

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059888.D
 Acq On : 23 Aug 2018 15:11
 Operator : JC/SY
 Sample : J4559-05RE
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-049RE

Manual Integrations
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Quant Time: Aug 24 05:40:21 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	6.39	168	541757	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	840104	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	505454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	155063	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	397014	86.95	ug/l	-0.02
Spiked Amount				50.000		
Recovery						173.90%
35) Dibromofluoromethane	6.31	113	410589	62.34	ug/l	-0.02
Spiked Amount				50.000		
Recovery						124.68%
50) Toluene-d8	9.45	98	807626	44.18	ug/l	0.00
Spiked Amount				50.000		
Recovery						88.36%
62) 4-Bromofluorobenzene	12.42	95	236236	31.82	ug/l	0.00
Spiked Amount				50.000		
Recovery						63.64%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.70	84	33716	2.54	ug/l	94
31) Cyclohexane	6.39	56	11389	1.31	ug/l	# 1
68) m/p-Xylenes	11.57	106	24553	3.99	ug/l	100
69) o-Xylene	11.93	106	6634	1.10	ug/l	73
73) Isopropylbenzene	12.28	105	65088	6.58	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	121846	53.22	ug/l	# 50
78) n-propylbenzene	12.63	91	26952	2.15	ug/l	89
84) 1,2,4-Trimethylbenzene	13.09	105	14568	1.78	ug/l	96
85) sec-Butylbenzene	13.22	105	112945	10.71	ug/l	100
89) n-Butylbenzene	13.65	91	23077m	1.48	ug/l	

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

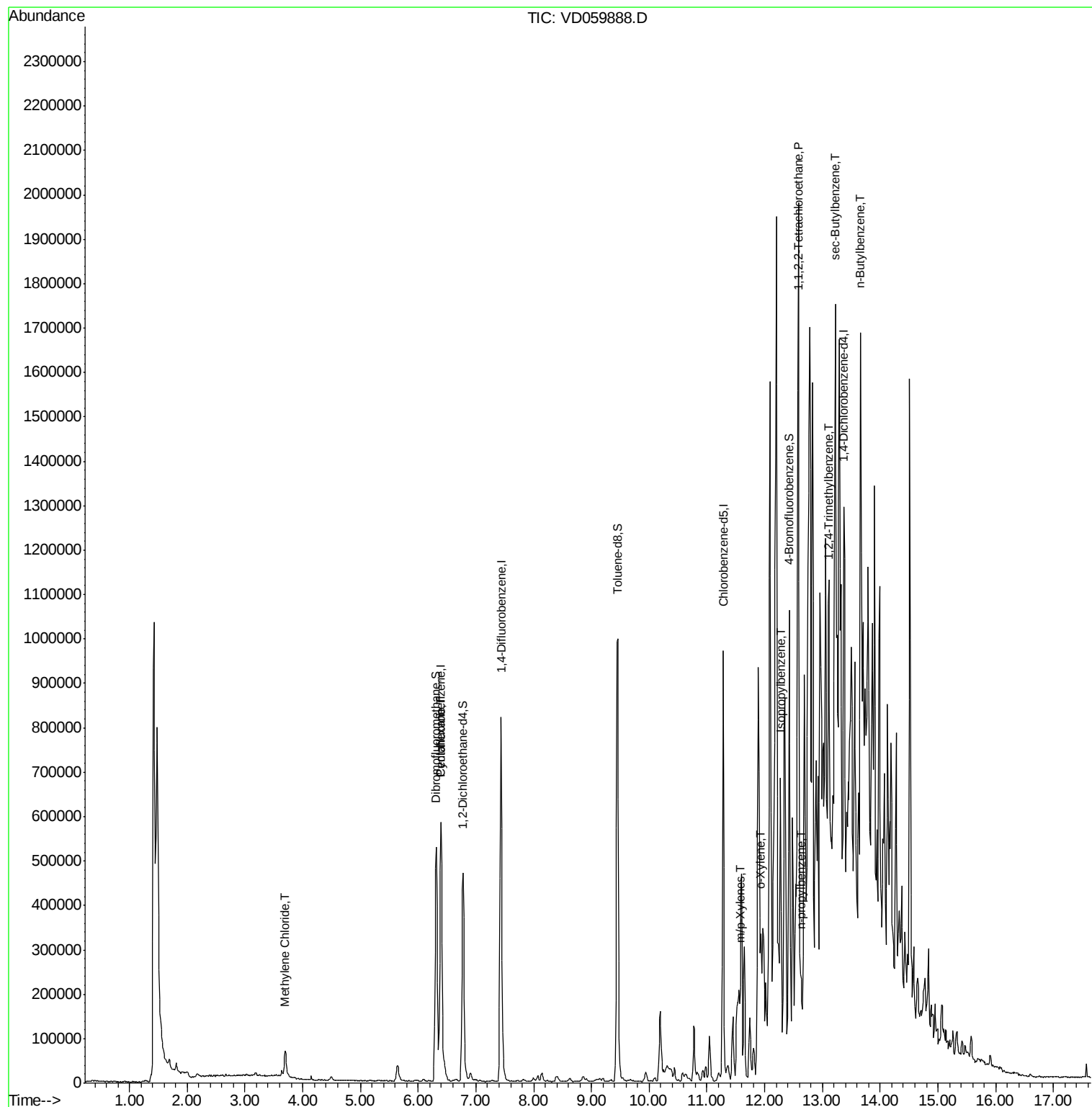
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082318\
Data File : VD059888.D
Acq On : 23 Aug 2018 15:11
Operator : JC/SY
Sample : J4559-05RE
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

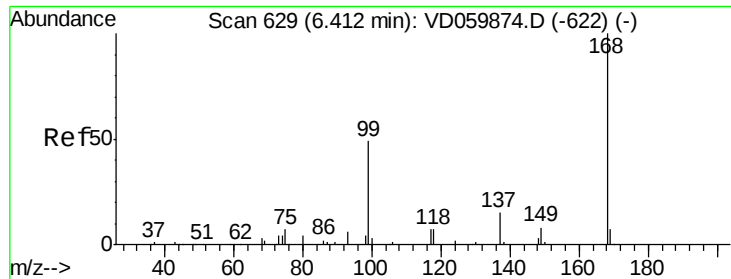
Instrument :
MSVOA_D
ClientSampleId :
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Quant Time: Aug 24 05:40:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
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Response via : Initial Calibration





#1

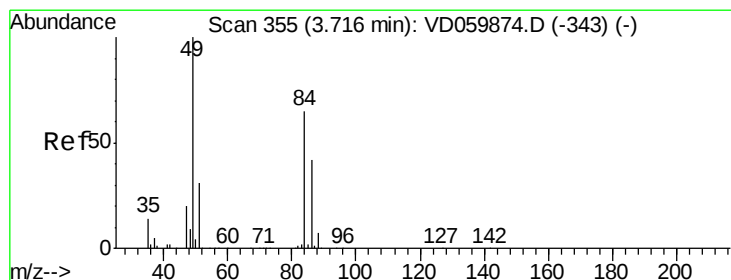
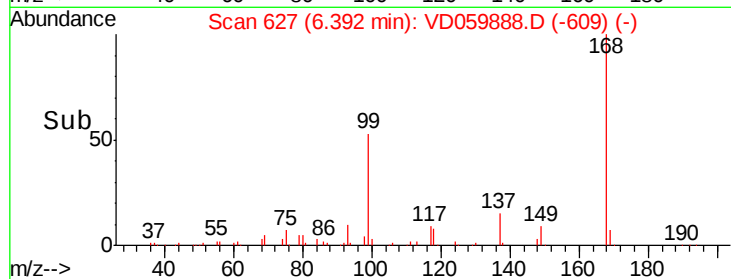
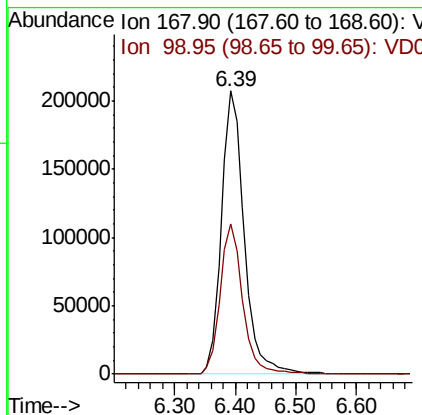
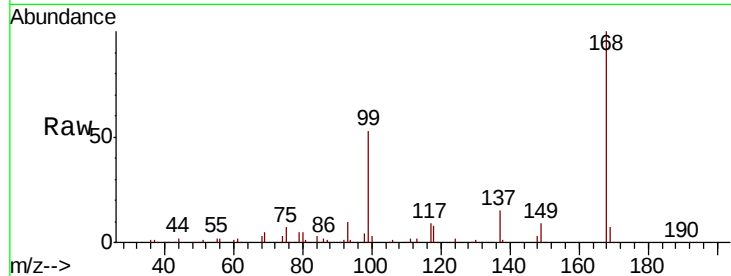
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.39 min Scan# 627
 Delta R.T. -0.02 min
 Lab File: VD059888.D
 Acq: 23 Aug 2018 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-049RE

Tot Ion	Ratio	Lower	Upper
168	100		
99	53.2	42.2	63.2

Manual Integrations
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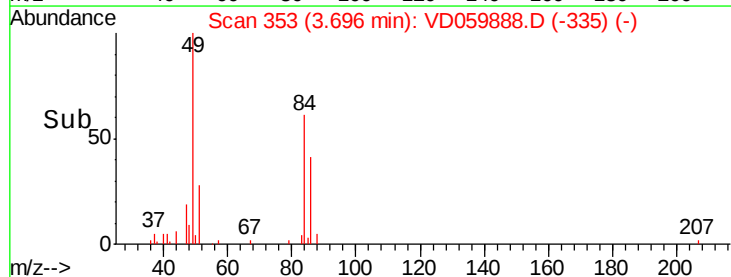
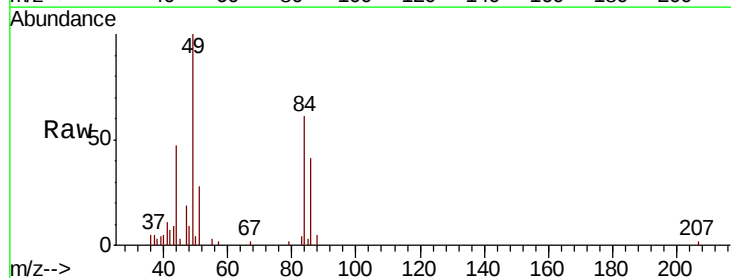
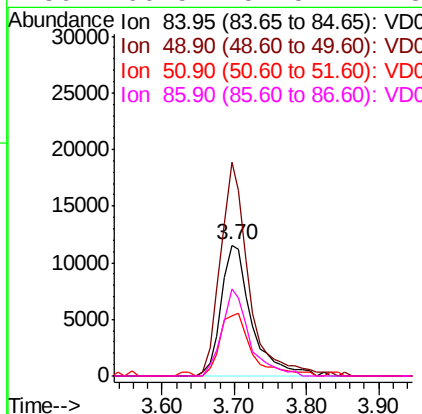
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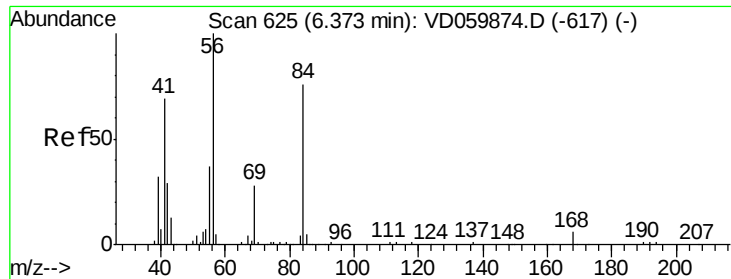


#20

Methylene Chloride
 Concen: 2.54 ug/l
 RT: 3.70 min Scan# 353
 Delta R.T. -0.02 min
 Lab File: VD059888.D
 Acq: 23 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	163.4	122.6	183.8
51	46.0	38.4	57.6
86	66.5	51.5	77.3





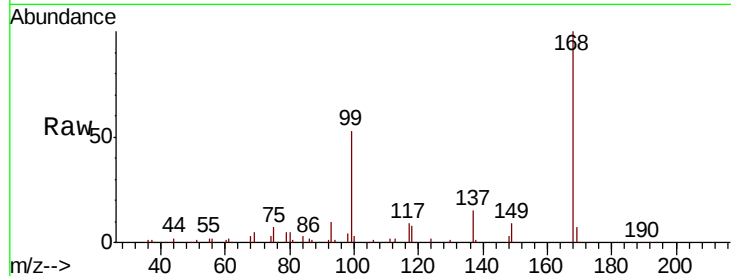
#31
Cyclohexane
Concen: 1.31 ug/l
RT: 6.39 min Scan# 627
Delta R.T. 0.02 min
Lab File: VD059888.D
Acq: 23 Aug 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-049RE

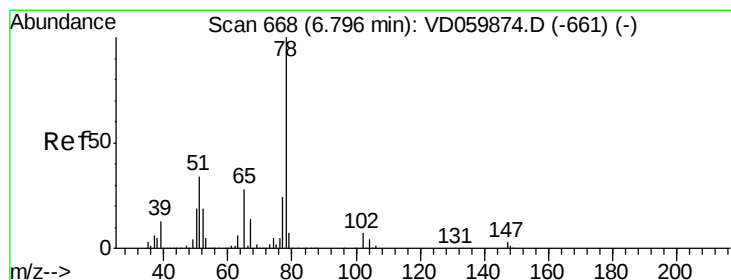
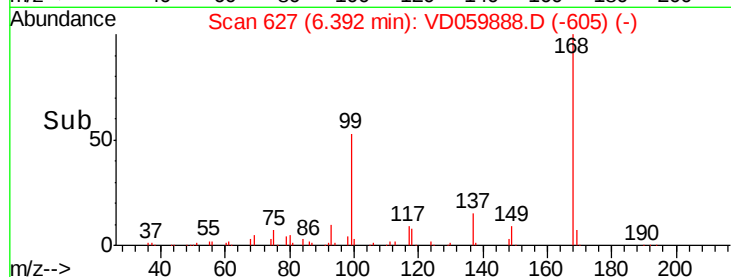
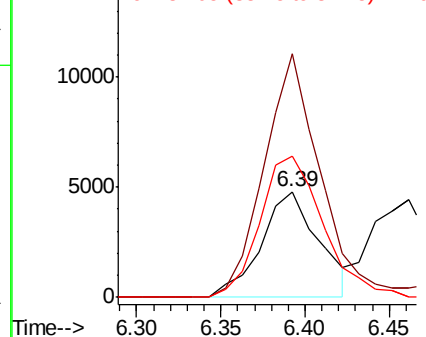
Tot Ion	Ratio	Lower	Upper
56	100		
69	230.3	22.4	33.6#
84	133.8	62.1	93.1#

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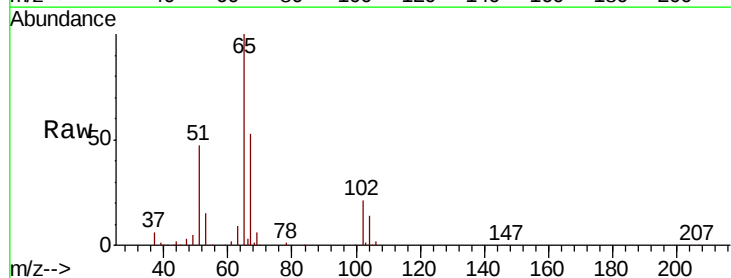


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

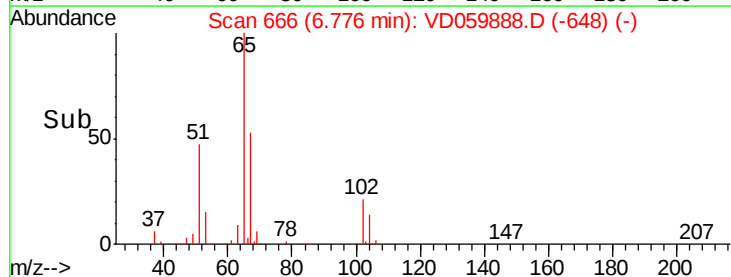
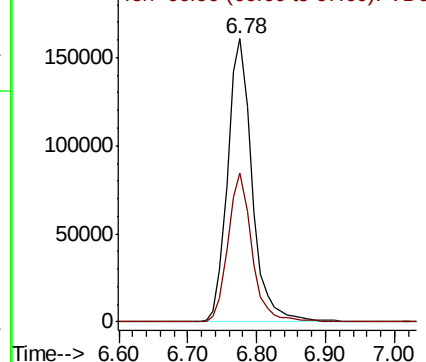


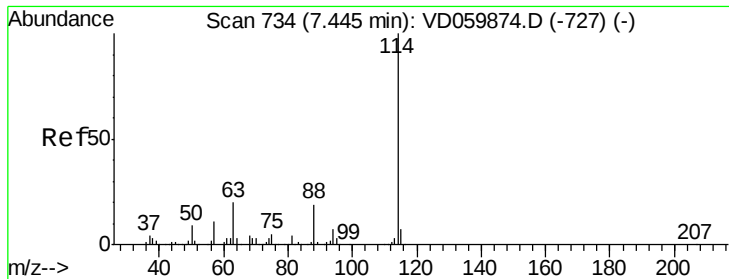
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.78 min Scan# 666
Delta R.T. -0.02 min
Lab File: VD059888.D
Acq: 23 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 733

Delta R.T. -0.01 min

Lab File: VD059888.D

Acq: 23 Aug 2018 15:11

Instrument :

MSVOA_D

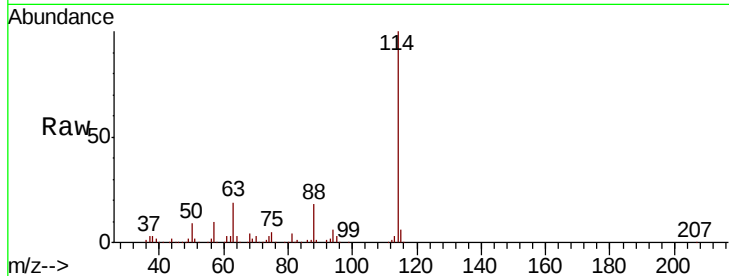
ClientSampleId :

RA-081718-WSW-20-049RE

Tot Ion:	114	Resp:	840104
Ion Ratio		Lower	Upper
114	100		
63	18.9	0.0	39.4
88	18.5	0.0	37.6

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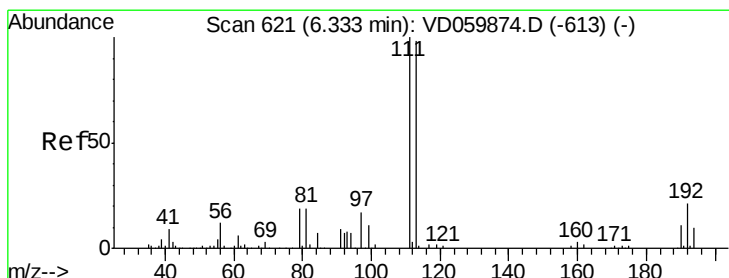
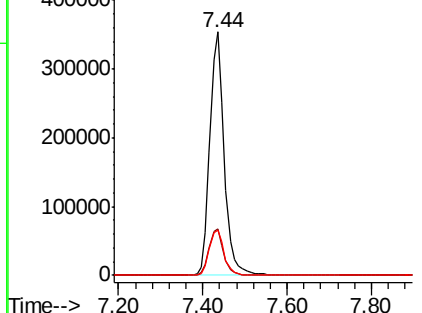
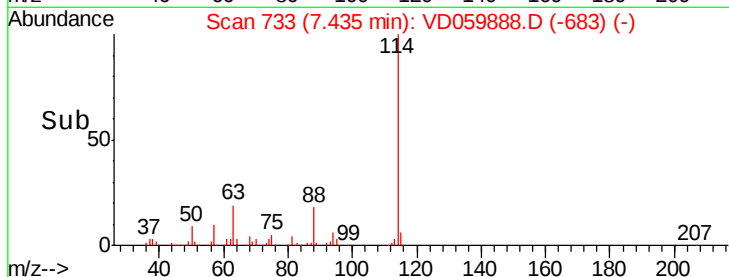
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Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.00 ug/l

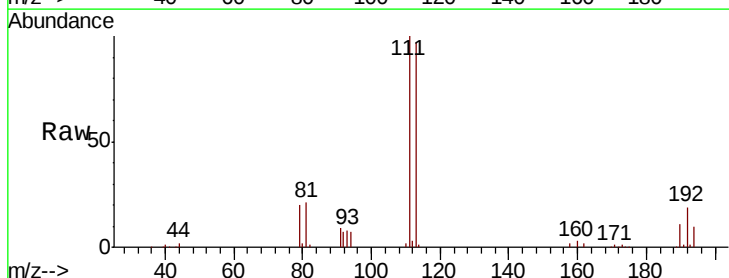
RT: 6.31 min Scan# 619

Delta R.T. -0.02 min

Lab File: VD059888.D

Acq: 23 Aug 2018 15:11

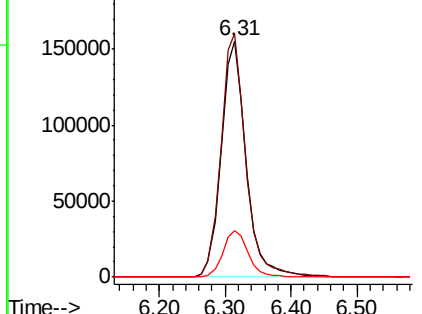
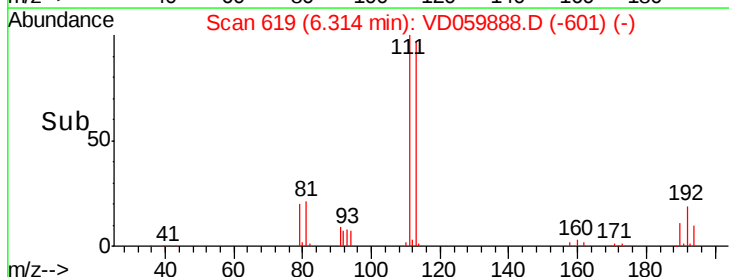
Tgt Ion:	113	Resp:	410589
Ion Ratio		Lower	Upper
113	100		
111	103.0	81.4	122.2
192	19.9	17.0	25.6

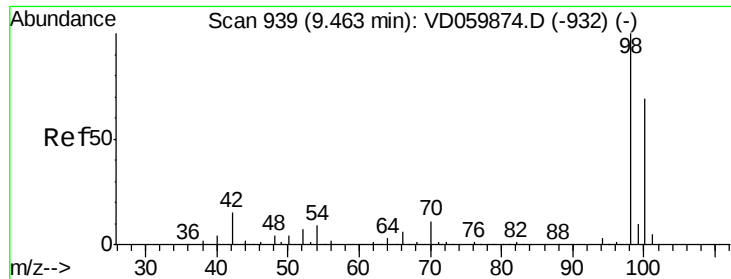


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





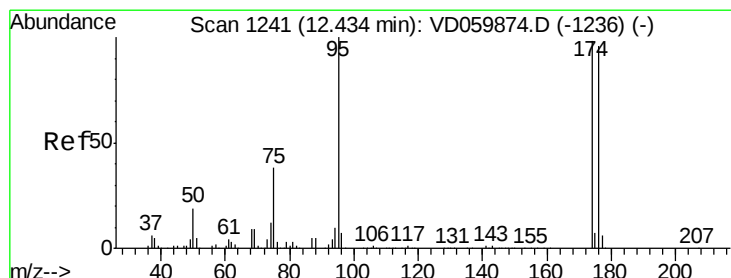
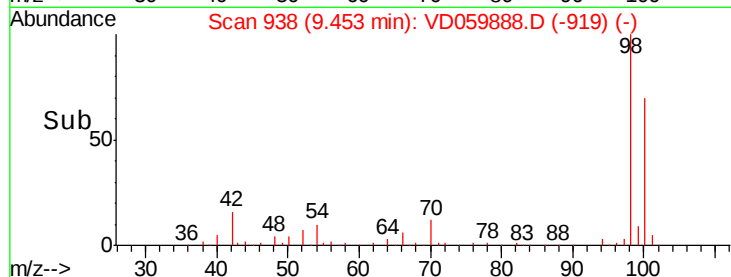
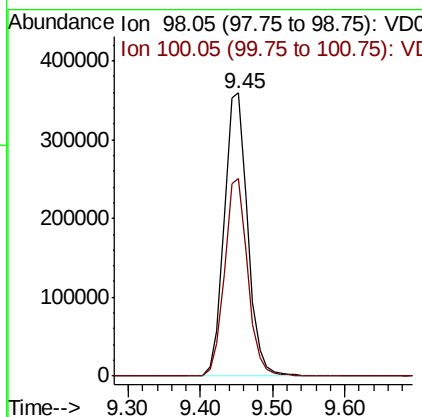
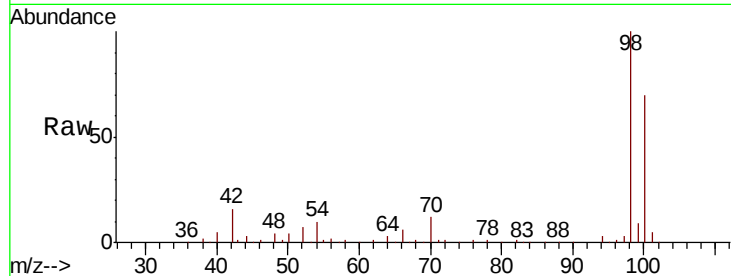
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 938
Delta R.T. -0.01 min
Lab File: VD059888.D
Acq: 23 Aug 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-049RE

Tot Ion	Ratio	Lower	Upper
98	100		
100	70.0	55.8	83.6

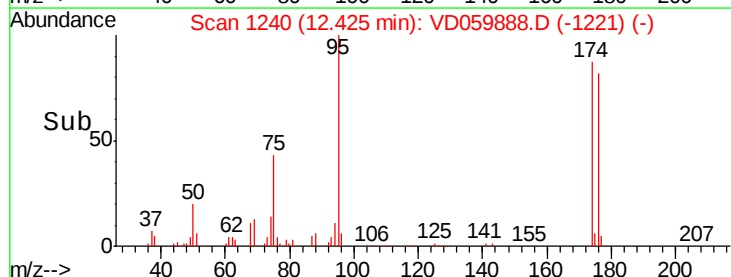
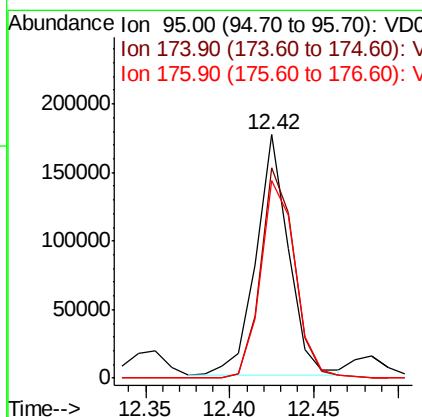
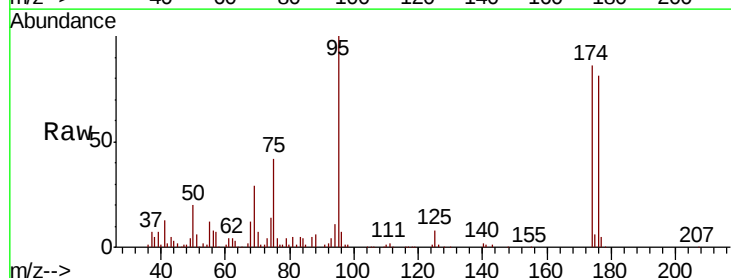
Manual Integrations
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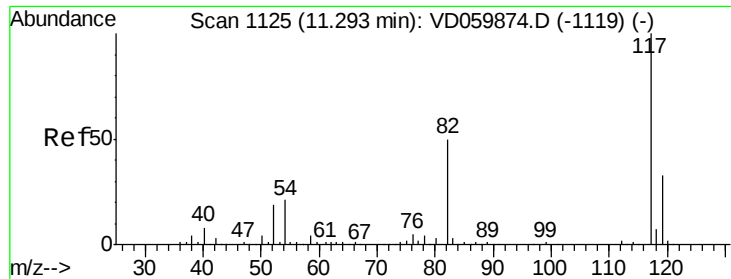
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#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VD059888.D
Acq: 23 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	195.6
176	80.9	0.0	191.2





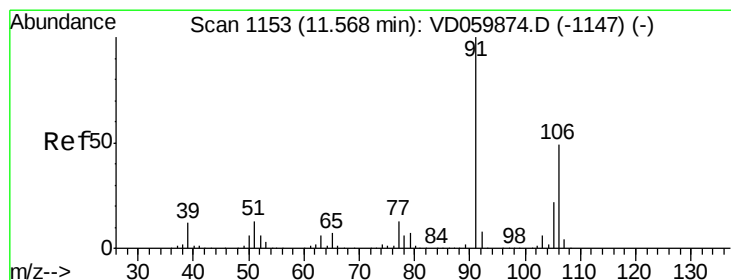
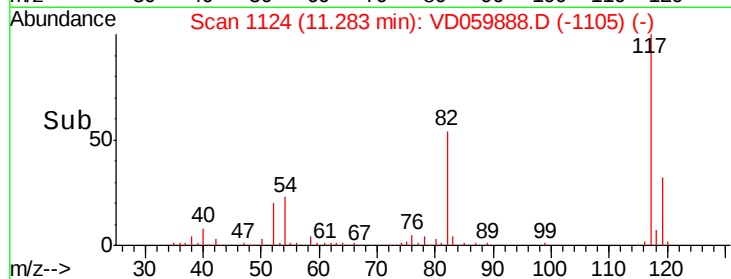
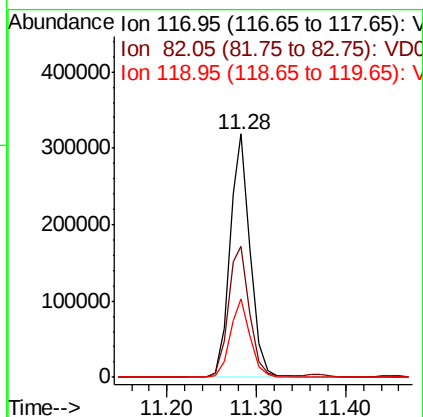
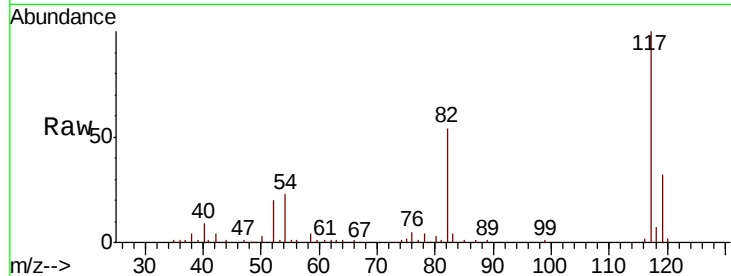
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD059888.D
Acq: 23 Aug 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-049RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	40.1	60.1
119	32.2	26.7	40.1

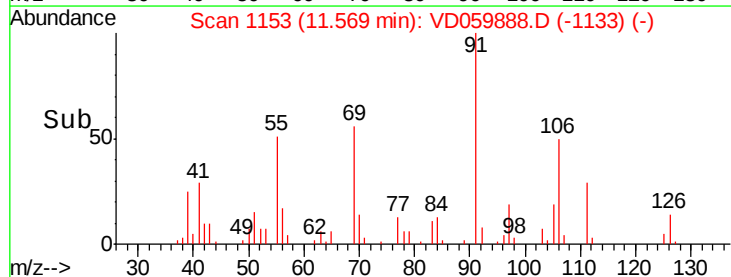
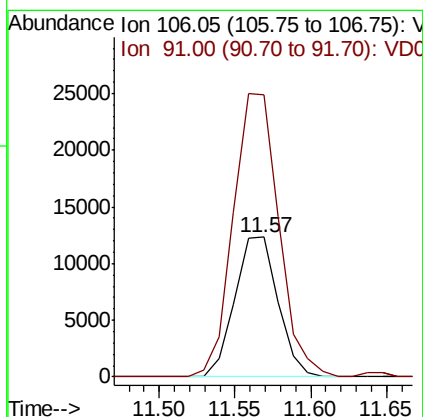
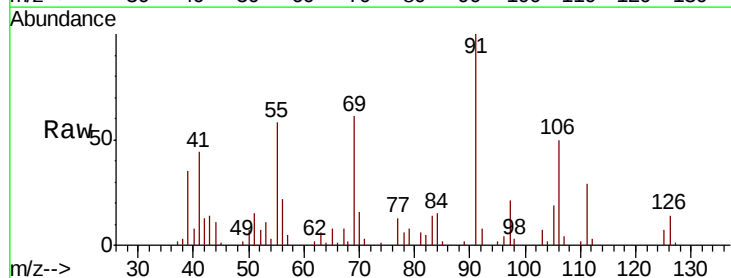
Manual Integrations
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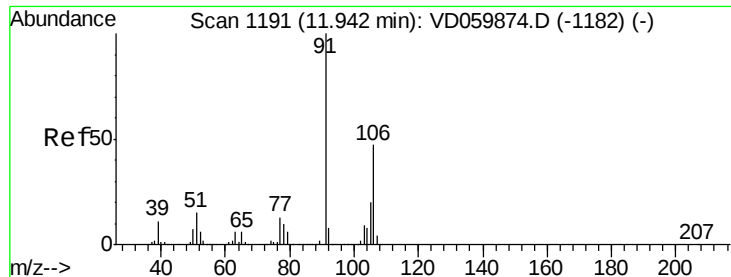
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#68
m/p-Xylenes
Concen: 3.99 ug/l
RT: 11.57 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VD059888.D
Acq: 23 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.0	162.0	243.0





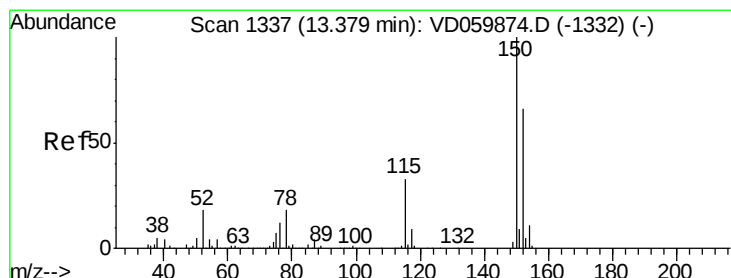
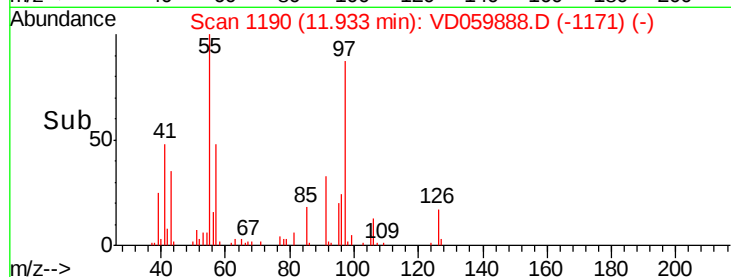
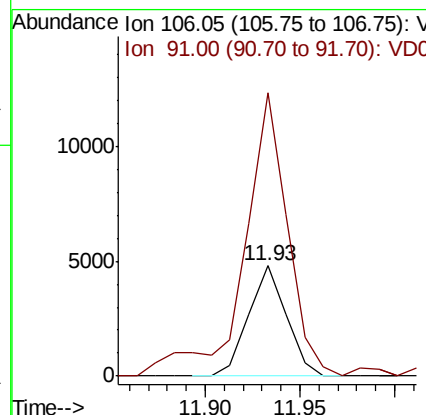
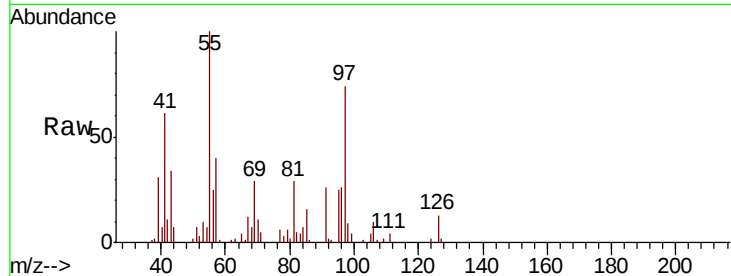
#69
o-Xylene
Concen: 1.10 ug/l
RT: 11.93 min Scan# 1190
Delta R.T. -0.01 min
Lab File: VD059888.D
Acq: 23 Aug 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-049RE

Tot Ion	Ratio	Lower	Upper
106	100		
91	256.9	107.3	322.0

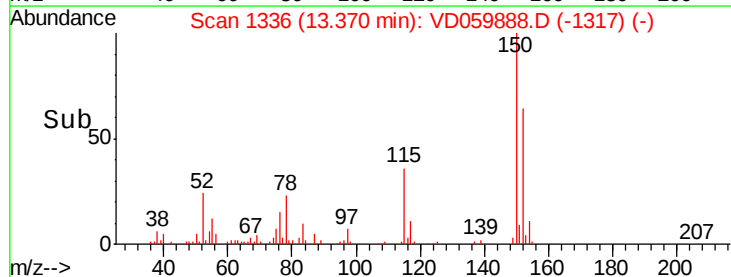
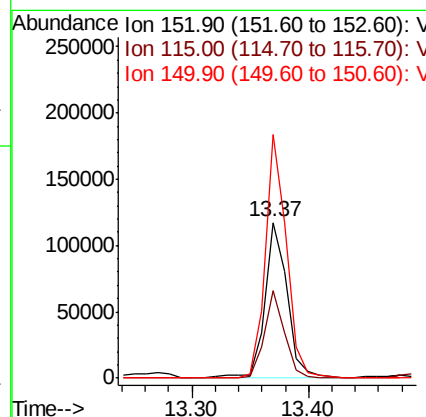
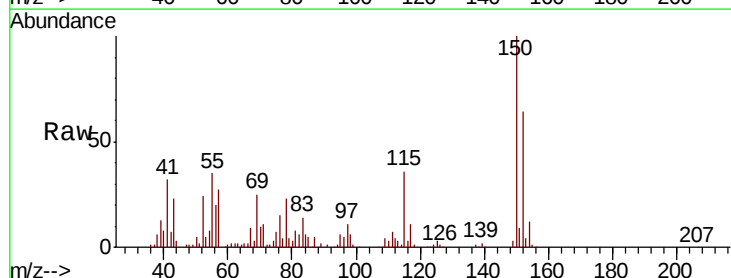
Manual Integrations
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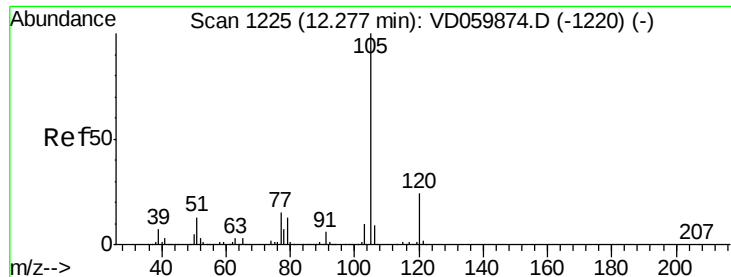
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VD059888.D
Acq: 23 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	25.7	77.0
150	156.2	0.0	310.2





#73

Isopropylbenzene

Concen: 6.58 ug/l

RT: 12.28 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD059888.D

Acq: 23 Aug 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-049RE

Tot Ion: 105 Resp: 65088

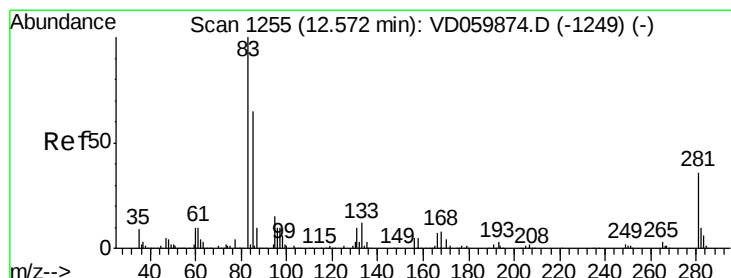
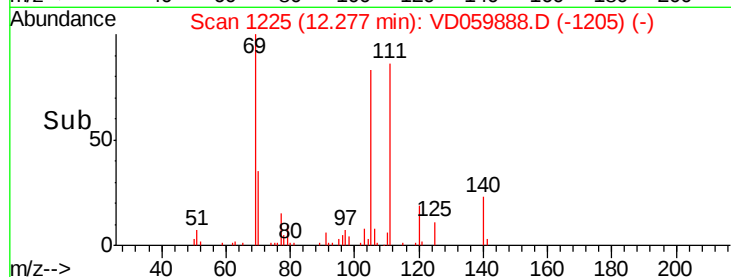
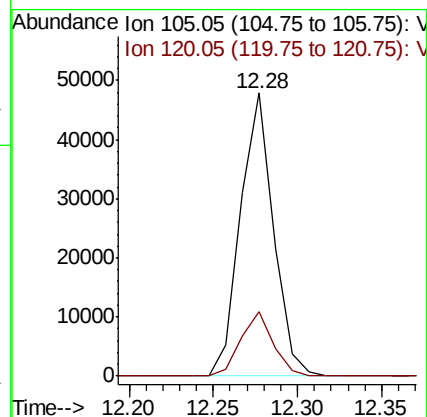
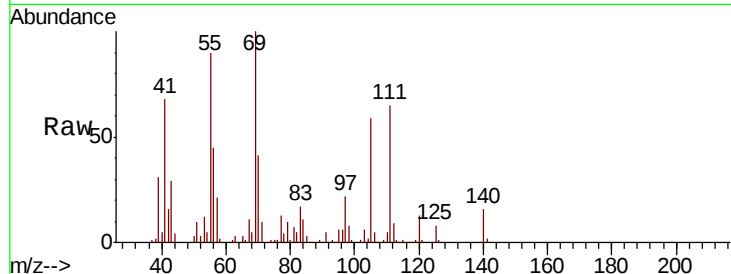
Ion Ratio Lower Upper

105 100

120 22.8 11.8 35.4

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 53.22 ug/l

RT: 12.58 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD059888.D

Acq: 23 Aug 2018 15:11

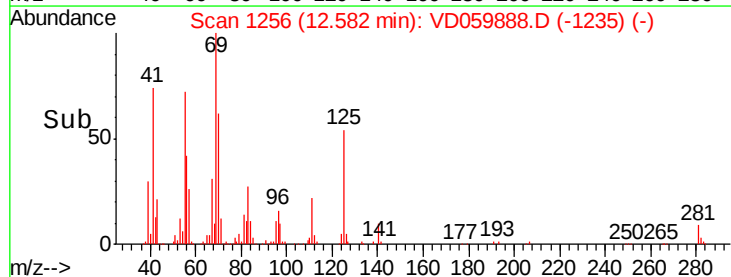
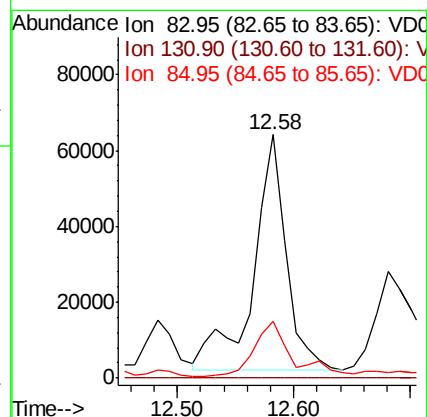
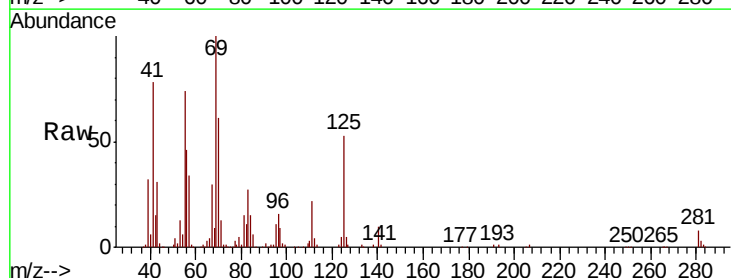
Tgt Ion: 83 Resp: 121846

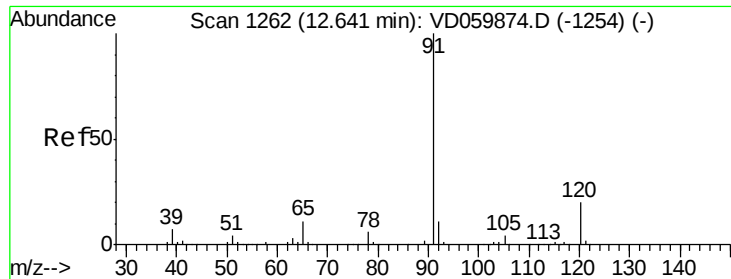
Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

85 23.3 32.6 97.8#





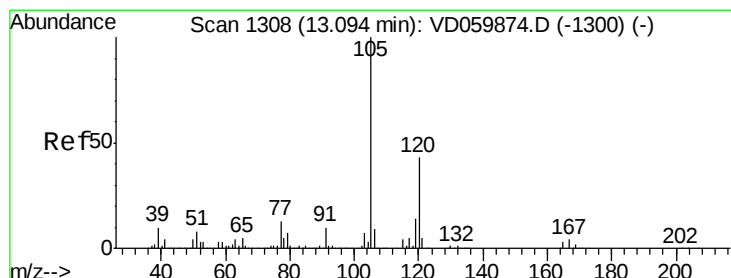
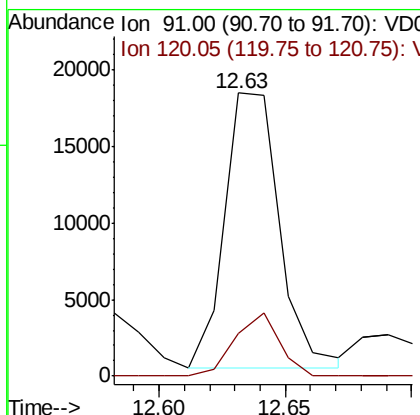
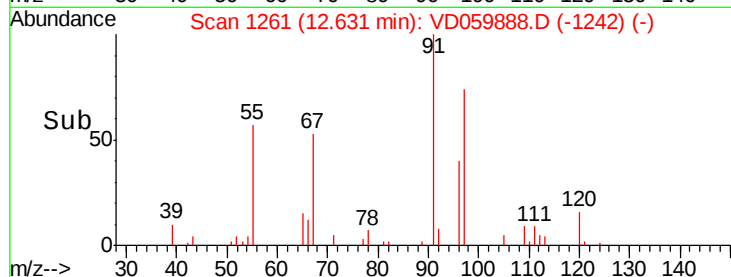
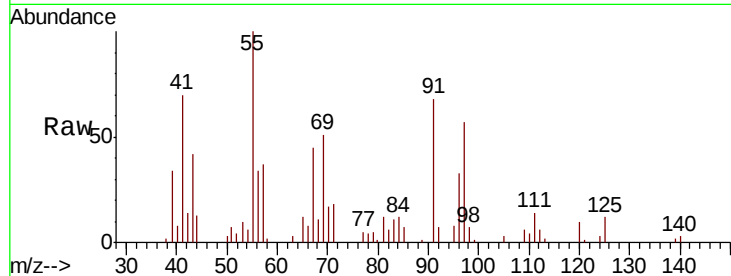
#78
n-propylbenzene
Concen: 2.15 ug/l
RT: 12.63 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VD059888.D
Acq: 23 Aug 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-049RE

Tot Ion: 91 Resp: 26952
Ion Ratio Lower Upper
91 100
120 15.3 10.1 30.3

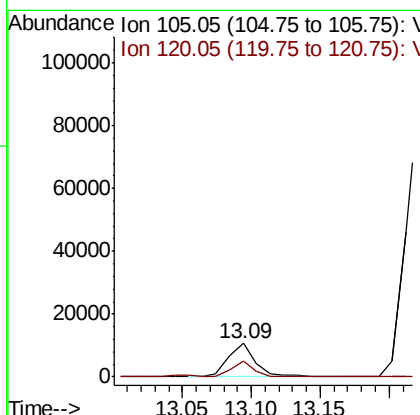
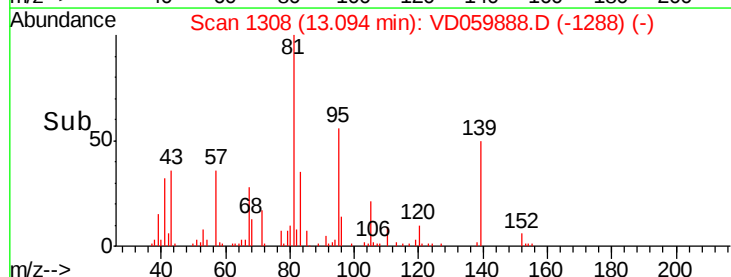
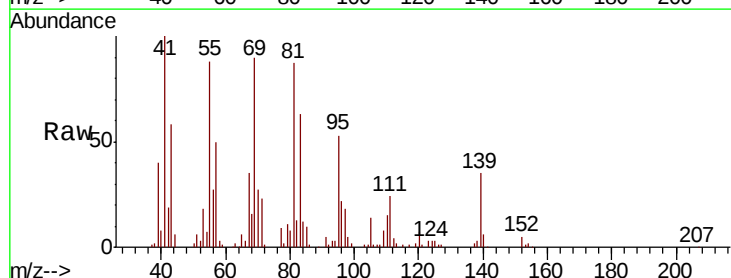
Manual Integrations
APPROVED

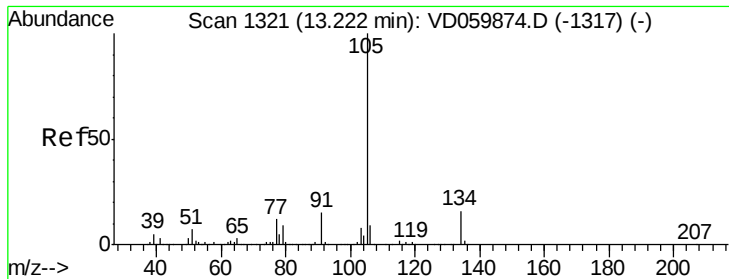
MMDadoda
8/24/2018 3:09:16 PM



#84
1,2,4-Trimethylbenzene
Concen: 1.78 ug/l
RT: 13.09 min Scan# 1308
Delta R.T. 0.00 min
Lab File: VD059888.D
Acq: 23 Aug 2018 15:11

Tgt Ion:105 Resp: 14568
Ion Ratio Lower Upper
105 100
120 46.2 21.8 65.3





#85

sec-Butylbenzene

Concen: 10.71 ug/l

RT: 13.22 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VD059888.D

Acq: 23 Aug 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-049RE

Tot Ion: 105 Resp: 112945

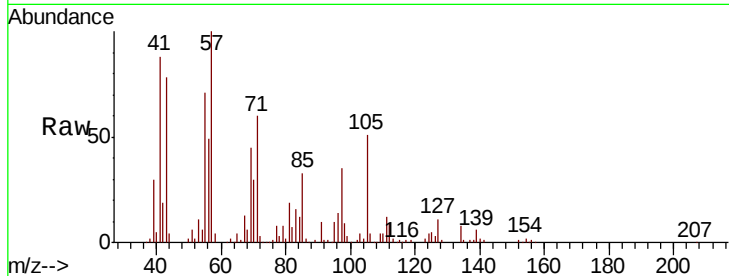
Ion Ratio Lower Upper

105 100

134 16.3 8.2 24.4

Manual Integrations
APPROVED

MMDadoda
8/24/2018 3:09:16 PM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

13.22

100000

80000

60000

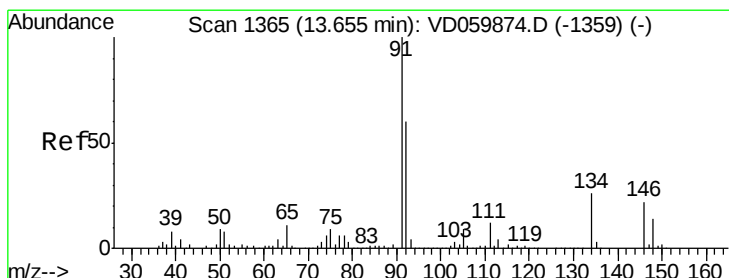
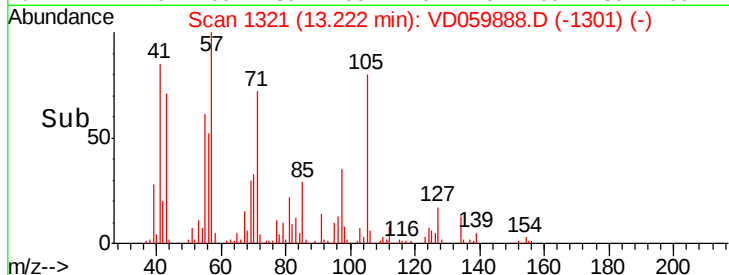
40000

20000

0

13.20 13.30

Time-->



#89

n-Butylbenzene

Concen: 1.48 ug/l m

RT: 13.65 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD059888.D

Acq: 23 Aug 2018 15:11

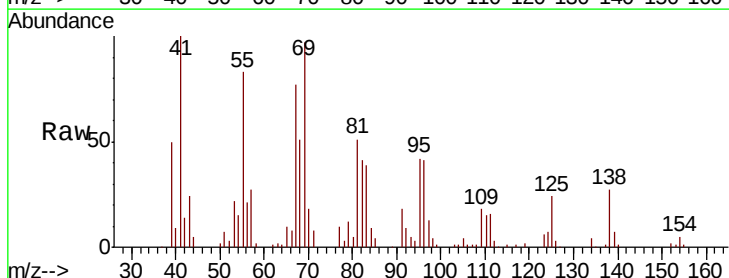
Tgt Ion: 91 Resp: 23077

Ion Ratio Lower Upper

91 100

92 49.6 30.0 90.1

134 21.0 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V

20000

15000

10000

5000

0

13.62 13.64 13.66 13.68

Time-->

