

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
 Data File : VD060057.D
 Acq On : 20 Sep 2018 19:33
 Operator : VA/AP
 Sample : J5017-05
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-EW-059

Manual Integrations
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Quant Time: Sep 21 02:19:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1003284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	1439118	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1076874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	415001	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	385710	49.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.60%	
35) Dibromofluoromethane	6.30	113	498034	44.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.60%	
50) Toluene-d8	9.44	98	1226433	39.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	78.72%	
62) 4-Bromofluorobenzene	12.42	95	421191	35.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	70.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.14	43	81971	54.265	ug/l	98
25) 2-Butanone	5.60	43	50498	12.388	ug/l	100
39) Methylcyclohexane	8.02	83	84431	5.221	ug/l	96
68) m/p-Xylenes	11.55	106	23566	1.713	ug/l	88
69) o-Xylene	11.92	106	23743	1.741	ug/l	98
73) Isopropylbenzene	12.27	105	54944	2.019	ug/l	94
78) n-propylbenzene	12.63	91	78978	2.307	ug/l	99
80) 1,3,5-Trimethylbenzene	12.78	105	94343	4.522	ug/l	100
84) 1,2,4-Trimethylbenzene	13.09	105	326782	14.679	ug/l	100
85) sec-Butylbenzene	13.21	105	75328	2.626	ug/l	95
86) p-Isopropyltoluene	13.33	119	87354	3.765	ug/l	91
89) n-Butylbenzene	13.64	91	90670m	1.701	ug/l	

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

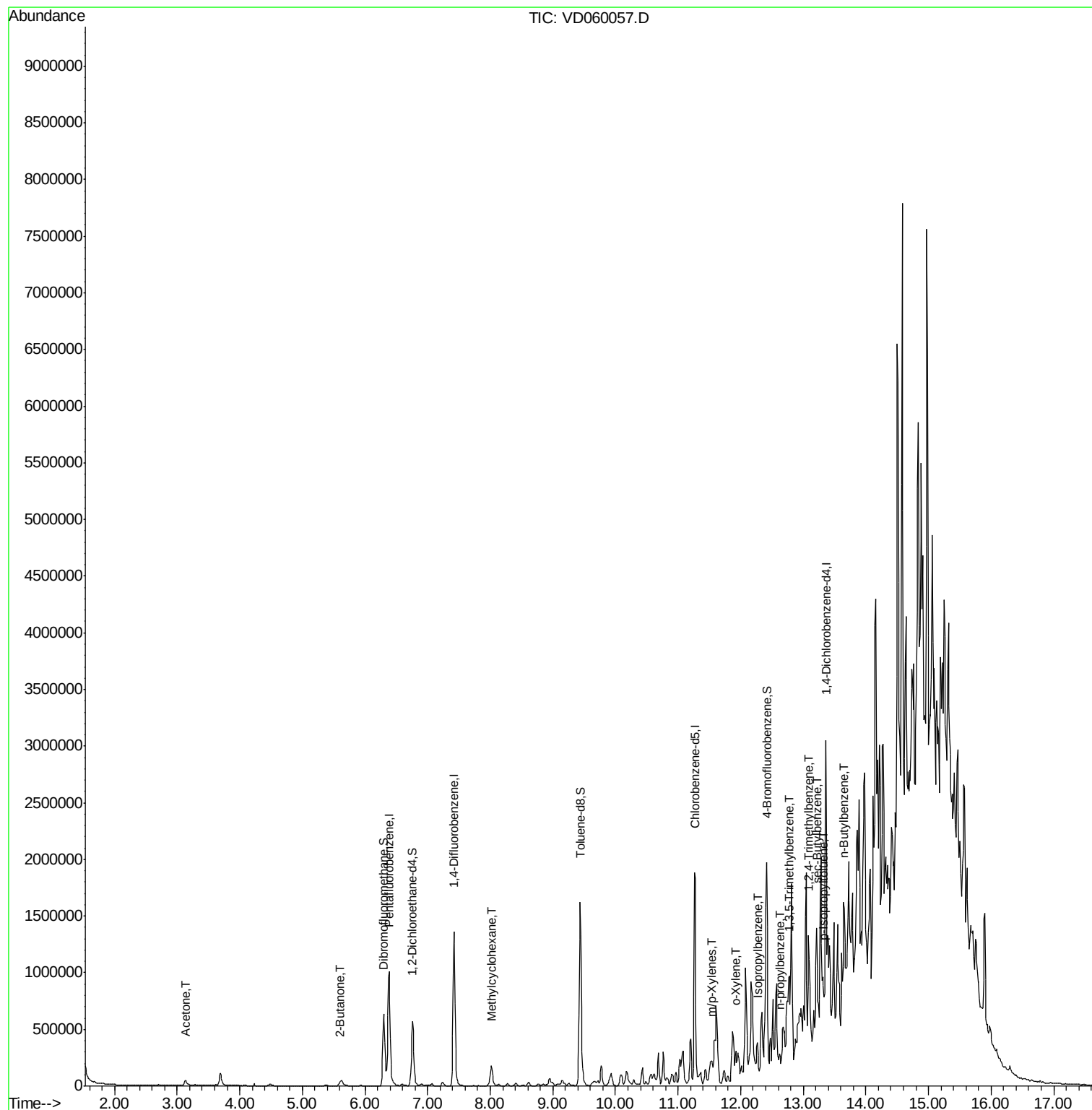
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092018\
Data File : VD060057.D
Acq On : 20 Sep 2018 19:33
Operator : VA/AP
Sample : J5017-05
Misc : 5.08g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

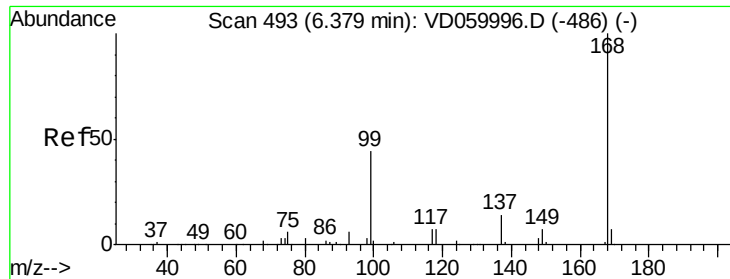
Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-EW-059

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Quant Time: Sep 21 02:19:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD060057.D

Acq: 20 Sep 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-EW-059

Tot Ion:168 Resp: 1003284

Ion Ratio Lower Upper

168 100

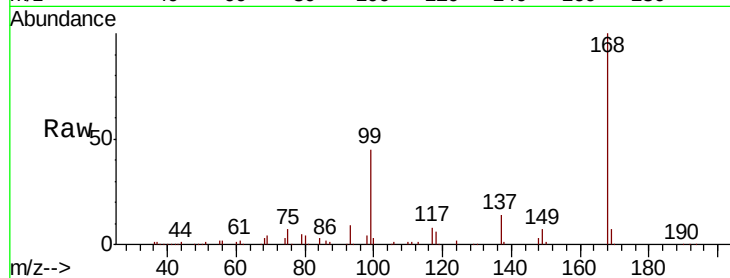
99 45.1 38.5 57.7

Manual Integrations

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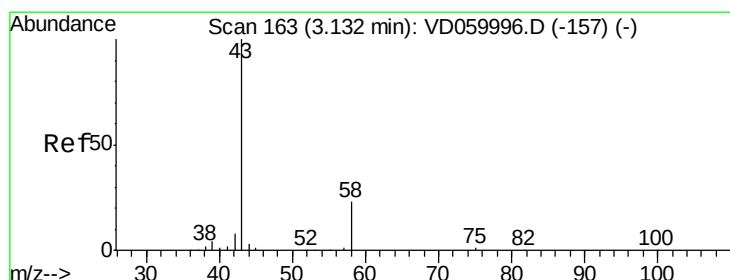
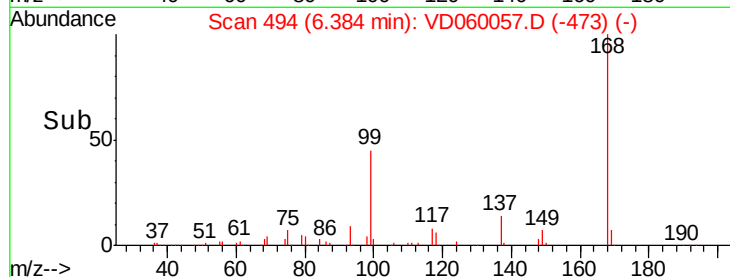
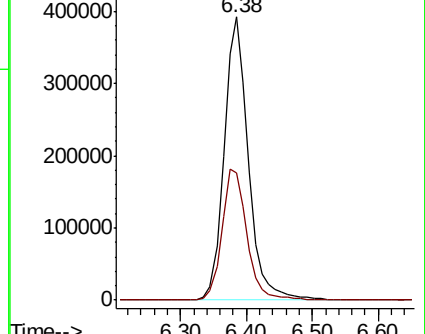
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 54.265 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD060057.D

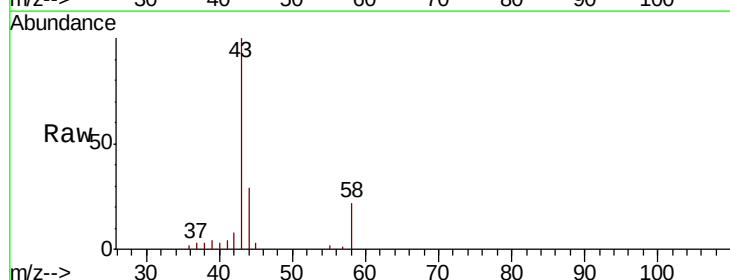
Acq: 20 Sep 2018 19:33

Tgt Ion: 43 Resp: 81971

Ion Ratio Lower Upper

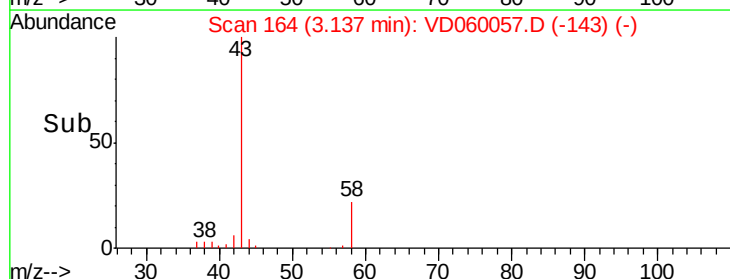
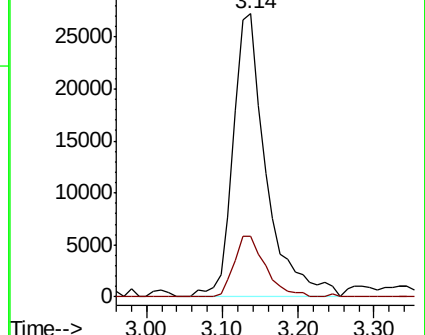
43 100

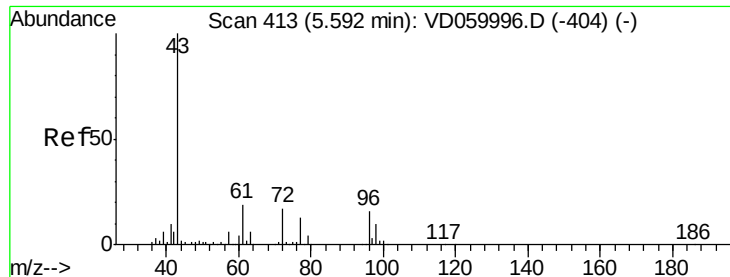
58 21.6 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#25

2-Butanone

Concen: 12.388 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.01 min

Lab File: VD060057.D

Acq: 20 Sep 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-EW-059

Tot Ion: 43 Resp: 50498

Ion Ratio Lower Upper

43 100

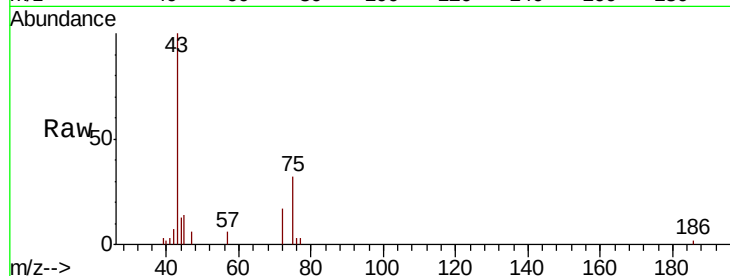
72 17.0 13.6 20.4

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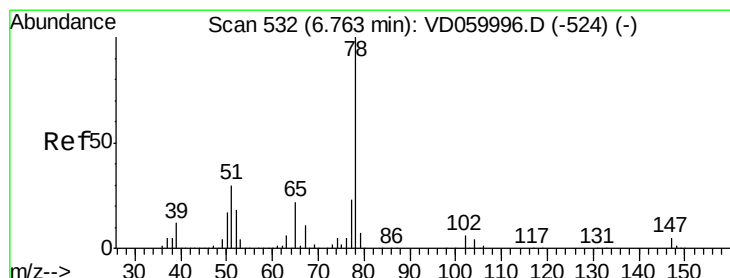
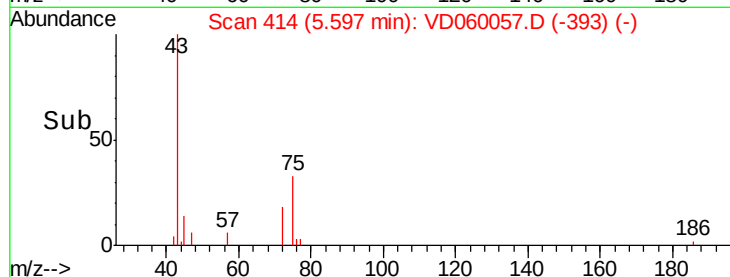
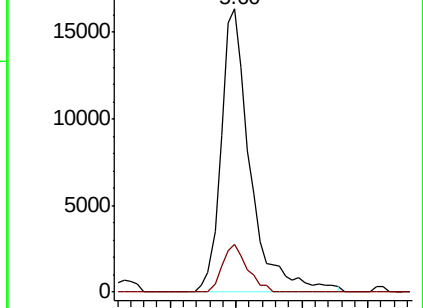
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.00 min

Lab File: VD060057.D

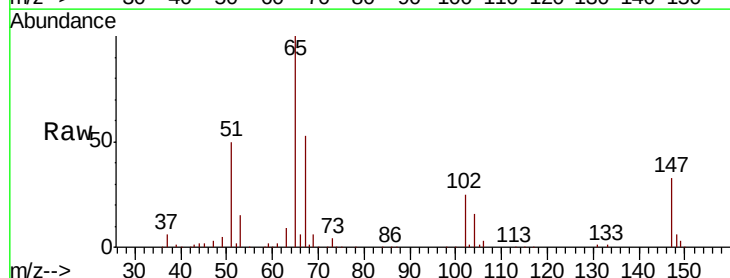
Acq: 20 Sep 2018 19:33

Tgt Ion: 65 Resp: 385710

Ion Ratio Lower Upper

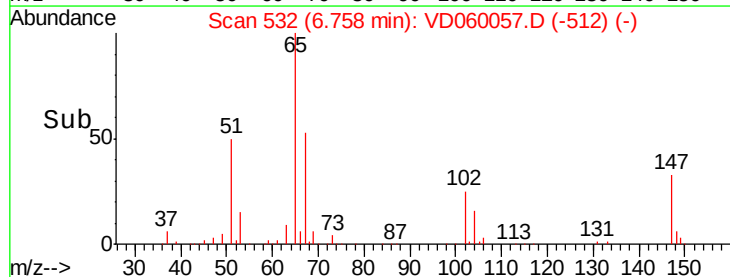
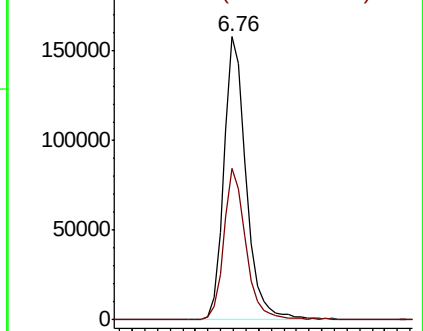
65 100

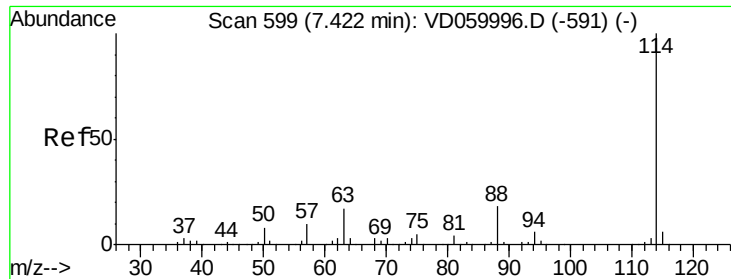
67 53.4 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





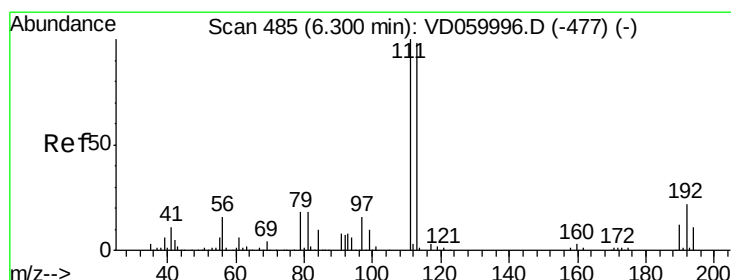
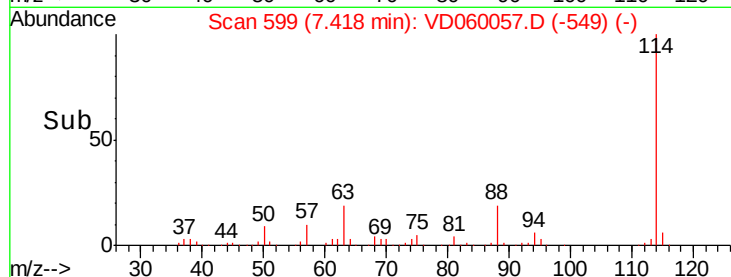
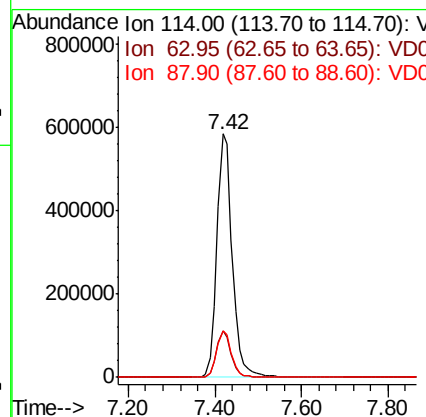
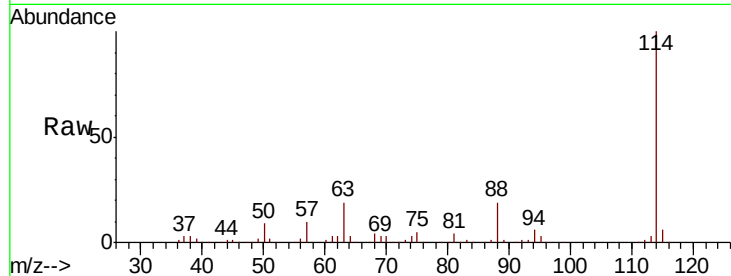
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: VD060057.D
 Acq: 20 Sep 2018 19:33

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-EW-059

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	34.4
88	19.3	0.0	35.8

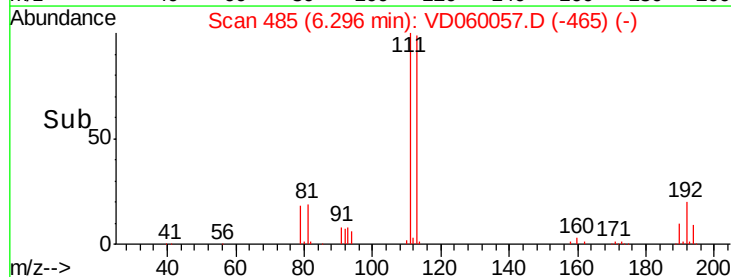
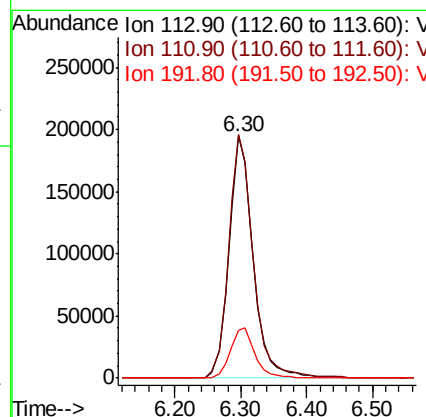
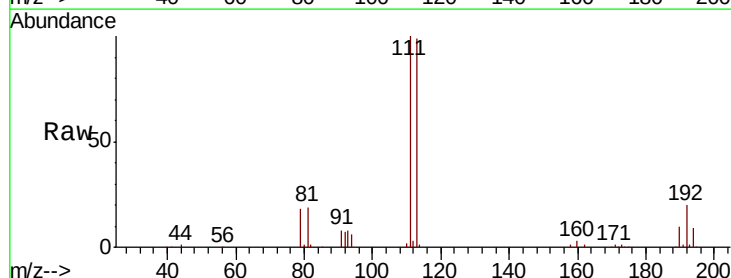
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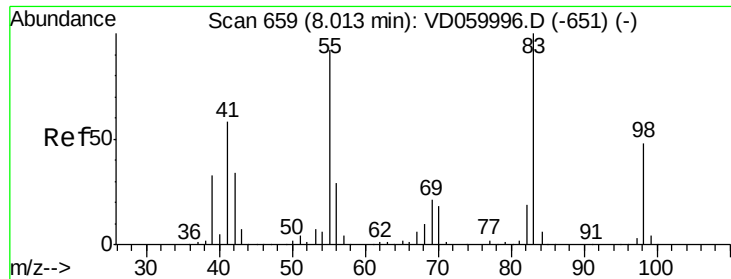
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#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: VD060057.D
 Acq: 20 Sep 2018 19:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.3	121.9
192	20.0	18.1	27.1





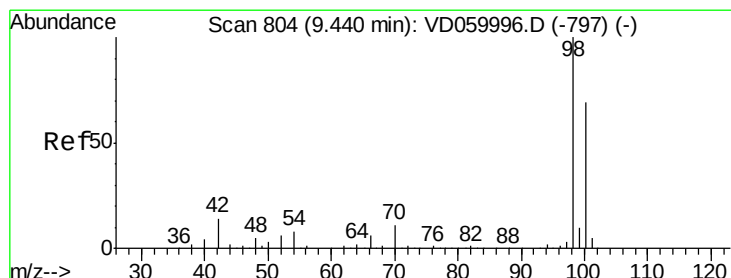
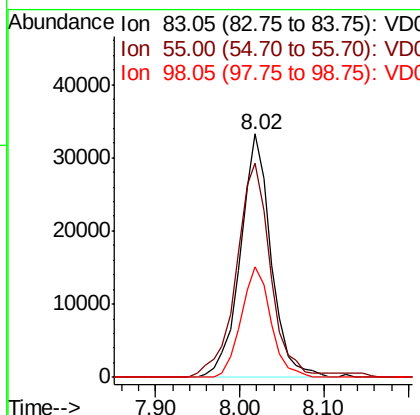
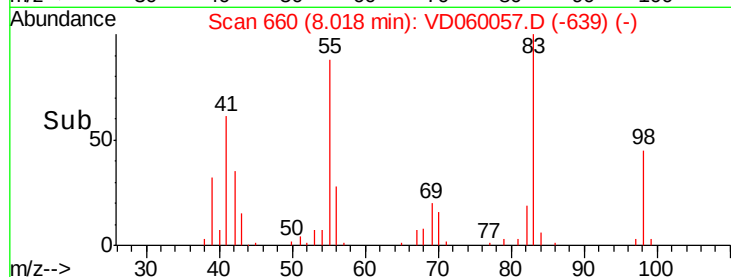
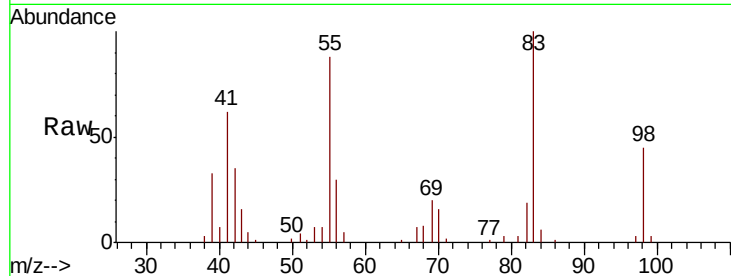
#39
Methylcyclohexane
Concen: 5.221 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.01 min
Lab File: VD060057.D
Acq: 20 Sep 2018 19:33

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-EW-059

Tot Ion: 83 Resp: 84431
Ion Ratio Lower Upper
83 100
55 88.2 73.8 110.6
98 45.5 38.1 57.1

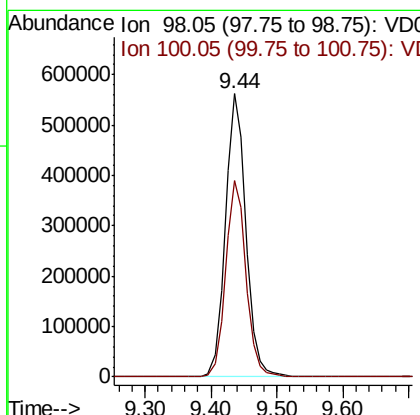
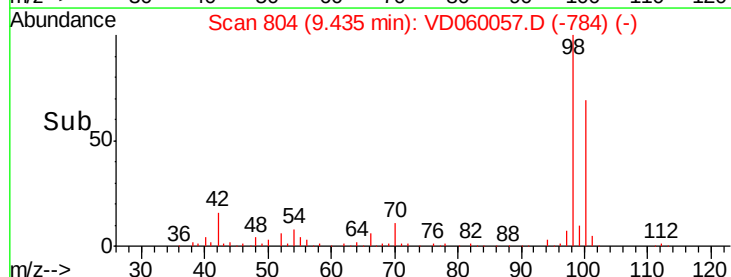
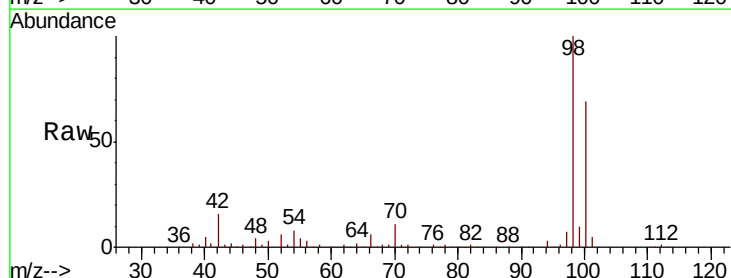
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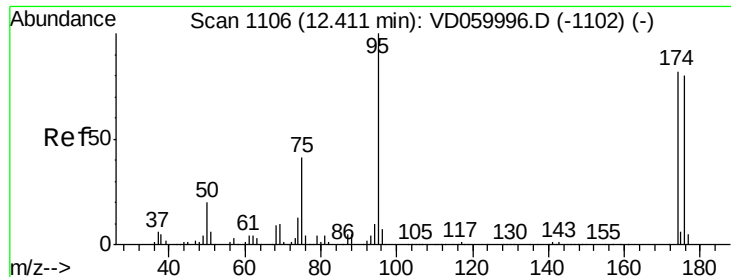
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#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.00 min
Lab File: VD060057.D
Acq: 20 Sep 2018 19:33

Tgt Ion: 98 Resp: 1226433
Ion Ratio Lower Upper
98 100
100 69.2 55.8 83.6





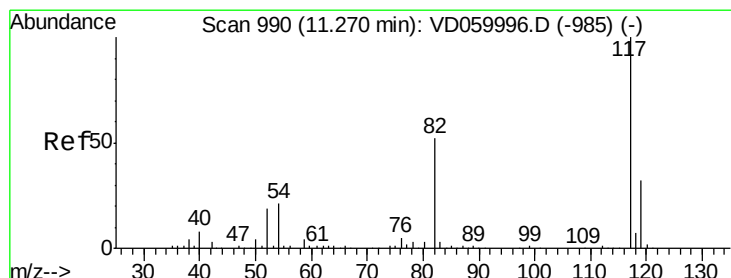
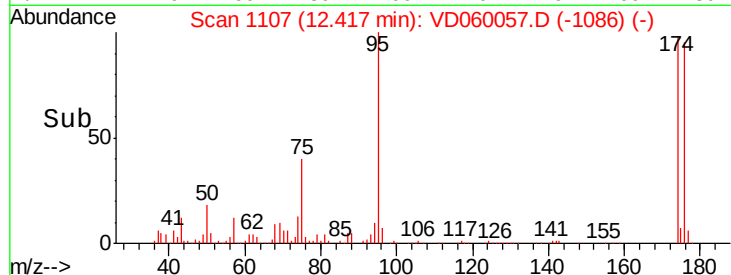
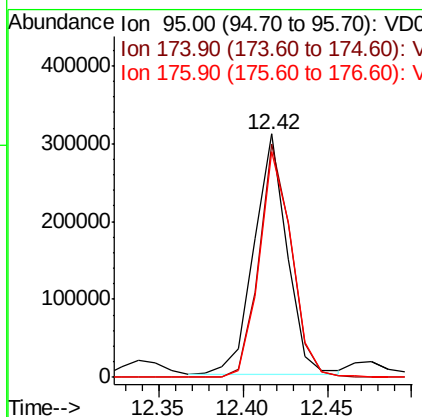
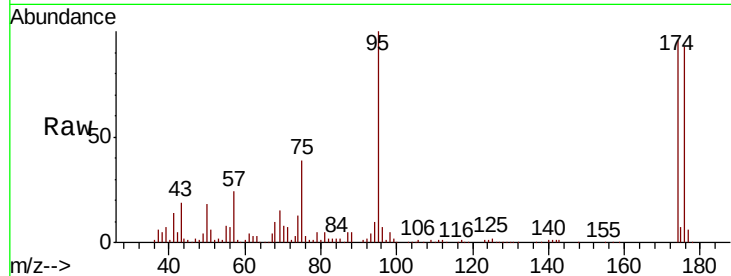
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD060057.D
Acq: 20 Sep 2018 19:33

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-EW-059

Tot Ion	Ratio	Resp	Lower	Upper
95	100	421191		
174	95.9	0.0	165.0	
176	92.6	0.0	160.2	

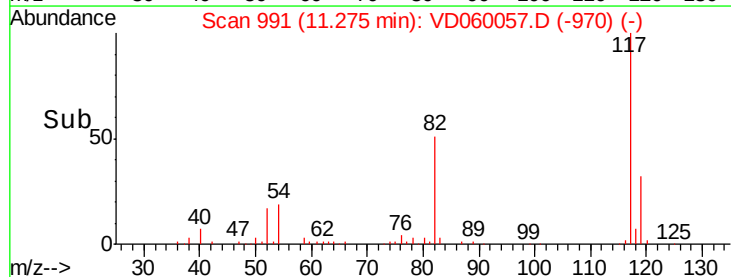
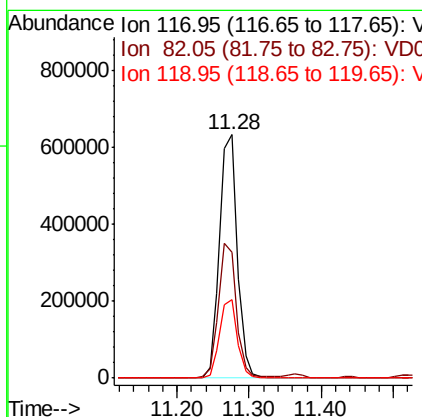
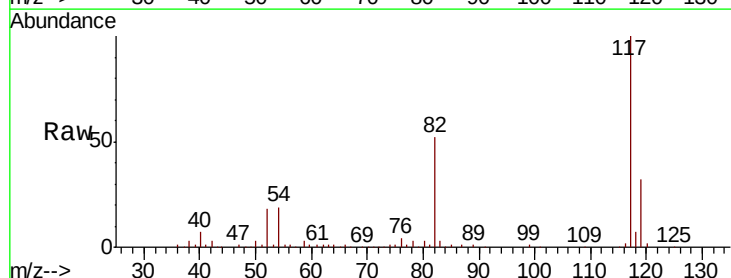
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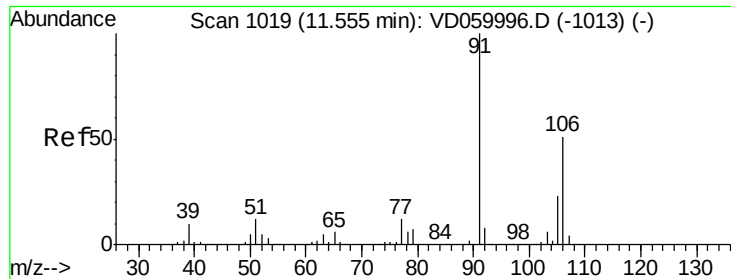
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060057.D
Acq: 20 Sep 2018 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1076874		
82	51.5	41.7	62.5	
119	32.4	26.0	39.0	





#68

m/p-Xylenes

Concen: 1.713 ug/l

RT: 11.55 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD060057.D

Acq: 20 Sep 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-EW-059

Tot Ion:106 Resp: 23566

Ion Ratio Lower Upper

106 100

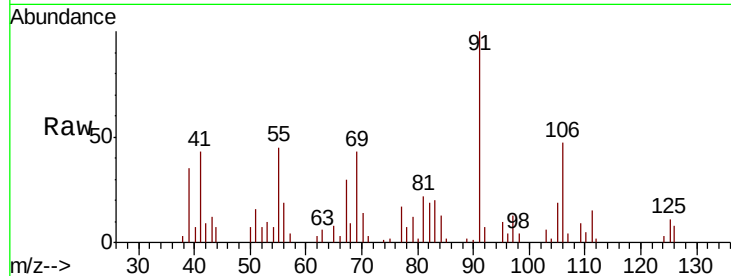
91 214.7 157.0 235.6

Manual Integrations

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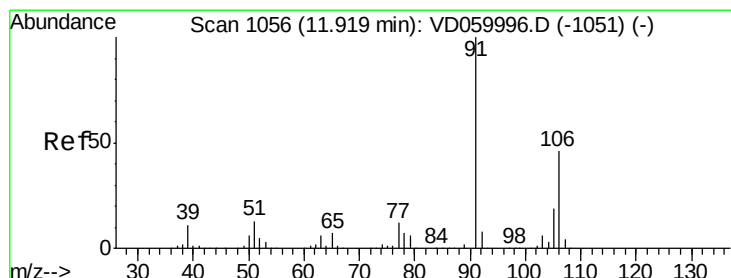
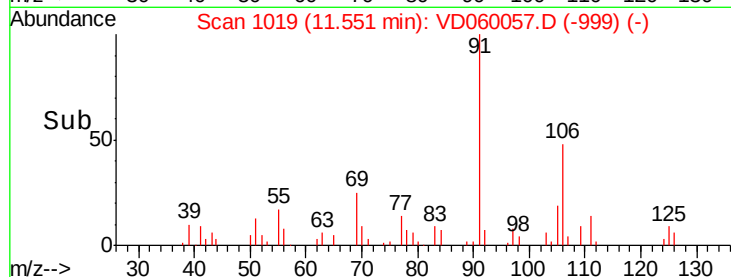
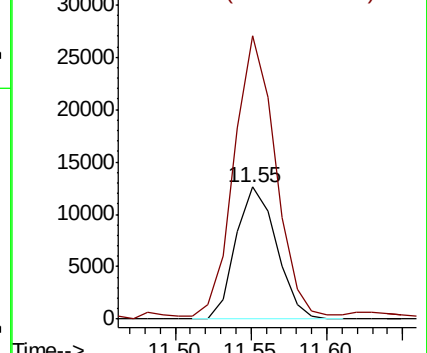
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Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#69

o-Xylene

Concen: 1.741 ug/l

RT: 11.92 min Scan# 1057

Delta R.T. 0.01 min

Lab File: VD060057.D

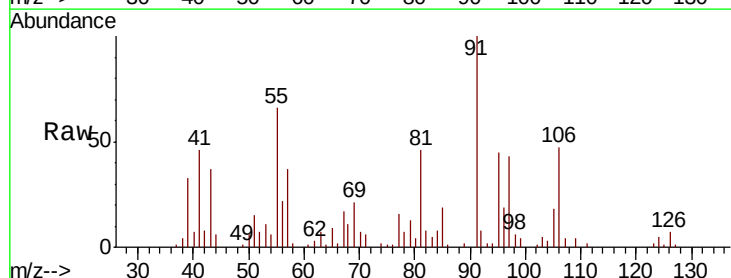
Acq: 20 Sep 2018 19:33

Tgt Ion:106 Resp: 23743

Ion Ratio Lower Upper

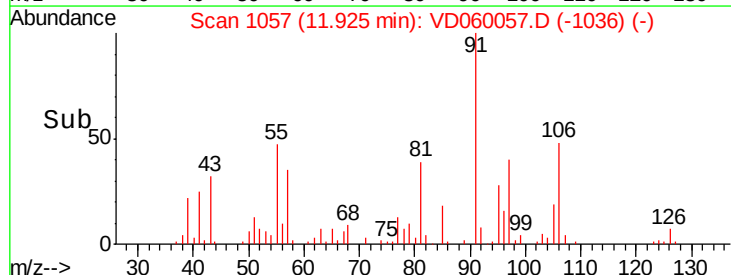
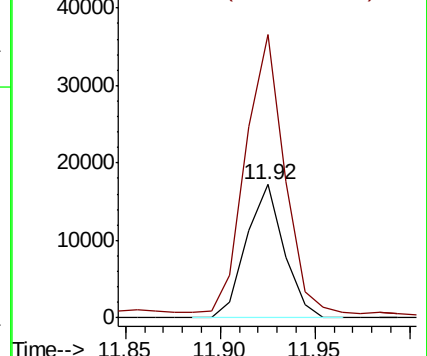
106 100

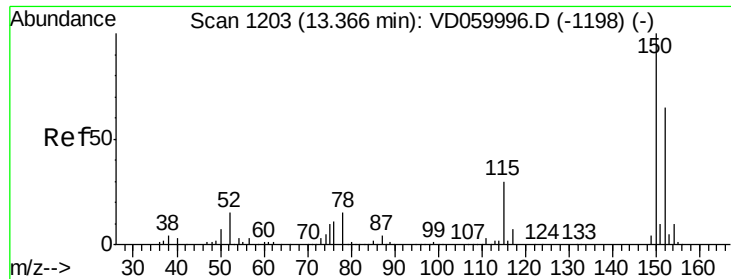
91 211.9 107.7 323.1



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD060057.D

Acq: 20 Sep 2018 19:33

Instrument :

MSVOA_D

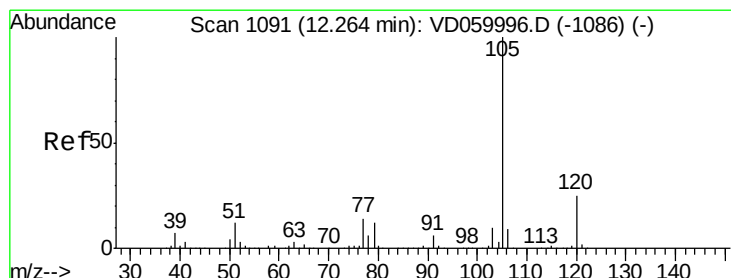
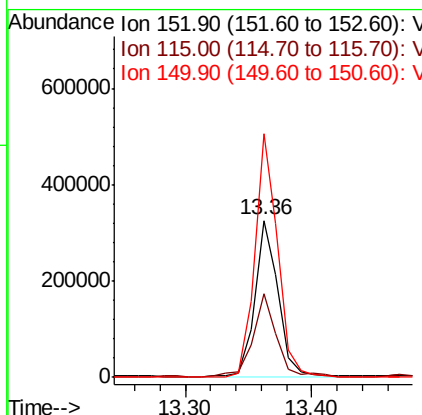
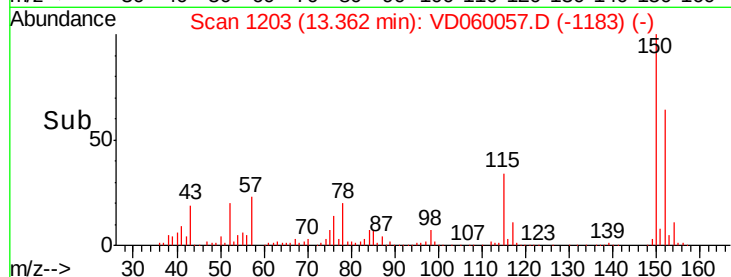
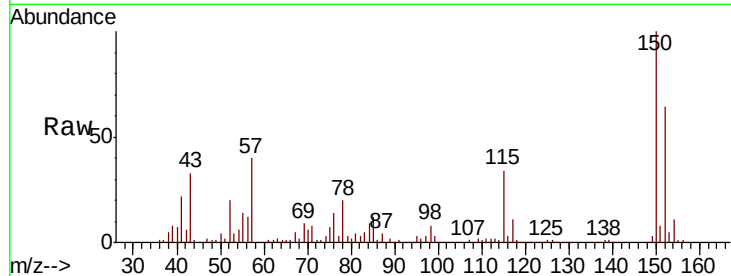
ClientSampleId :

RA-091918-S-EW-059

Tot Ion:	152	Resp:	415001
Ion Ratio	Lower	Upper	
152	100		
115	53.1	24.6	73.8
150	155.3	0.0	313.4

Manual Integrations
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#73

Isopropylbenzene

Concen: 2.019 ug/l

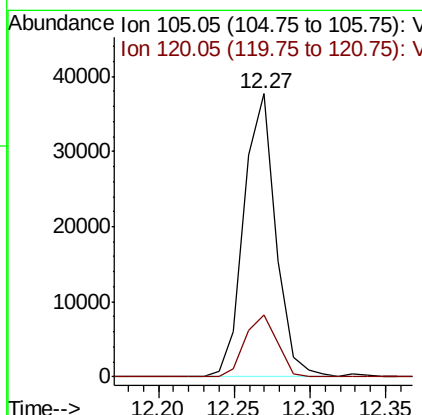
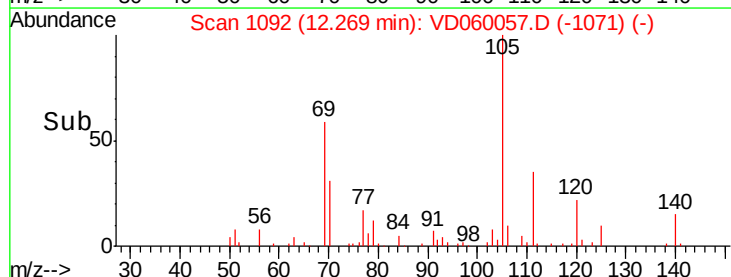
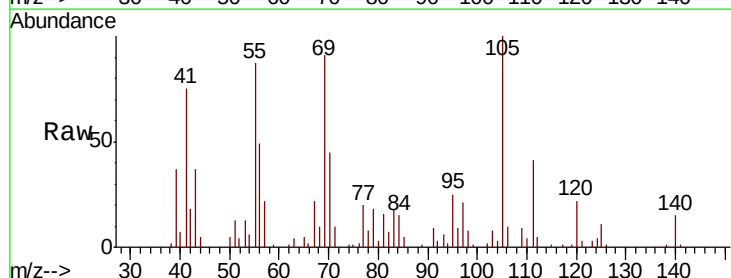
RT: 12.27 min Scan# 1092

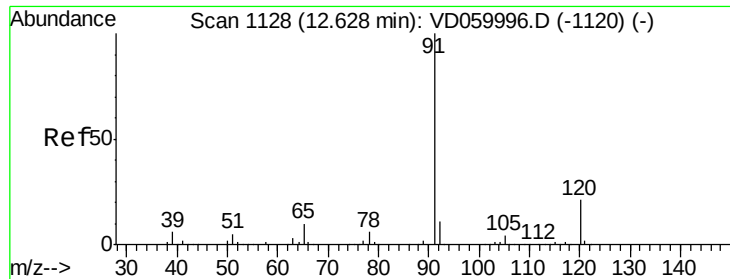
Delta R.T. 0.01 min

Lab File: VD060057.D

Acq: 20 Sep 2018 19:33

Tgt Ion:	105	Resp:	54944
Ion Ratio	Lower	Upper	
105	100		
120	21.7	12.3	36.9





#78

n-propylbenzene

Concen: 2.307 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060057.D

Acq: 20 Sep 2018 19:33

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-EW-059

Tot Ion: 91 Resp: 78978

Ion Ratio Lower Upper

91 100

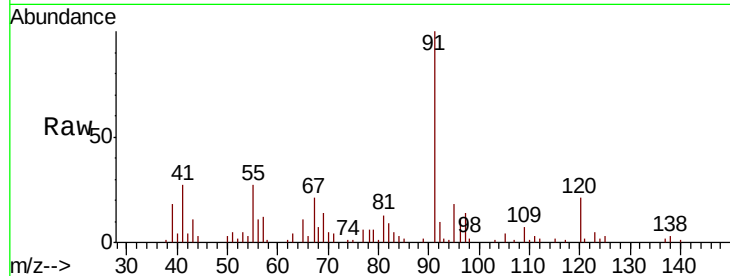
120 20.9 10.7 31.9

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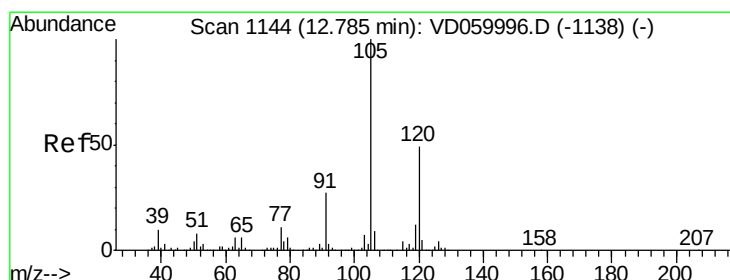
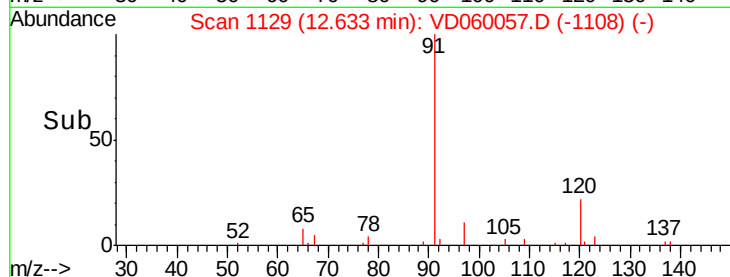
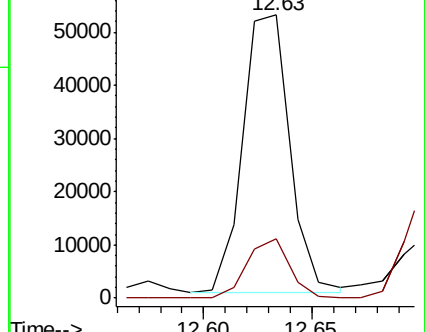
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V



#80

1,3,5-Trimethylbenzene

Concen: 4.522 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VD060057.D

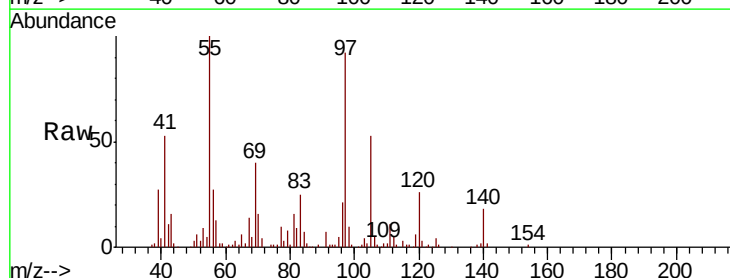
Acq: 20 Sep 2018 19:33

Tgt Ion: 105 Resp: 94343

Ion Ratio Lower Upper

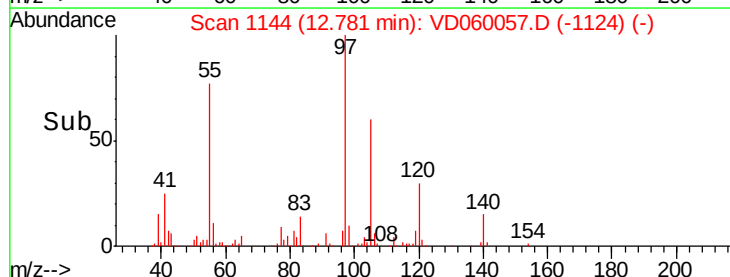
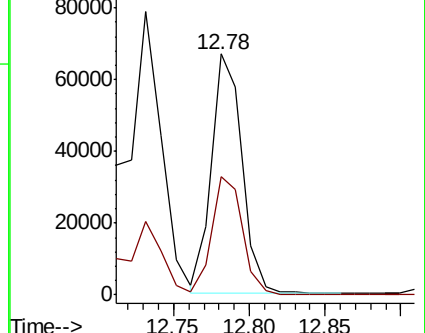
105 100

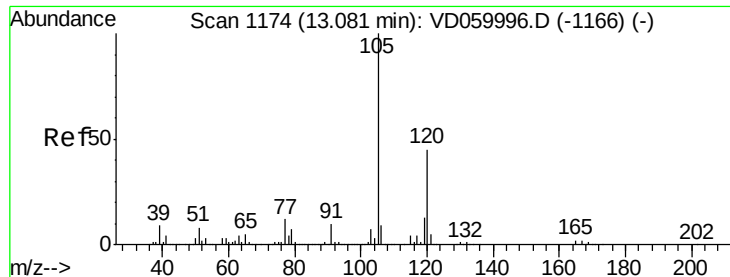
120 49.0 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





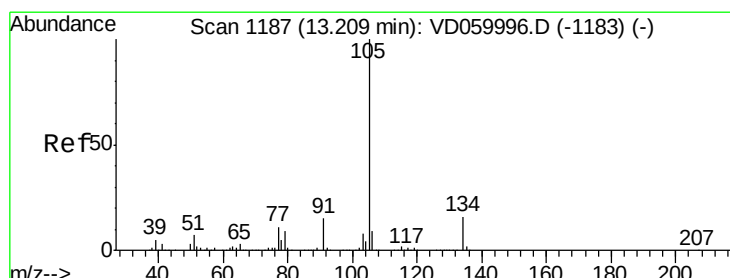
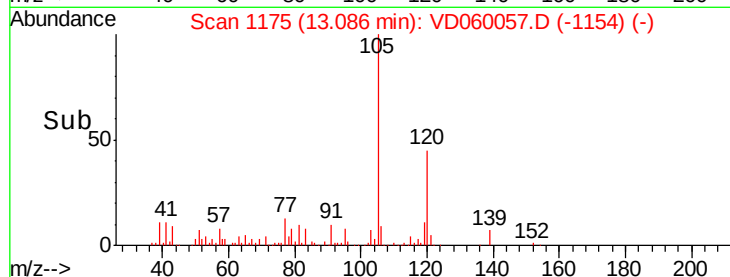
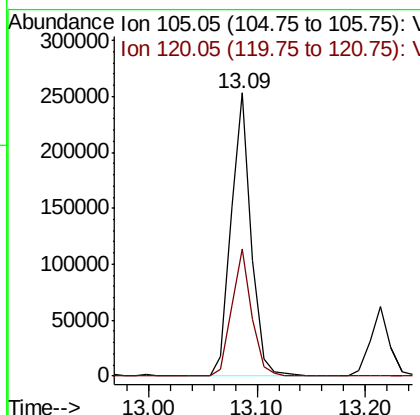
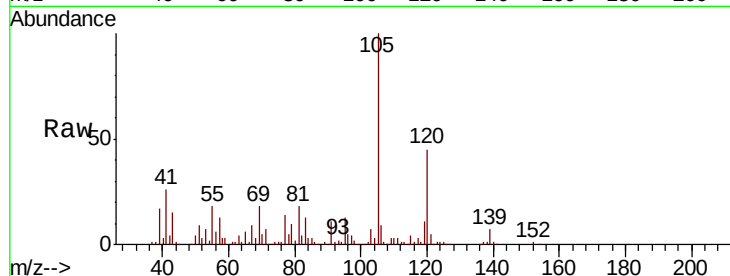
#84
 1,2,4-Trimethylbenzene
 Concen: 14.679 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VD060057.D
 Acq: 20 Sep 2018 19:33

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-EW-059

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.0

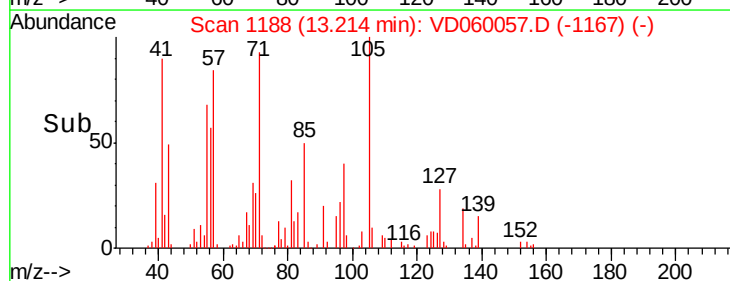
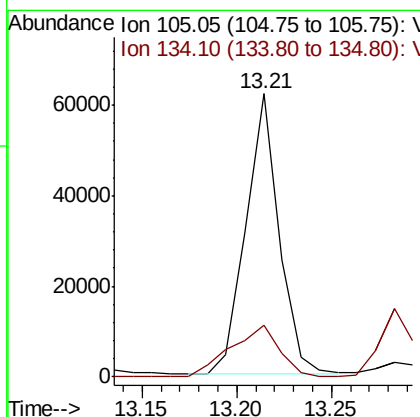
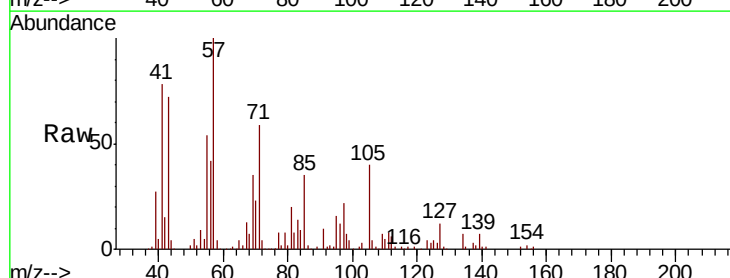
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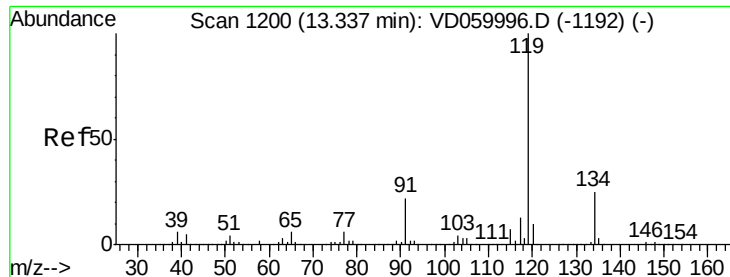
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#85
 sec-Butylbenzene
 Concen: 2.626 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. 0.01 min
 Lab File: VD060057.D
 Acq: 20 Sep 2018 19:33

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.4	8.2	24.6





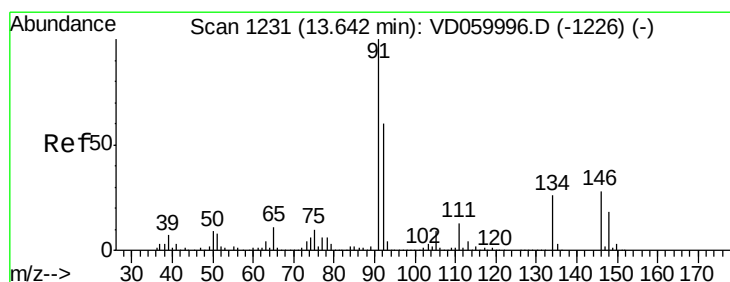
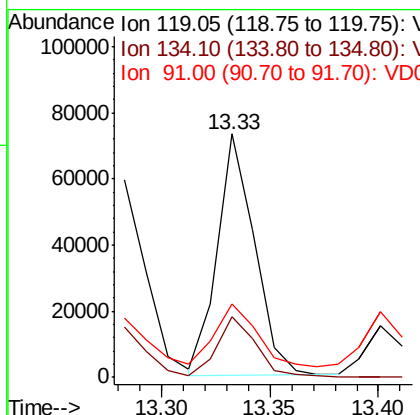
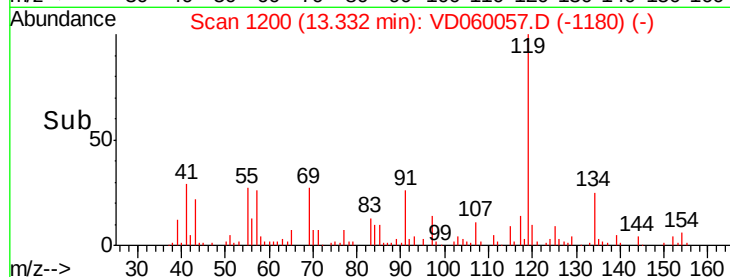
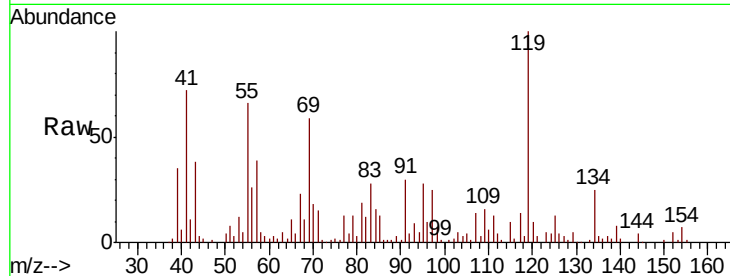
#86
 p-Isopropyltoluene
 Concen: 3.765 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VD060057.D
 Acq: 20 Sep 2018 19:33

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-EW-059

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.8	38.3
91	30.2	11.1	33.3

Manual Integrations
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#89
 n-Butylbenzene
 Concen: 1.701 ug/l m
 RT: 13.64 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD060057.D
 Acq: 20 Sep 2018 19:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.0	29.8	89.3
134	28.2	13.2	39.6

