

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092118\
 Data File : VD060071.D
 Acq On : 21 Sep 2018 15:07
 Operator : VA/AP
 Sample : J5017-05
 Misc : 5.00/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Sep 24 14:13:56 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	6.40	168	1211645	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	1697344	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1277627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	525808	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.78	65	380700	40.29	ug/l	0.02
Spiked Amount	50.000		Recovery	=	80.58%	
35) Dibromofluoromethane	6.32	113	519453	39.17	ug/l	0.02
Spiked Amount	50.000		Recovery	=	78.34%	
50) Toluene-d8	9.45	98	1285328	34.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.94%	
62) 4-Bromofluorobenzene	12.42	95	452744	32.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.50%	
Target Compounds						
					Qvalue	
16) Acetone	3.15	43	87128	47.760	ug/l	97
20) Methylene Chloride	3.71	84	159418	5.928	ug/l	99
25) 2-Butanone	5.61	43	48175	9.786	ug/l	99
39) Methylcyclohexane	8.03	83	86709	4.546	ug/l	97
68) m/p-Xylenes	11.56	106	20047	1.228	ug/l	92
69) o-Xylene	11.93	106	20172	1.247	ug/l	92
73) Isopropylbenzene	12.27	105	59367	1.722	ug/l	100
78) n-propylbenzene	12.63	91	90008	2.076	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	94458	3.574	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	337248	11.957	ug/l	98
86) p-Isopropyltoluene	13.34	119	82457	2.805	ug/l #	88
89) n-Butylbenzene	13.65	91	132452m	2.286	ug/l	

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

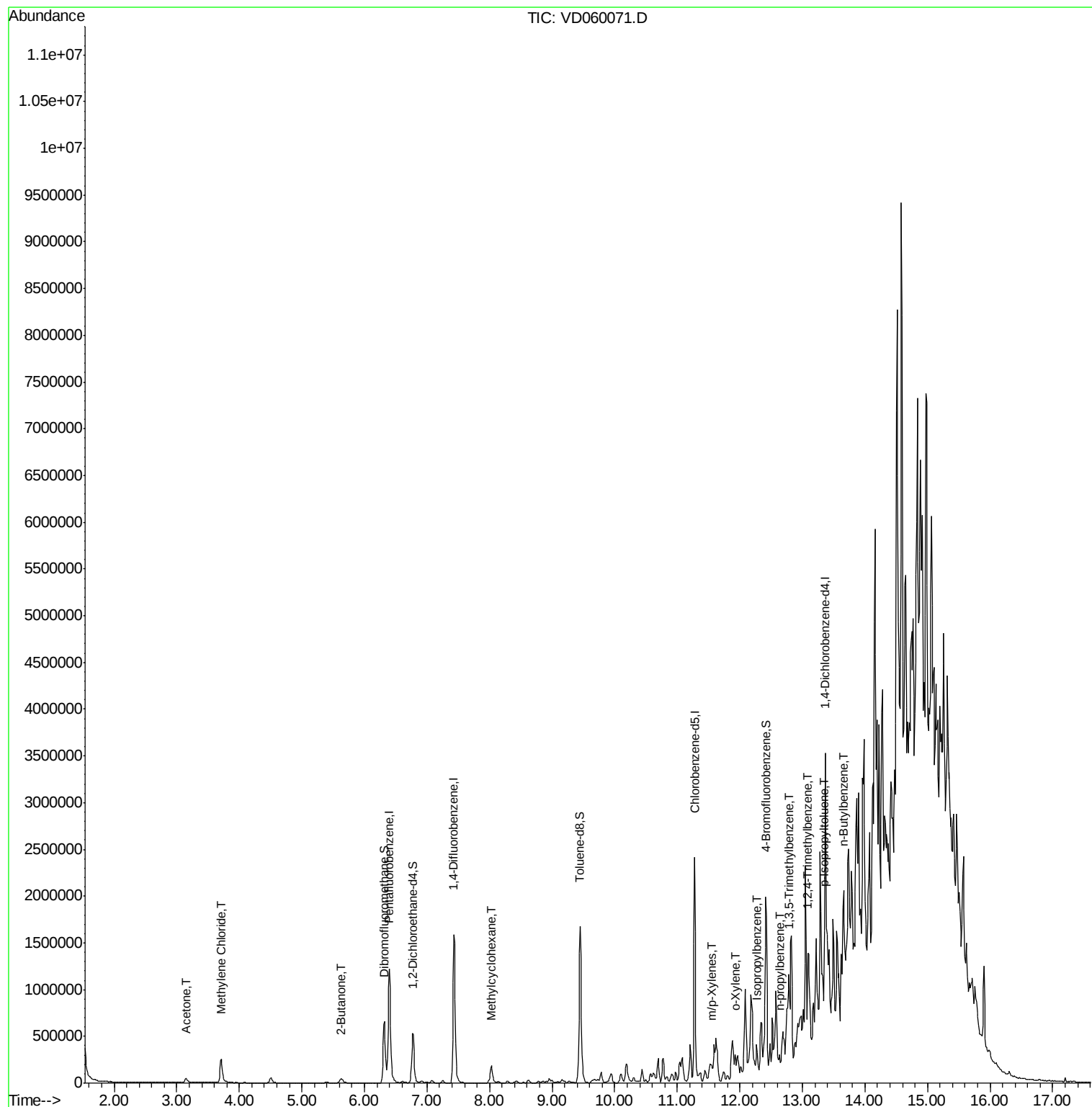
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092118\
Data File : VD060071.D
Acq On : 21 Sep 2018 15:07
Operator : VA/AP
Sample : J5017-05
Misc : 5.00/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

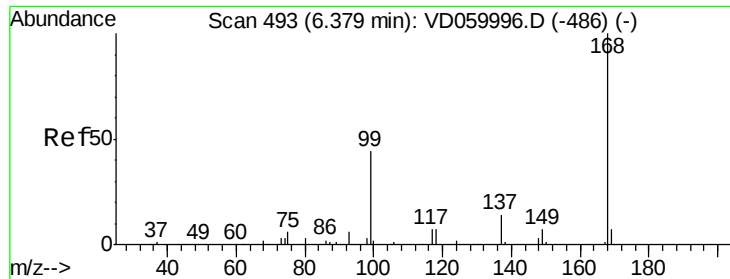
Instrument :
MSVOA_D
ClientSampleId :
RA-091918-S-EW-059

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Quant Time: Sep 24 14:13:56 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: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060071.D

Acq: 21 Sep 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-EW-059

Tot Ion:168 Resp: 1211645

Ion Ratio Lower Upper

168 100

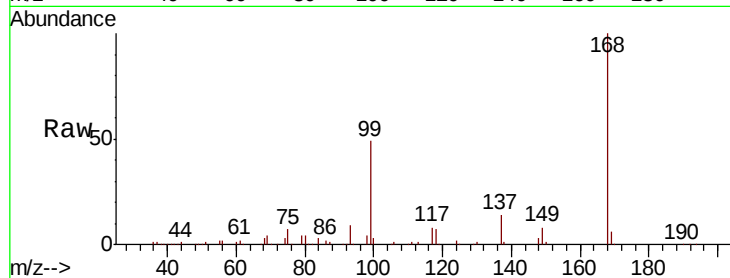
99 49.4 38.5 57.7

Manual Integrations

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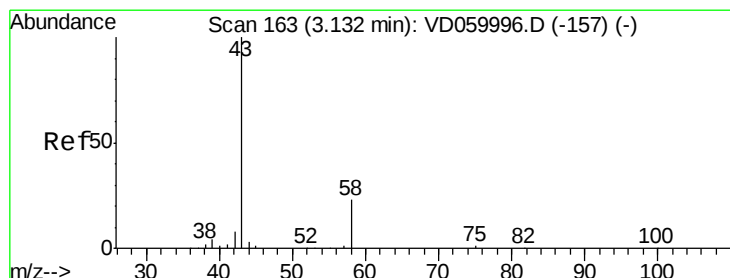
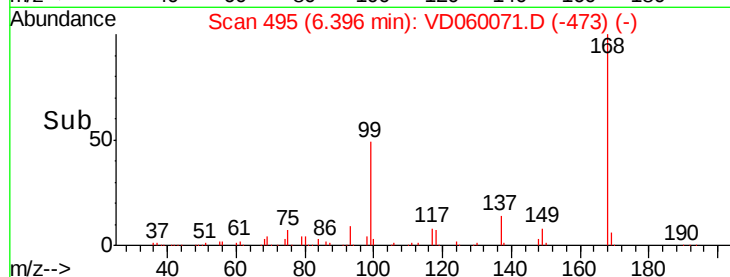
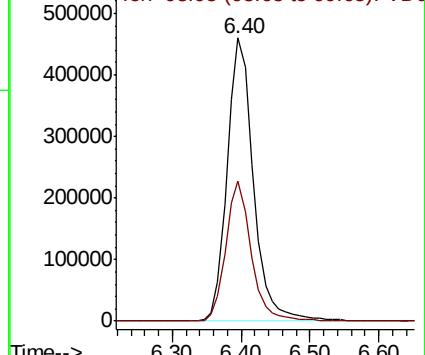
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 47.760 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD060071.D

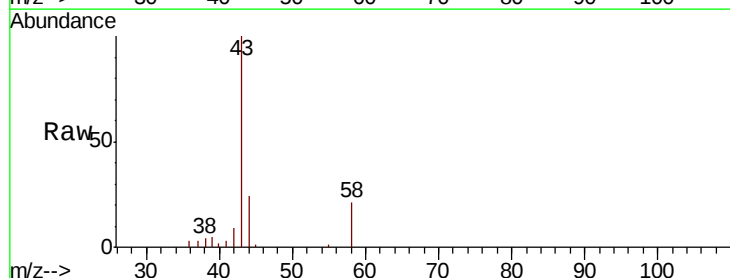
Acq: 21 Sep 2018 15:07

Tgt Ion: 43 Resp: 87128

Ion Ratio Lower Upper

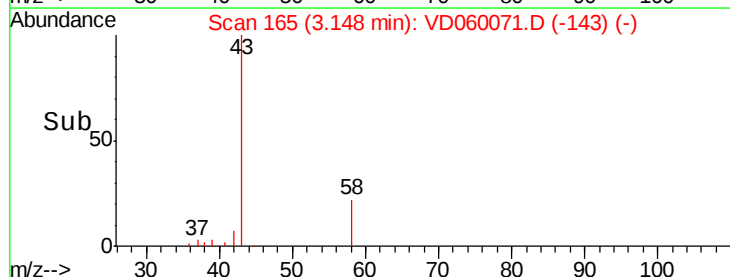
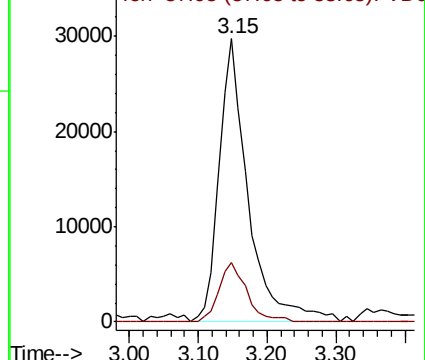
43 100

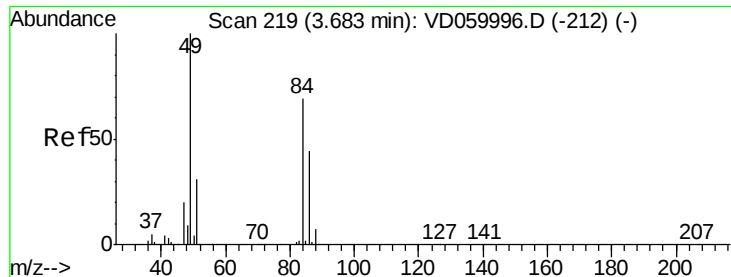
58 21.1 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





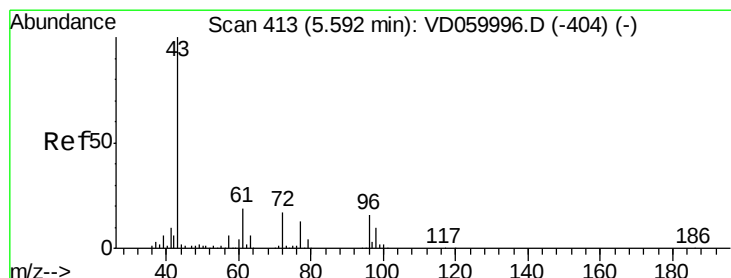
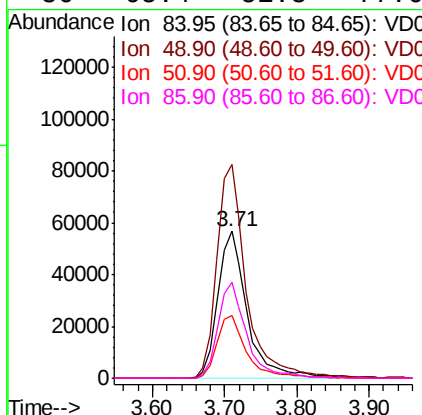
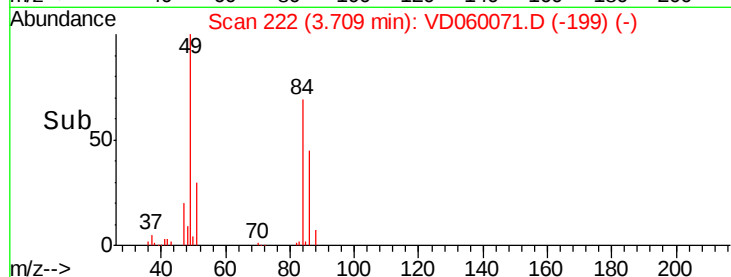
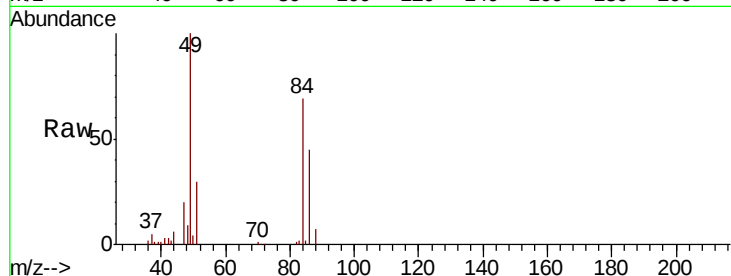
#20
Methvlene Chloride
Concen: 5.928 ug/l
RT: 3.71 min Scan# 222
Delta R.T. 0.03 min
Lab File: VD060071.D
Acq: 21 Sep 2018 15:07

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

Tot Ion	Ratio	Lower	Upper
84	100		
49	145.6	116.6	175.0
51	43.0	35.9	53.9
86	65.4	51.8	77.6

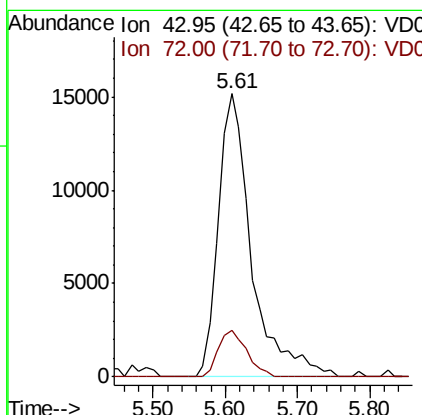
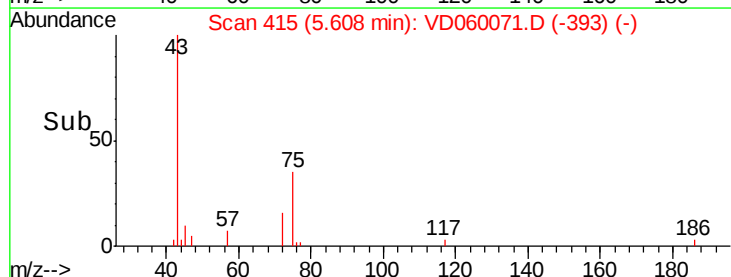
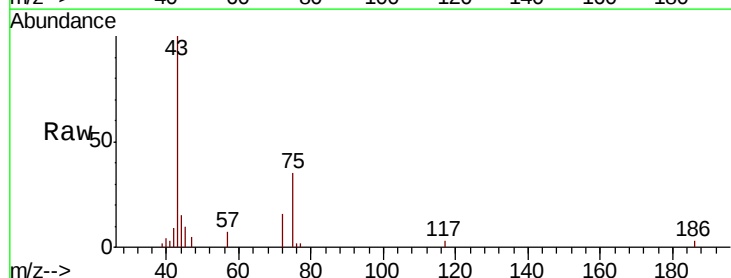
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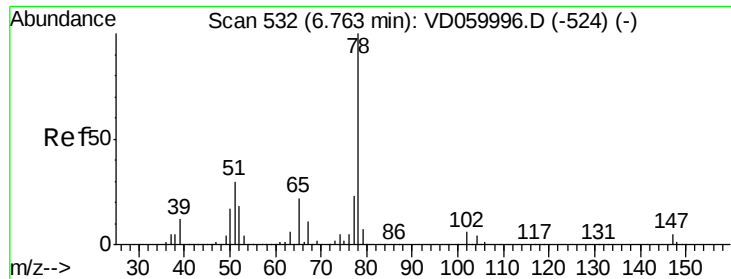
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#25
2-Butanone
Concen: 9.786 ug/l
RT: 5.61 min Scan# 415
Delta R.T. 0.02 min
Lab File: VD060071.D
Acq: 21 Sep 2018 15:07

Tgt Ion	Ratio	Lower	Upper
43	100		
72	16.4	13.6	20.4





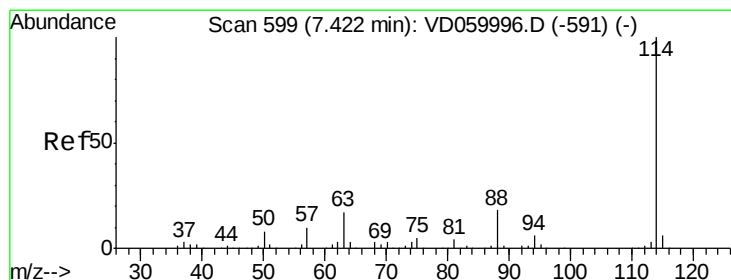
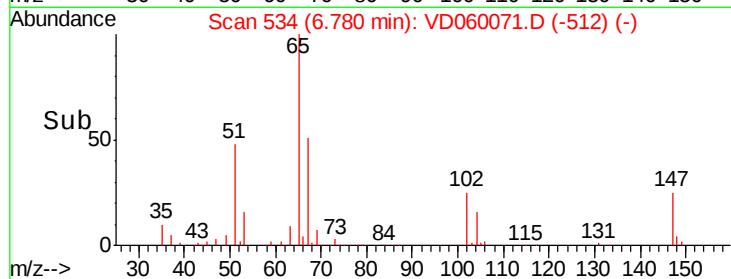
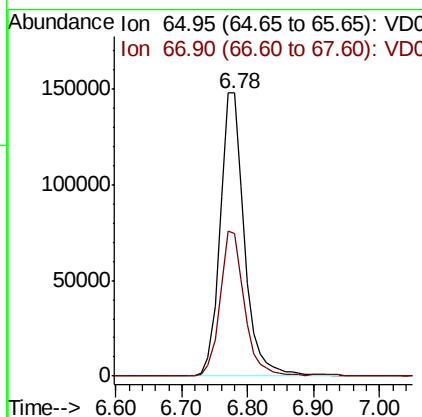
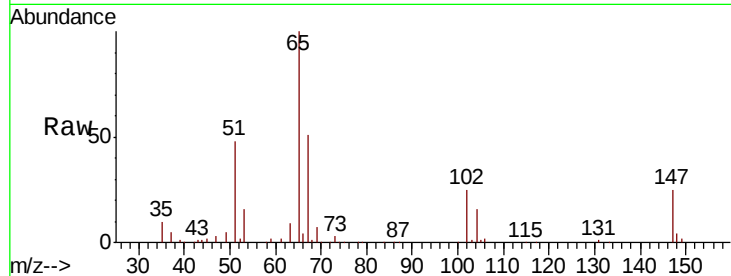
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VD060071.D
 Acq: 21 Sep 2018 15:07

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

Tot Ion: 65 Resp: 380700
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 104.8

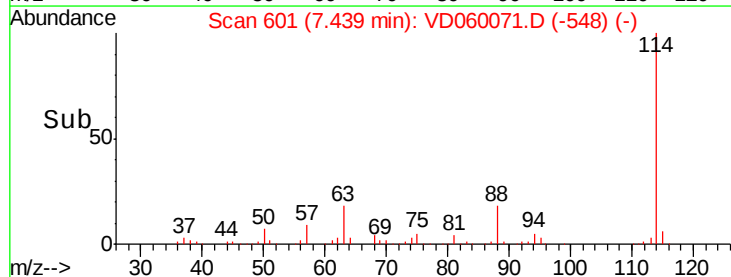
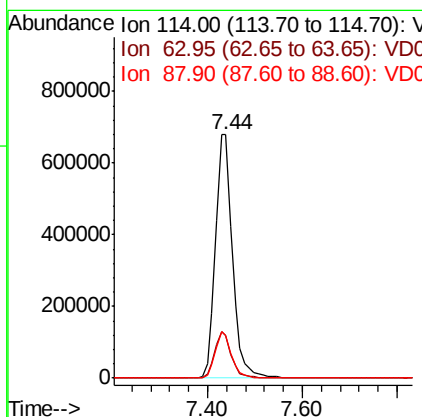
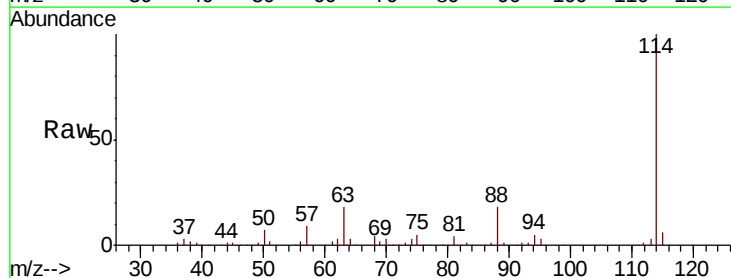
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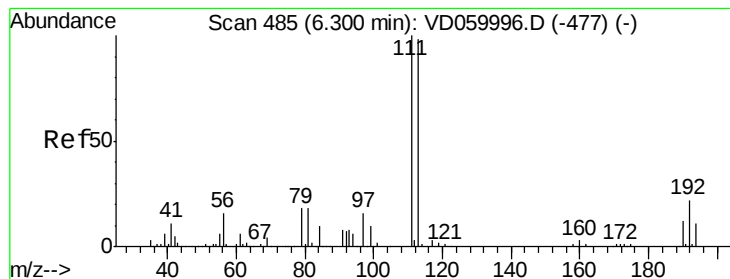
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060071.D
 Acq: 21 Sep 2018 15:07

Tgt Ion: 114 Resp: 1697344
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 34.4
 88 17.8 0.0 35.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 487

Delta R.T. 0.02 min

Lab File: VD060071.D

Acq: 21 Sep 2018 15:07

Instrument :

MSVOA_D

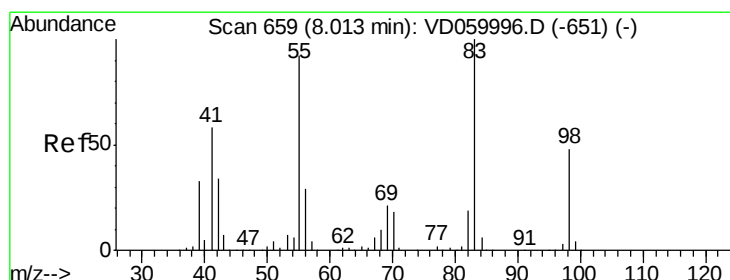
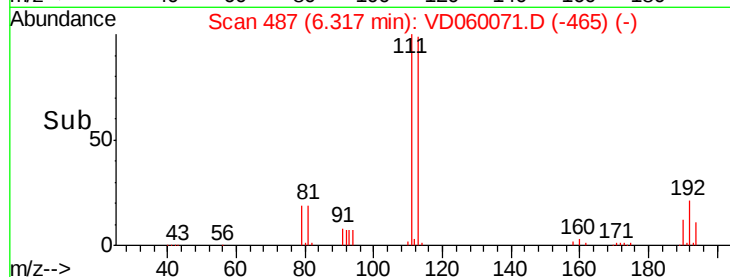
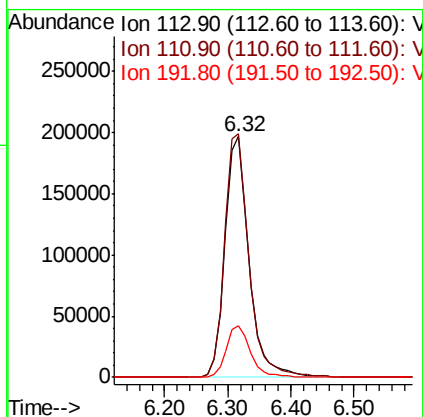
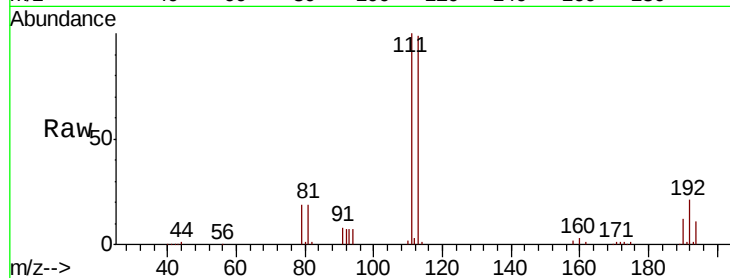
ClientSampleId :

RA-091918-S-EW-059

Tot Ion:	113	Resp:	519453
Ion Ratio	Lower	Upper	
113	100		
111	101.2	81.3	121.9
192	21.6	18.1	27.1

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#39

Methylcyclohexane

Concen: 4.546 ug/l

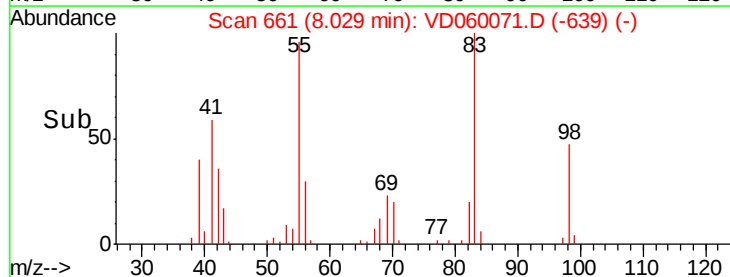
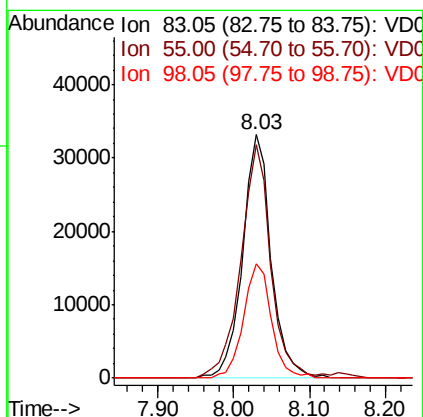
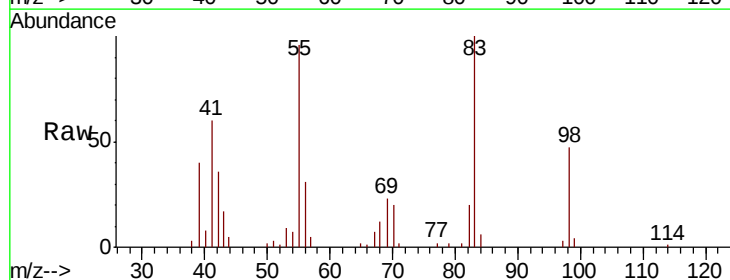
RT: 8.03 min Scan# 661

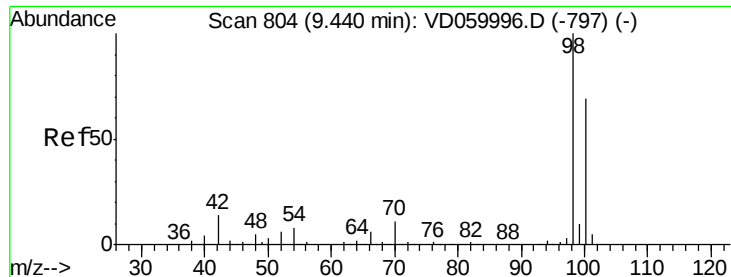
Delta R.T. 0.02 min

Lab File: VD060071.D

Acq: 21 Sep 2018 15:07

Tgt Ion:	83	Resp:	86709
Ion Ratio	Lower	Upper	
83	100		
55	95.7	73.8	110.6
98	46.9	38.1	57.1





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.45 min Scan# 805

Delta R.T. 0.01 min

Lab File: VD060071.D

Acq: 21 Sep 2018 15:07

Tot Ion: 98 Resp: 1285328

Ion Ratio Lower Upper

98 100

100 68.6 55.8 83.6

Instrument :

MSVOA_D

ClientSampleId :

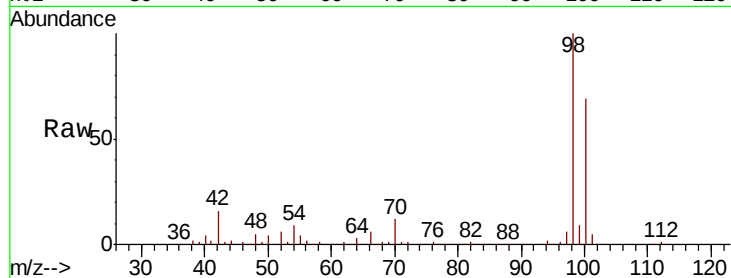
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Abundance Ion 98.05 (97.75 to 98.75): VD0

Ion 100.05 (99.75 to 100.75): VD

600000

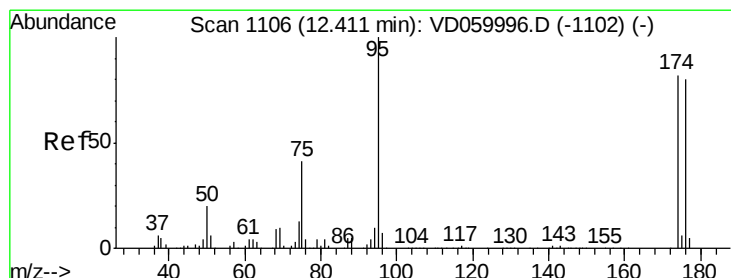
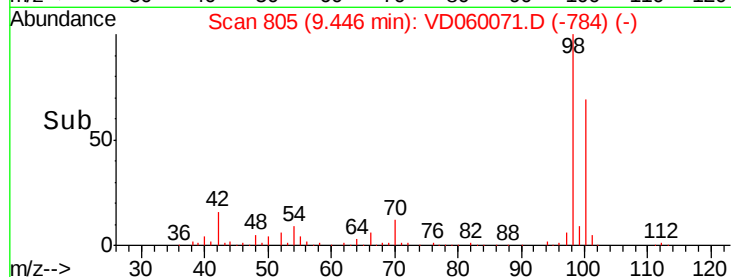
400000

200000

0

9.30 9.40 9.50 9.60

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD060071.D

Acq: 21 Sep 2018 15:07

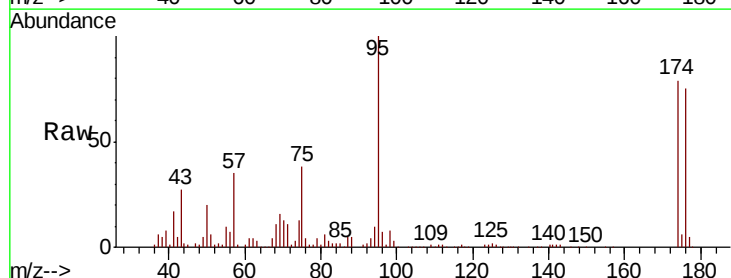
Tgt Ion: 95 Resp: 452744

Ion Ratio Lower Upper

95 100

174 78.7 0.0 165.0

176 75.4 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): VD0

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

400000

300000

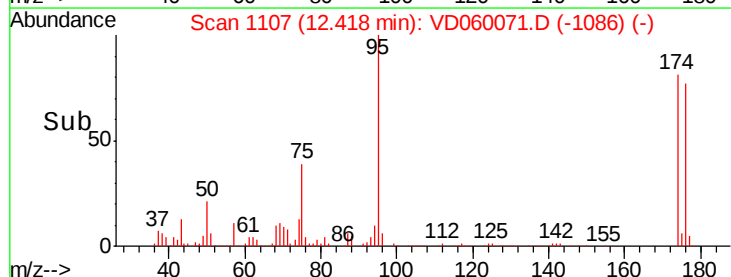
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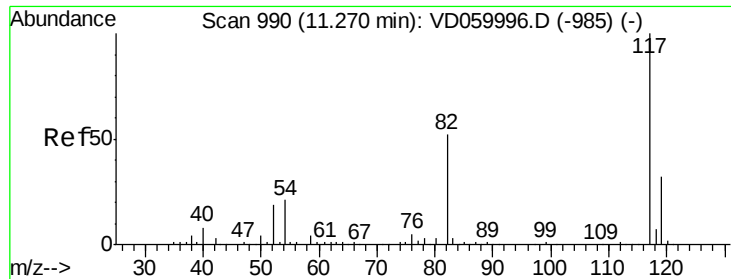
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0

12.35 12.40 12.45

Time-->





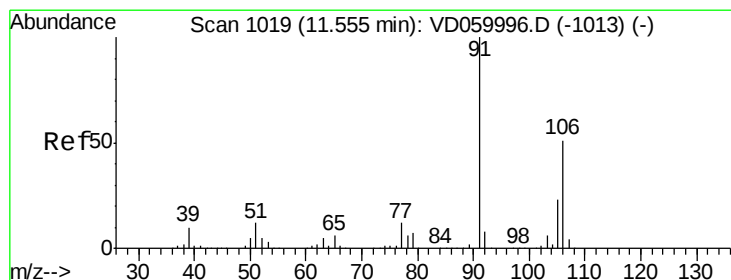
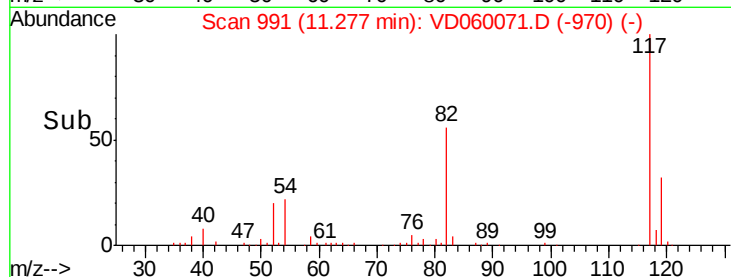
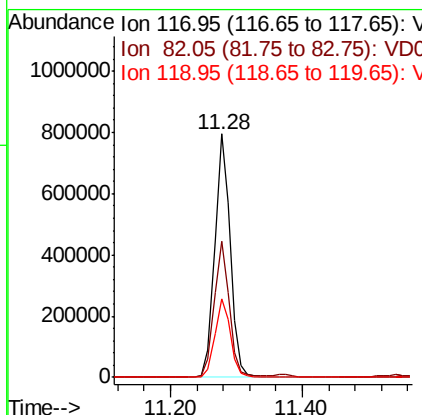
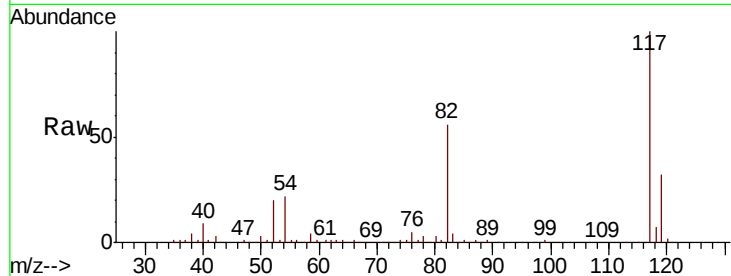
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060071.D
Acq: 21 Sep 2018 15:07

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

Tot Ion:117 Resp: 1277627
Ion Ratio Lower Upper
117 100
82 55.7 41.7 62.5
119 32.3 26.0 39.0

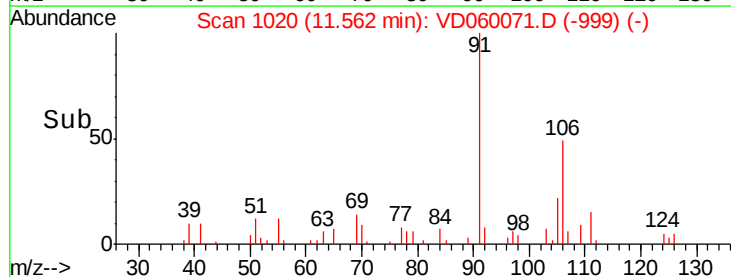
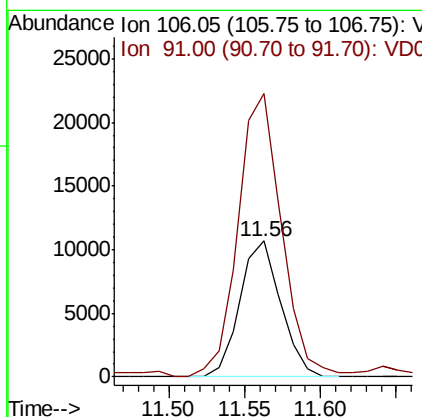
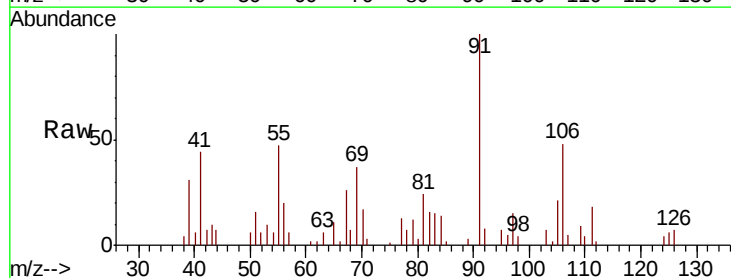
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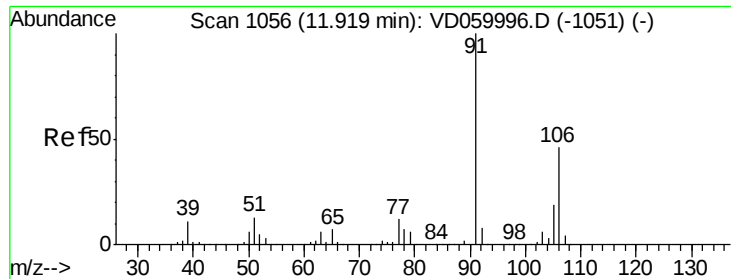
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#68
m/p-Xylenes
Concen: 1.228 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060071.D
Acq: 21 Sep 2018 15:07

Tgt Ion:106 Resp: 20047
Ion Ratio Lower Upper
106 100
91 208.0 157.0 235.6





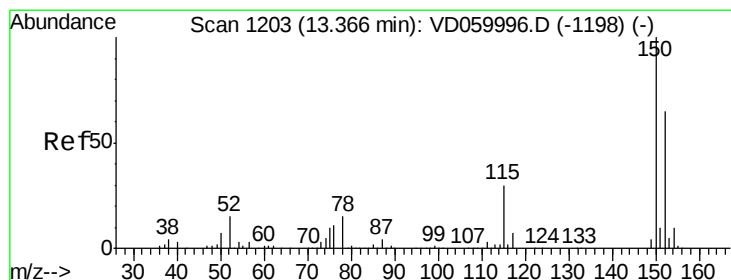
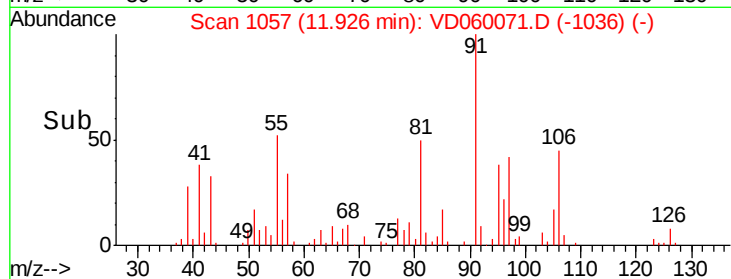
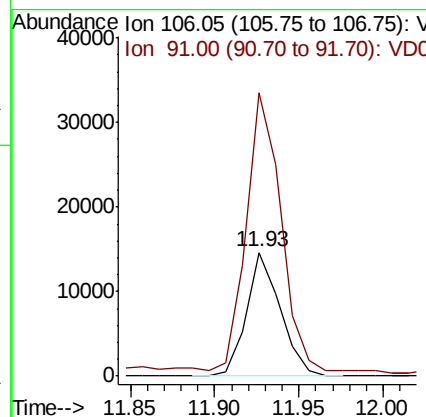
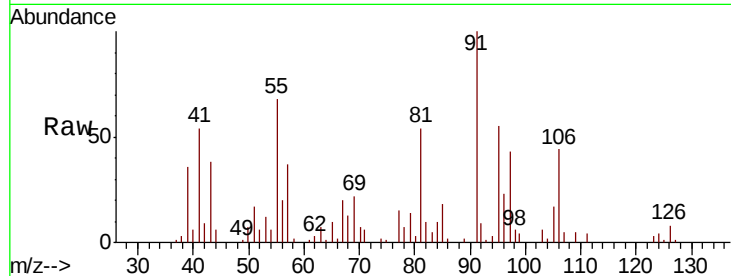
#69
o-Xylene
Concen: 1.247 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD060071.D
Acq: 21 Sep 2018 15:07

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

Tot Ion:106 Resp: 20172
Ion Ratio Lower Upper
106 100
91 228.6 107.7 323.1

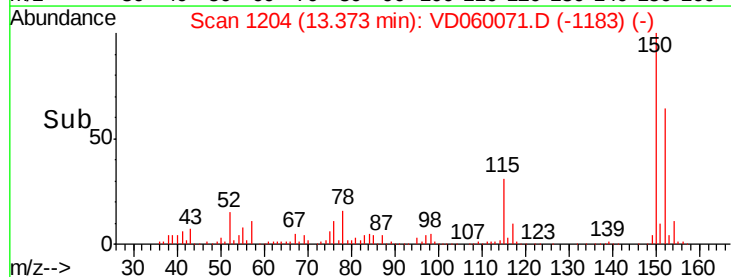
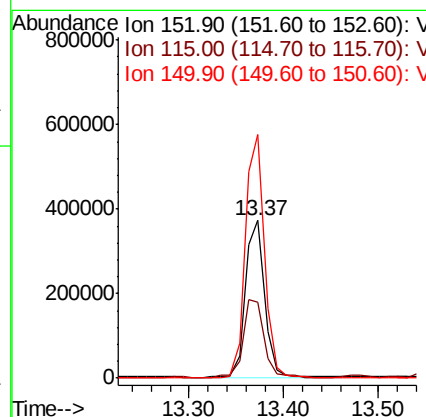
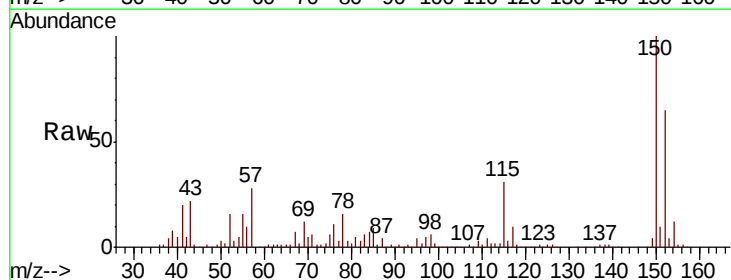
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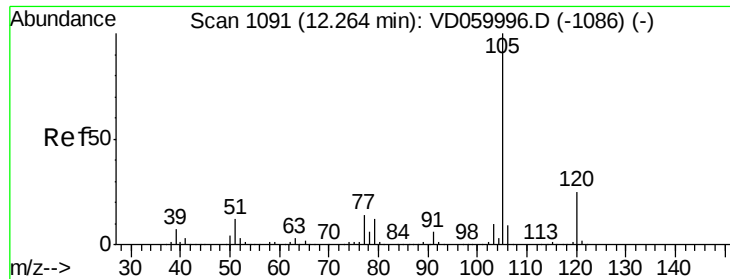
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9/24/2018 2:07:01 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060071.D
Acq: 21 Sep 2018 15:07

Tgt Ion:152 Resp: 525808
Ion Ratio Lower Upper
152 100
115 48.4 24.6 73.8
150 154.7 0.0 313.4





#73

Isopropylbenzene

Concen: 1.722 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD060071.D

Acq: 21 Sep 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-EW-059

Tot Ion:105 Resp: 59367

Ion Ratio Lower Upper

105 100

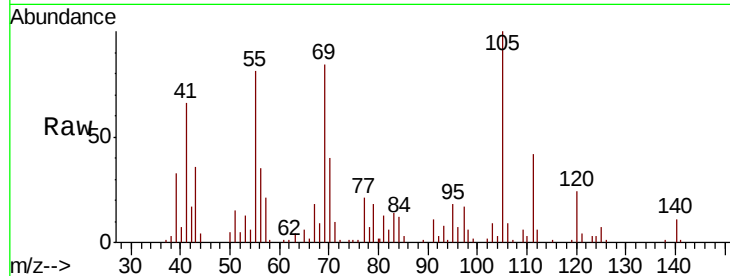
120 24.4 12.3 36.9

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.27

50000

40000

30000

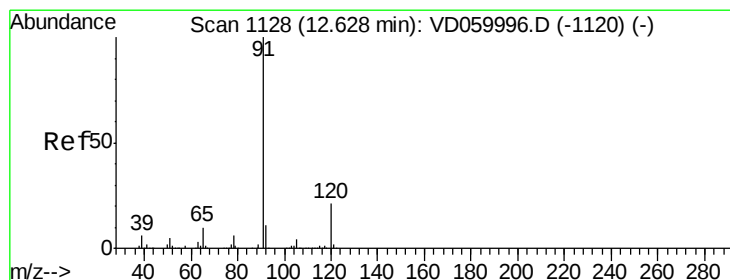
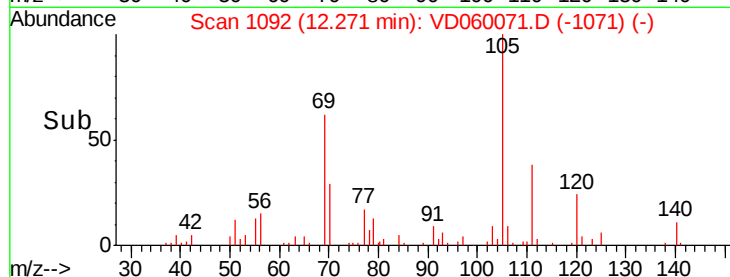
20000

10000

0

Time-->

12.20 12.25 12.30 12.35



#78

n-propylbenzene

Concen: 2.076 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060071.D

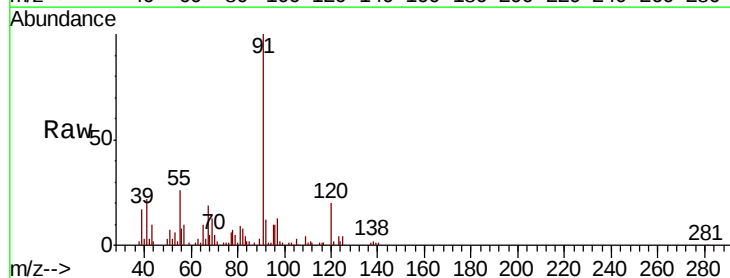
Acq: 21 Sep 2018 15:07

Tgt Ion: 91 Resp: 90008

Ion Ratio Lower Upper

91 100

120 20.3 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

80000

60000

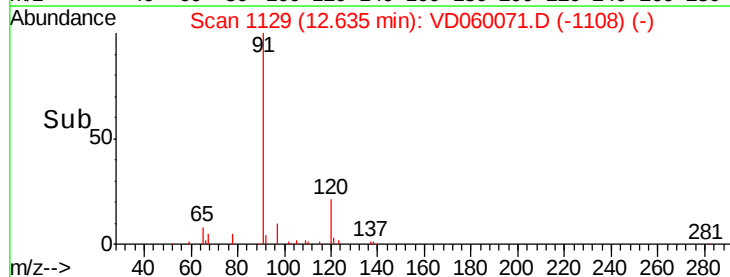
40000

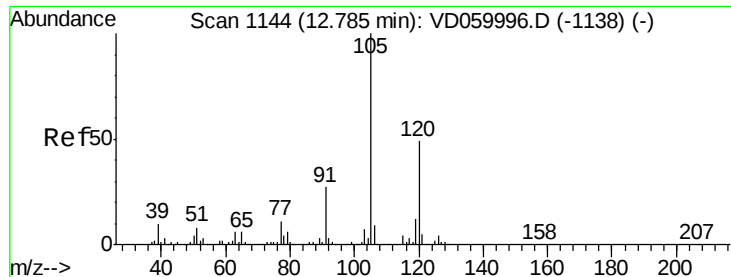
20000

0

Time-->

12.60 12.65 12.70





#80

1,3,5-Trimethylbenzene

Concen: 3.574 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060071.D

Acq: 21 Sep 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-S-EW-059

Tot Ion:105 Resp: 94458

Ion Ratio Lower Upper

105 100

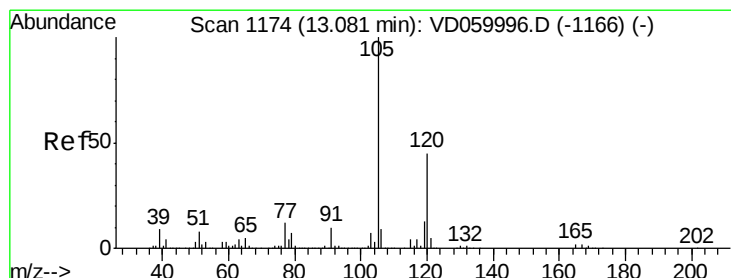
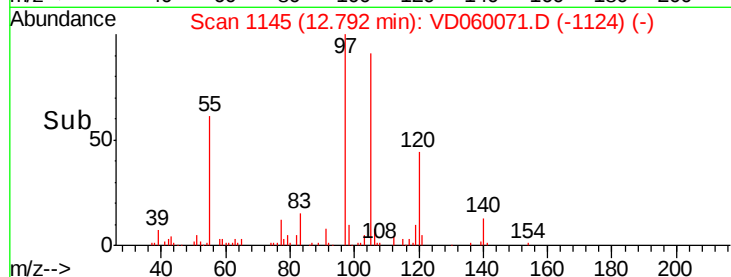
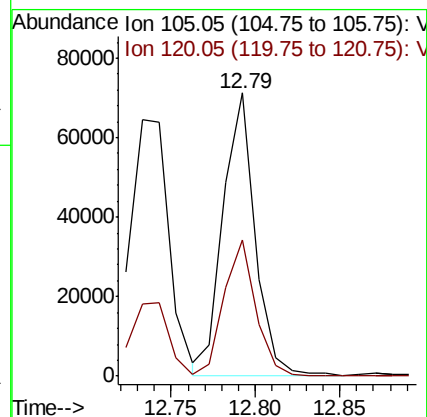
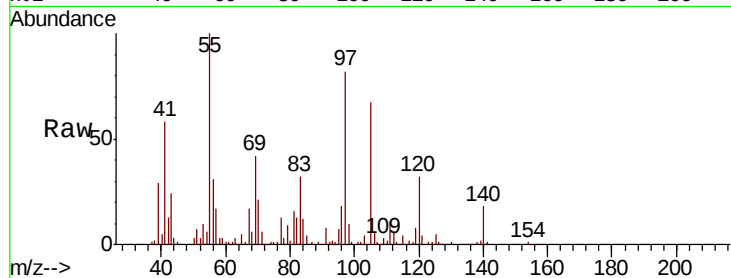
120 48.0 24.4 73.2

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#84

1,2,4-Trimethylbenzene

Concen: 11.957 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VD060071.D

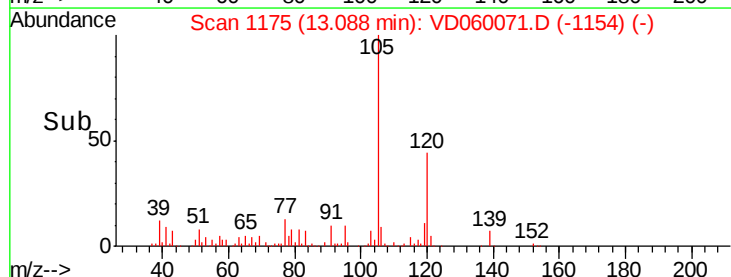
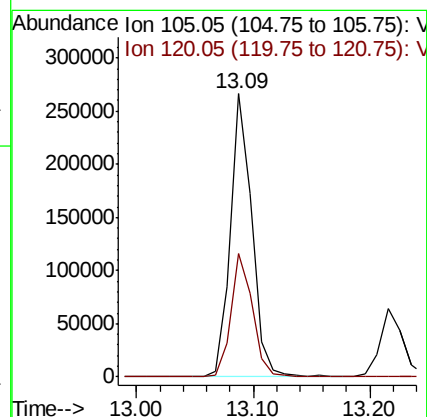
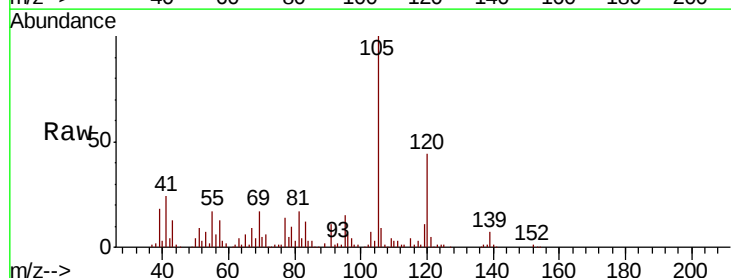
Acq: 21 Sep 2018 15:07

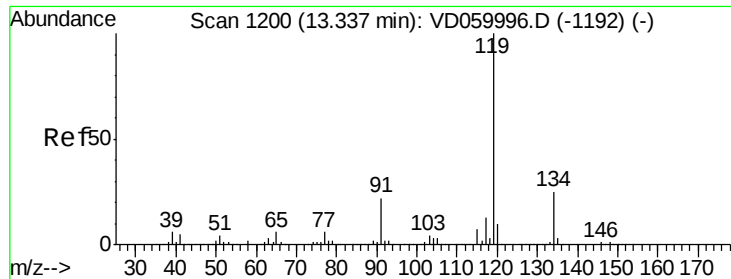
Tgt Ion:105 Resp: 337248

Ion Ratio Lower Upper

105 100

120 43.7 22.4 67.0





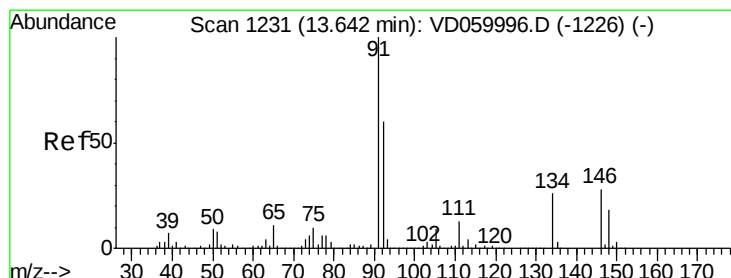
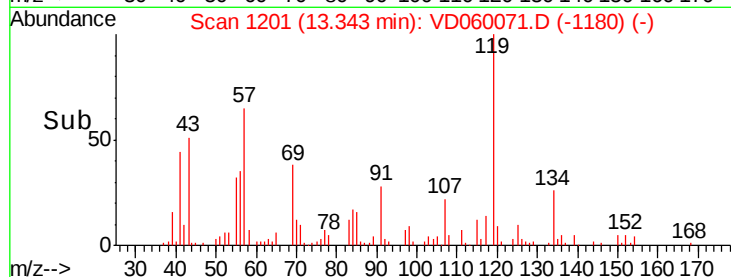
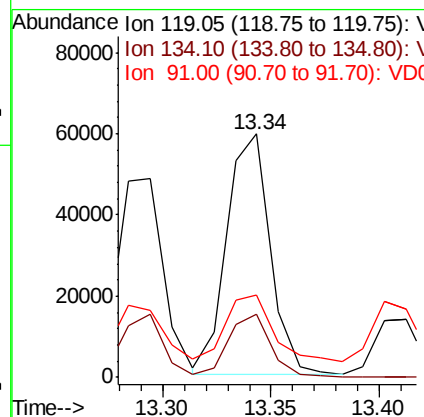
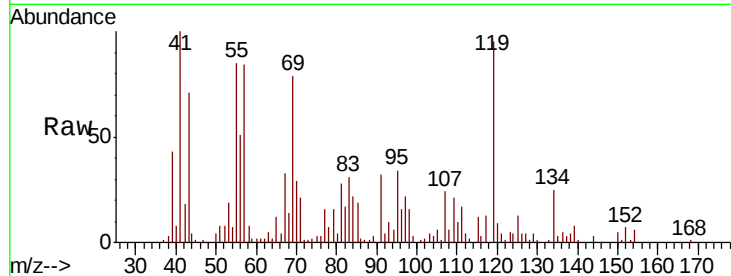
#86
p-Isopropyltoluene
Concen: 2.805 ug/l
RT: 13.34 min Scan# 1201
Delta R.T. 0.01 min
Lab File: VD060071.D
Acq: 21 Sep 2018 15:07

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

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.3
91	34.0	11.1	33.3

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#89
n-Butylbenzene
Concen: 2.286 ug/l m
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060071.D
Acq: 21 Sep 2018 15:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.2	29.8	89.3
134	25.3	13.2	39.6

