

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080818\
 Data File : VD059713.D
 Acq On : 8 Aug 2018 15:14
 Operator : VA/AP
 Sample : J4297-06RE
 Misc : 5.29g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6RE

Manual Integrations
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Quant Time: Aug 08 16:12:05 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	5.64	168	171445	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	231143	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.69	117	114839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	55652m	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	108430	49.17	ug/l	0.02
Spiked Amount			Recovery	=	98.34%	
35) Dibromofluoromethane	5.55	113	92780	44.69	ug/l	0.03
Spiked Amount			Recovery	=	89.38%	
50) Toluene-d8	8.71	98	157626	34.88	ug/l	0.02
Spiked Amount			Recovery	=	69.76%	
62) 4-Bromofluorobenzene	11.93	95	221955	106.42	ug/l	0.00
Spiked Amount			Recovery	=	212.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.61	43	42755	103.20	ug/l	95
17) Carbon Disulfide	2.76	76	28781	9.46	ug/l #	95
25) 2-Butanone	4.84	43	16982	31.21	ug/l	92
39) Methylcyclohexane	7.29	83	28040	12.91	ug/l	87
52) Toluene	8.81	92	6487	2.04	ug/l	91
69) o-Xylene	11.42	106	5486m	4.05	ug/l	
73) Isopropylbenzene	11.79	105	24452m	6.54	ug/l	
83) tert-Butylbenzene	12.60	119	50124	14.37	ug/l #	58
85) sec-Butylbenzene	12.77	105	161180	41.62	ug/l	89

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

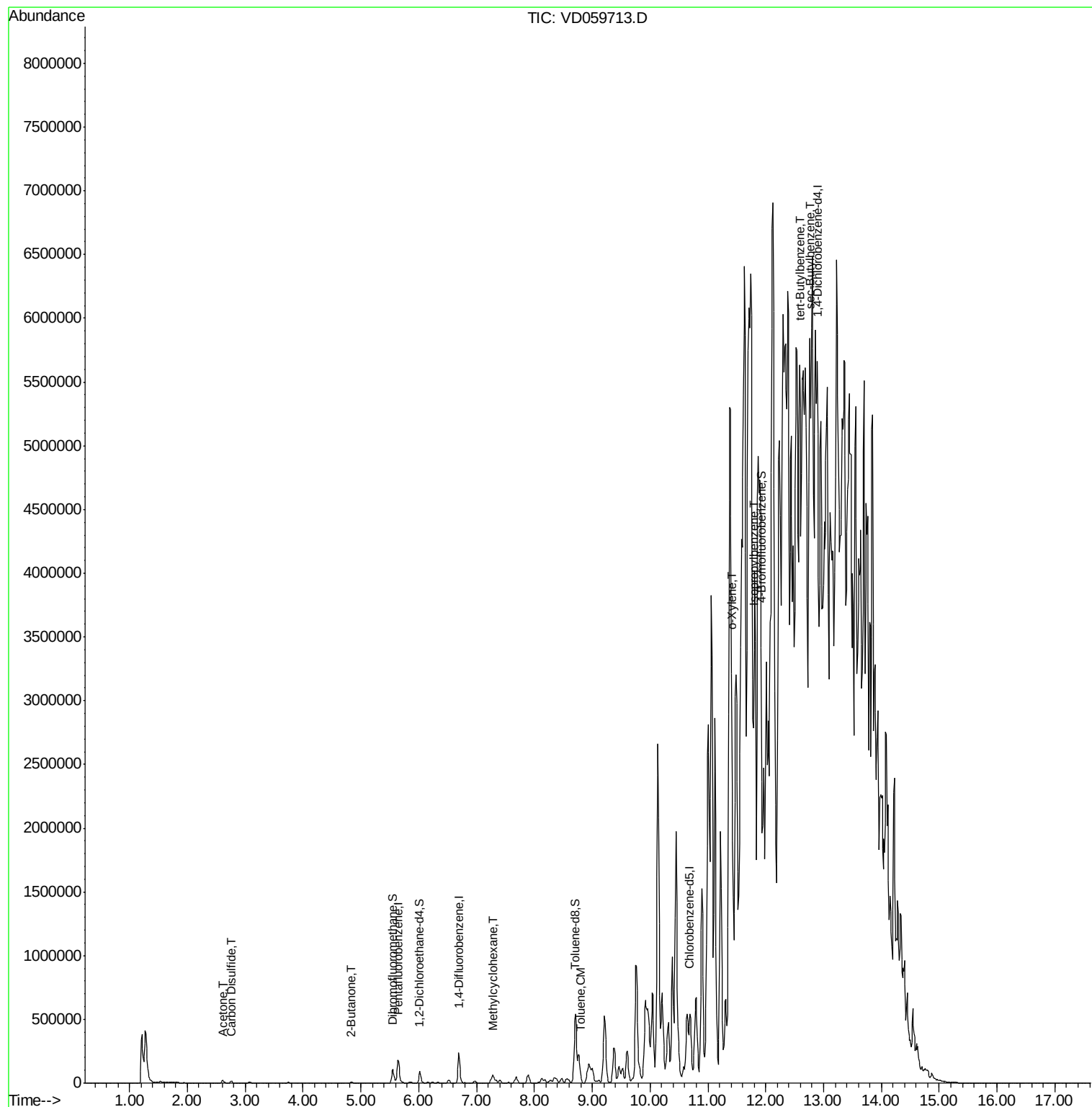
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080818\
Data File : VD059713.D
Acq On : 8 Aug 2018 15:14
Operator : VA/AP
Sample : J4297-06RE
Misc : 5.29g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

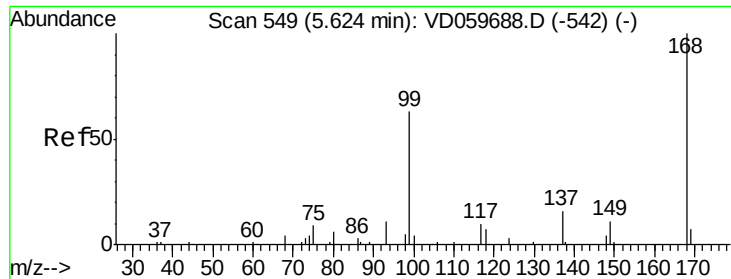
Instrument :
MSVOA_D
ClientSampleId :
TP-6RE

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Quant Time: Aug 08 16:12:05 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





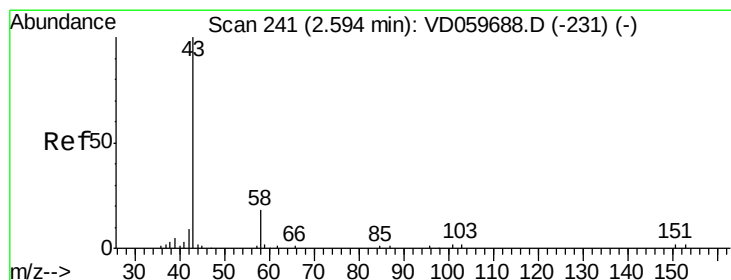
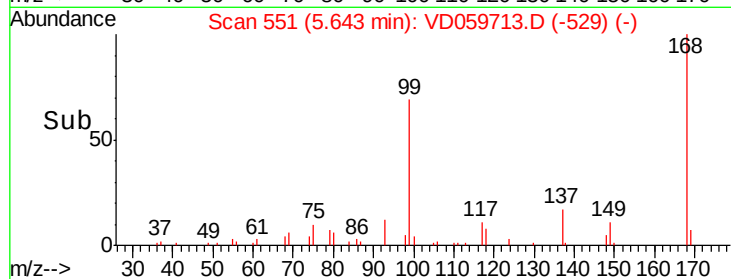
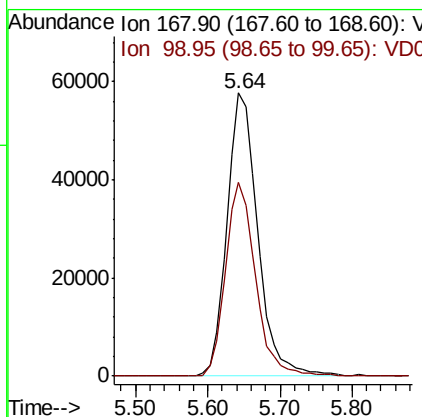
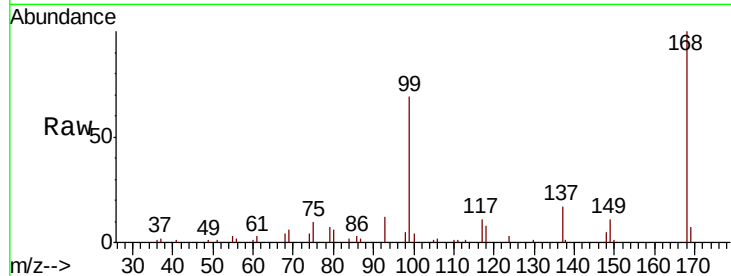
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.64 min Scan# 551
Delta R.T. 0.02 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

Instrument :
MSVOA_D
ClientSampleId :
TP-6RE

Tot Ion	Ratio	Lower	Upper
168	100		
99	68.7	53.4	80.2

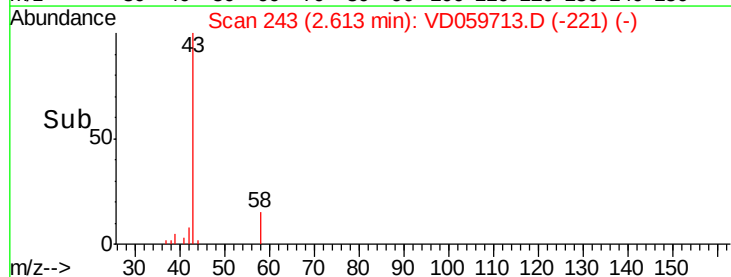
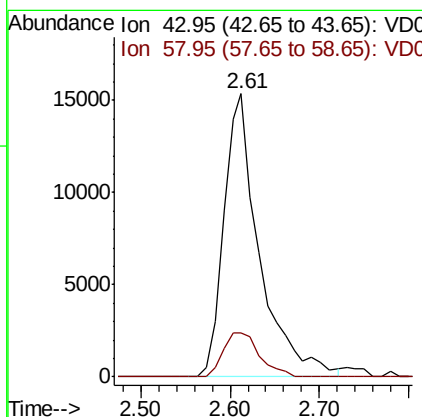
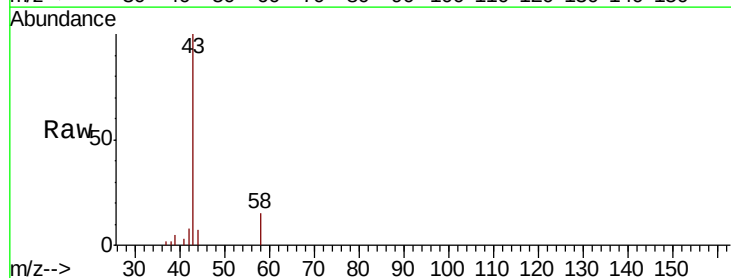
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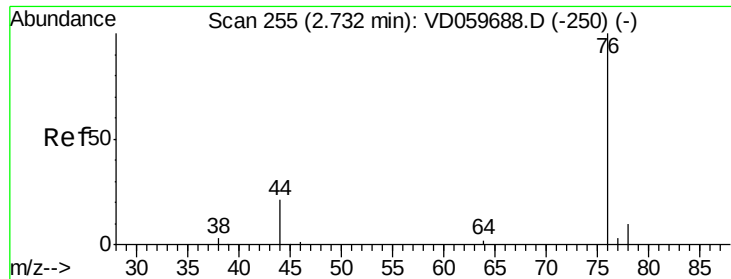
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#16
Acetone
Concen: 103.20 ug/l
RT: 2.61 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	15.4	14.2	21.2





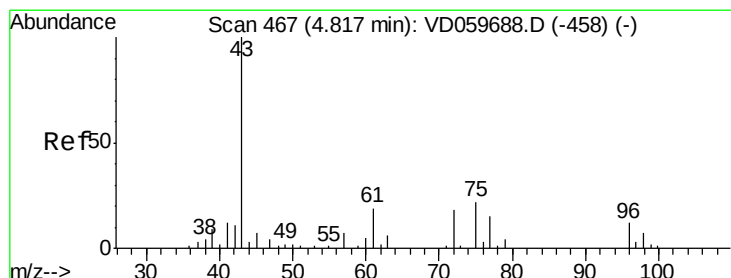
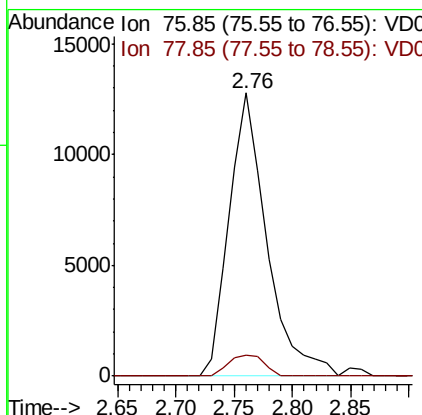
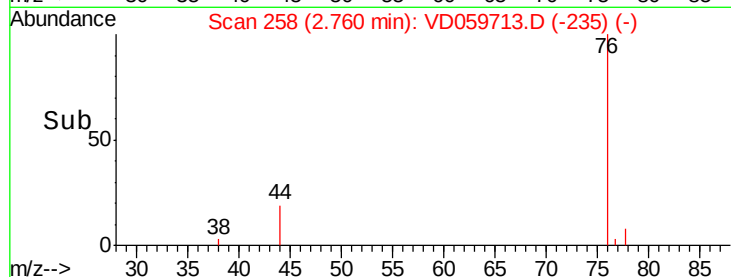
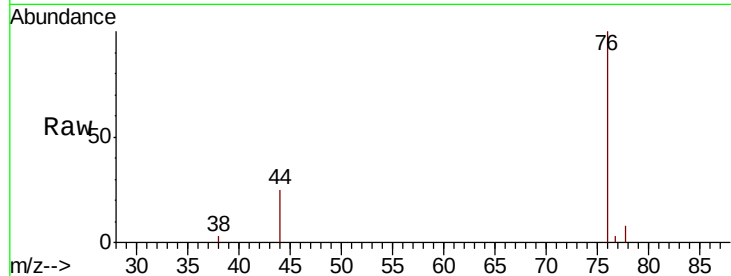
#17
Carbon Disulfide
Concen: 9.46 ug/l
RT: 2.76 min Scan# 258
Delta R.T. 0.03 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

Instrument :
MSVOA_D
ClientSampled :
TP-6RE

Tot Ion: 76 Resp: 28781
Ion Ratio Lower Upper
76 100
78 7.6 7.7 11.5#

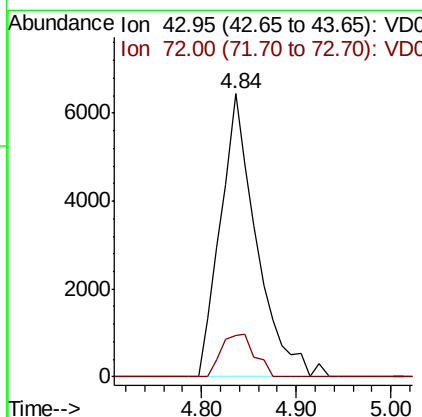
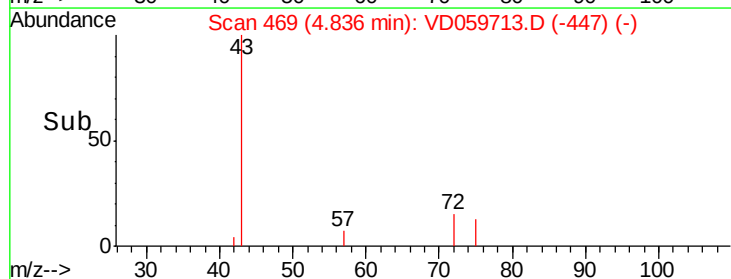
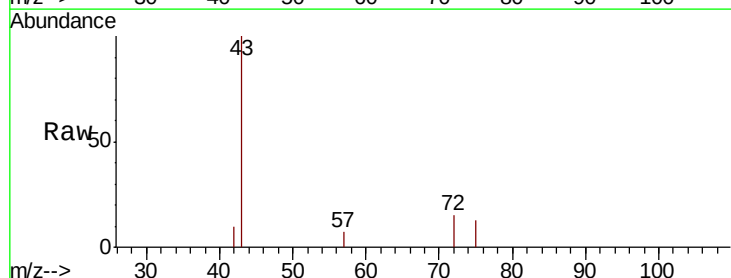
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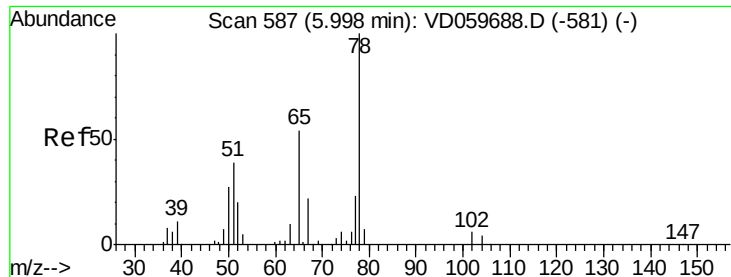
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#25
2-Butanone
Concen: 31.21 ug/l
RT: 4.84 min Scan# 469
Delta R.T. 0.02 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

Tgt Ion: 43 Resp: 16982
Ion Ratio Lower Upper
43 100
72 14.7 14.6 21.8





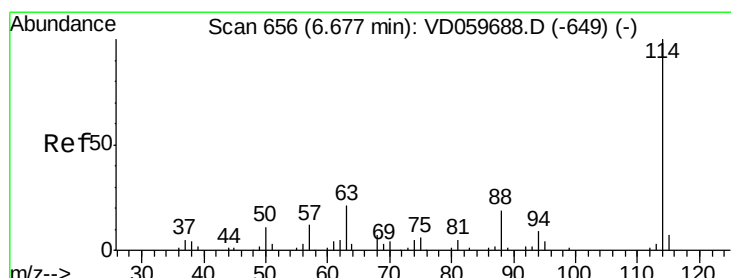
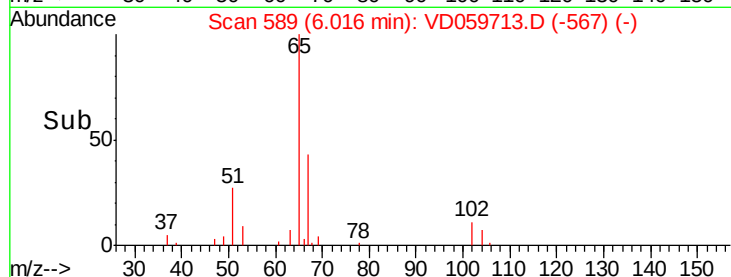
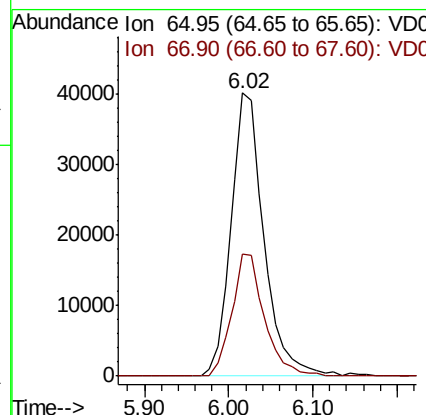
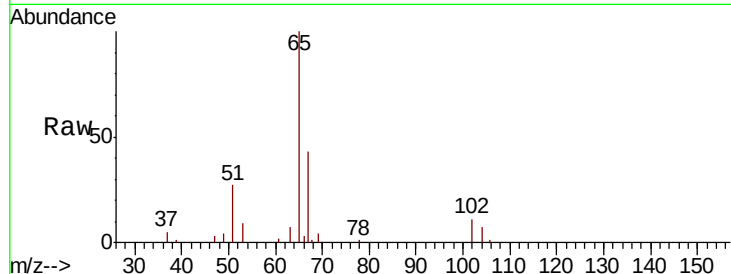
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.02 min
 Lab File: VD059713.D
 Acq: 8 Aug 2018 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6RE

Tot Ion	Ratio	Resp	Lower	Upper
65	100	108430		
67	43.2	0.0	80.4	

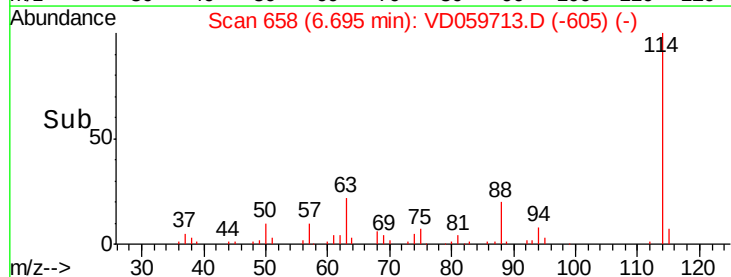
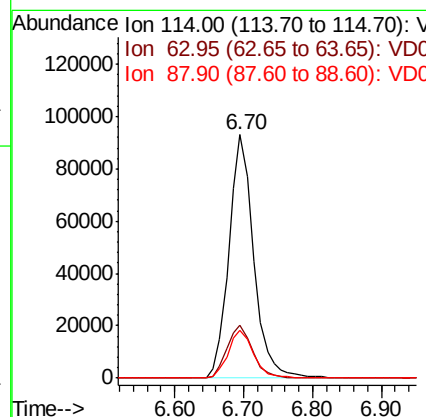
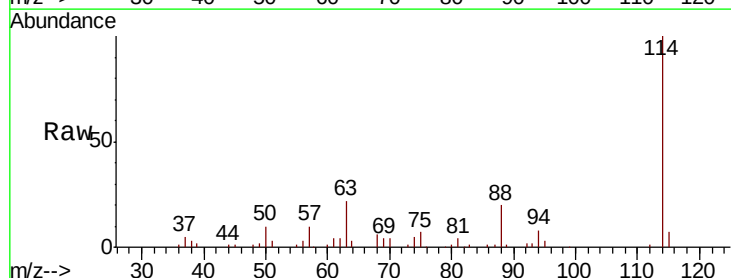
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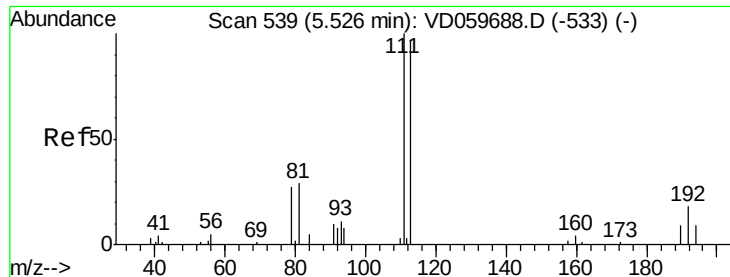
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.02 min
 Lab File: VD059713.D
 Acq: 8 Aug 2018 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	231143		
63	21.9	0.0	42.6	
88	19.9	0.0	38.8	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 542

Delta R.T. 0.03 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_D

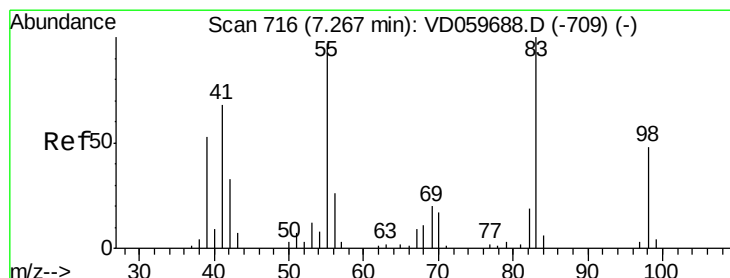
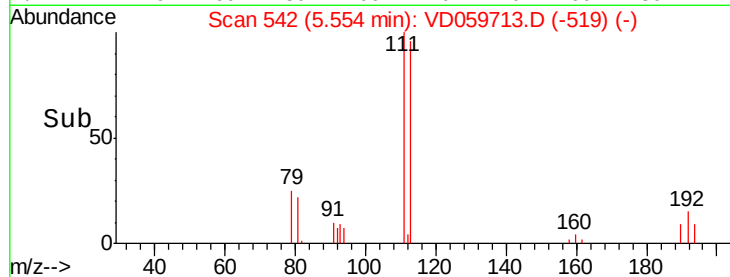
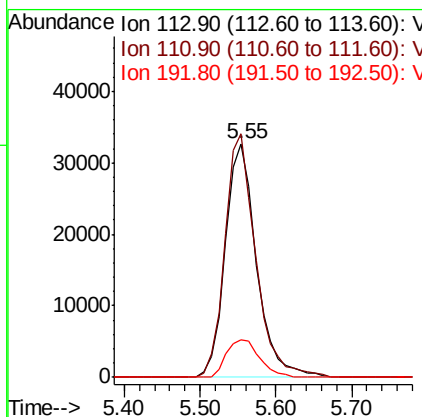
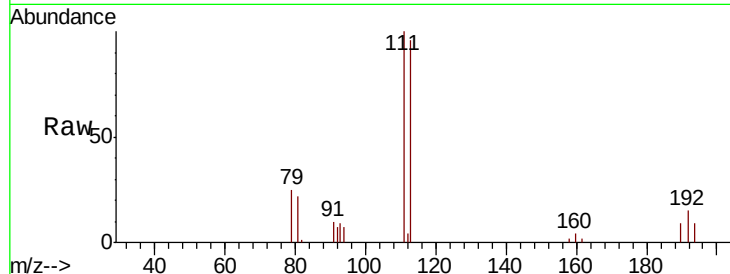
ClientSampleId :

TP-6RE

Tot Ion:	113	Resp:	92780
Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.8	124.2
192	16.1	14.6	22.0

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#39

Methylcyclohexane

Concen: 12.91 ug/l

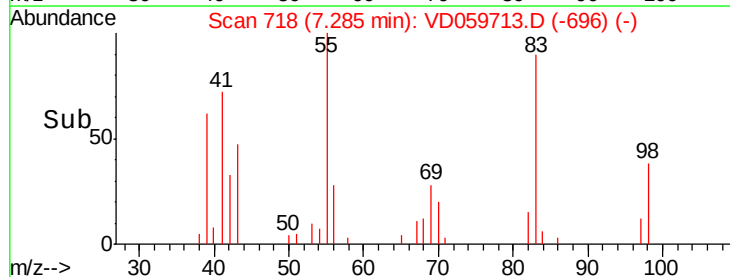
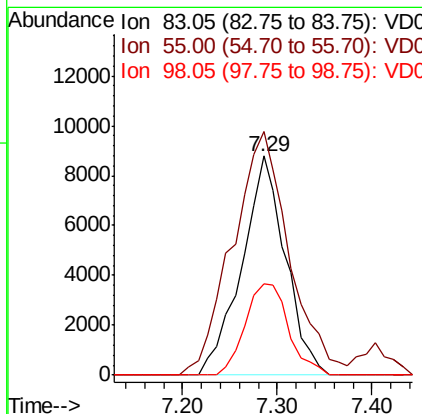
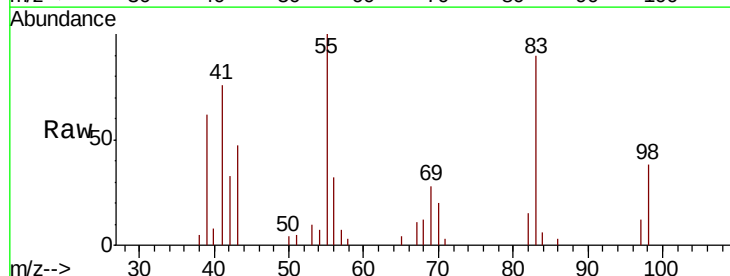
RT: 7.29 min Scan# 718

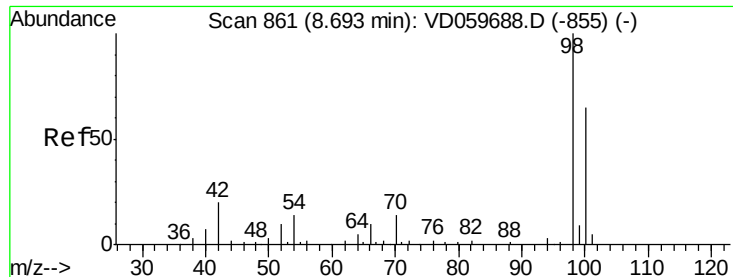
Delta R.T. 0.02 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

Tgt Ion:	83	Resp:	28040
Ion	Ratio	Lower	Upper
83	100		
55	111.3	77.7	116.5
98	41.9	38.7	58.1





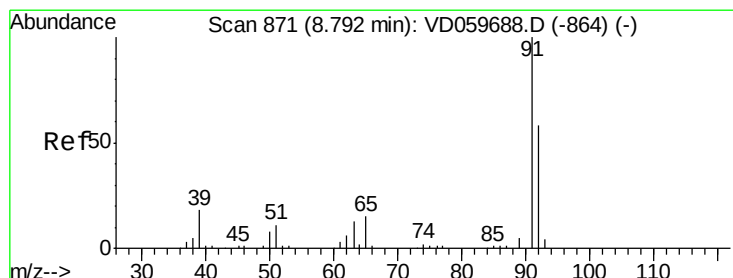
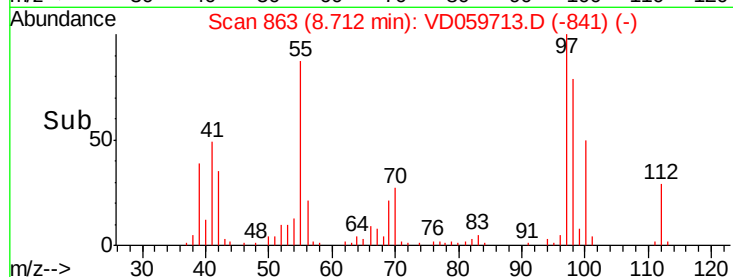
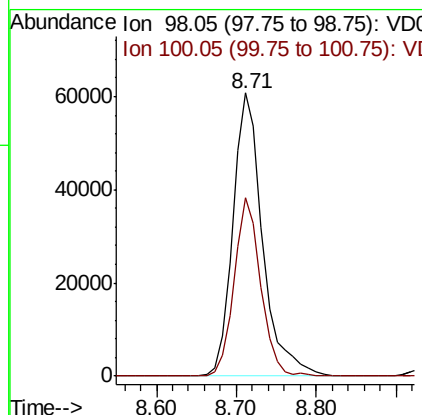
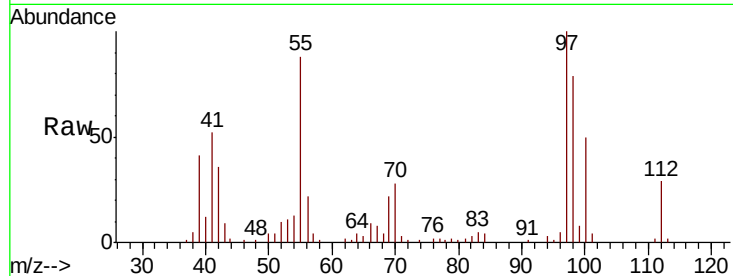
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 863
Delta R.T. 0.02 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

Instrument :
MSVOA_D
ClientSampled :
TP-6RE

Tot Ion: 98 Resp: 157626
Ion Ratio Lower Upper
98 100
100 63.1 52.5 78.7

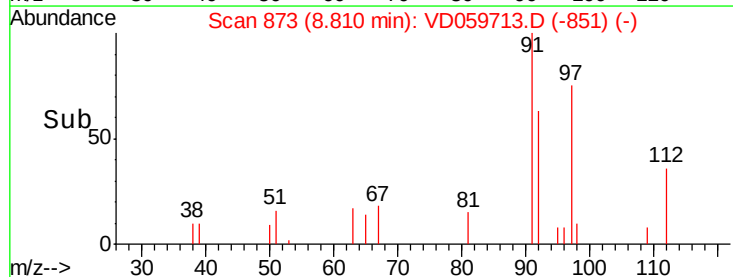
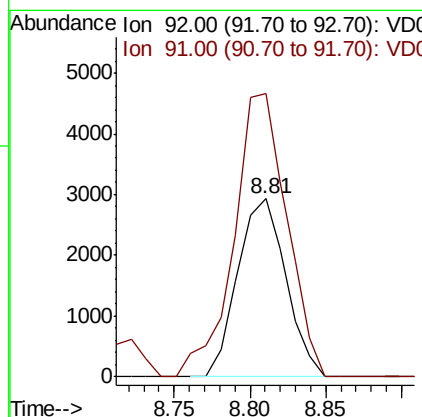
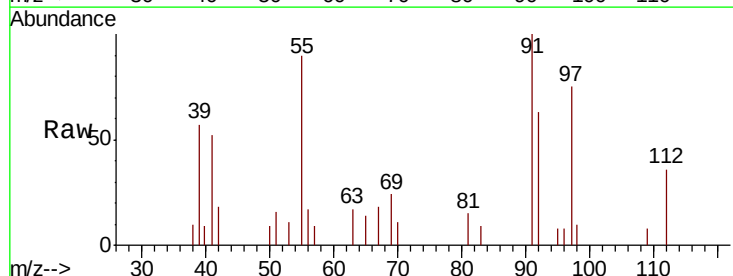
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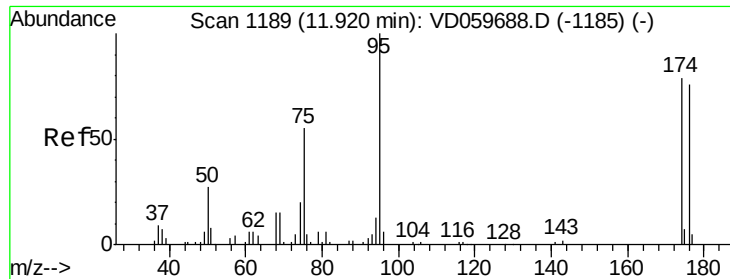
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#52
Toluene
Concen: 2.04 ug/l
RT: 8.81 min Scan# 873
Delta R.T. 0.02 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

Tgt Ion: 92 Resp: 6487
Ion Ratio Lower Upper
92 100
91 159.2 137.0 205.6





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_D

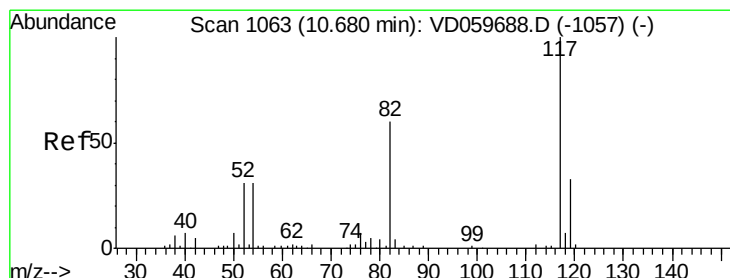
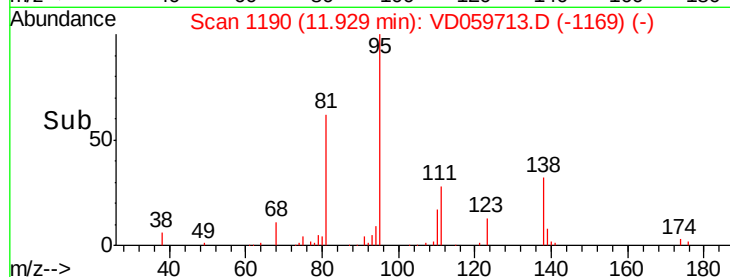
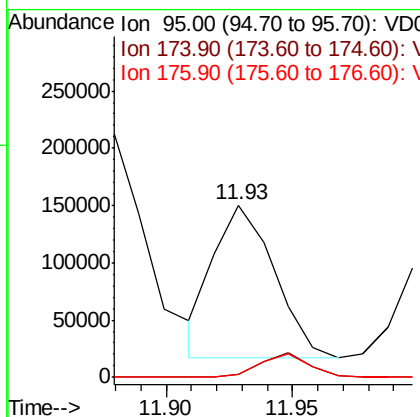
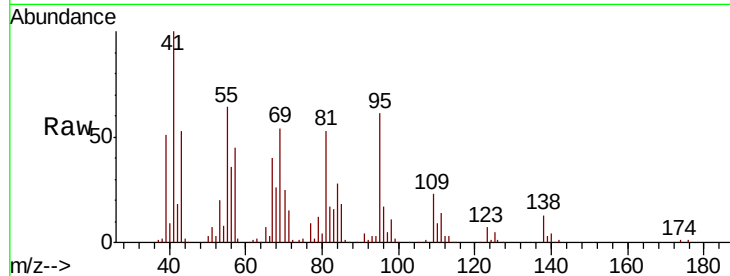
ClientSampled :

TP-6RE

Tot Ion:	95	Resp:	221955
Ion Ratio	Lower	Upper	
95	100		
174	1.6	0.0	158.4
176	1.5	0.0	153.0

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

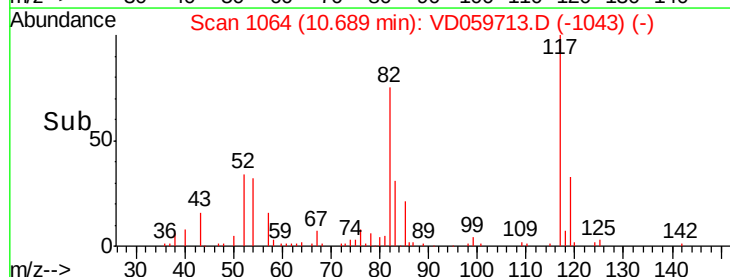
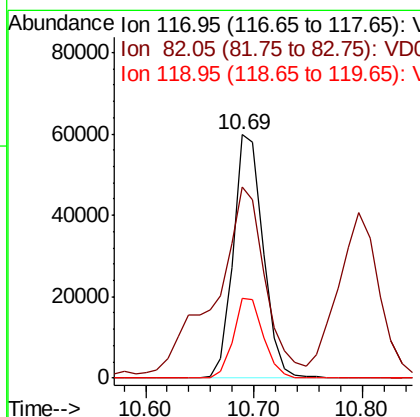
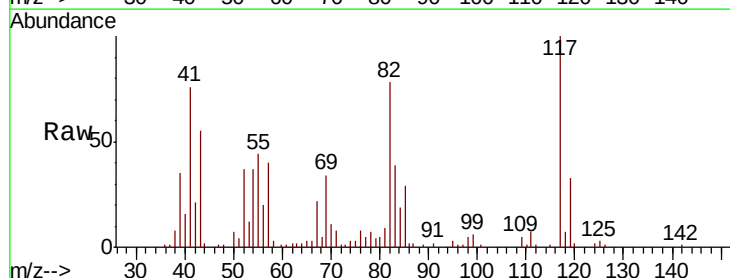
RT: 10.69 min Scan# 1064

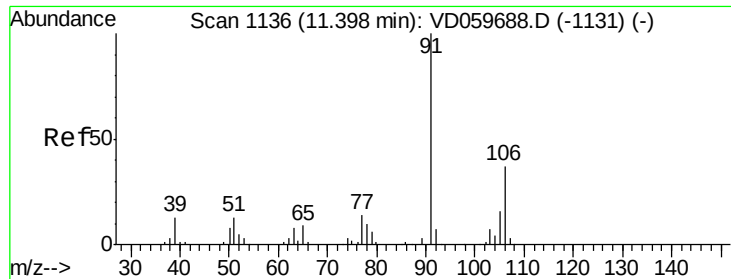
Delta R.T. 0.01 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

Tgt Ion:	117	Resp:	114839
Ion Ratio	Lower	Upper	
117	100		
82	78.4	47.7	71.5#
119	32.7	26.6	40.0





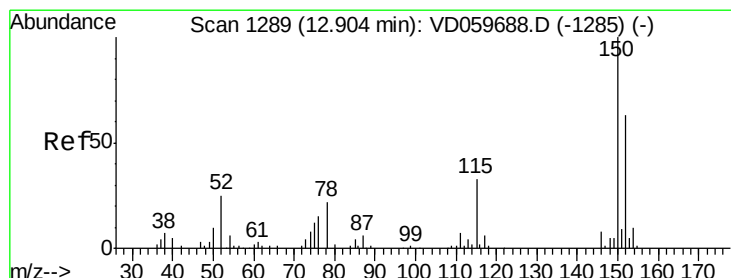
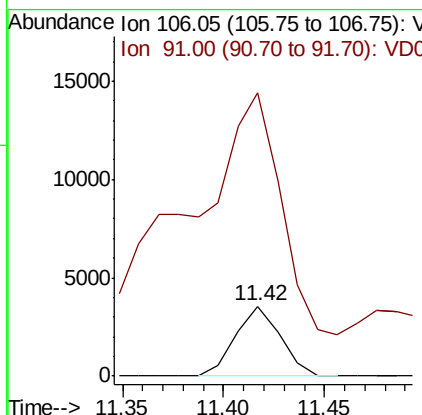
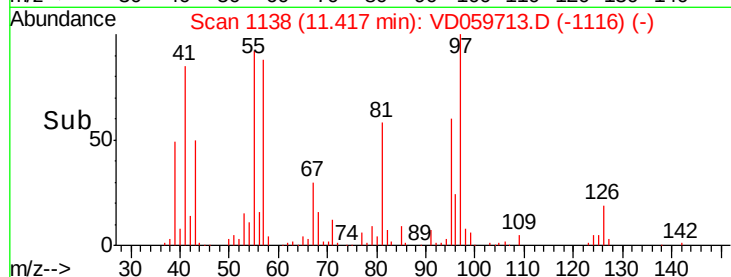
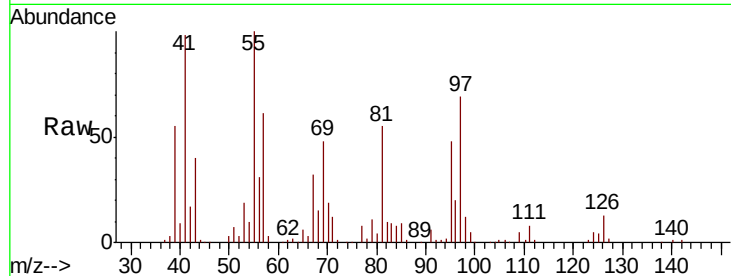
#69
o-Xylene
Concen: 4.05 ug/l m
RT: 11.42 min Scan# 1138
Delta R.T. 0.02 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

Instrument :
MSVOA_D
ClientSampled :
TP-6RE

Tot Ion:106 Resp: 5486
Ion Ratio Lower Upper
106 100
91 403.2 135.2 405.6

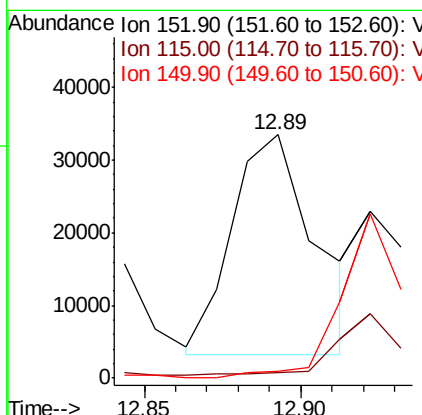
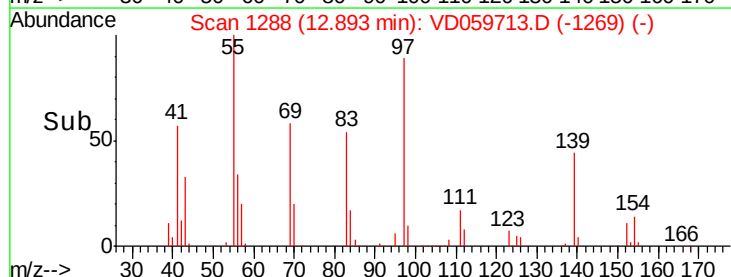
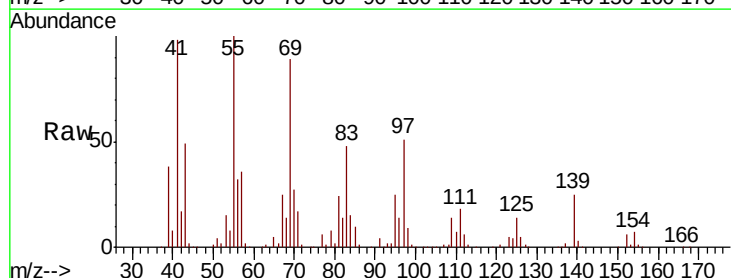
Manual Integrations
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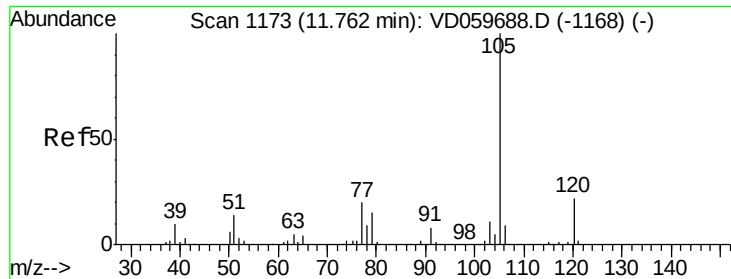
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l m
RT: 12.89 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

Tgt Ion:152 Resp: 55652
Ion Ratio Lower Upper
152 100
115 2.1 28.8 86.4#
150 2.5 0.0 318.0





#73

Isopropylbenzene

Concen: 6.54 ug/l m

RT: 11.79 min Scan# 1176

Delta R.T. 0.03 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_D

ClientSampled :

TP-6RE

Tot Ion:105 Resp: 24452

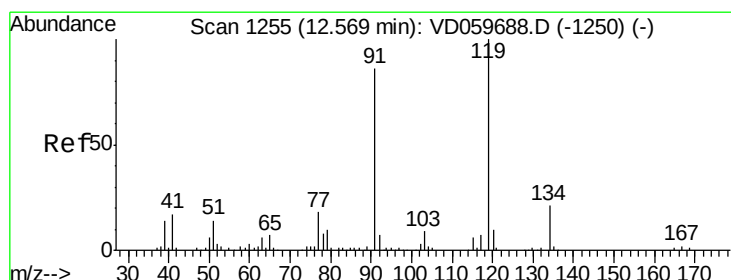
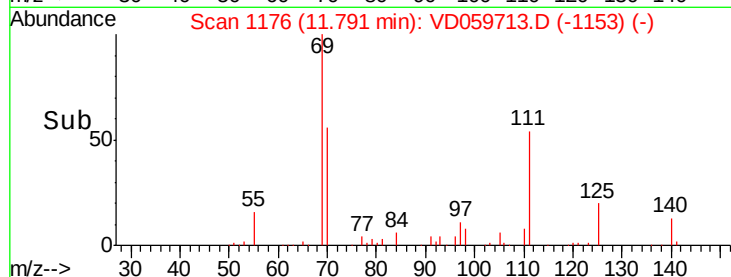
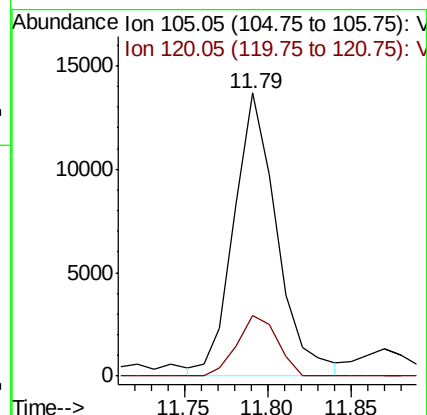
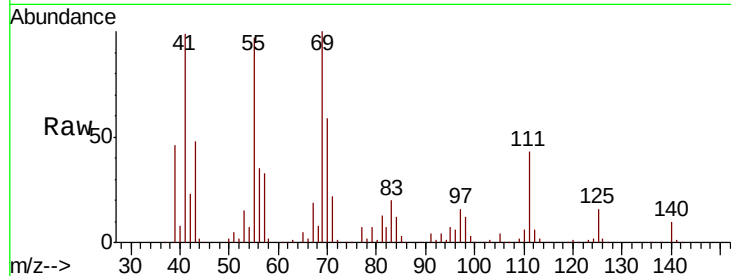
Ion Ratio Lower Upper

105 100

120 21.5 10.8 32.3

Manual Integrations
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#83

tert-Butylbenzene

Concen: 14.37 ug/l

RT: 12.60 min Scan# 1258

Delta R.T. 0.03 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

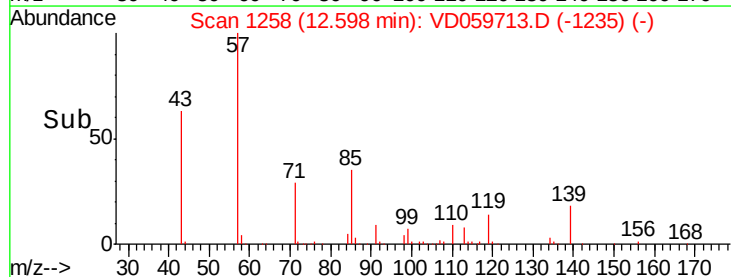
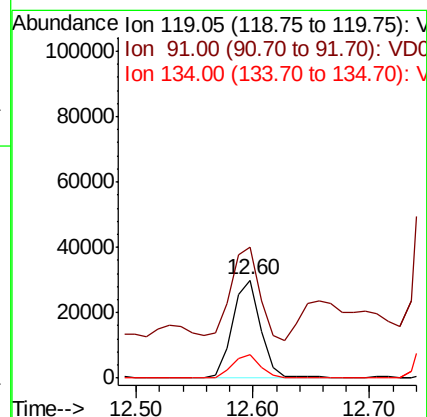
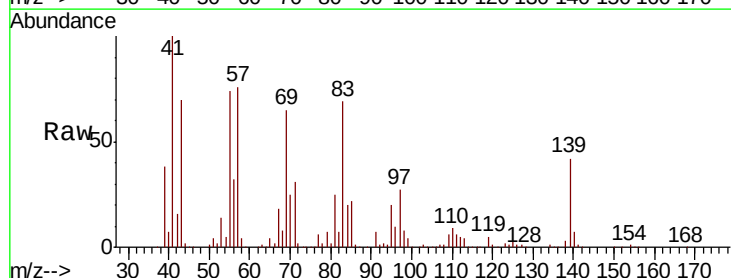
Tgt Ion:119 Resp: 50124

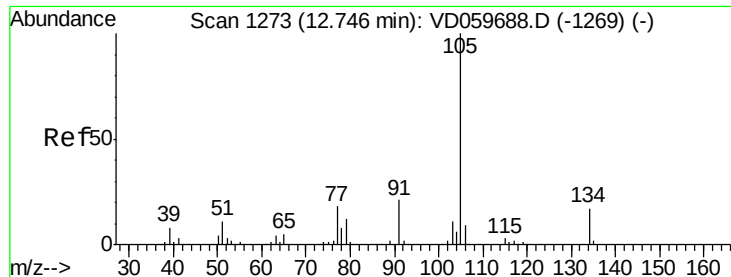
Ion Ratio Lower Upper

119 100

91 133.2 43.3 129.9#

134 24.5 10.5 31.6





#85
 sec-Butylbenzene
 Concen: 41.62 ug/l
 RT: 12.77 min Scan# 1276
 Delta R.T. 0.03 min
 Lab File: VD059713.D
 Acq: 8 Aug 2018 15:14

Instrument :
 MSVOA_D
 ClientSampled :
 TP-6RE

Tot Ion	Ratio	Resp	Lower	Upper
105	100	161180		
134	21.5	8.3	24.9	

Manual Integrations
 APPROVED

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