

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080718\
 Data File : VD059705.D
 Acq On : 7 Aug 2018 15:27
 Operator : VA/AP
 Sample : J4297-04
 Misc : 5.63q/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4

Manual Integrations
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Quant Time: Aug 08 08:54:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	170513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	227583	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	127526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	77394m	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	99014	45.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.28%	
35) Dibromofluoromethane	5.53	113	80859	39.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.12%	
50) Toluene-d8	8.70	98	160399	36.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.10%	
62) 4-Bromofluorobenzene	11.92	95	197382	96.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	192.24%	
Target Compounds						
16) Acetone	2.59	43	94818	230.12	ug/l	95
25) 2-Butanone	4.82	43	29298	54.14	ug/l	98
39) Methylcyclohexane	7.28	83	50404	23.57	ug/l	95
73) Isopropylbenzene	11.79	105	28071	5.40	ug/l	99
78) n-propylbenzene	12.16	91	26981	4.19	ug/l	89
85) sec-Butylbenzene	12.77	105	98971	18.38	ug/l	88

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

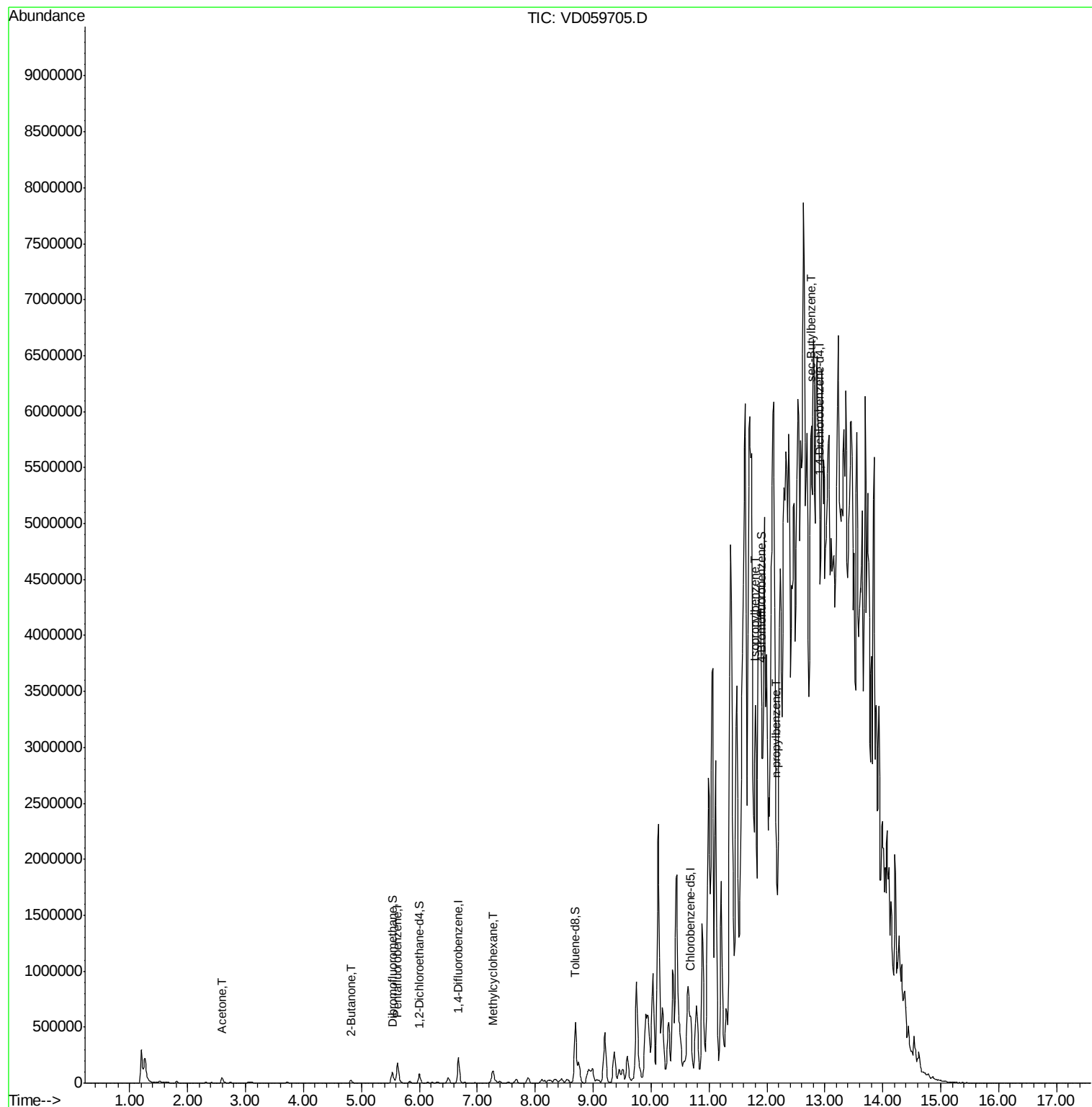
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080718\
Data File : VD059705.D
Acq On : 7 Aug 2018 15:27
Operator : VA/AP
Sample : J4297-04
Misc : 5.63g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

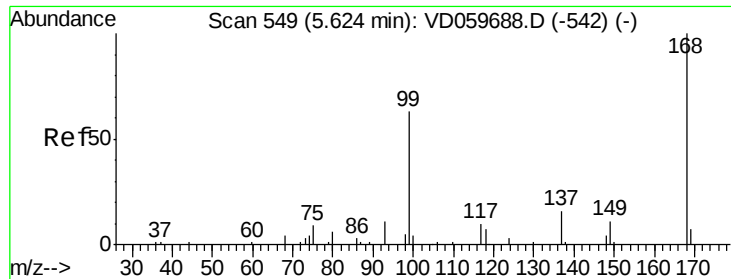
Instrument :
MSVOA_D
ClientSampleId :
TP-4

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Quant Time: Aug 08 08:54:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 08 02:03:19 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 549

Delta R.T. -0.00 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

Instrument :

MSVOA_D

ClientSampled :

TP-4

Tot Ion:168 Resp: 170513

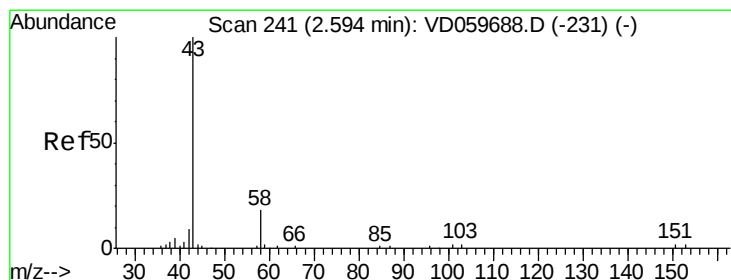
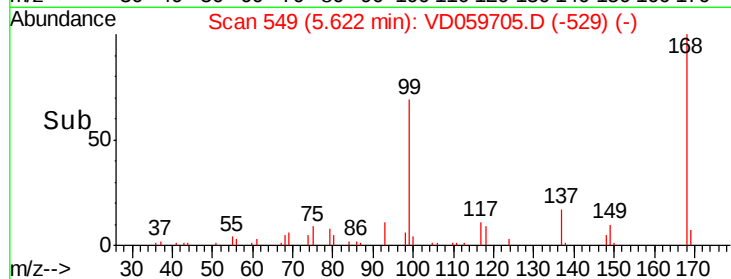
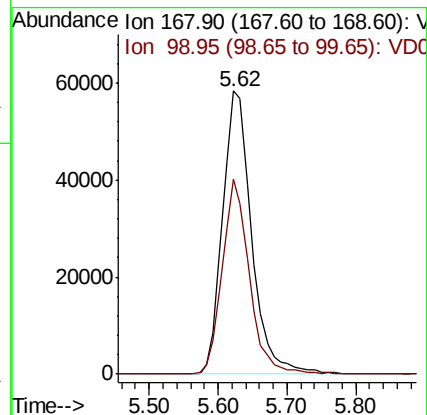
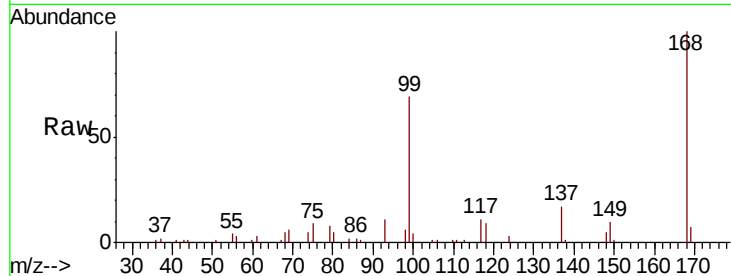
Ion Ratio Lower Upper

168 100

99 68.8 53.4 80.2

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#16

Acetone

Concen: 230.12 ug/l

RT: 2.59 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD059705.D

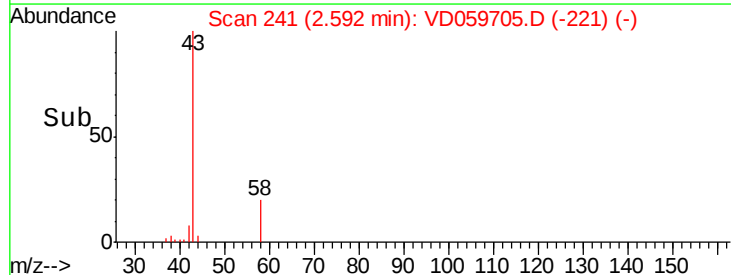
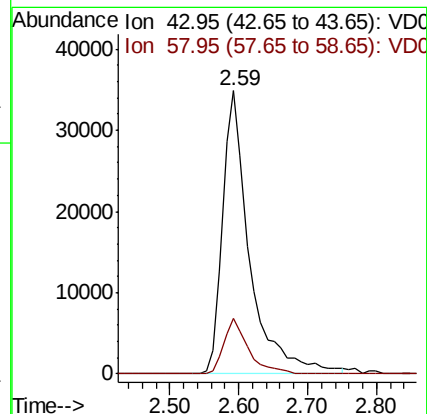
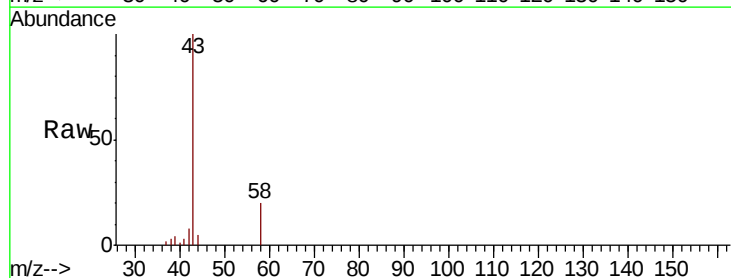
Acq: 7 Aug 2018 15:27

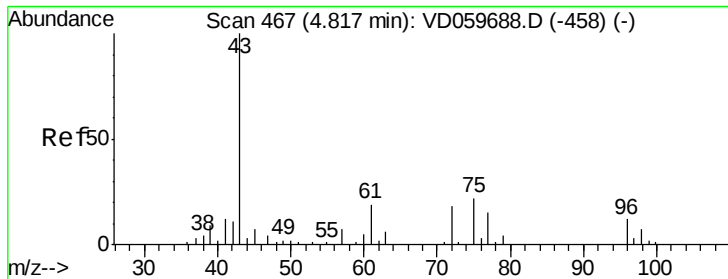
Tgt Ion: 43 Resp: 94818

Ion Ratio Lower Upper

43 100

58 19.8 14.2 21.2





#25

2-Butanone

Concen: 54.14 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

Instrument :

MSVOA_D

ClientSampled :

TP-4

Tot Ion: 43 Resp: 29298

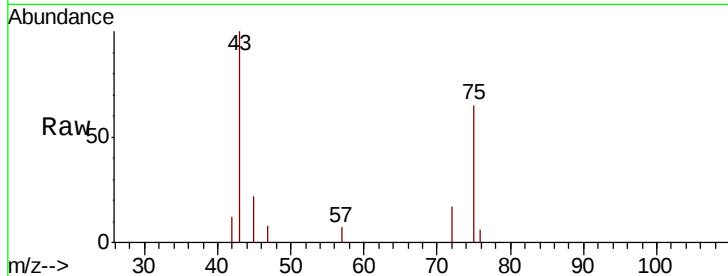
Ion Ratio Lower Upper

43 100

72 17.1 14.6 21.8

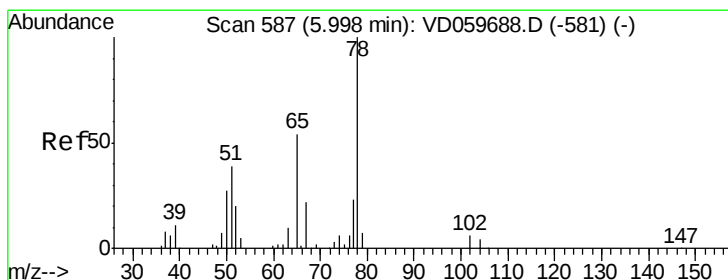
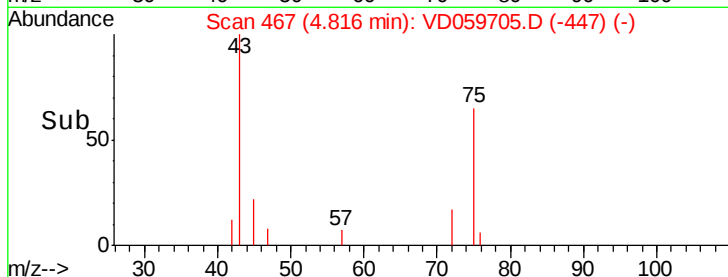
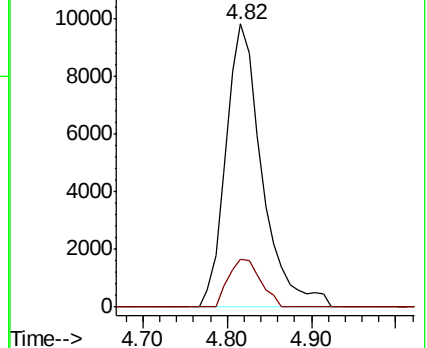
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.01 min

Lab File: VD059705.D

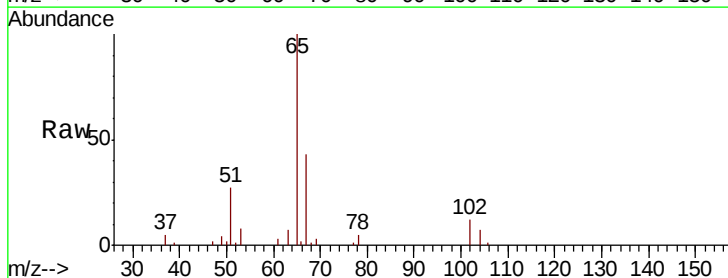
Acq: 7 Aug 2018 15:27

Tgt Ion: 65 Resp: 99014

Ion Ratio Lower Upper

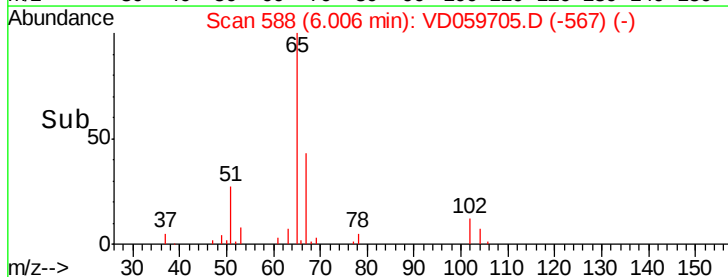
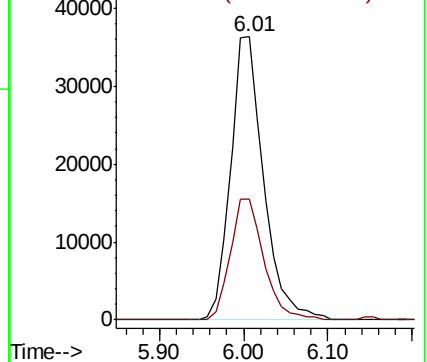
65 100

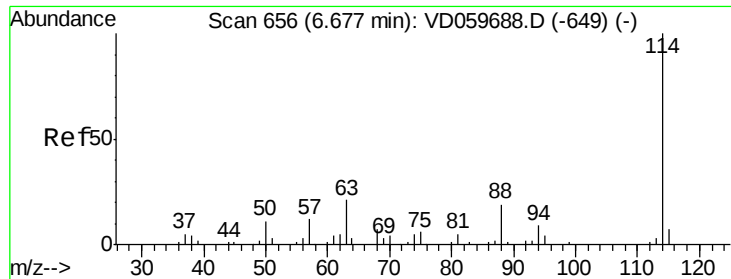
67 42.9 0.0 80.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





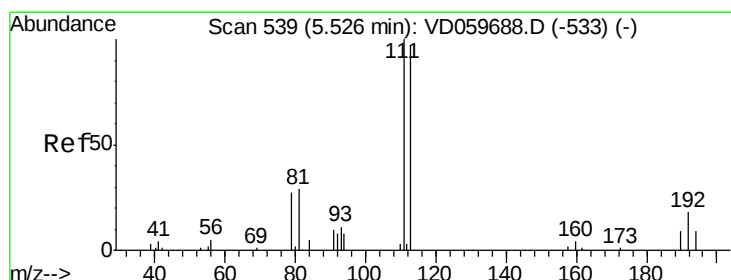
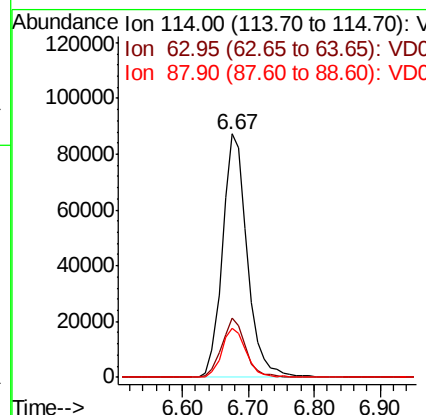
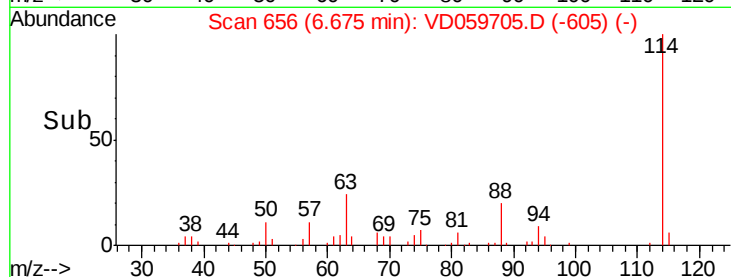
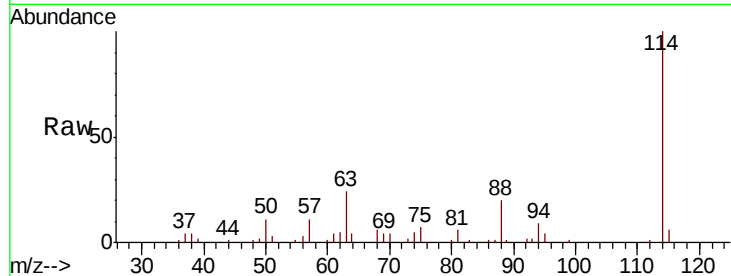
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.67 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD059705.D
 Acq: 7 Aug 2018 15:27

Instrument :
 MSVOA_D
 ClientSampled :
 TP-4

Tot Ion	Ratio	Resp	Lower	Upper
114	100	227583		
63	24.1	0.0	42.6	
88	20.3	0.0	38.8	

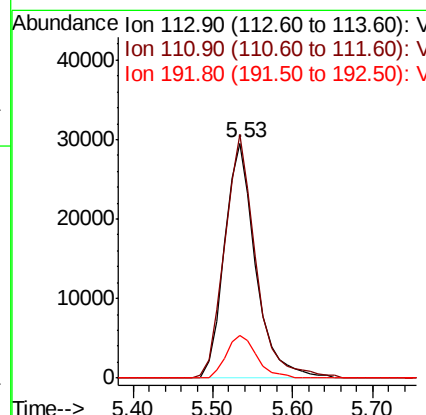
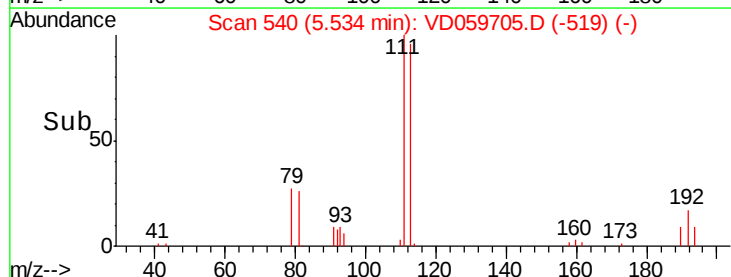
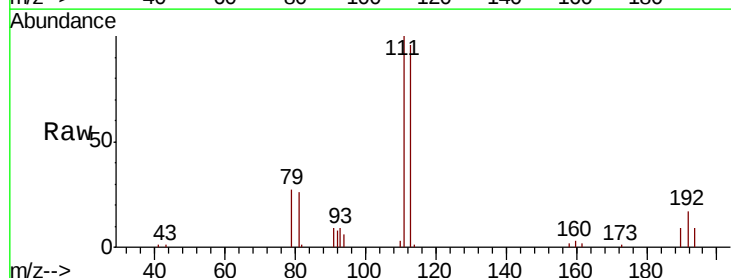
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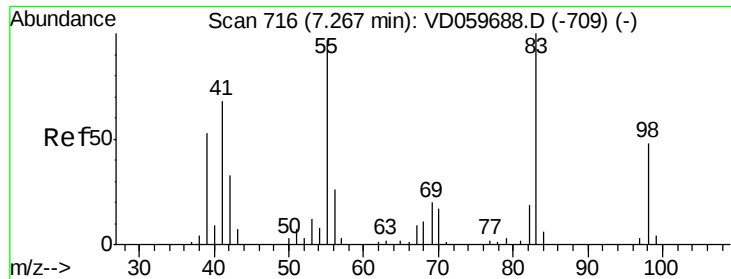
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#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.53 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VD059705.D
 Acq: 7 Aug 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	80859		
111	103.8	82.8	124.2	
192	18.0	14.6	22.0	





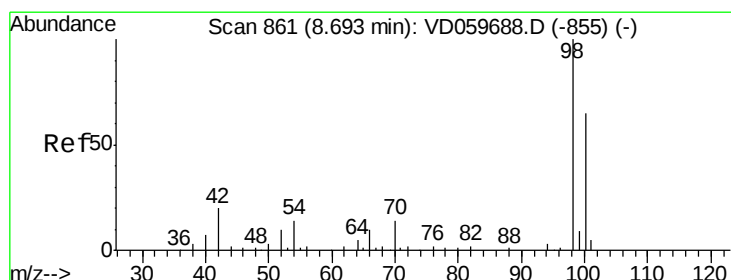
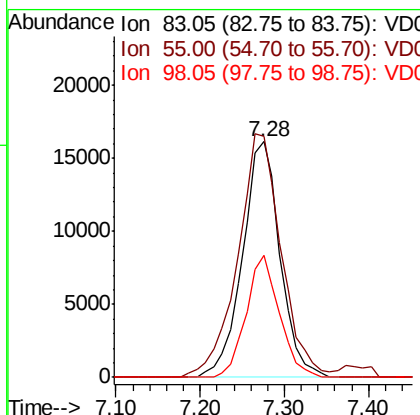
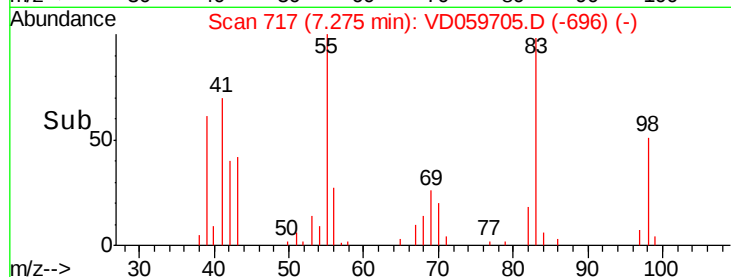
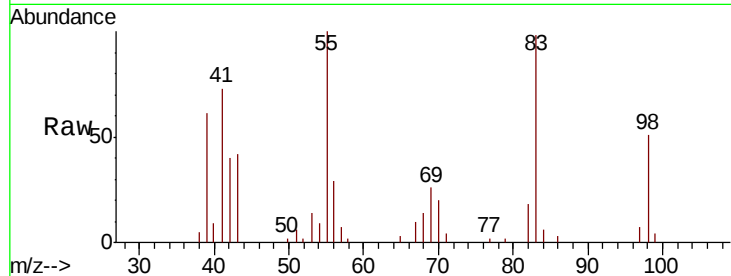
#39
Methylcyclohexane
Concen: 23.57 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.01 min
Lab File: VD059705.D
Acq: 7 Aug 2018 15:27

Instrument :
MSVOA_D
ClientSampled :
TP-4

Tot Ion	83	Resp	50404
Ion Ratio	100	Lower	Upper
83	100		
55	102.3	77.7	116.5
98	51.9	38.7	58.1

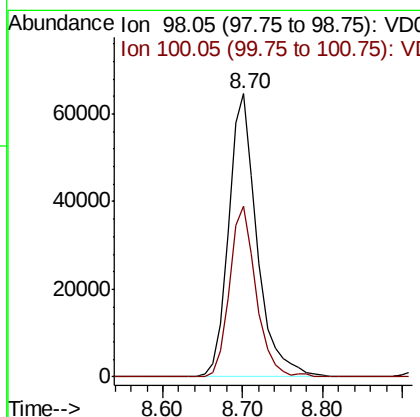
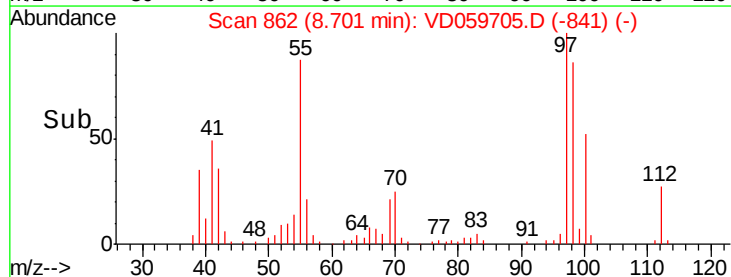
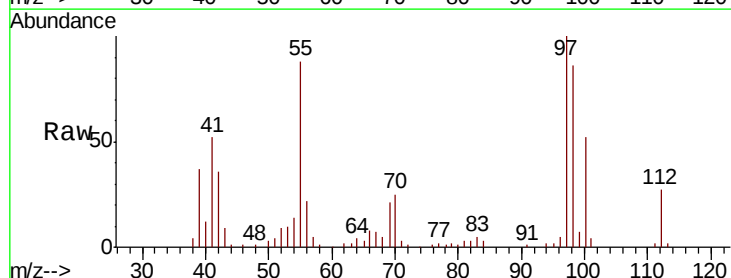
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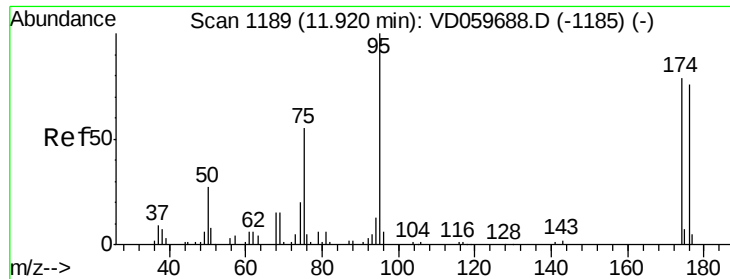
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#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 862
Delta R.T. 0.01 min
Lab File: VD059705.D
Acq: 7 Aug 2018 15:27

Tgt Ion	98	Resp	160399
Ion Ratio	100	Lower	Upper
98	100		
100	60.4	52.5	78.7





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 11.92 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

Instrument :

MSVOA_D

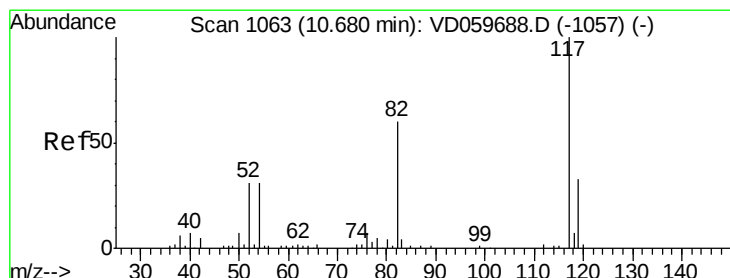
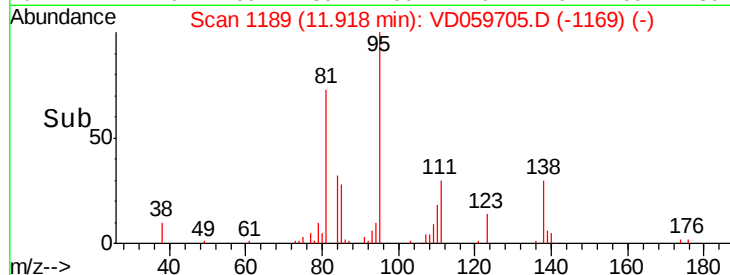
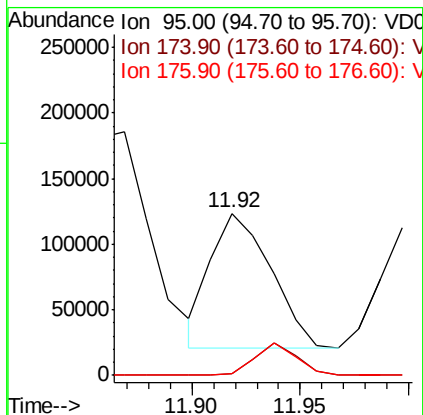
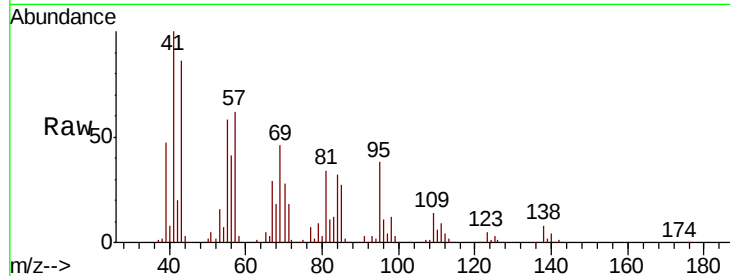
ClientSampled :

TP-4

Tot Ion:	95	Resp:	197382
Ion Ratio	Lower	Upper	
95	100		
174	1.2	0.0	158.4
176	1.2	0.0	153.0

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

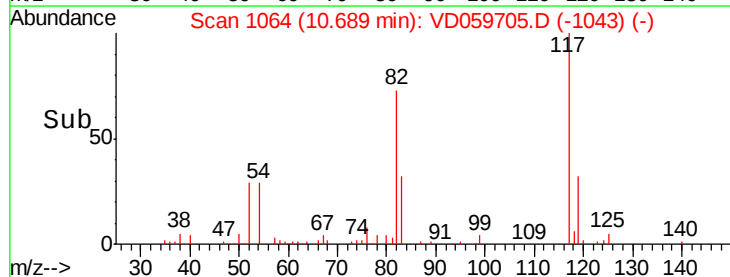
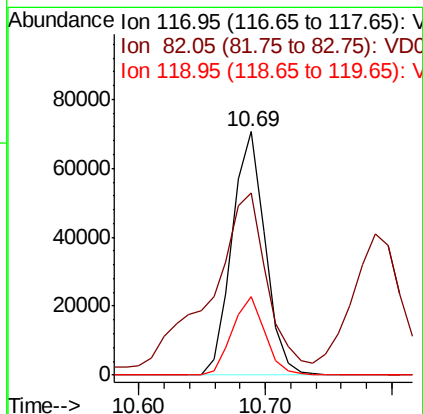
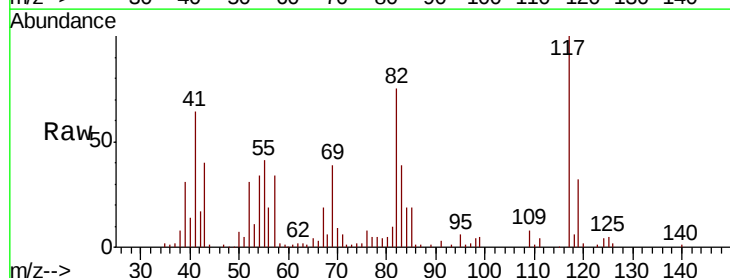
RT: 10.69 min Scan# 1064

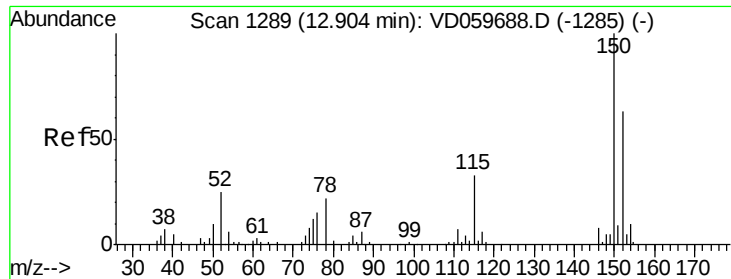
Delta R.T. 0.01 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

Tgt Ion:	117	Resp:	127526
Ion Ratio	Lower	Upper	
117	100		
82	74.8	47.7	71.5#
119	32.5	26.6	40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l m

RT: 12.92 min Scan# 1291

Delta R.T. 0.02 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

Instrument :

MSVOA_D

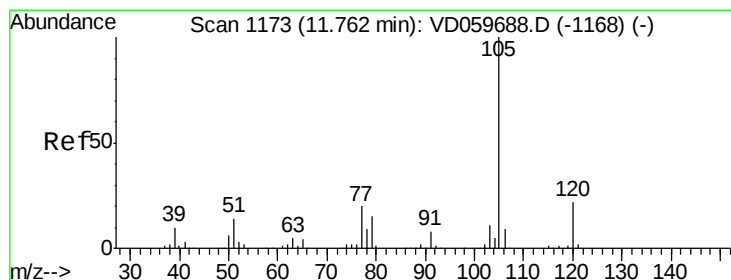
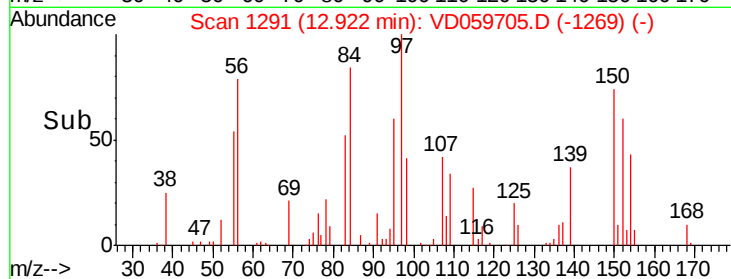
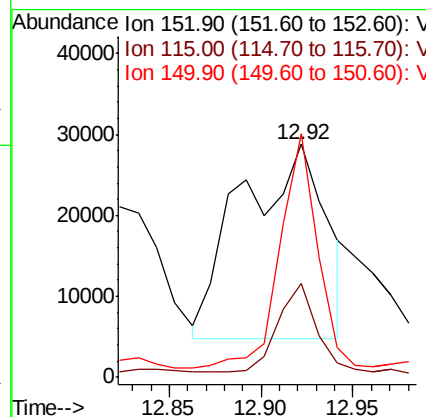
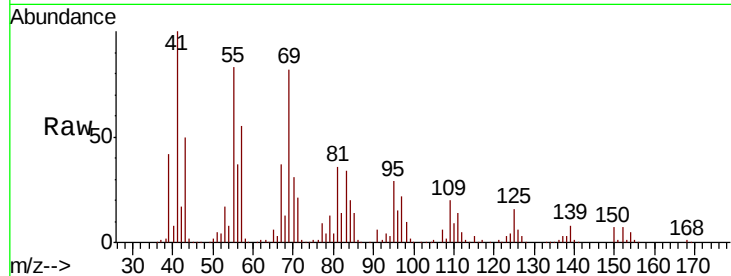
ClientSampled :

TP-4

Tot Ion:	152	Resp:	77394
Ion Ratio	Lower	Upper	
152	100		
115	40.2	28.8	86.4
150	104.5	0.0	318.0

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#73

Isopropylbenzene

Concen: 5.40 ug/l

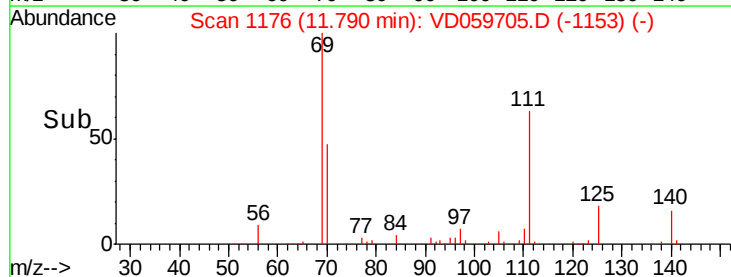
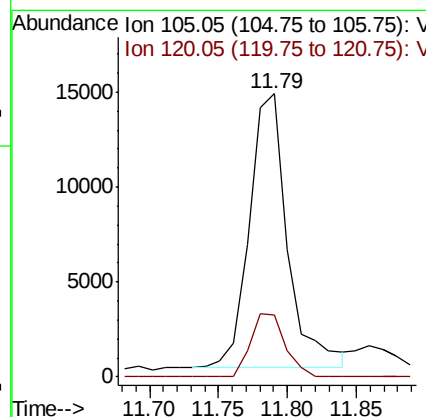
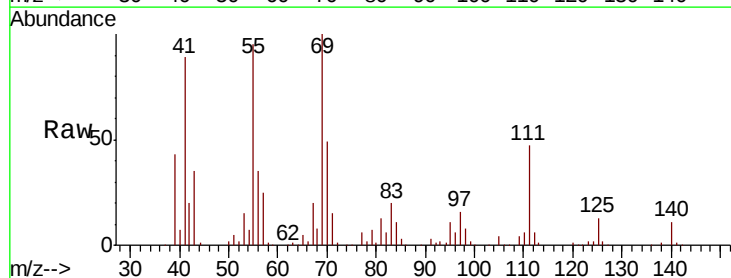
RT: 11.79 min Scan# 1176

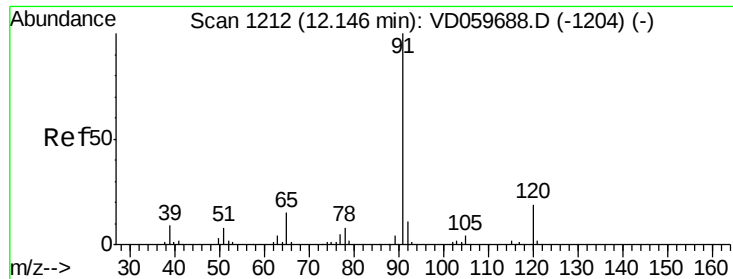
Delta R.T. 0.03 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

Tgt Ion:	105	Resp:	28071
Ion Ratio	Lower	Upper	
105	100		
120	21.8	10.8	32.3





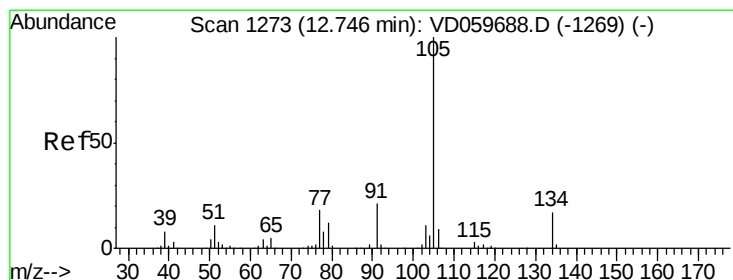
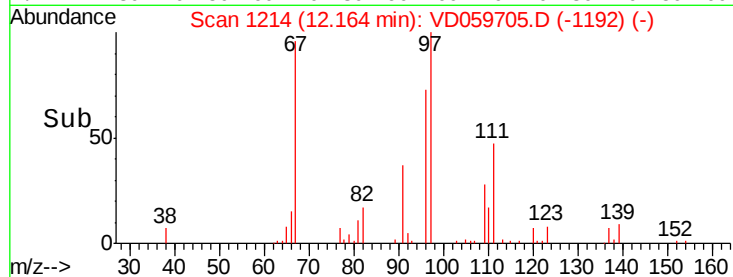
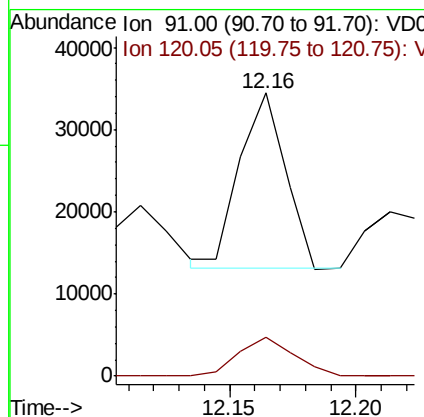
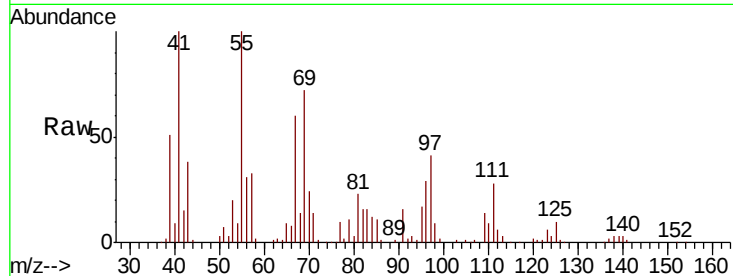
#78
 n-propylbenzene
 Concen: 4.19 ug/l
 RT: 12.16 min Scan# 1214
 Delta R.T. 0.02 min
 Lab File: VD059705.D
 Acq: 7 Aug 2018 15:27

Instrument :
 MSVOA_D
 ClientSampled :
 TP-4

Tot Ion	Ratio	Resp	Lower	Upper
91	100	26981		
120	13.9	9.5	28.5	

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#85
 sec-Butylbenzene
 Concen: 18.38 ug/l
 RT: 12.77 min Scan# 1276
 Delta R.T. 0.03 min
 Lab File: VD059705.D
 Acq: 7 Aug 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	98971		
134	21.6	8.3	24.9	

