

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059889.D
 Acq On : 23 Aug 2018 15:39
 Operator : JC/SY
 Sample : J4559-06RE
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-SSW-115-050RE

Manual Integrations
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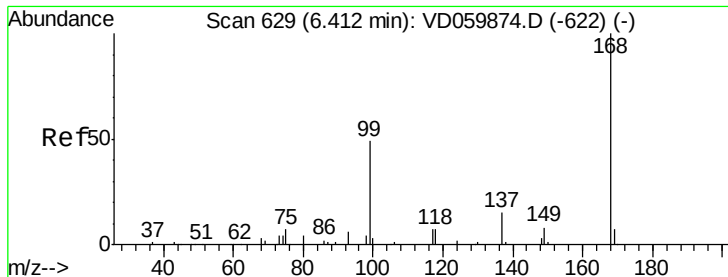
Quant Time: Aug 24 05:44:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	320274	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	612285	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	348933	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	98309	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	315317	116.81	ug/l	-0.03
Spiked Amount			Recovery	=	233.62%	
35) Dibromofluoromethane	6.31	113	318028	66.25	ug/l	-0.03
Spiked Amount			Recovery	=	132.50%	
50) Toluene-d8	9.45	98	516641	38.78	ug/l	-0.02
Spiked Amount			Recovery	=	77.56%	
62) 4-Bromofluorobenzene	12.42	95	152123	28.11	ug/l	-0.02
Spiked Amount			Recovery	=	56.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.15	43	29754	60.50	ug/l	95
20) Methylene Chloride	3.70	84	32290	6.61	ug/l	96
25) 2-Butanone	5.62	43	19188	13.17	ug/l	98
51) 4-Methyl-2-Pentanone	9.34	43	20241	4.83	ug/l	92
67) Ethyl Benzene	11.42	91	67897	5.82	ug/l	98
68) m/p-Xylenes	11.55	106	232681	54.78	ug/l	87
69) o-Xylene	11.93	106	30392	7.32	ug/l	86
73) Isopropylbenzene	12.27	105	28676	4.57	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.58	83	22615	15.58	ug/l #	51
78) n-propylbenzene	12.64	91	11088	1.40	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	22493	4.51	ug/l	93
84) 1,2,4-Trimethylbenzene	13.09	105	48230	9.27	ug/l	99
85) sec-Butylbenzene	13.22	105	29453	4.41	ug/l	99
86) p-Isopropyltoluene	13.33	119	17167	3.16	ug/l	86
89) n-Butylbenzene	13.64	91	17081m	1.90	ug/l	
95) Naphthalene	14.97	128	17237	4.99	ug/l #	92

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.40 min Scan# 627

Delta R.T. -0.02 min

Lab File: VD059889.D

Acq: 23 Aug 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-SSW-115-050RE

Tot Ion:168 Resp: 320274

Ion Ratio Lower Upper

168 100

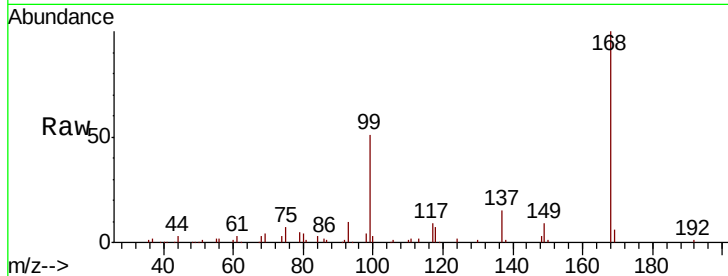
99 51.1 42.2 63.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

150000

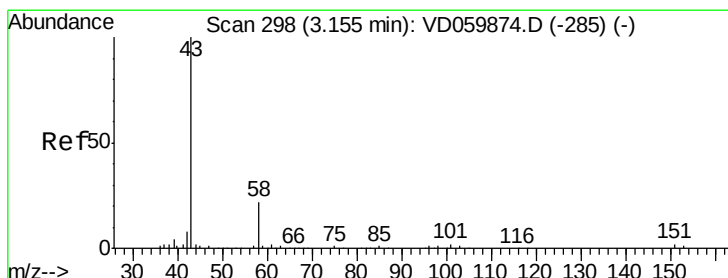
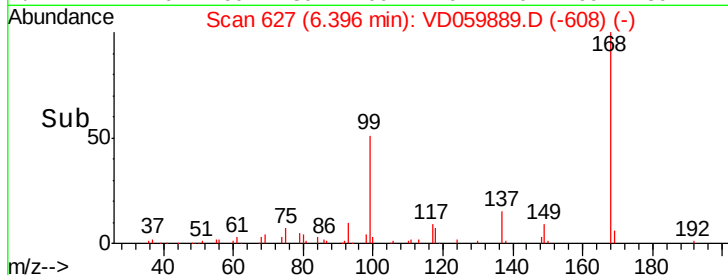
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50000

0

6.30 6.40 6.50 6.60

Time-->



#16

Acetone

Concen: 60.50 ug/l

RT: 3.15 min Scan# 297

Delta R.T. -0.01 min

Lab File: VD059889.D

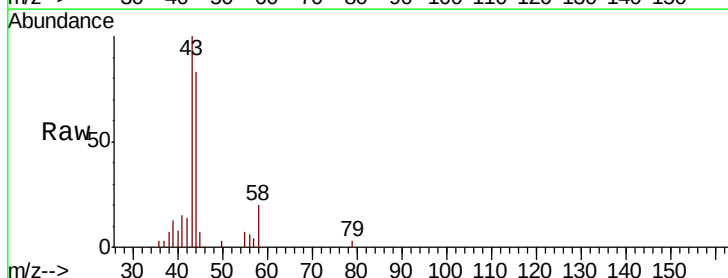
Acq: 23 Aug 2018 15:39

Tgt Ion: 43 Resp: 29754

Ion Ratio Lower Upper

43 100

58 19.6 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.15

12000

10000

8000

6000

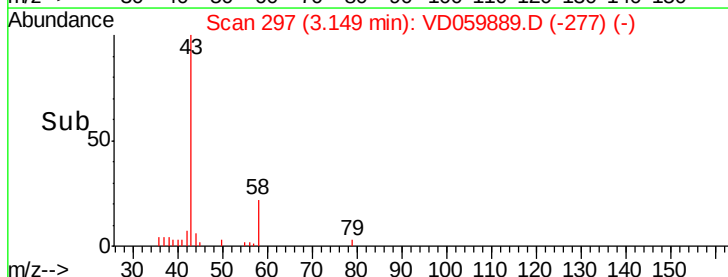
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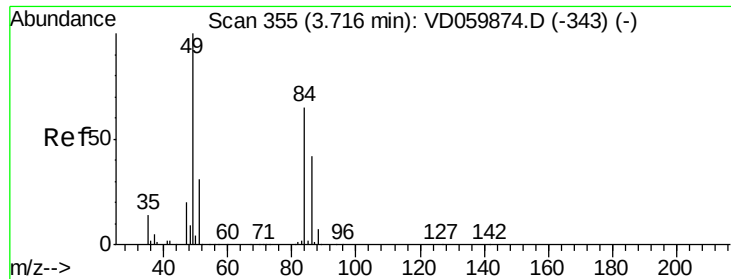
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3.10 3.20 3.30

Time-->





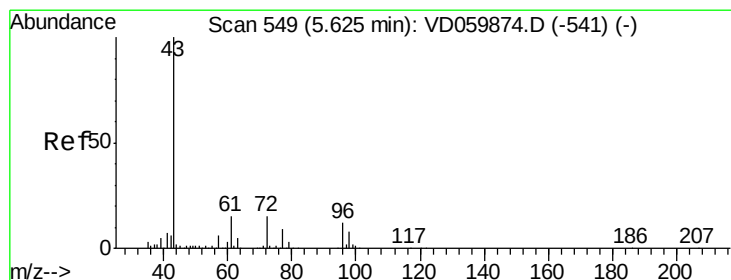
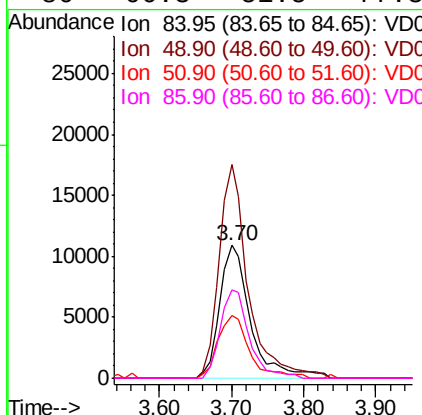
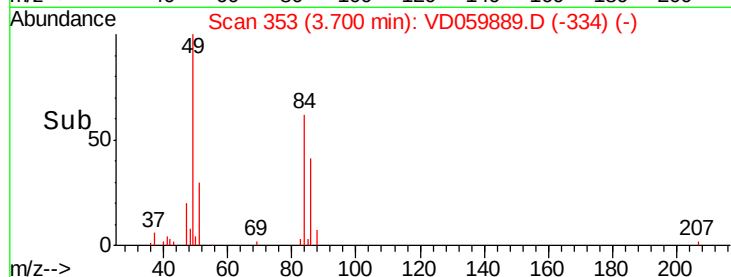
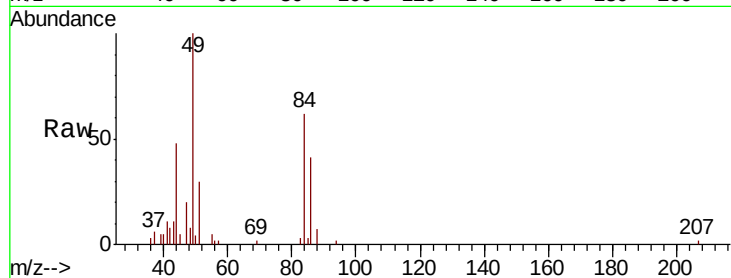
#20
Methylene Chloride
Concen: 6.61 ug/l
RT: 3.70 min Scan# 353
Delta R.T. -0.02 min
Lab File: VD059889.D
Acq: 23 Aug 2018 15:39

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-115-050RE

Tot Ion	Ratio	Lower	Upper
84	100		
49	160.6	122.6	183.8
51	47.5	38.4	57.6
86	66.3	51.5	77.3

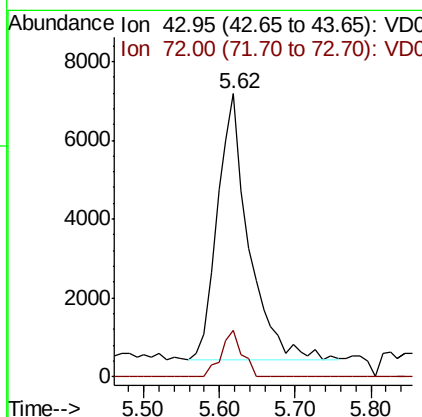
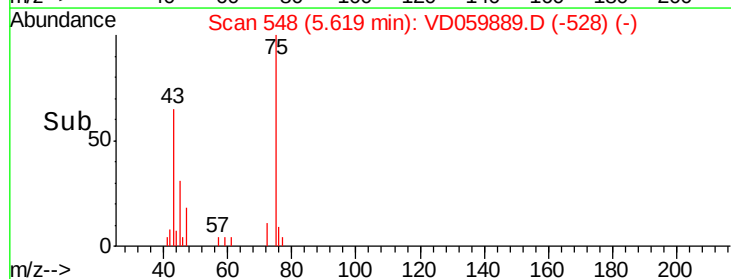
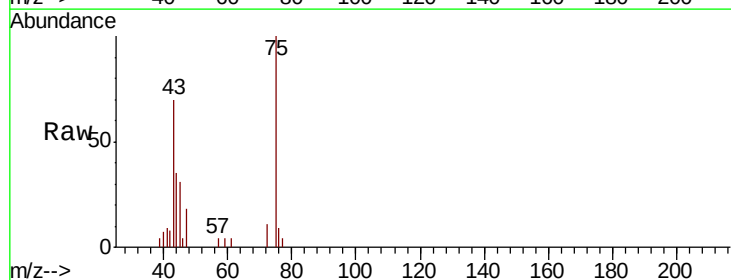
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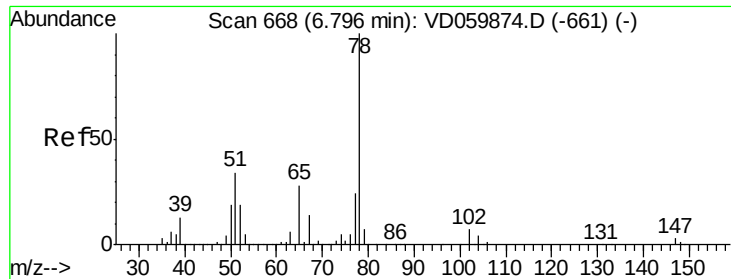
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#25
2-Butanone
Concen: 13.17 ug/l
RT: 5.62 min Scan# 548
Delta R.T. -0.01 min
Lab File: VD059889.D
Acq: 23 Aug 2018 15:39

Tgt Ion	Ratio	Lower	Upper
43	100		
72	16.4	12.3	18.5





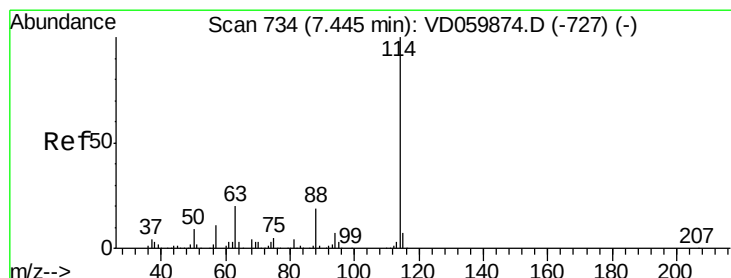
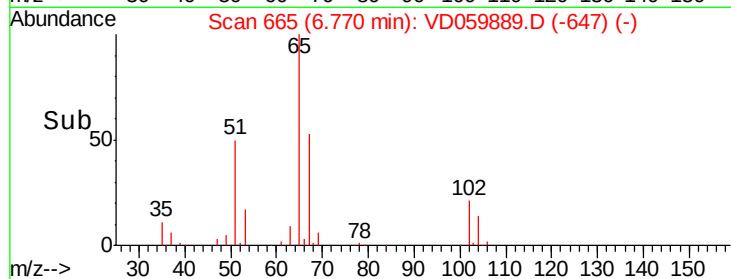
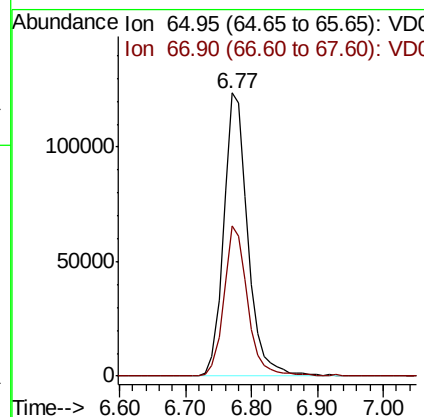
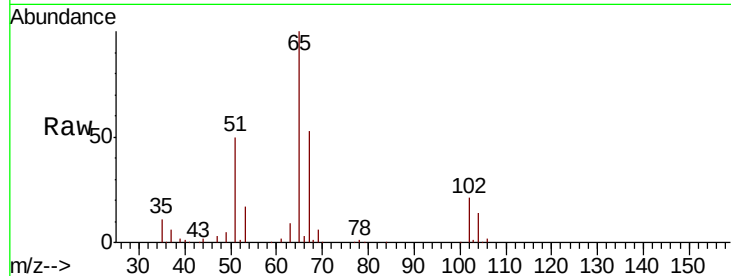
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.77 min Scan# 665
 Delta R.T. -0.03 min
 Lab File: VD059889.D
 Acq: 23 Aug 2018 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-SSW-115-050RE

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.1	0.0	103.8	

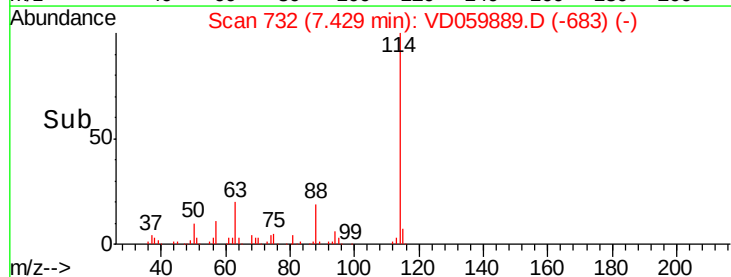
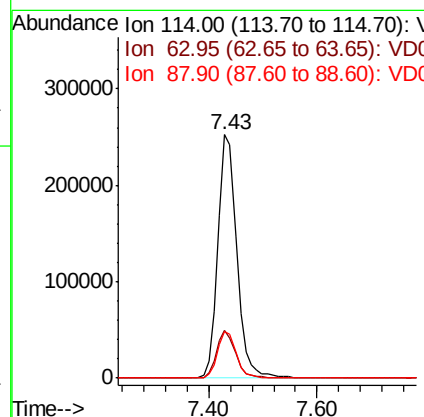
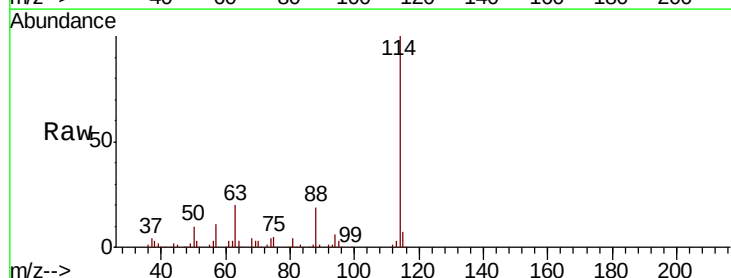
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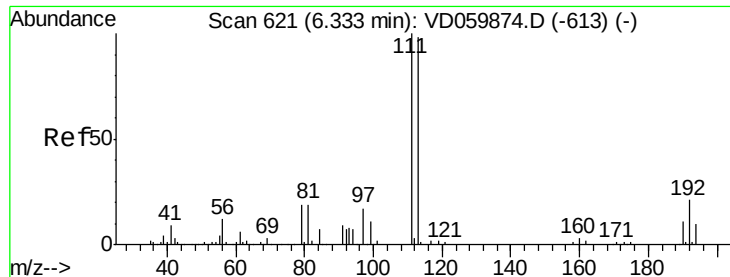
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. -0.02 min
 Lab File: VD059889.D
 Acq: 23 Aug 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	39.4	
88	18.9	0.0	37.6	





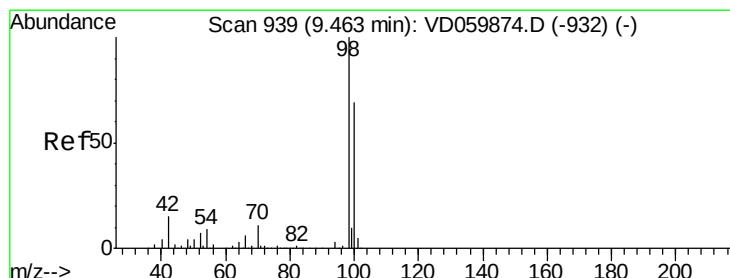
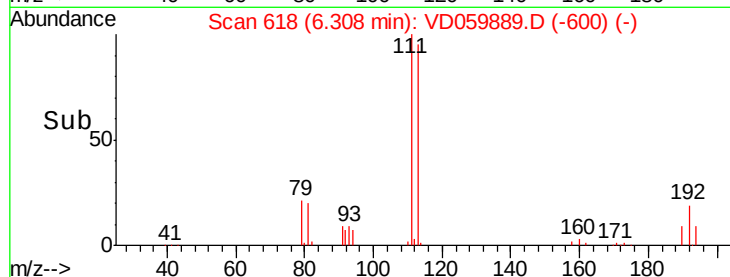
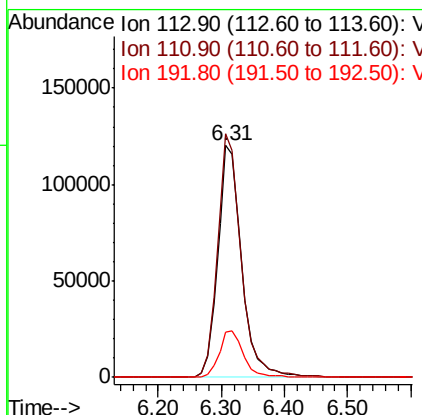
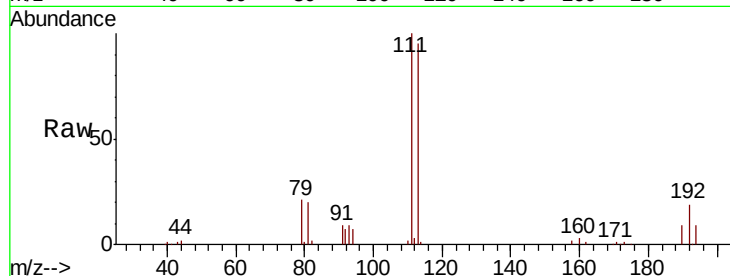
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.31 min Scan# 618
 Delta R.T. -0.03 min
 Lab File: VD059889.D
 Acq: 23 Aug 2018 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-SSW-115-050RE

Tot Ion	Ratio	Resp	Lower	Upper
113	100	318028		
111	105.0		81.4	122.2
192	19.4		17.0	25.6

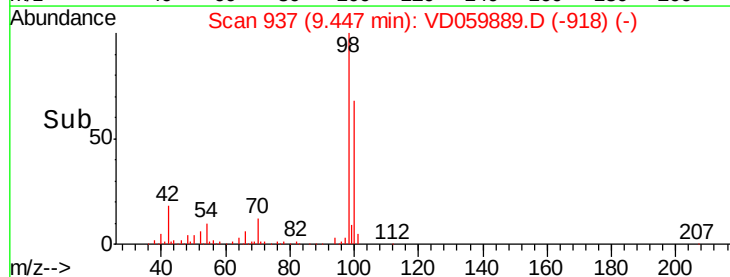
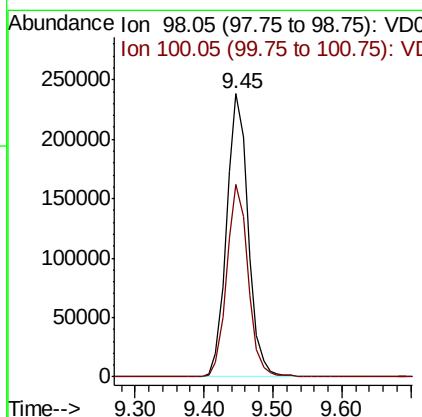
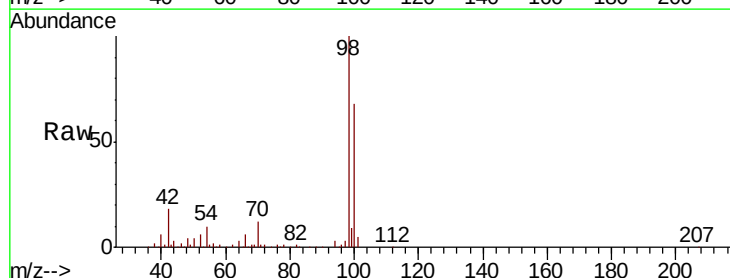
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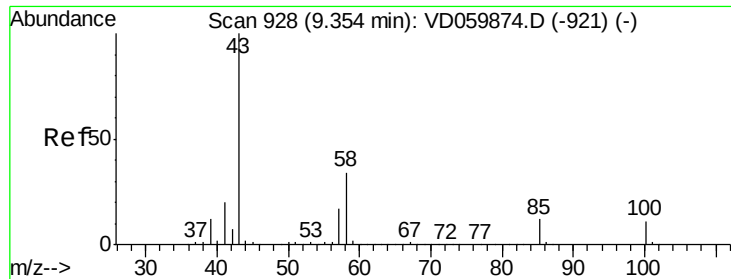
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#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 9.45 min Scan# 937
 Delta R.T. -0.02 min
 Lab File: VD059889.D
 Acq: 23 Aug 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	516641		
100	67.9		55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 4.83 ug/l

RT: 9.34 min Scan# 926

Delta R.T. -0.02 min

Lab File: VD059889.D

Acq: 23 Aug 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-SSW-115-050RE

Tot Ion: 43 Resp: 20241

Ion Ratio Lower Upper

43 100

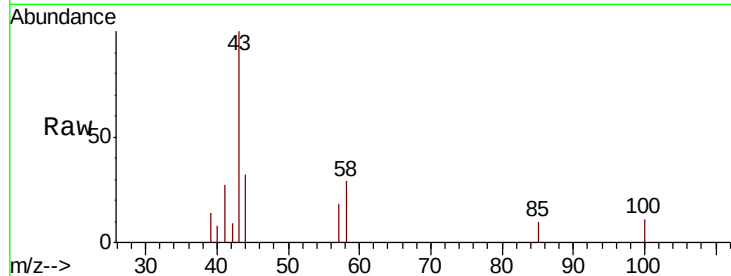
58 29.1 27.0 40.4

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

8000

6000

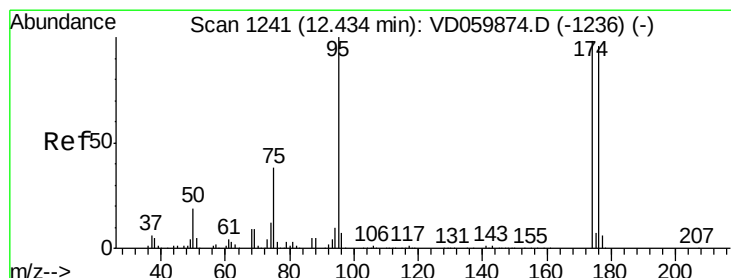
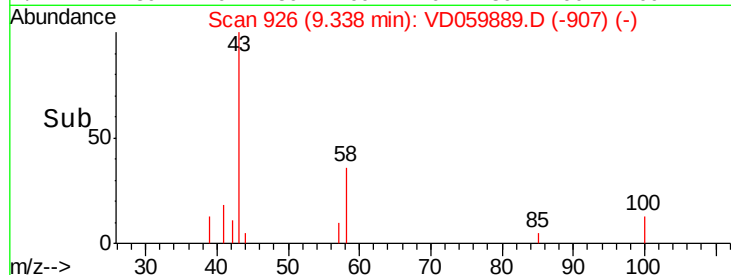
4000

2000

0

9.25 9.30 9.35 9.40 9.45

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VD059889.D

Acq: 23 Aug 2018 15:39

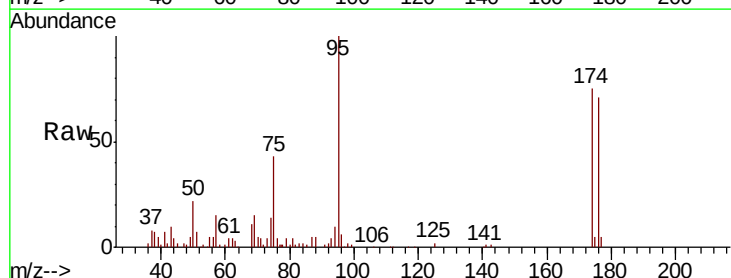
Tgt Ion: 95 Resp: 152123

Ion Ratio Lower Upper

95 100

174 74.5 0.0 195.6

176 70.9 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.42

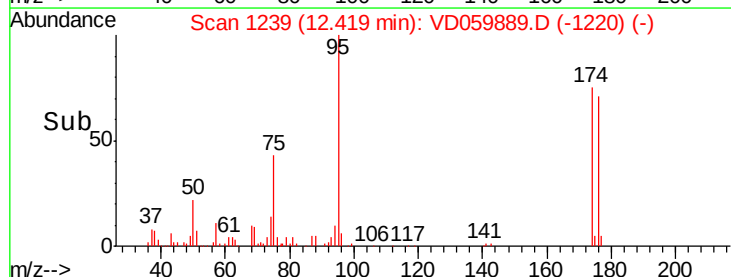
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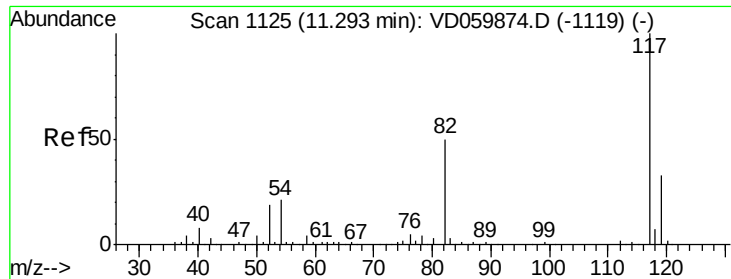
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0

12.35 12.40 12.45

Time-->





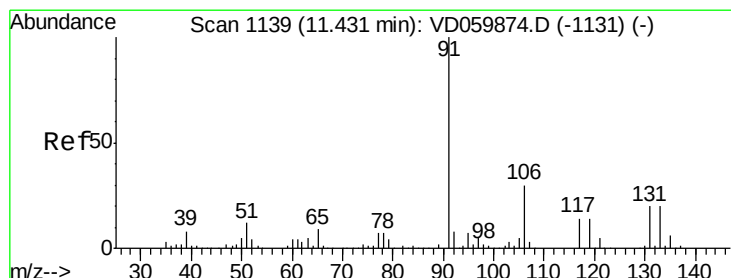
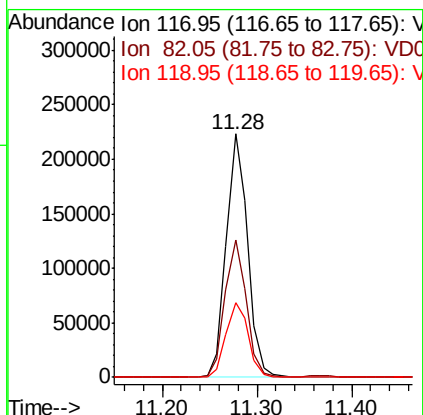
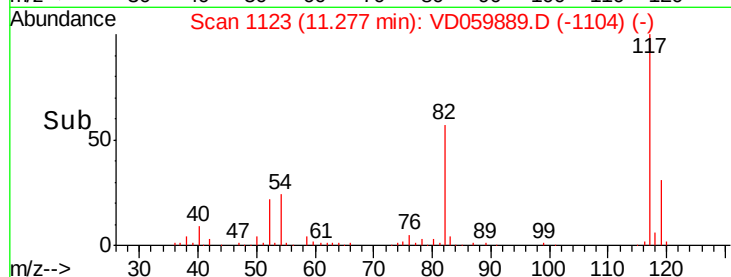
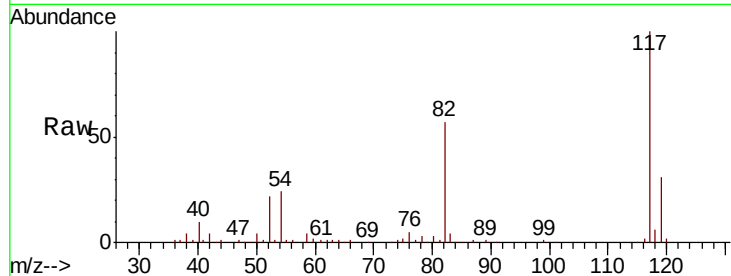
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059889.D
Acq: 23 Aug 2018 15:39

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-115-050RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	40.1	60.1
119	30.7	26.7	40.1

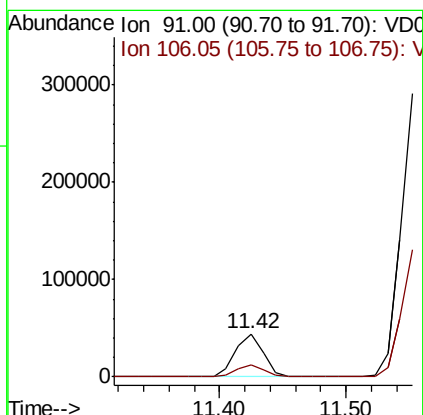
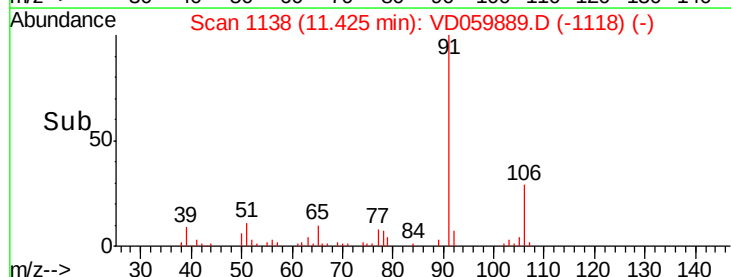
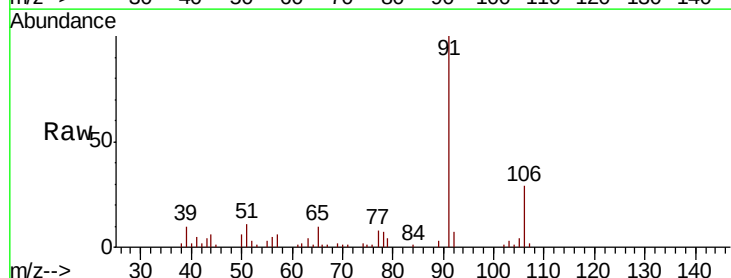
Manual Integrations
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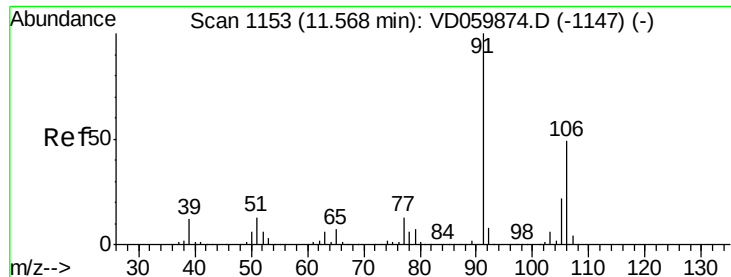
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#67
Ethyl Benzene
Concen: 5.82 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059889.D
Acq: 23 Aug 2018 15:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.9	23.8	35.8





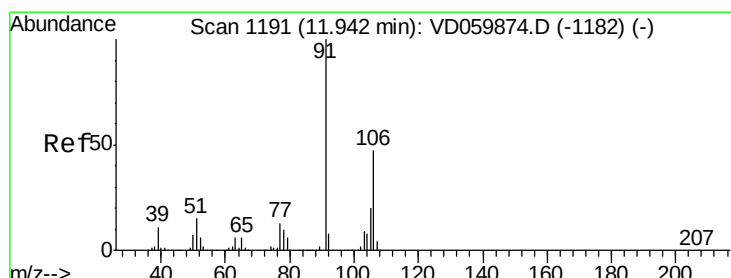
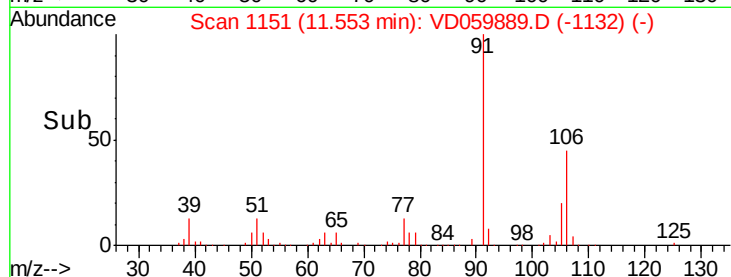
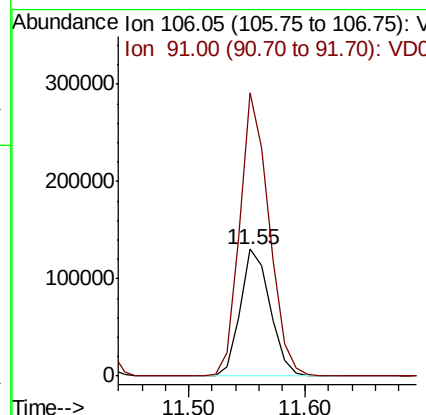
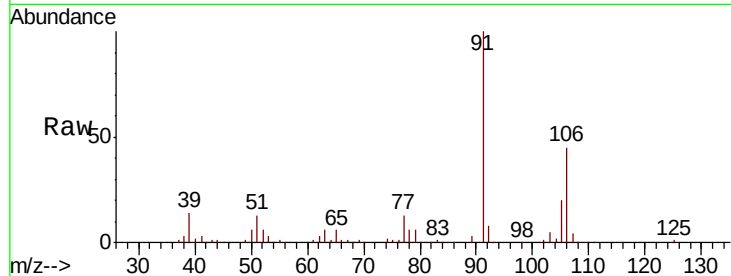
#68
m/p-Xylenes
Concen: 54.78 ug/l
RT: 11.55 min Scan# 1151
Delta R.T. -0.02 min
Lab File: VD059889.D
Acq: 23 Aug 2018 15:39

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-115-050RE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		232681		
91	222.6	162.0	243.0		

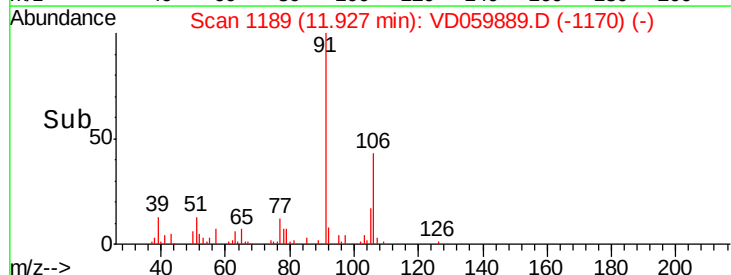
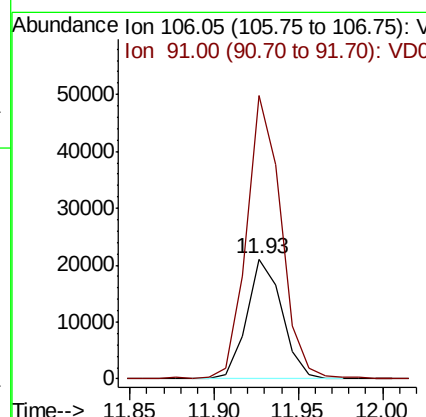
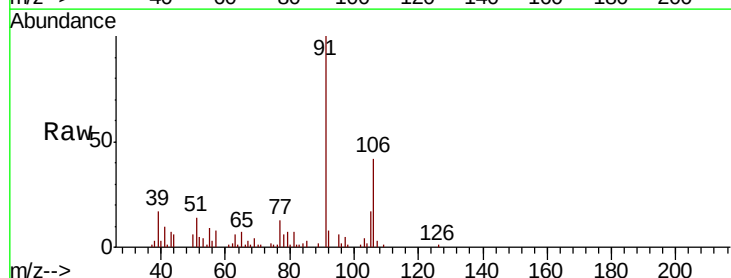
Manual Integrations
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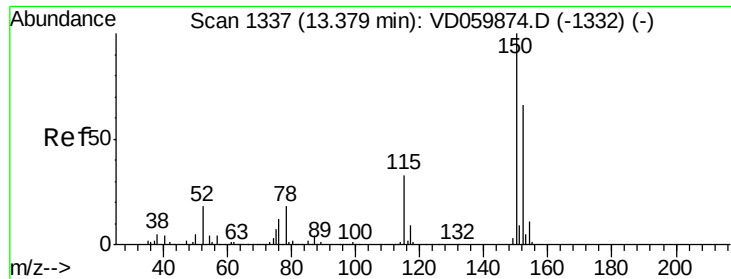
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#69
o-Xylene
Concen: 7.32 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VD059889.D
Acq: 23 Aug 2018 15:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		30392		
91	236.7	107.3	322.0		





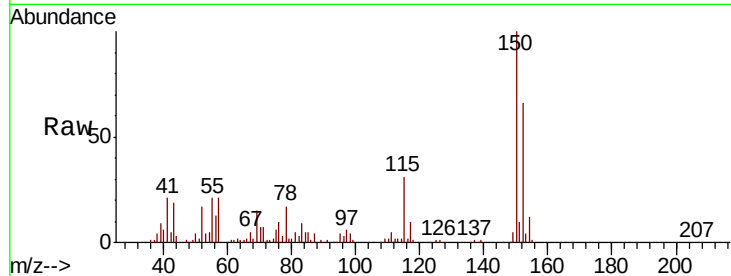
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.37 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VD059889.D
 Acq: 23 Aug 2018 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-SSW-115-050RE

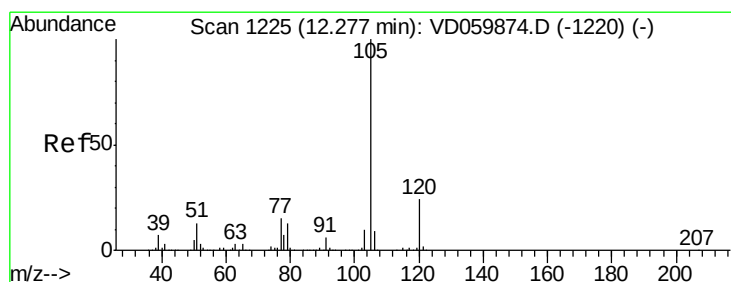
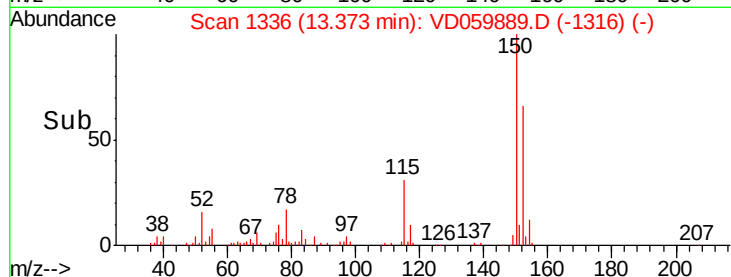
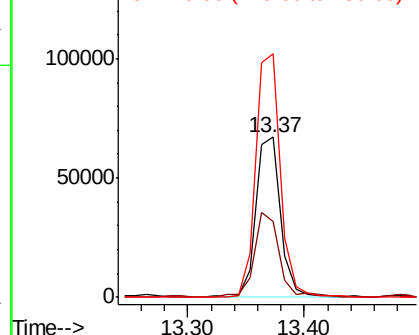
Tot Ion	Ratio	Lower	Upper
152	100		
115	47.7	25.7	77.0
150	152.0	0.0	310.2

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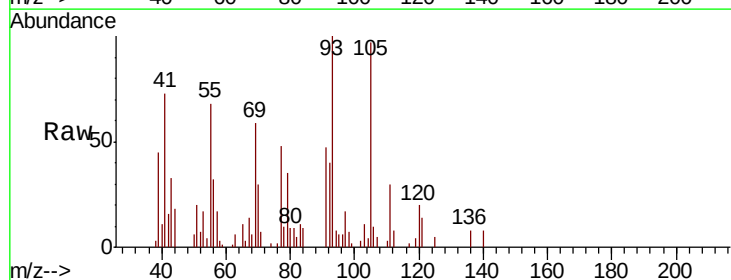


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

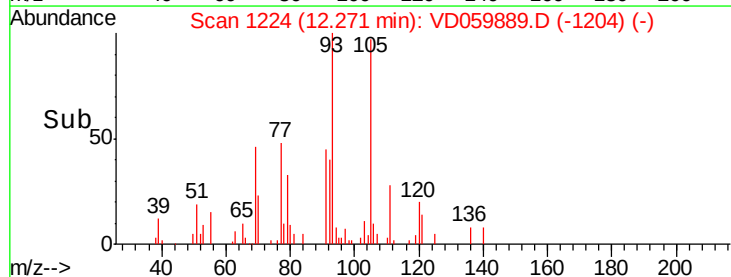
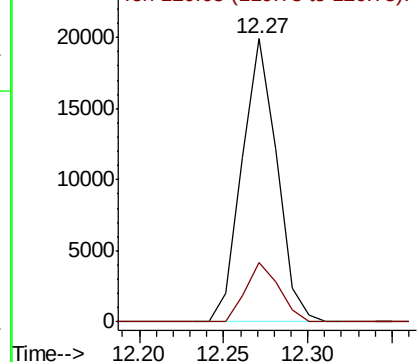


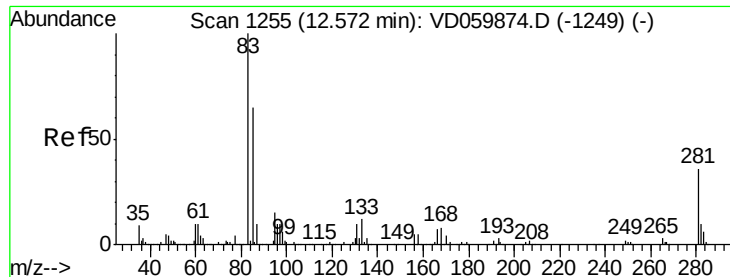
#73
 Isopropylbenzene
 Concen: 4.57 ug/l
 RT: 12.27 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VD059889.D
 Acq: 23 Aug 2018 15:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	20.9	11.8	35.4



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#75

1,1,2,2-Tetrachloroethane

Concen: 15.58 ug/l

RT: 12.58 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD059889.D

Acq: 23 Aug 2018 15:39

Instrument :

MSVOA_D

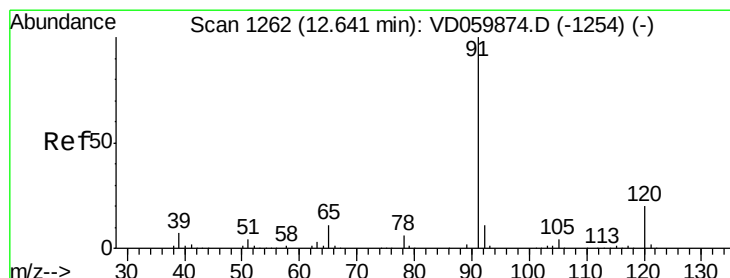
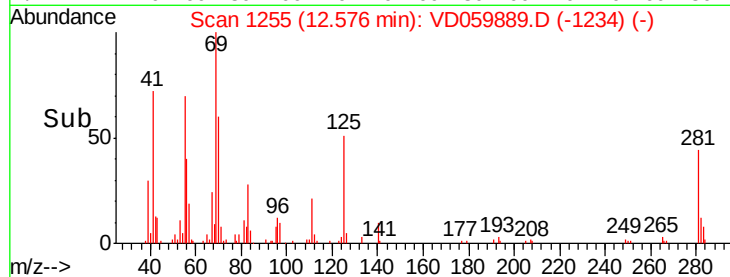
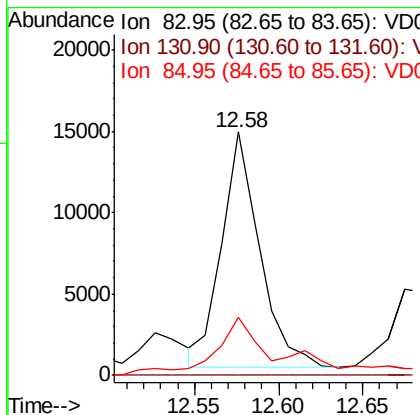
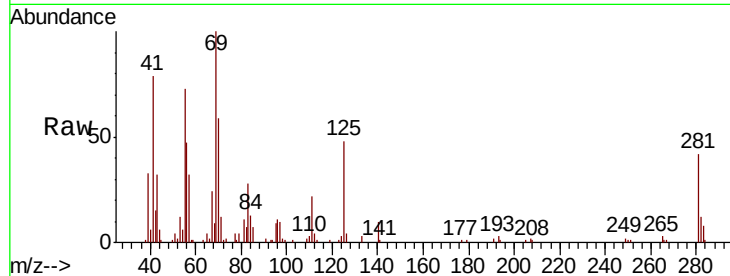
ClientSampleId :

RA-081718-SSW-115-050RE

Tot Ion:	83	Resp:	22615
Ion Ratio	Lower	Upper	
83	100		
131	0.0	4.8	14.4#
85	23.8	32.6	97.8#

Manual Integrations
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#78

n-propylbenzene

Concen: 1.40 ug/l

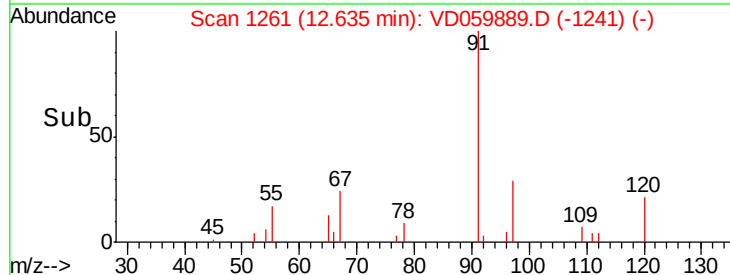
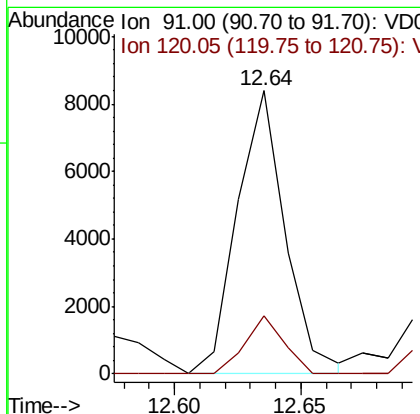
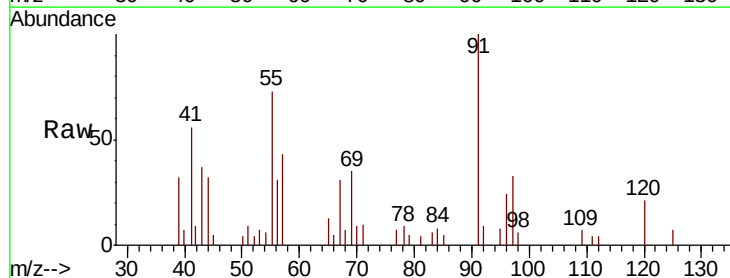
RT: 12.64 min Scan# 1261

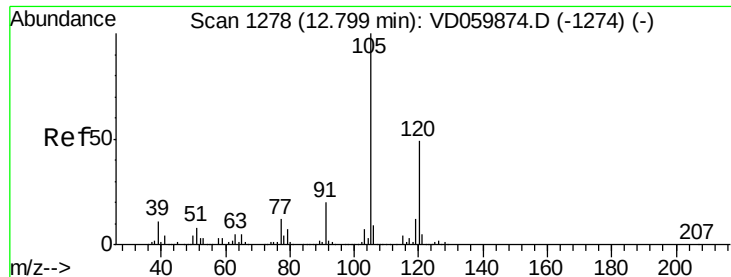
Delta R.T. -0.01 min

Lab File: VD059889.D

Acq: 23 Aug 2018 15:39

Tgt Ion:	91	Resp:	11088
Ion Ratio	Lower	Upper	
91	100		
120	20.6	10.1	30.3





#80

1,3,5-Trimethylbenzene

Concen: 4.51 ug/l

RT: 12.79 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VD059889.D

Acq: 23 Aug 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-SSW-115-050RE

Tot Ion:105 Resp: 22493

Ion Ratio Lower Upper

105 100

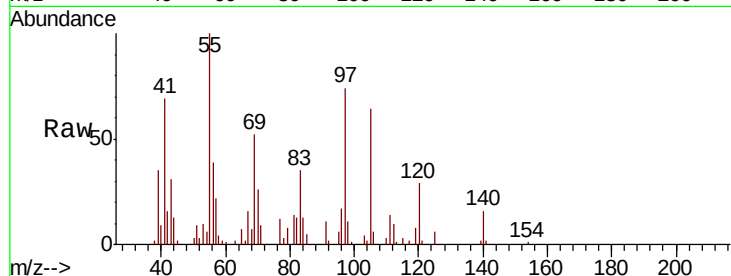
120 44.6 24.5 73.5

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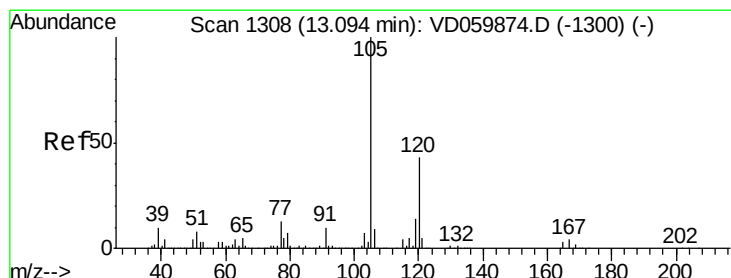
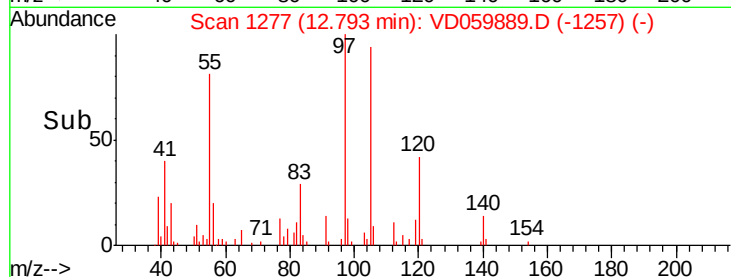
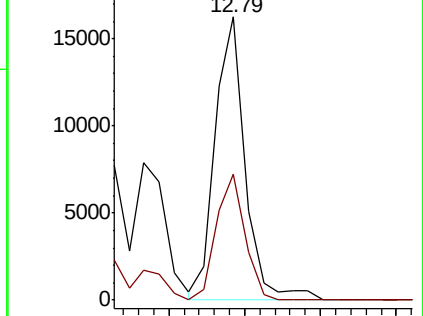
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#84

1,2,4-Trimethylbenzene

Concen: 9.27 ug/l

RT: 13.09 min Scan# 1307

Delta R.T. -0.01 min

Lab File: VD059889.D

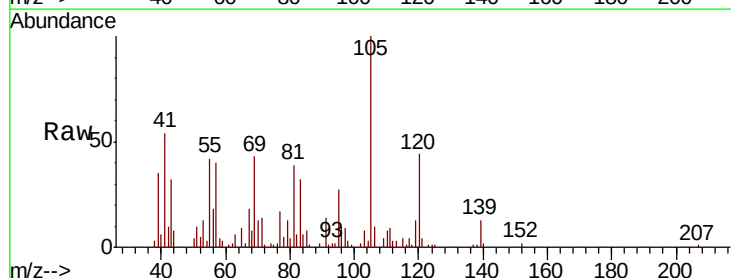
Acq: 23 Aug 2018 15:39

Tgt Ion:105 Resp: 48230

Ion Ratio Lower Upper

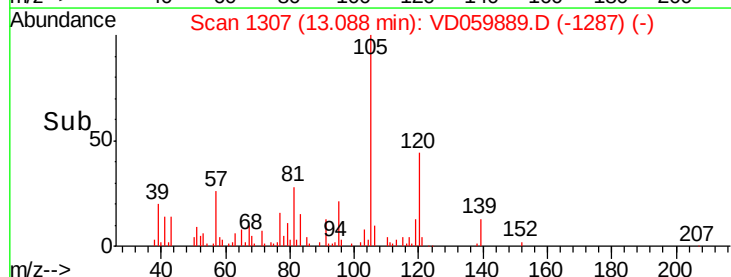
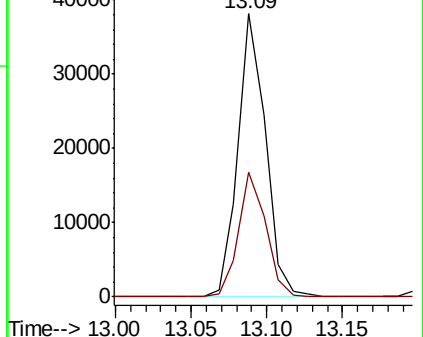
105 100

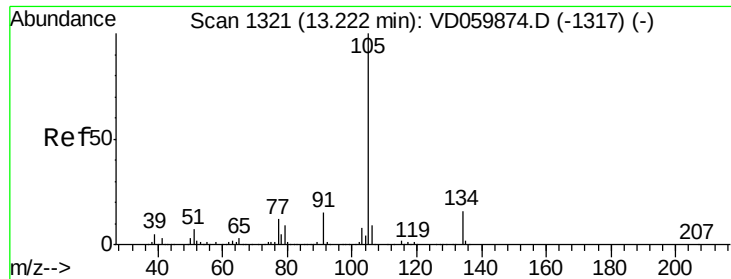
120 44.0 21.8 65.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





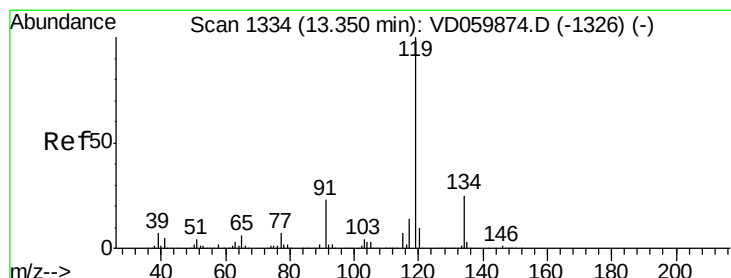
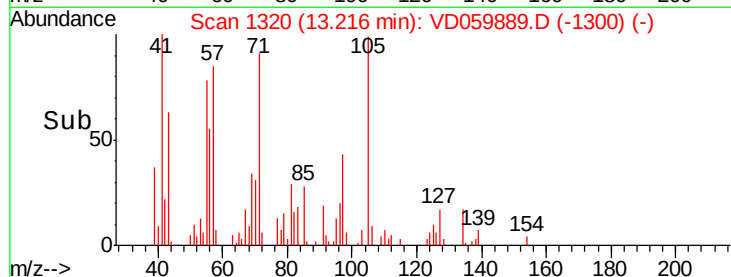
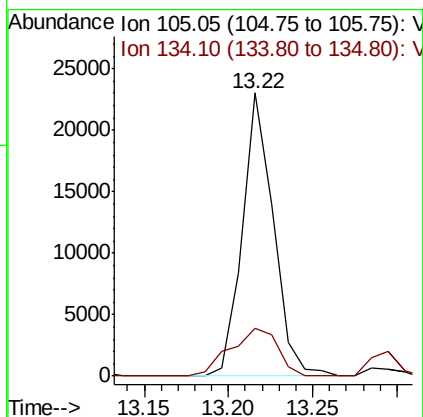
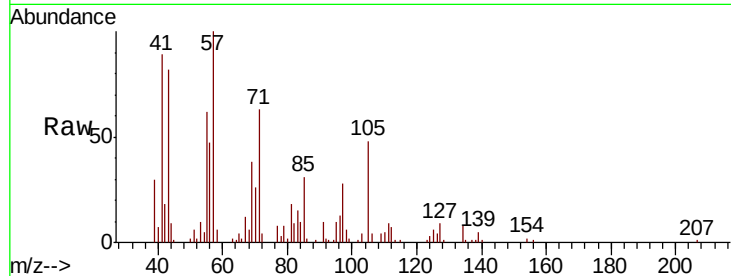
#85
 sec-Butylbenzene
 Concen: 4.41 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059889.D
 Acq: 23 Aug 2018 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-SSW-115-050RE

Tot Ion	Ratio	Lower	Upper
105	100		
134	16.7	8.2	24.4

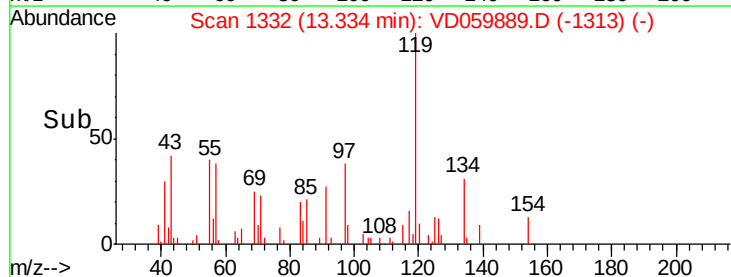
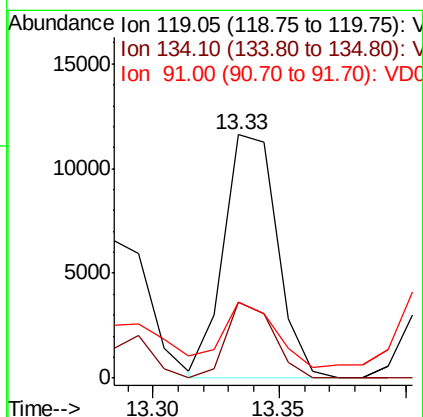
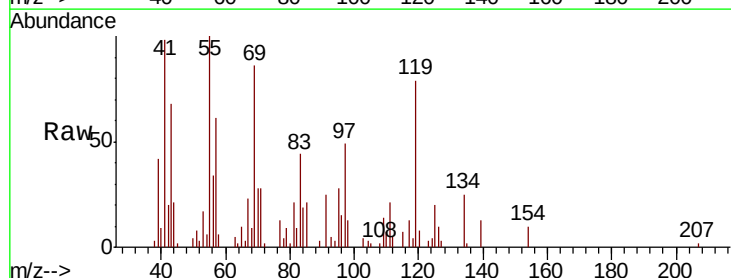
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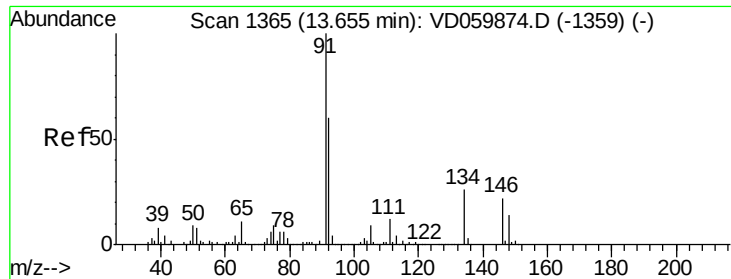
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#86
 p-Isopropyltoluene
 Concen: 3.16 ug/l
 RT: 13.33 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD059889.D
 Acq: 23 Aug 2018 15:39

Tgt Ion	Ratio	Lower	Upper
119	100		
134	31.0	12.7	38.1
91	31.4	11.7	35.0





#89

n-Butylbenzene

Concen: 1.90 ug/l m

RT: 13.64 min Scan# 1363

Delta R.T. -0.02 min

Lab File: VD059889.D

Acq: 23 Aug 2018 15:39

Instrument :

MSVOA_D

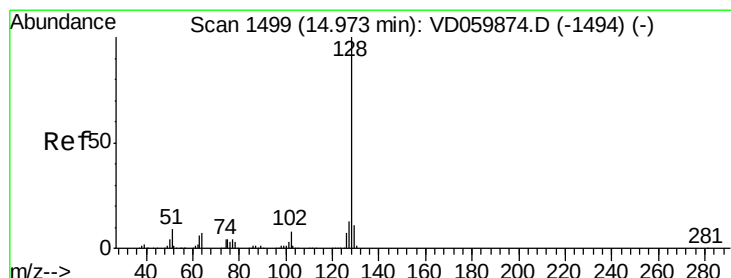
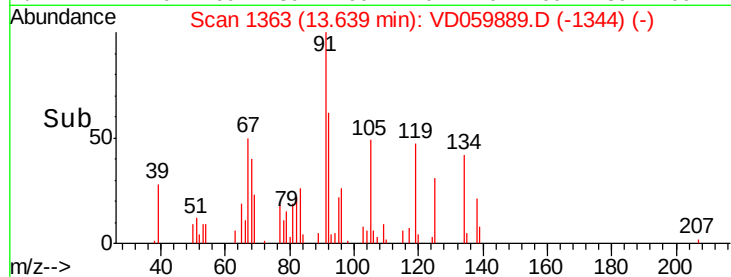
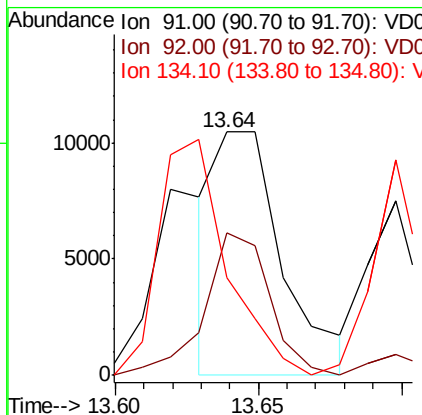
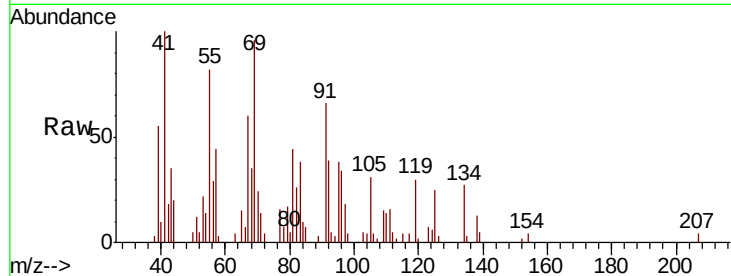
ClientSampleId :

RA-081718-SSW-115-050RE

Tot Ion:	91	Resp:	17081
Ion Ratio	Lower	Upper	
91	100		
92	58.6	30.0	90.1
134	40.2	12.8	38.4#

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#95

Naphthalene

Concen: 4.99 ug/l

RT: 14.97 min Scan# 1498

Delta R.T. -0.01 min

Lab File: VD059889.D

Acq: 23 Aug 2018 15:39

Tgt Ion:	128	Resp:	17237
Ion Ratio	Lower	Upper	
128	100		
127	15.1	10.0	15.0#
129	14.2	8.6	13.0#

