA D/SOIL
ALS Vial : 22 Sample Multiplier: 1

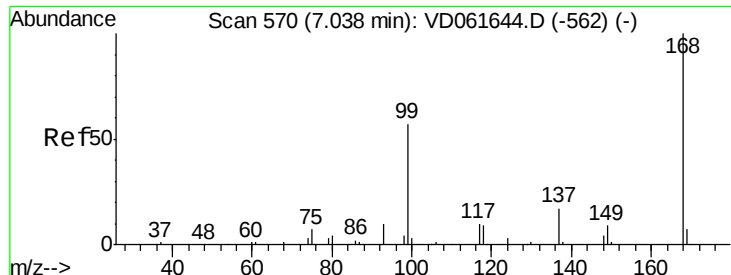
Instrument :
MSVOA_D
ClientSampleId :
P-1(0-10)

Manual Integrations
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Quant Time: Apr 15 08:07:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061790.D

Acq: 12 Apr 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

P-1(0-10)

Tot Ion:168 Resp: 494261

Ion Ratio Lower Upper

168 100

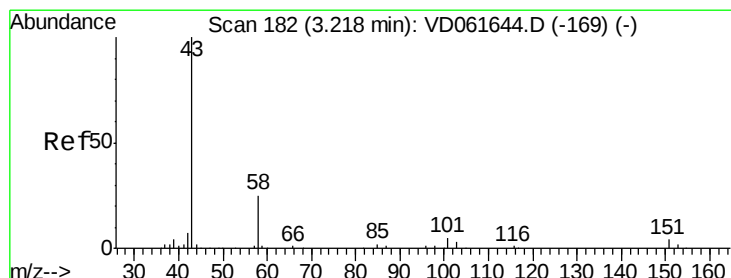
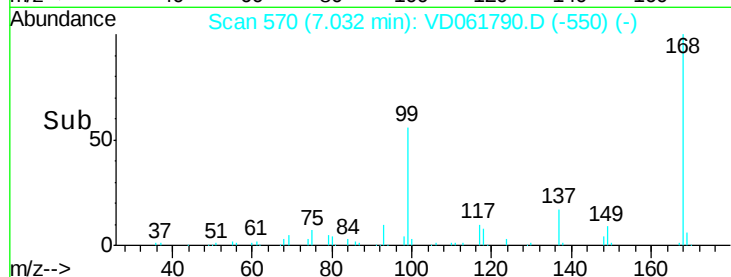
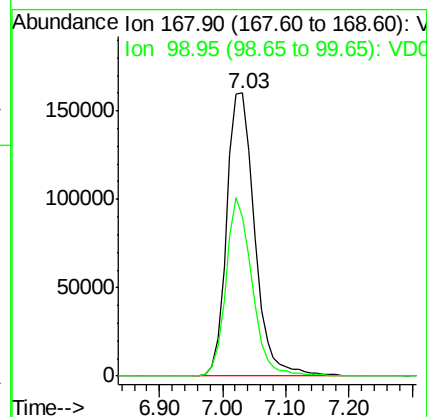
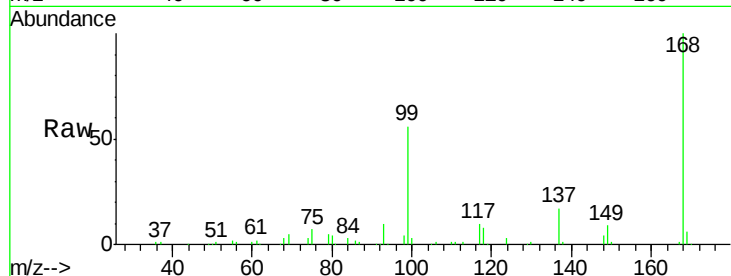
99 56.2 46.8 70.2

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#16

Acetone

Concen: 56.445 ug/l

RT: 3.20 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD061790.D

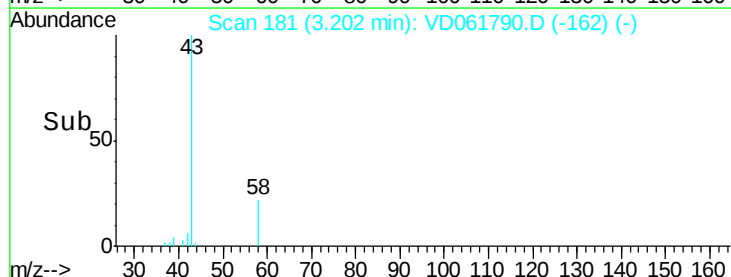
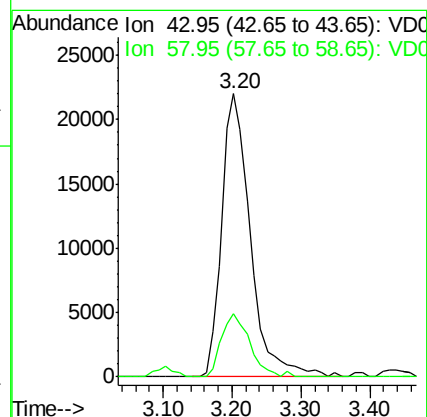
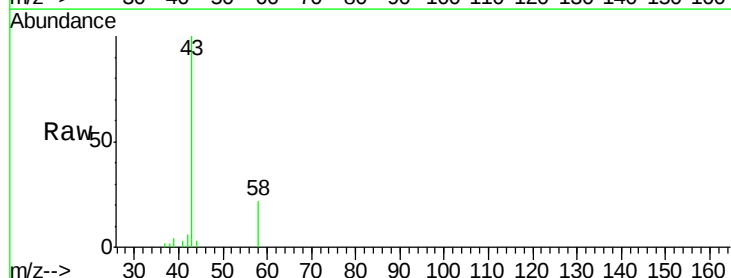
Acq: 12 Apr 2019 20:53

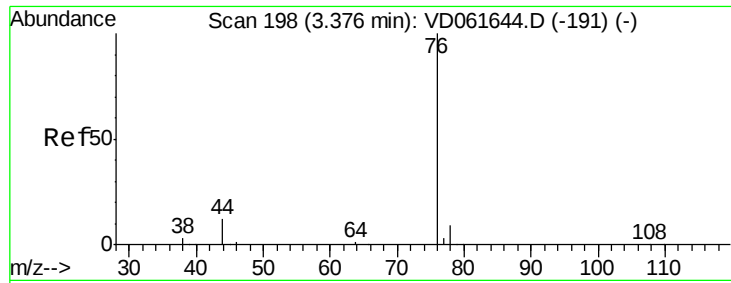
Tgt Ion: 43 Resp: 63215

Ion Ratio Lower Upper

43 100

58 22.4 19.7 29.5





#17

Carbon Disulfide

Concen: 3.018 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD061790.D

Acq: 12 Apr 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

P-1(0-10)

Tot Ion: 76 Resp: 50531

Ion Ratio Lower Upper

76 100

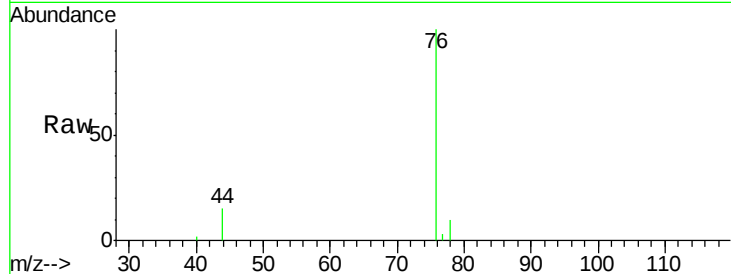
78 9.9 7.4 11.2

Manual Integrations

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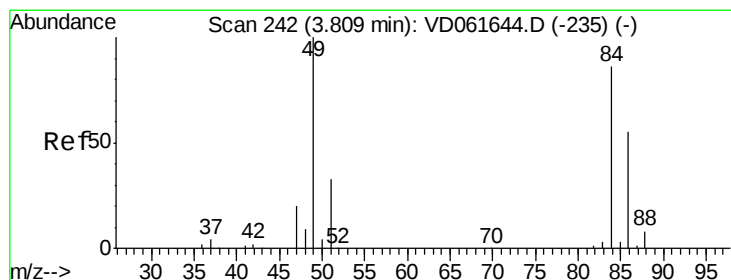
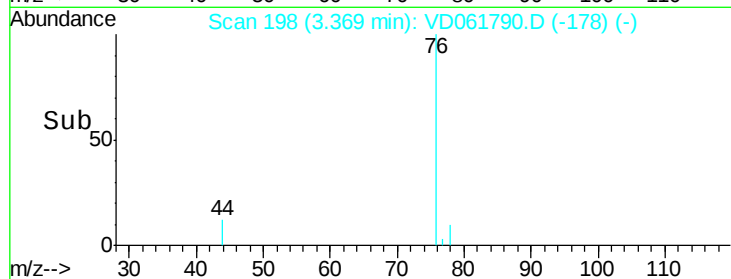
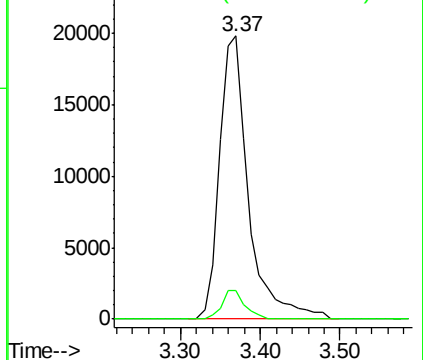
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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: 6.034 ug/l

RT: 3.79 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD061790.D

Acq: 12 Apr 2019 20:53

Tgt Ion: 84 Resp: 38346

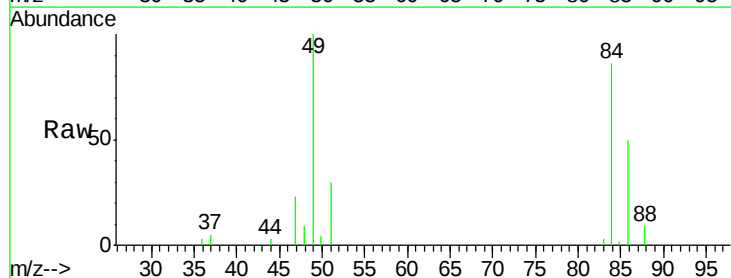
Ion Ratio Lower Upper

84 100

49 116.4 93.0 139.4

51 35.1 30.4 45.6

86 58.3 51.0 76.4

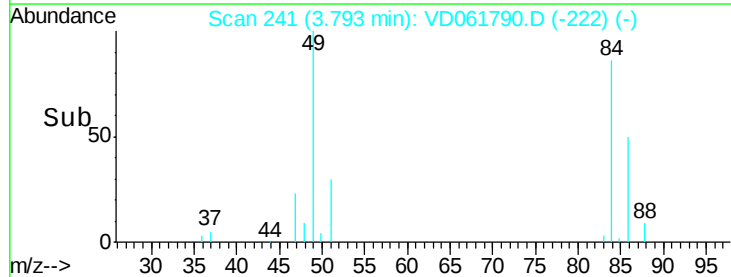
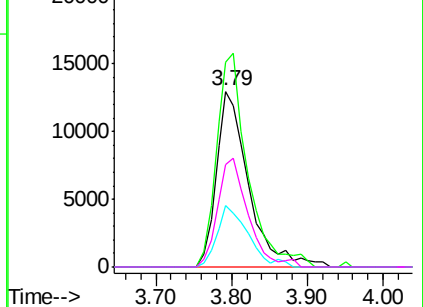


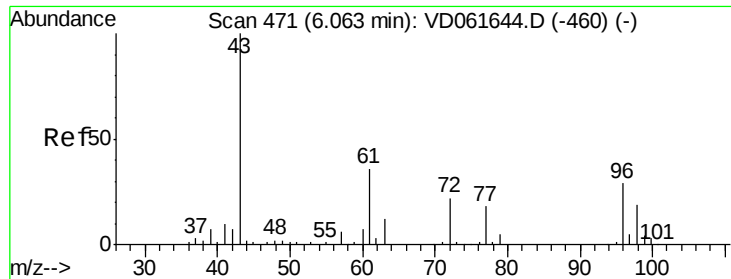
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 8.957 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.03 min

Lab File: VD061790.D

Acq: 12 Apr 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

P-1(0-10)

Tot Ion: 43 Resp: 11565

Ion Ratio Lower Upper

43 100

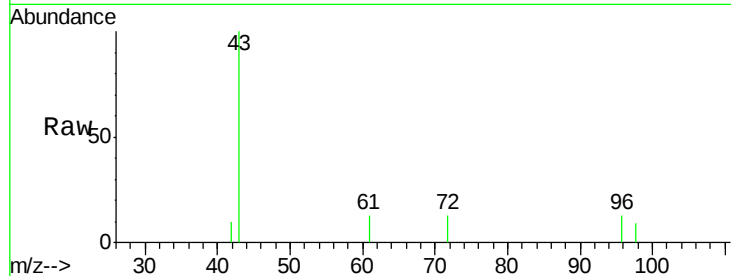
72 12.6 17.4 26.2#

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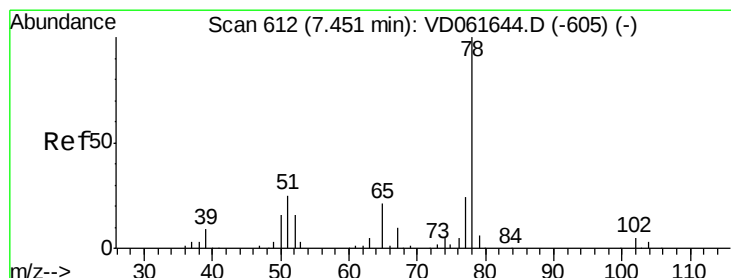
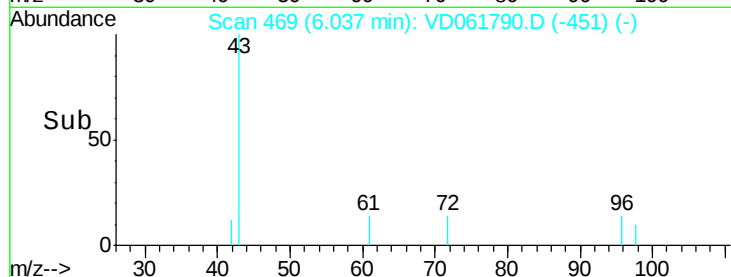
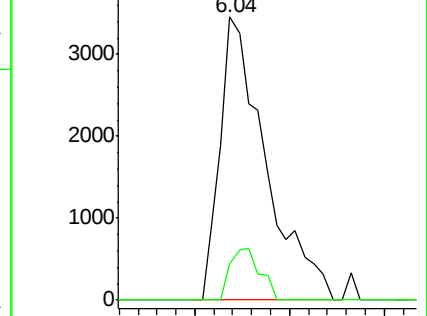
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD061790.D

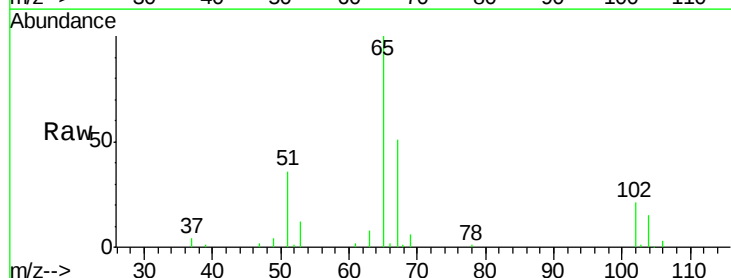
Acq: 12 Apr 2019 20:53

Tgt Ion: 65 Resp: 212032

Ion Ratio Lower Upper

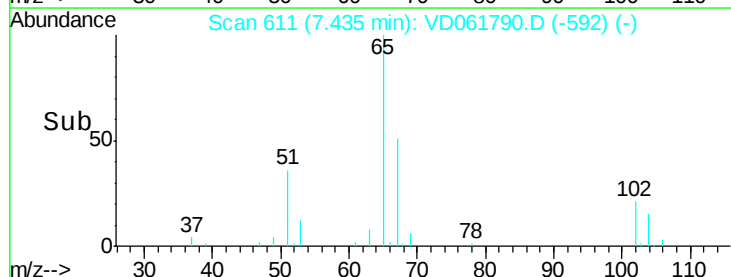
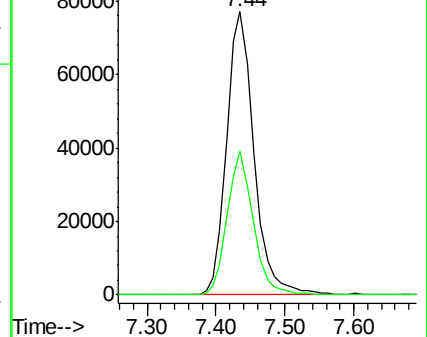
65 100

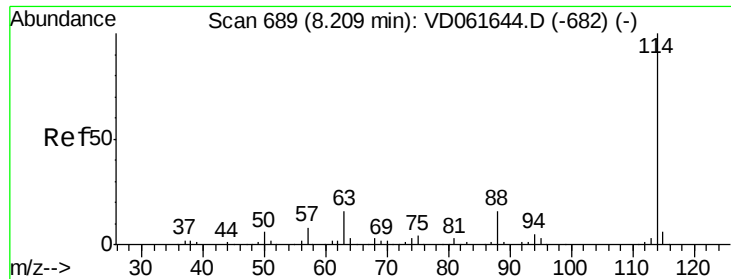
67 50.9 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





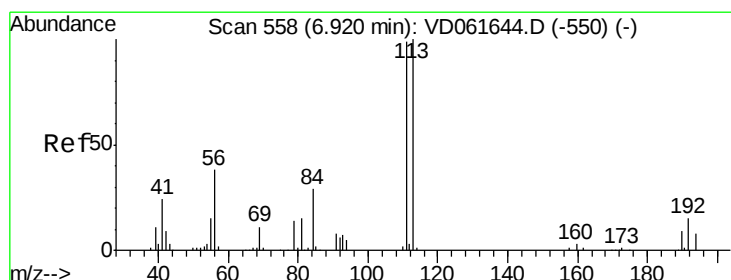
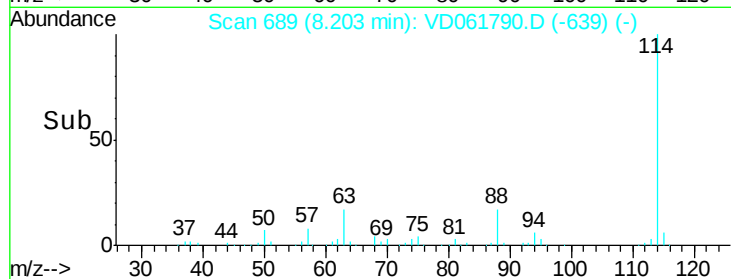
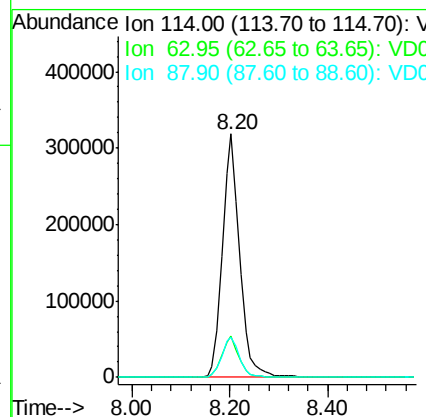
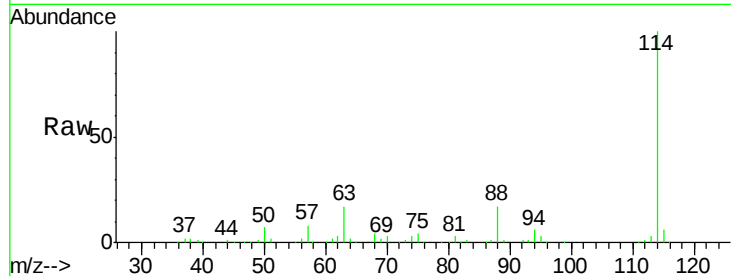
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061790.D
 Acq: 12 Apr 2019 20:53

Instrument :
 MSVOA_D
 ClientSampleId :
 P-1(0-10)

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	16.8	0.0	31.2
88	16.7	0.0	31.8

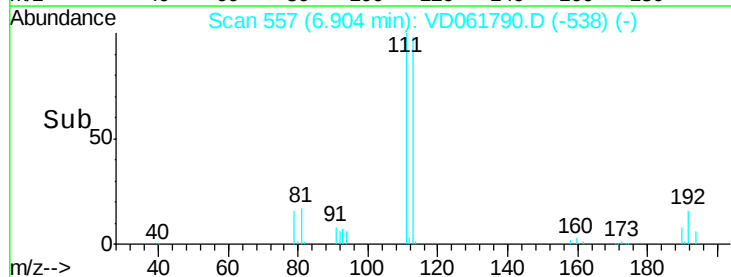
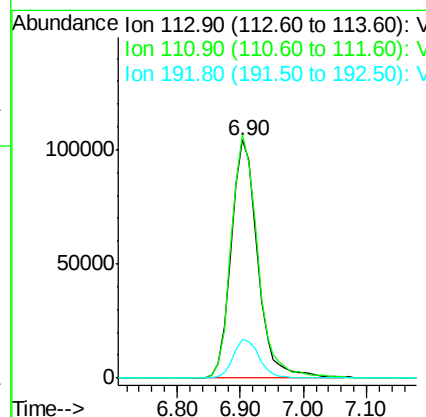
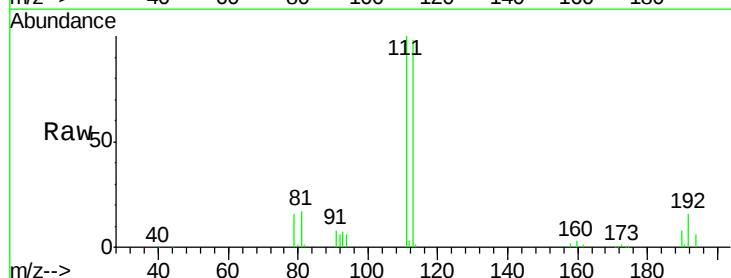
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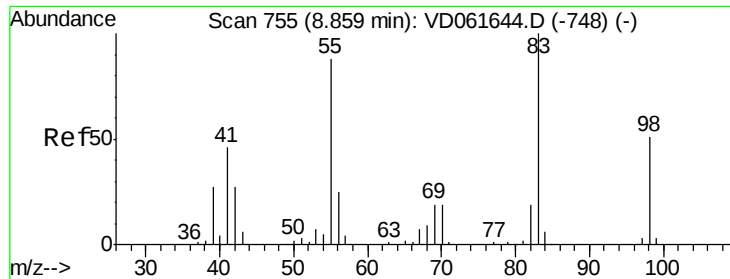
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#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.90 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD061790.D
 Acq: 12 Apr 2019 20:53

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.1	79.3	118.9
192	16.5	12.3	18.5





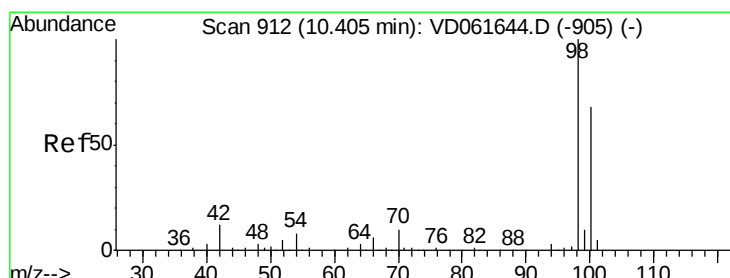
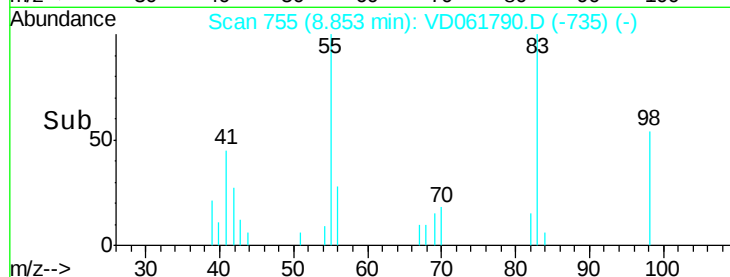
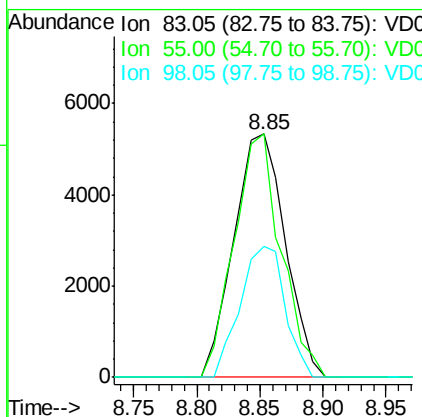
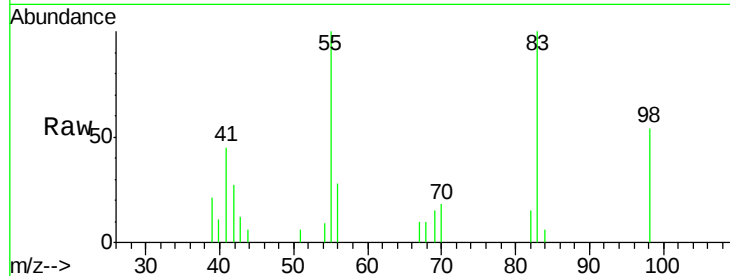
#39
Methvlcvclohexane
Concen: 2.146 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD061790.D
Acq: 12 Apr 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :
P-1(0-10)

Tot Ion	83	Resp	15084
Ion Ratio	Lower	Upper	
83	100		
55	100.2	70.3	105.5
98	54.1	41.0	61.6

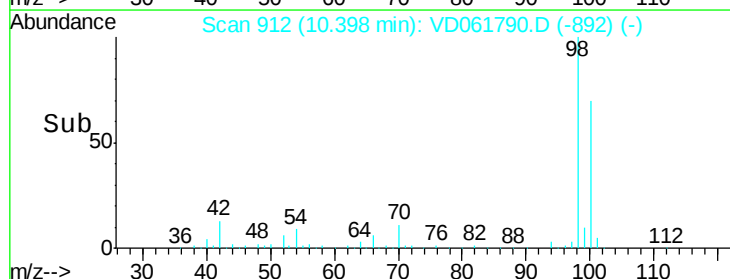
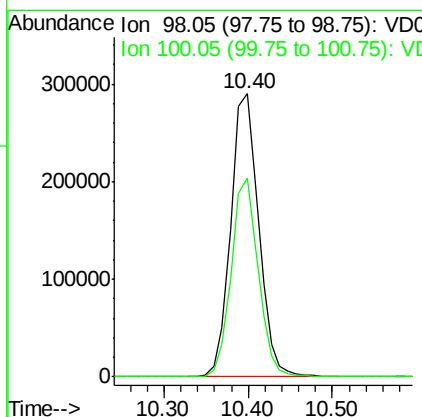
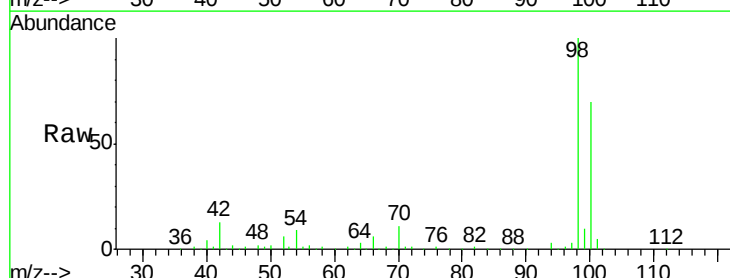
Manual Integrations
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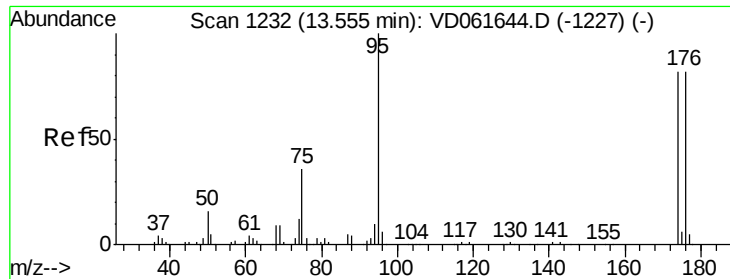
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#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD061790.D
Acq: 12 Apr 2019 20:53

Tgt Ion	98	Resp	671894
Ion Ratio	Lower	Upper	
98	100		
100	70.1	55.4	83.0





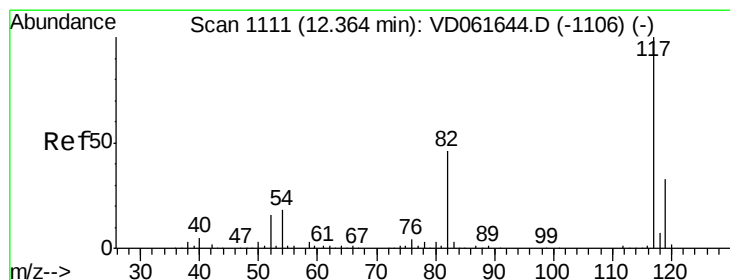
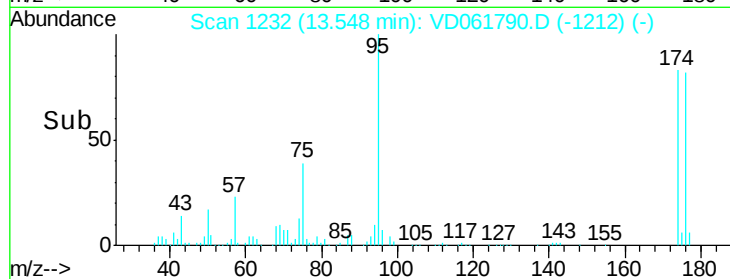
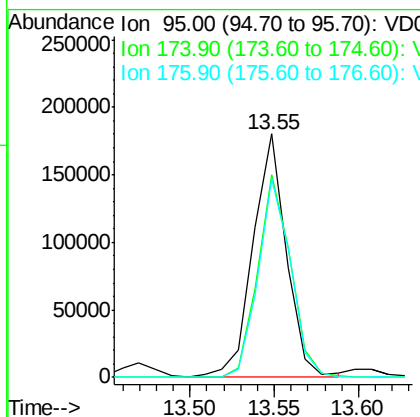
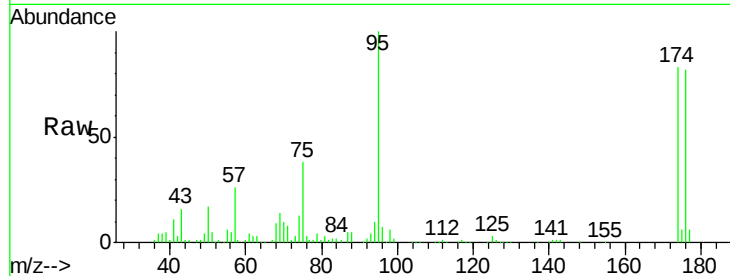
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD061790.D
Acq: 12 Apr 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :
P-1(0-10)

Tot Ion	Ratio	Resp	Lower	Upper
95	100	245905		
174	83.2	0.0	164.6	
176	81.5	0.0	165.0	

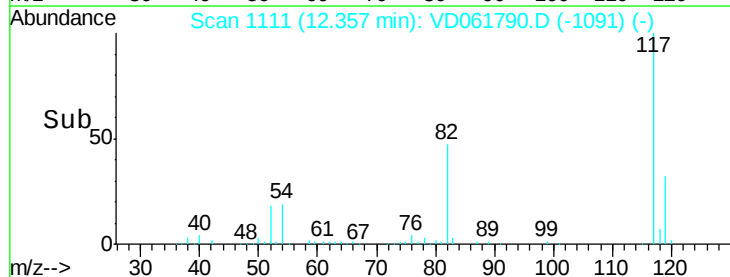
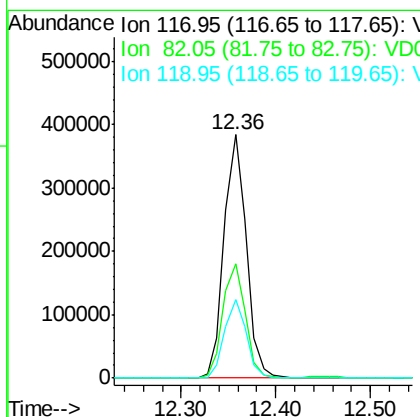
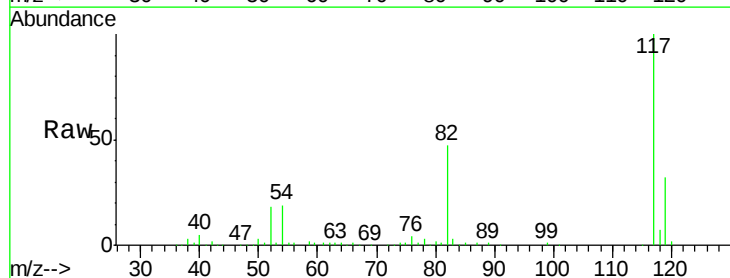
Manual Integrations
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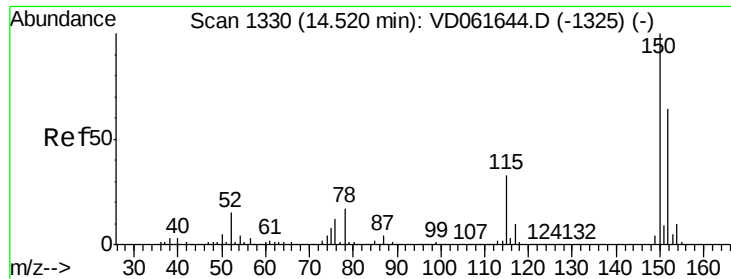
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061790.D
Acq: 12 Apr 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	622493		
82	47.1	36.8	55.2	
119	32.4	26.1	39.1	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD061790.D

Acq: 12 Apr 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

P-1(0-10)

Tot Ion:152 Resp: 235378

Ion Ratio Lower Upper

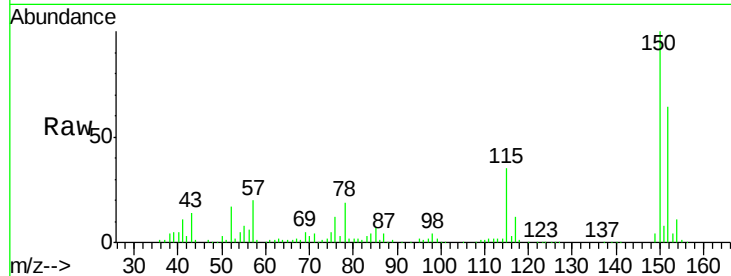
152 100

115 54.6 26.4 79.2

150 156.0 0.0 320.6

Manual Integrations
APPROVED

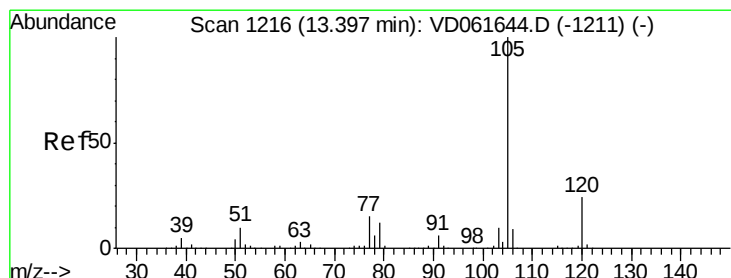
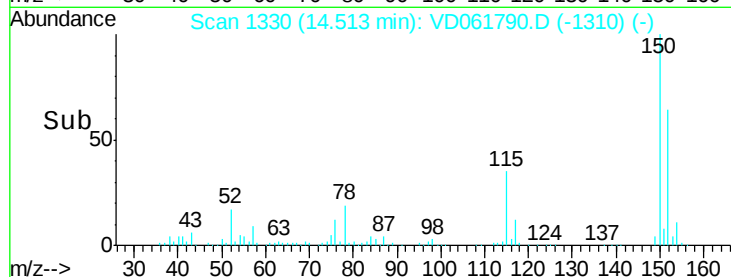
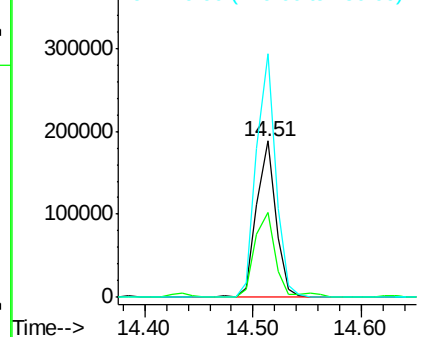
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.578 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061790.D

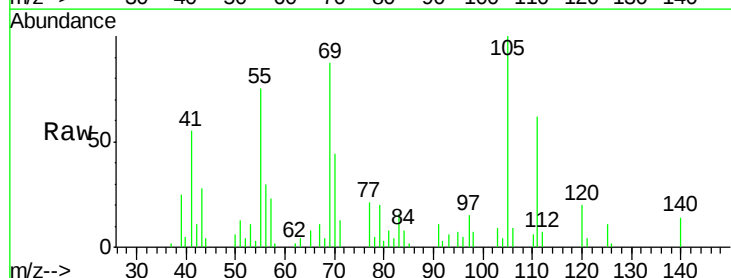
Acq: 12 Apr 2019 20:53

Tgt Ion:105 Resp: 24745

Ion Ratio Lower Upper

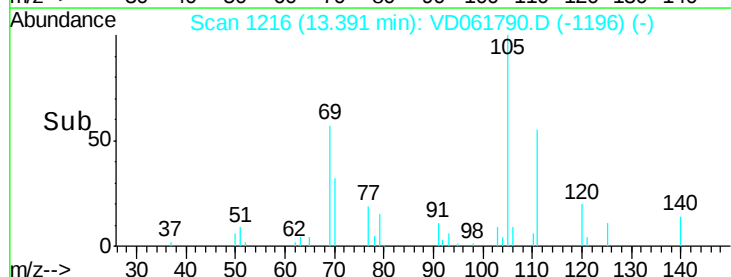
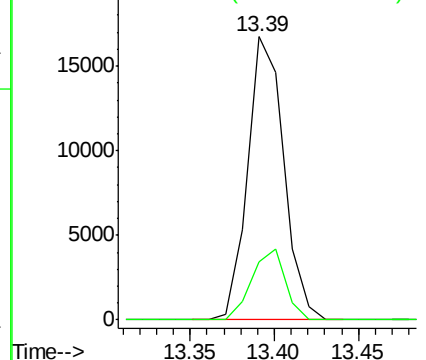
105 100

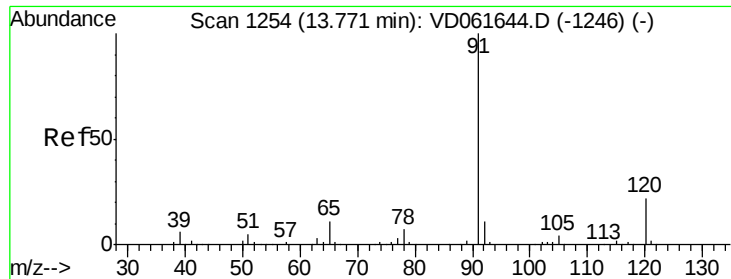
120 20.3 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#78

n-propylbenzene

Concen: 1.750 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD061790.D

Acq: 12 Apr 2019 20:53

Instrument :

MSVOA_D

ClientSampled :

P-1(0-10)

Tot Ion: 91 Resp: 32830

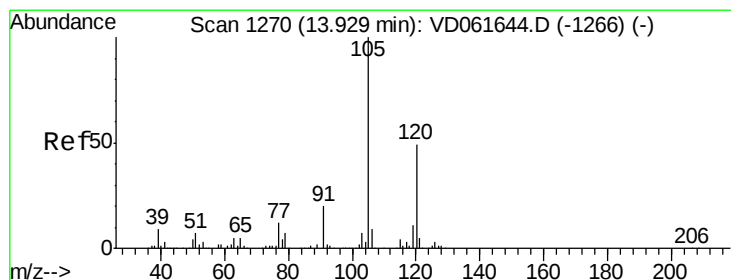
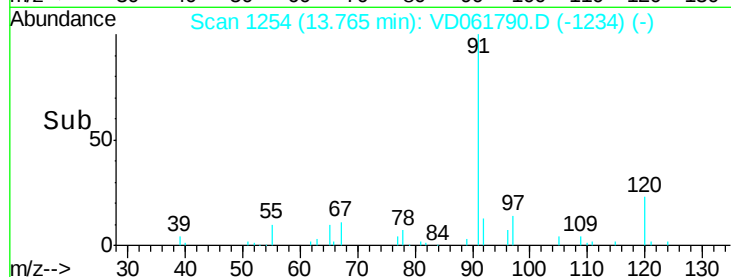
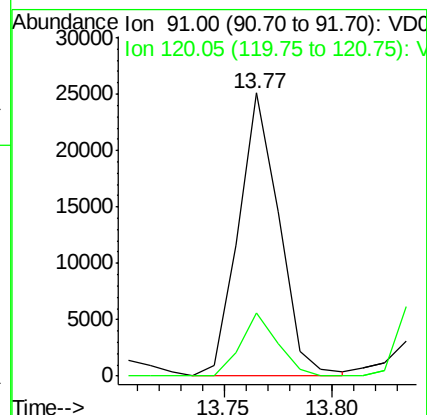
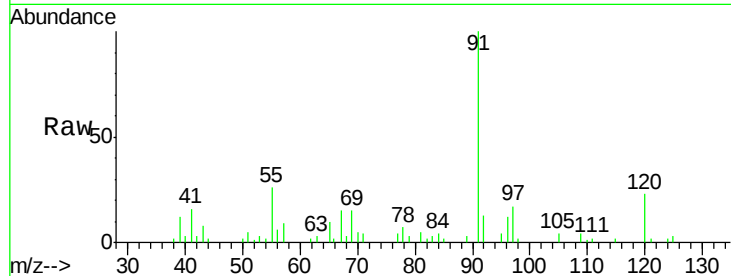
Ion Ratio Lower Upper

91 100

120 22.5 10.8 32.4

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#80

1,3,5-Trimethylbenzene

Concen: 9.463 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD061790.D

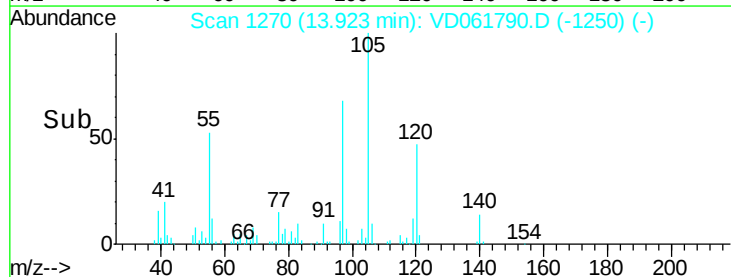
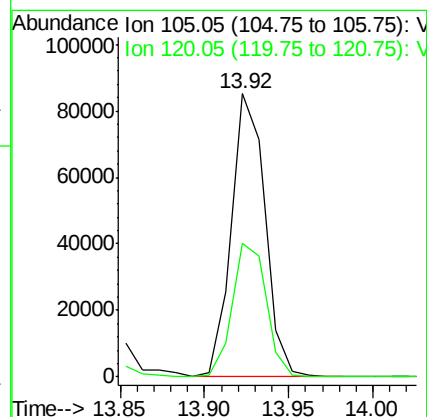
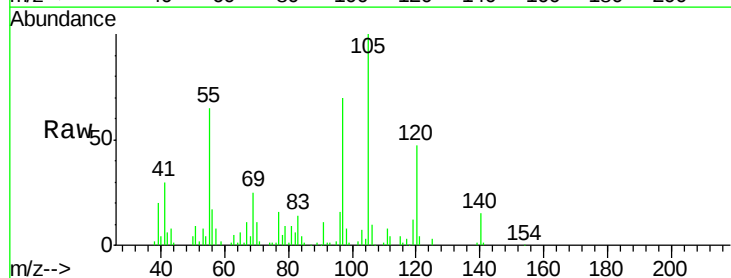
Acq: 12 Apr 2019 20:53

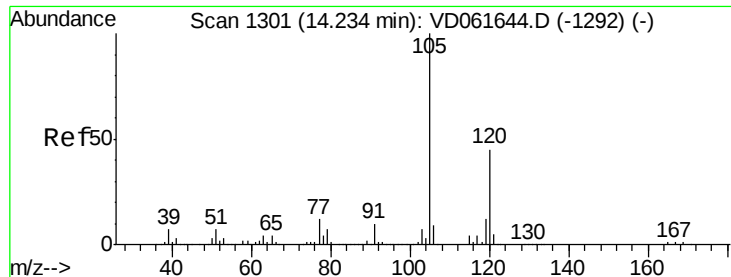
Tgt Ion: 105 Resp: 117795

Ion Ratio Lower Upper

105 100

120 47.2 24.4 73.2





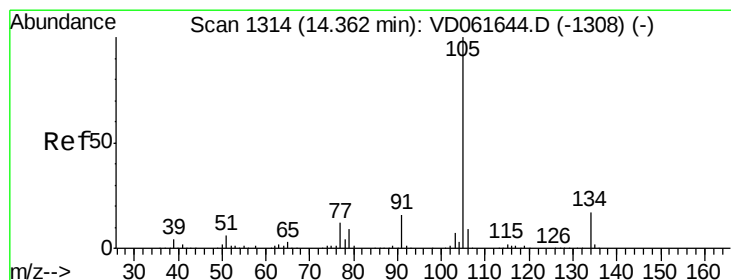
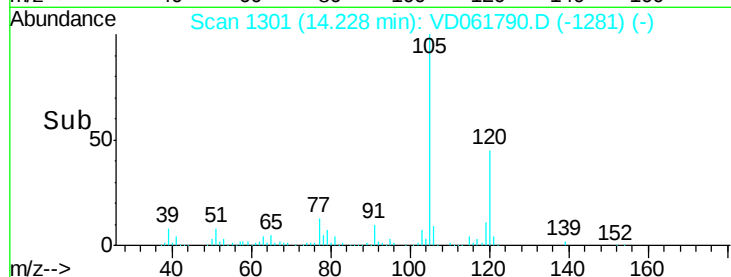
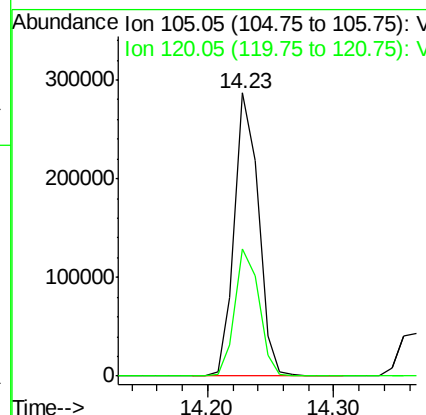
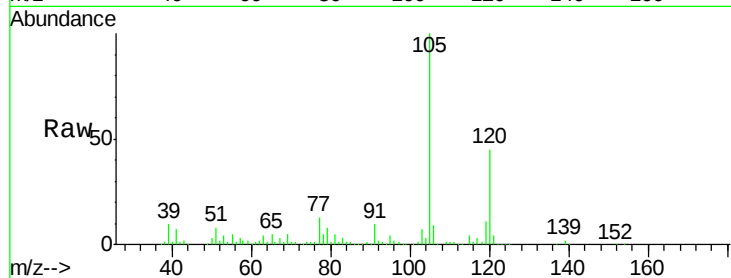
#84
 1,2,4-Trimethylbenzene
 Concen: 29.897 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD061790.D
 Acq: 12 Apr 2019 20:53

Instrument :
 MSVOA_D
 ClientSampleId :
 P-1(0-10)

Tot Ion:105 Resp: 375613
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.6 67.8

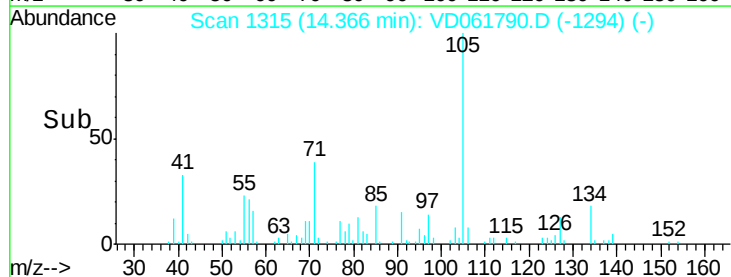
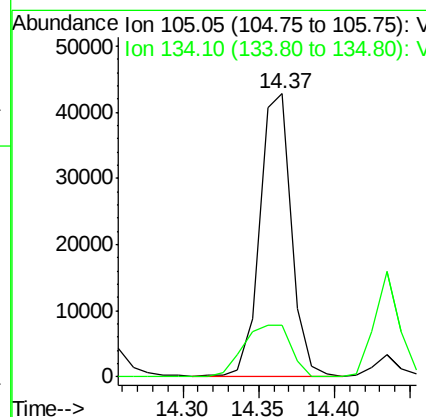
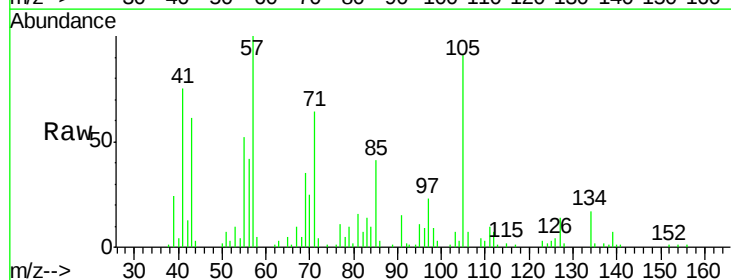
Manual Integrations
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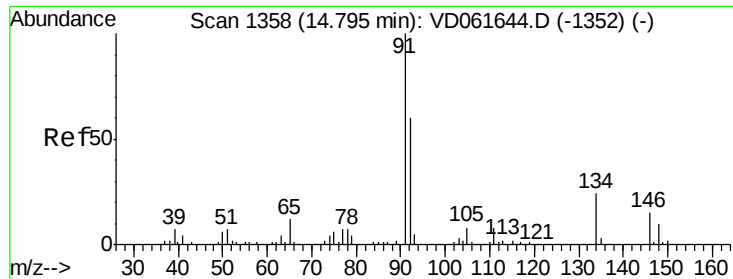
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 4/16/2019 12:41:38 AM



#85
 sec-Butylbenzene
 Concen: 3.873 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061790.D
 Acq: 12 Apr 2019 20:53

Tgt Ion:105 Resp: 62805
 Ion Ratio Lower Upper
 105 100
 134 18.5 8.6 25.7





#89

n-Butylbenzene

Concen: 3.275 ug/l m

RT: 14.79 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD061790.D

Acq: 12 Apr 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

P-1(0-10)

Tot Ion: 91 Resp: 40042

Ion Ratio Lower Upper

91 100

92 58.6 29.8 89.4

134 42.4 12.2 36.4#

Manual Integrations
APPROVED

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4/16/2019 12:41:38 AM

