

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060319\
 Data File : VD062591.D
 Acq On : 3 Jun 2019 17:45
 Operator : VA/AP
 Sample : K3165-03RE
 Misc : 1.02g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 30268RE

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 8:48:15 AM

Quant Time: Jun 04 07:09:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	270433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	434058	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	208990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	77899	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	221178	69.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.50%	
35) Dibromofluoromethane	6.93	113	228535	57.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.56%	
50) Toluene-d8	10.41	98	218152	25.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.34%	
62) 4-Bromofluorobenzene	13.55	95	85521	21.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.76%	
Target Compounds						
					Qvalue	
16) Acetone	3.22	43	1063046	1706.280	ug/l	94
17) Carbon Disulfide	3.38	76	13930	2.026	ug/l #	94
20) Methylene Chloride	3.82	84	14510	6.292	ug/l	92
52) Toluene	10.51	92	1011038	174.799	ug/l	100
67) Ethyl Benzene	12.52	91	49443	6.628	ug/l	96
68) m/p-Xylenes	12.67	106	130641	50.628	ug/l	99
69) o-Xylene	13.05	106	84346	34.265	ug/l	88
73) Isopropylbenzene	13.41	105	18983	3.696	ug/l	89
78) n-propylbenzene	13.77	91	97854	16.531	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	190973	43.518	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	917496	205.180	ug/l	99
85) sec-Butylbenzene	14.37	105	68099	13.128	ug/l	93
86) p-Isopropyltoluene	14.49	119	53582	11.056	ug/l	96
89) n-Butylbenzene	14.80	91	157343m	36.370	ug/l	
95) Naphthalene	16.12	128	317363	141.938	ug/l #	97

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

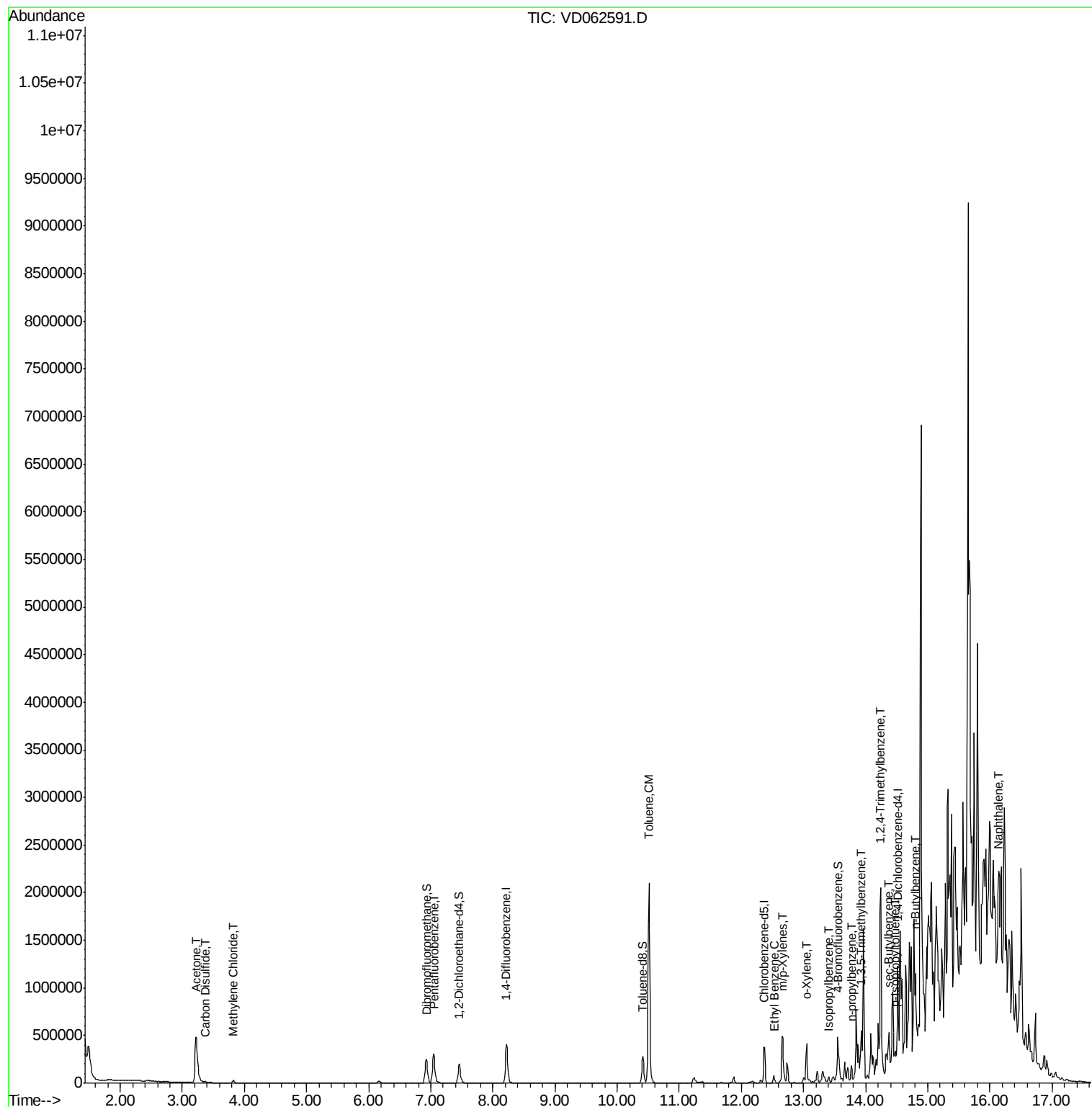
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060319\
Data File : VD062591.D
Acq On : 3 Jun 2019 17:45
Operator : VA/AP
Sample : K3165-03RE
Misc : 1.02g/5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

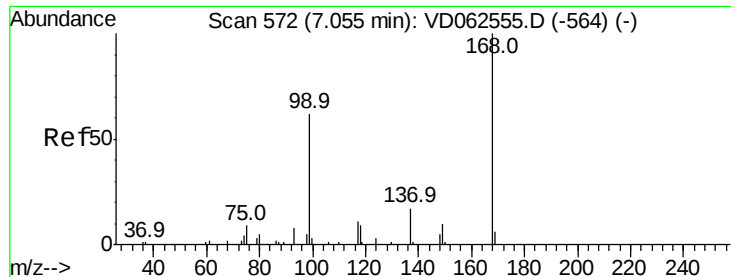
Instrument :
MSVOA_D
ClientSampleId :
30268RE

Manual Integrations
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Quant Time: Jun 04 07:09:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

Instrument :

MSVOA_D

ClientSampled :

30268RE

Tot Ion:168 Resp: 270433

Ion Ratio Lower Upper

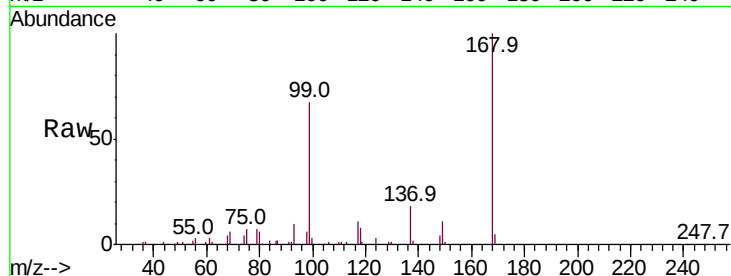
168 100

99 67.1 50.8 76.2

Manual Integrations
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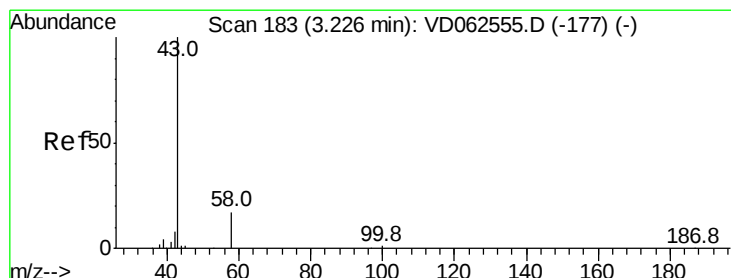
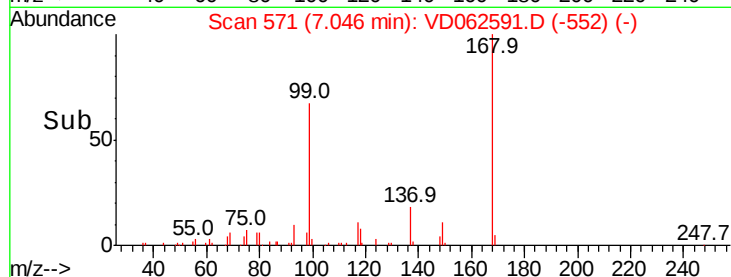
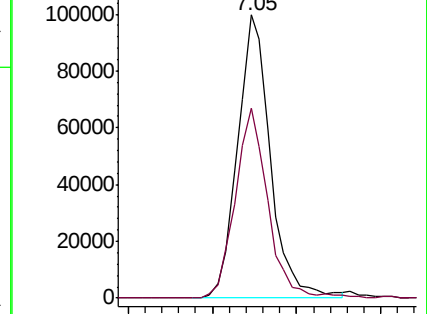
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 1706.280 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062591.D

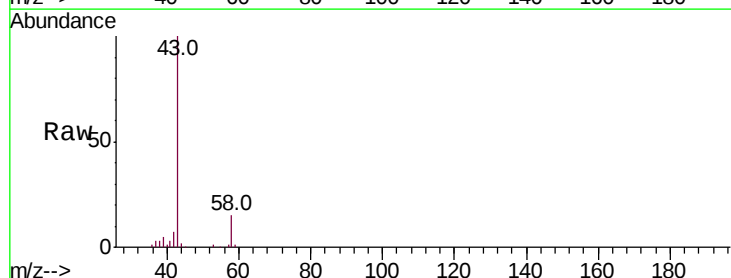
Acq: 3 Jun 2019 17:45

Tgt Ion: 43 Resp: 1063046

Ion Ratio Lower Upper

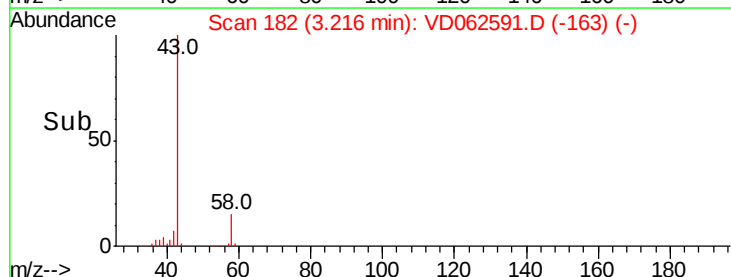
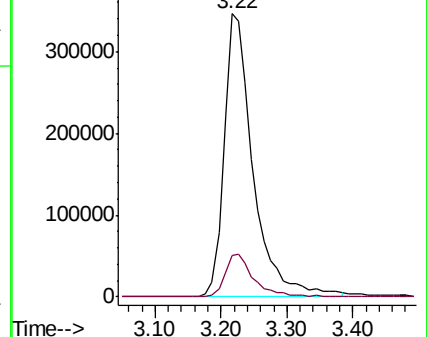
43 100

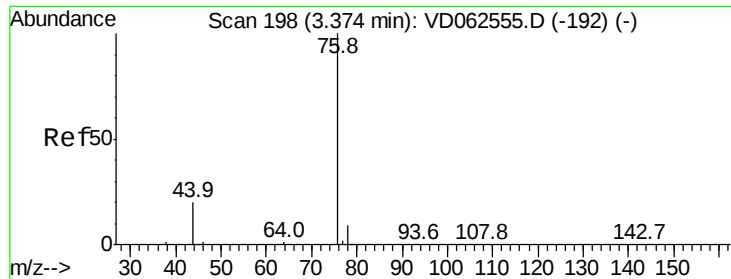
58 14.7 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





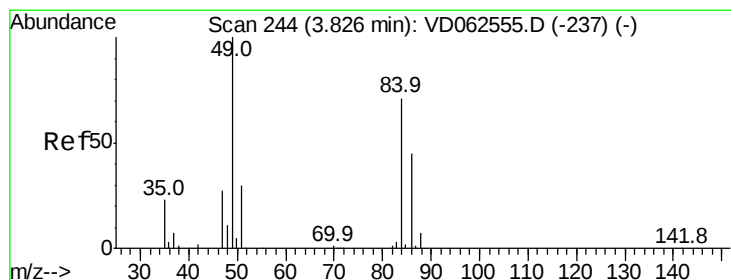
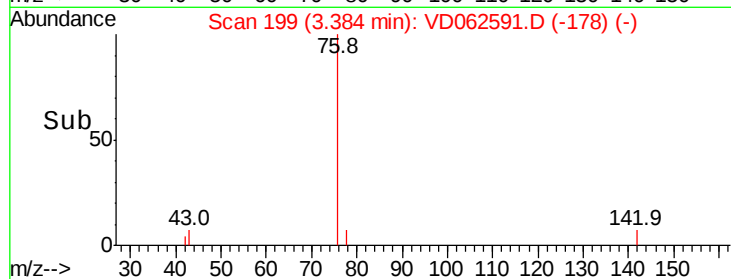
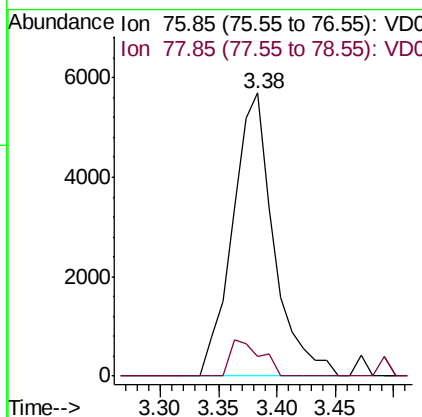
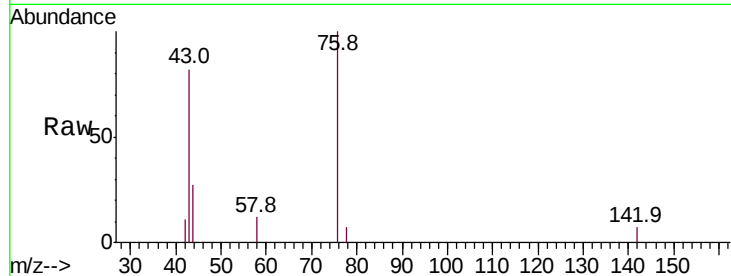
#17
Carbon Disulfide
Concen: 2.026 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.01 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Instrument :
MSVOA_D
ClientSampleId :
30268RE

Tot Ion: 76 Resp: 13930
Ion Ratio Lower Upper
76 100
78 7.0 7.4 11.2#

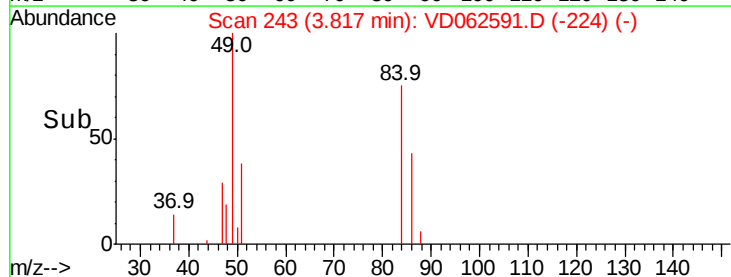
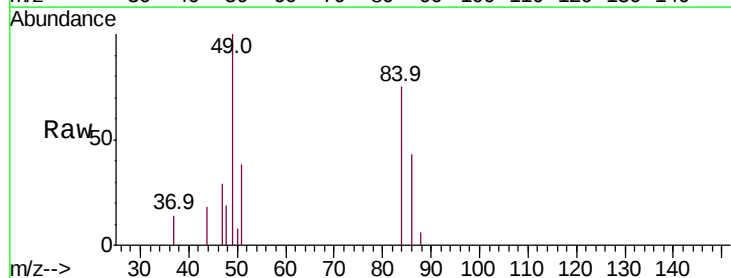
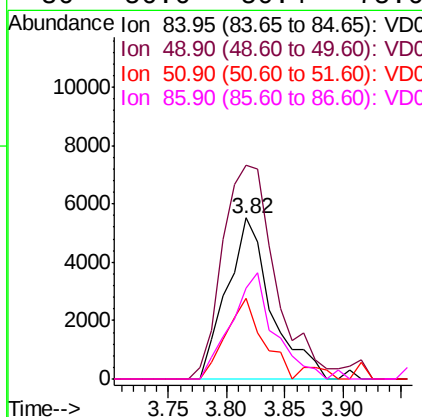
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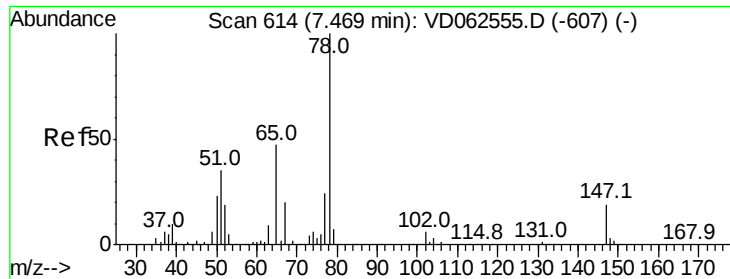
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#20
Methylene Chloride
Concen: 6.292 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Tgt Ion: 84 Resp: 14510
Ion Ratio Lower Upper
84 100
49 132.8 112.3 168.5
51 49.9 33.6 50.4
86 56.6 50.4 75.6





#33

1,2-Dichloroethane-d4

Concen: 69.752 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

Instrument :

MSVOA_D

ClientSampleId :

30268RE

Tot Ion: 65 Resp: 221178

Ion Ratio Lower Upper

65 100

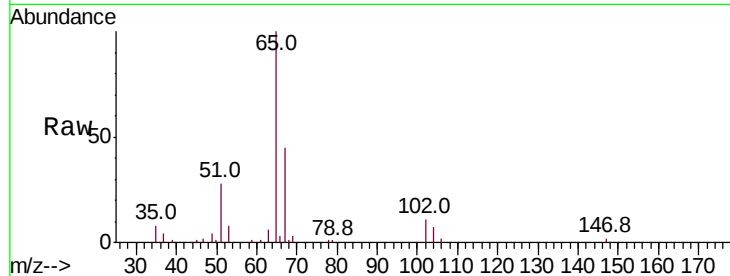
67 45.1 0.0 83.6

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

80000

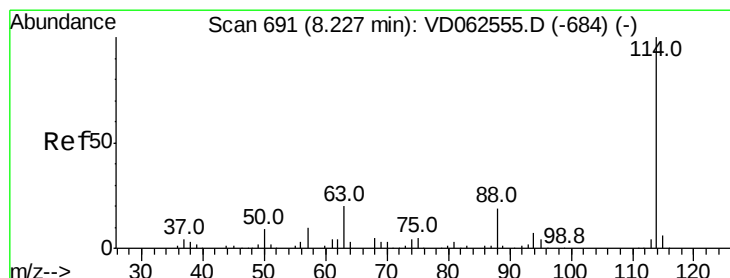
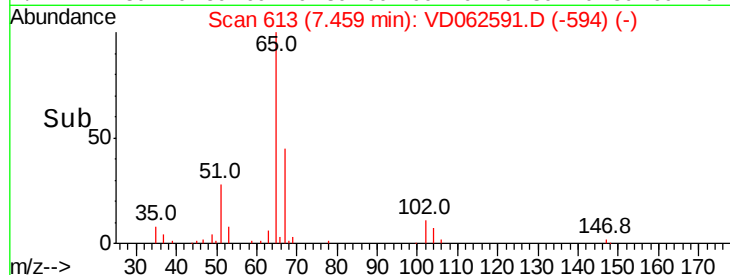
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

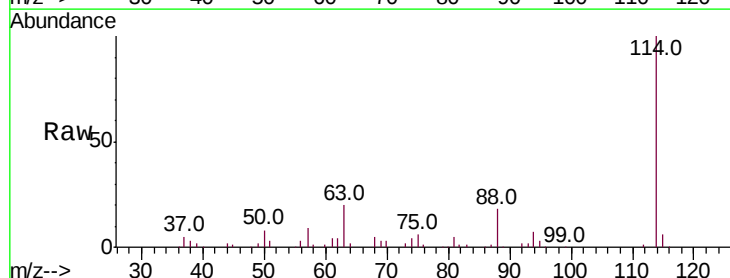
Tgt Ion: 114 Resp: 434058

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.6

88 18.1 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

200000

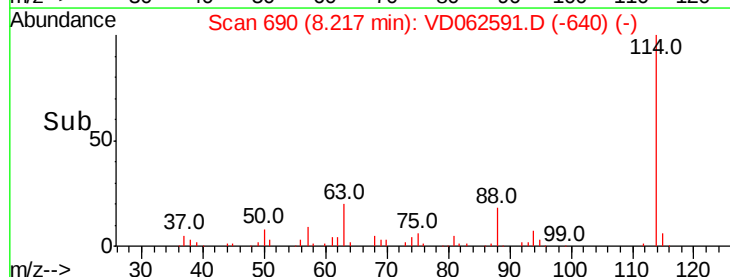
150000

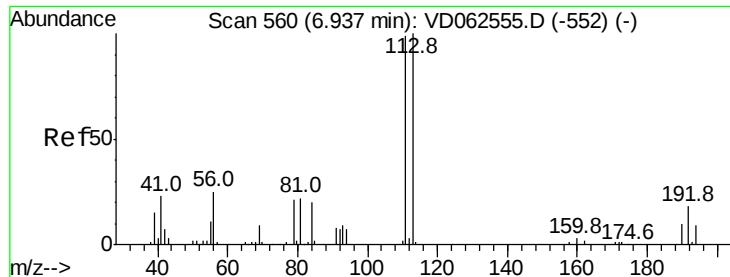
100000

50000

0

Time--> 8.10 8.20 8.30 8.40 8.50





#35

Dibromofluoromethane

Concen: 57.778 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

Instrument :

MSVOA_D

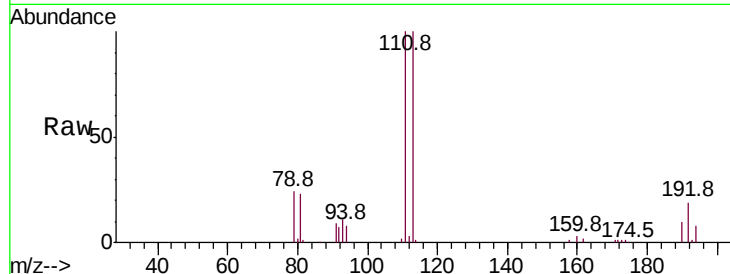
ClientSampleId :

30268RE

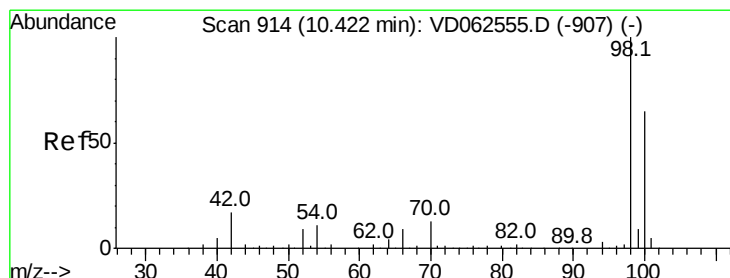
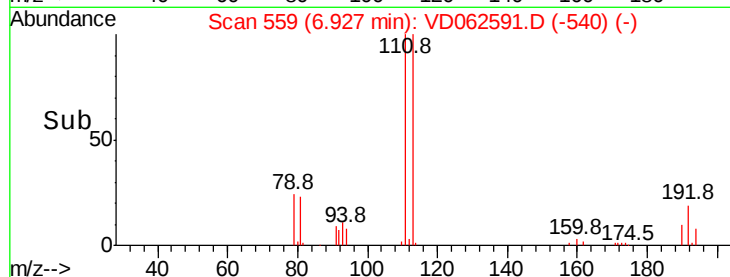
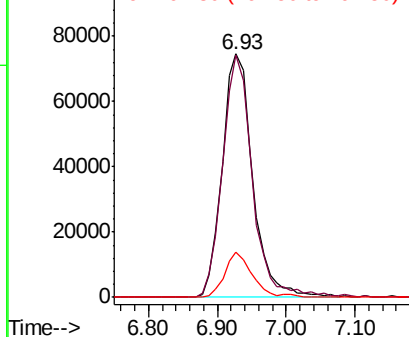
Tot Ion:	113	Resp:	228535
Ion Ratio	Lower	Upper	
113	100		
111	99.7	78.8	118.2
192	18.8	14.6	22.0

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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: 25.172 ug/l

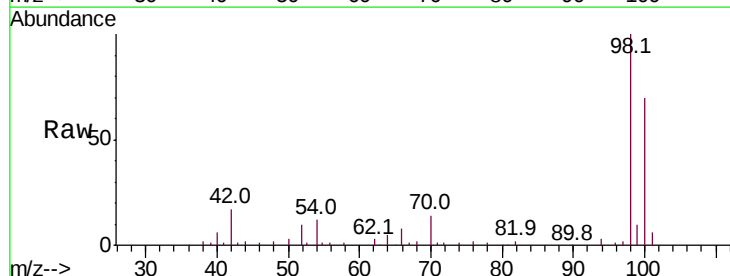
RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

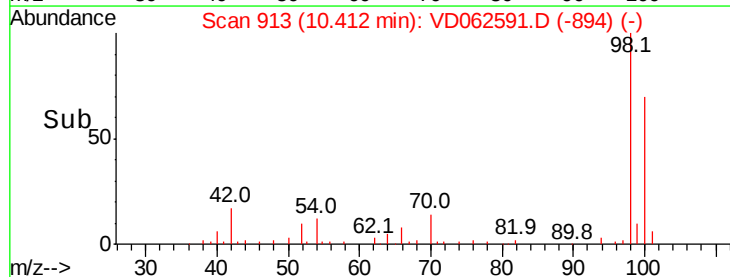
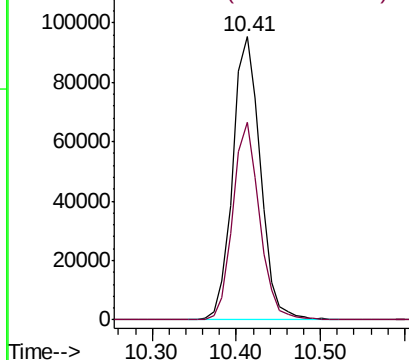
Lab File: VD062591.D

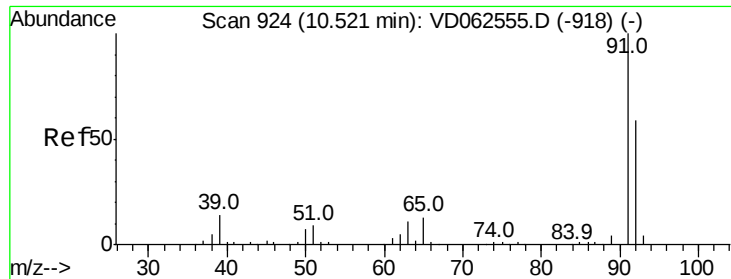
Acq: 3 Jun 2019 17:45

Tgt Ion:	98	Resp:	218152
Ion Ratio	Lower	Upper	
98	100		
100	70.0	52.3	78.5



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 174.799 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

Instrument :

MSVOA_D

ClientSampleId :

30268RE

Tot Ion: 92 Resp: 1011038

Ion Ratio Lower Upper

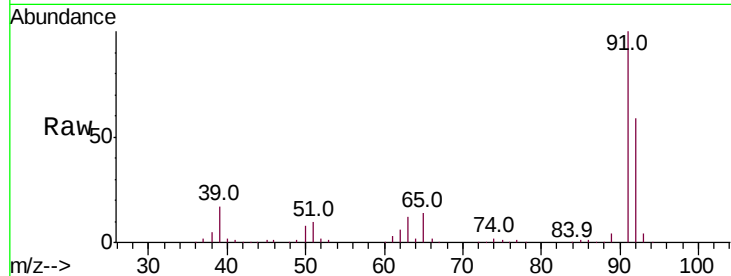
92 100

91 169.0 135.5 203.3

Manual Integrations
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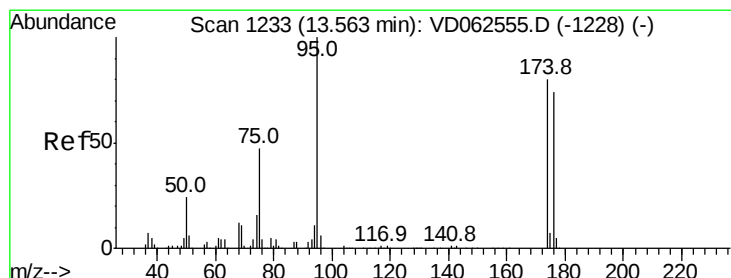
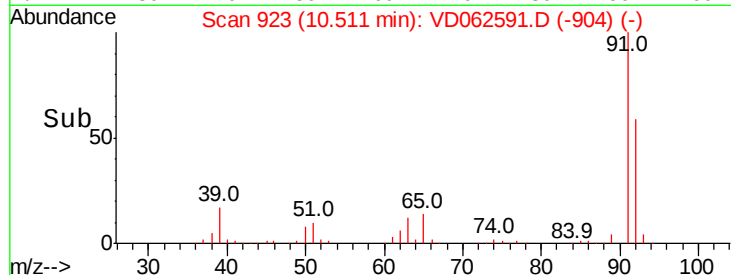
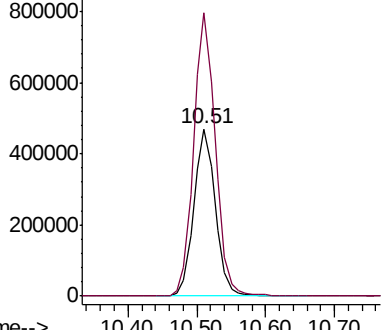
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Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 21.882 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

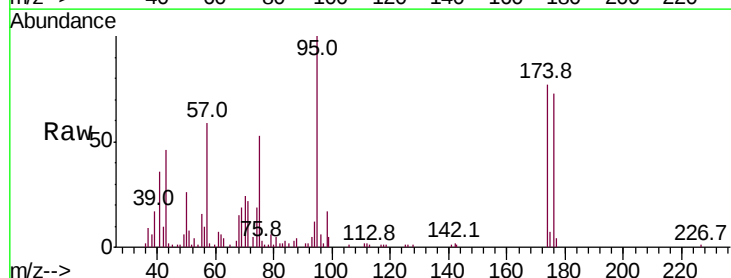
Tgt Ion: 95 Resp: 85521

Ion Ratio Lower Upper

95 100

174 76.9 0.0 160.2

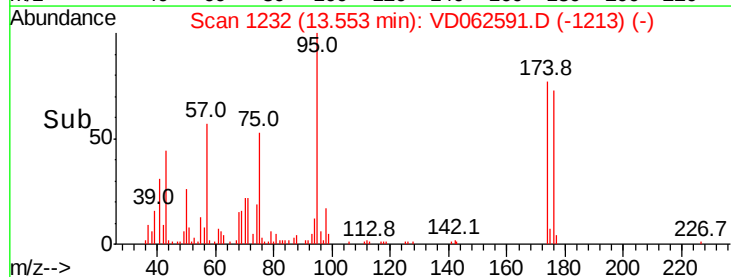
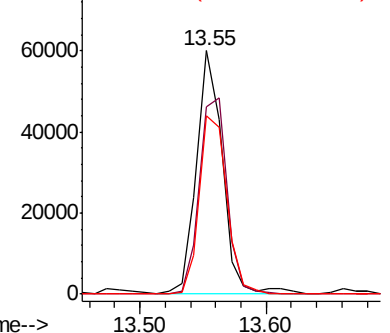
176 73.2 0.0 148.0

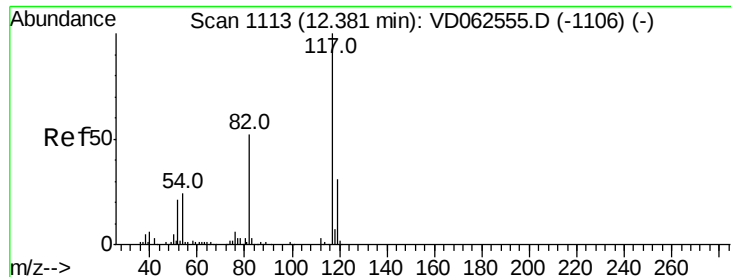


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





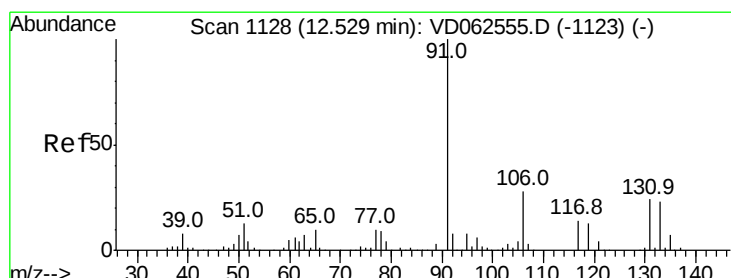
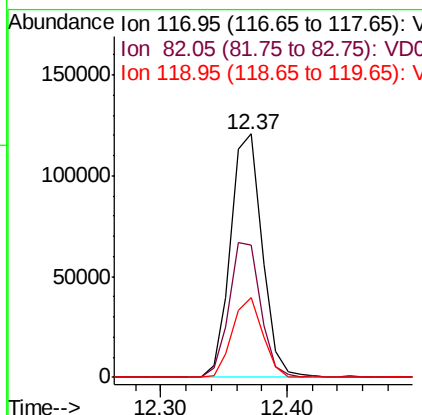
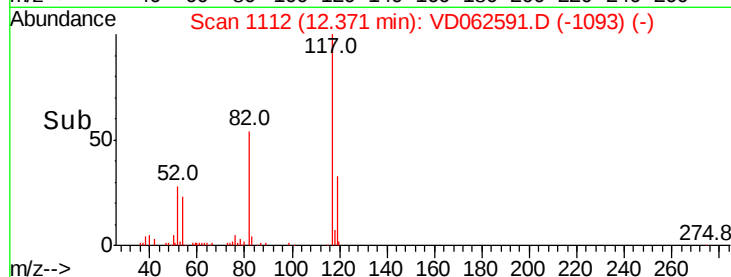
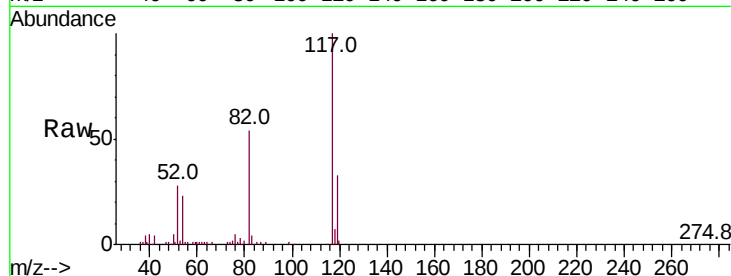
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Instrument :
MSVOA_D
ClientSampleId :
30268RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	41.4	62.2
119	32.8	24.9	37.3

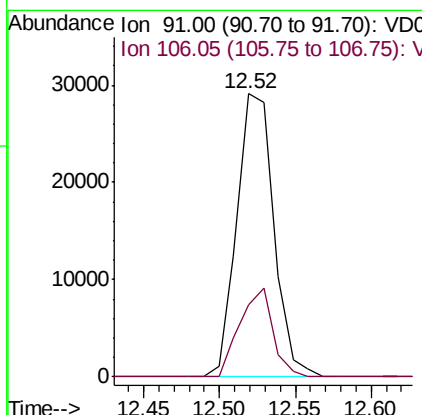
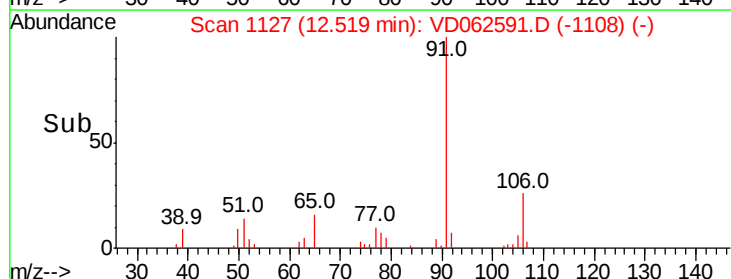
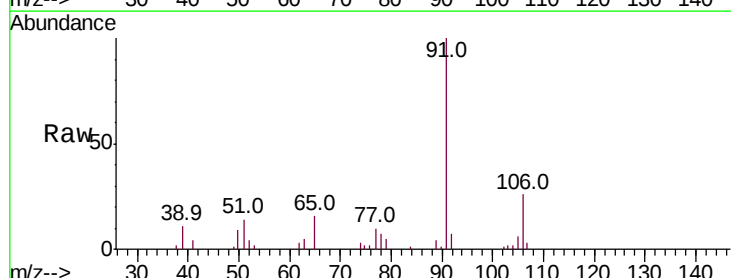
Manual Integrations
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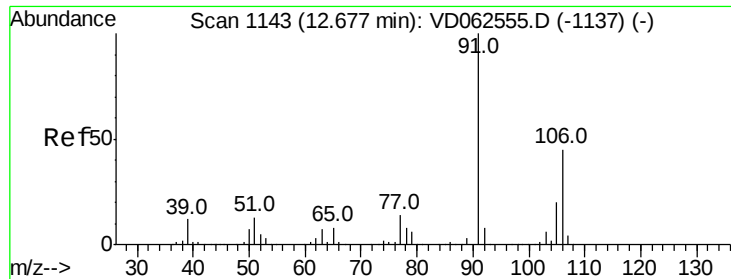
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#67
Ethyl Benzene
Concen: 6.628 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Tgt Ion	Ratio	Lower	Upper
91	100		
106	25.6	22.2	33.2





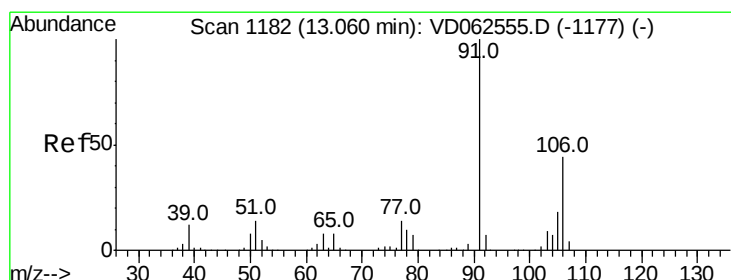
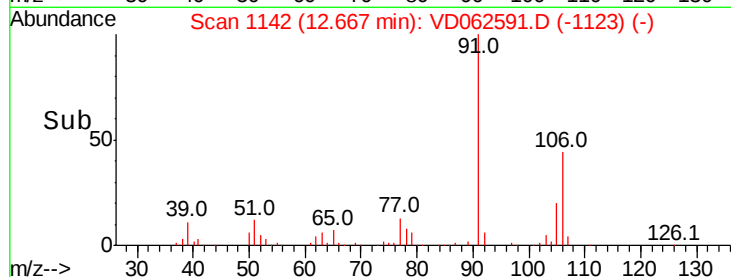
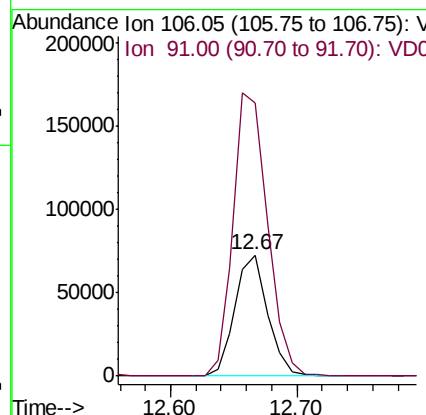
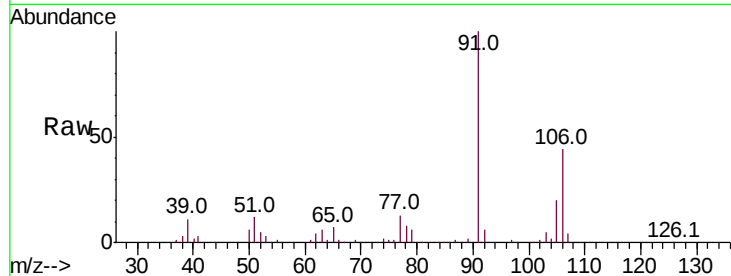
#68
m/p-Xylenes
Concen: 50.628 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Instrument :
MSVOA_D
ClientSampleId :
30268RE

Tot Ion:106 Resp: 130641
Ion Ratio Lower Upper
106 100
91 225.8 178.9 268.3

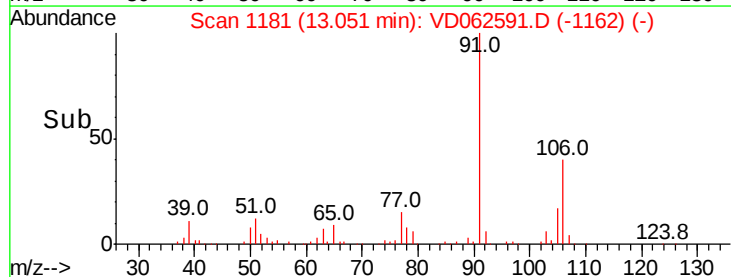
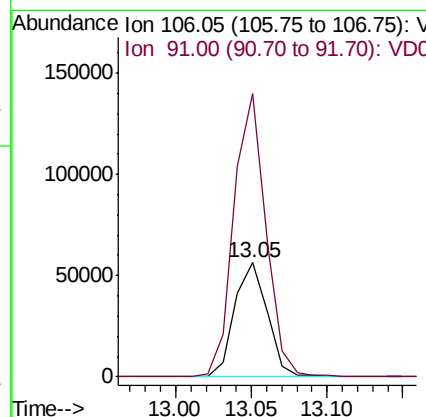
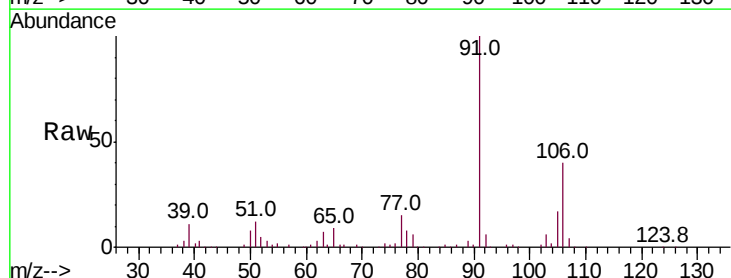
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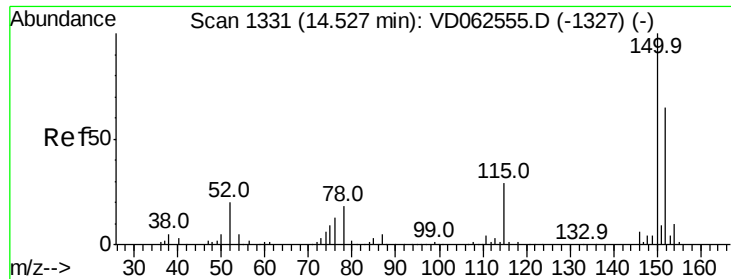
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#69
o-Xylene
Concen: 34.265 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Tgt Ion:106 Resp: 84346
Ion Ratio Lower Upper
106 100
91 247.7 113.9 341.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

Instrument :

MSVOA_D

ClientSampled :

30268RE

Tot Ion:152 Resp: 77899

Ion Ratio Lower Upper

152 100

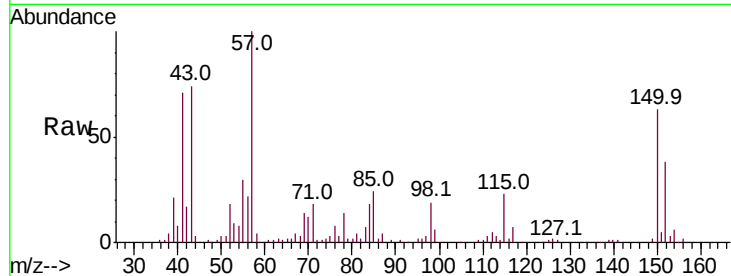
115 59.9 28.4 85.3

150 164.8 0.0 310.4

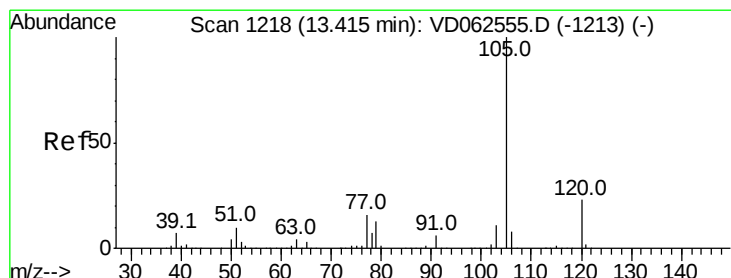
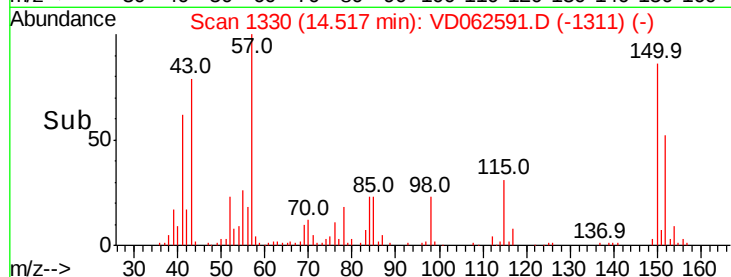
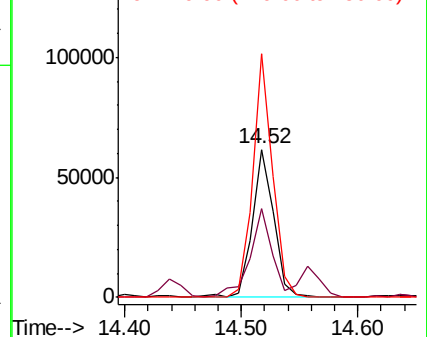
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 3.696 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD062591.D

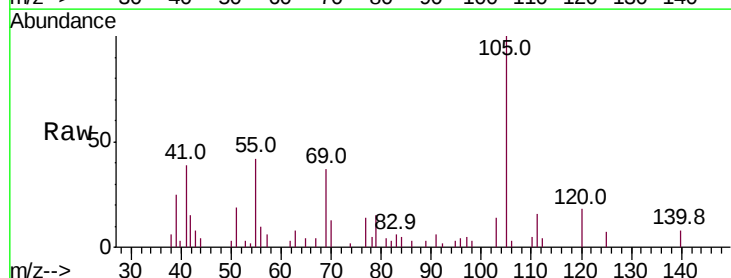
Acq: 3 Jun 2019 17:45

Tgt Ion:105 Resp: 18983

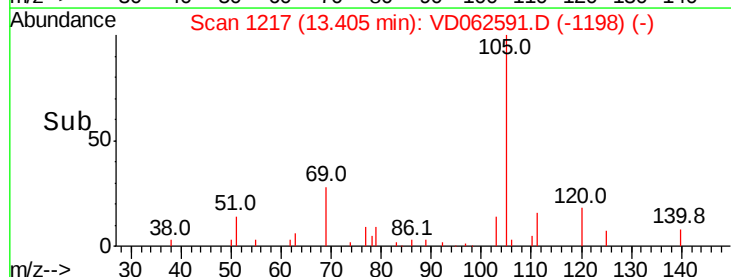
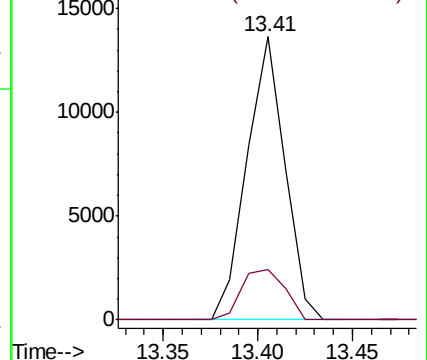
Ion Ratio Lower Upper

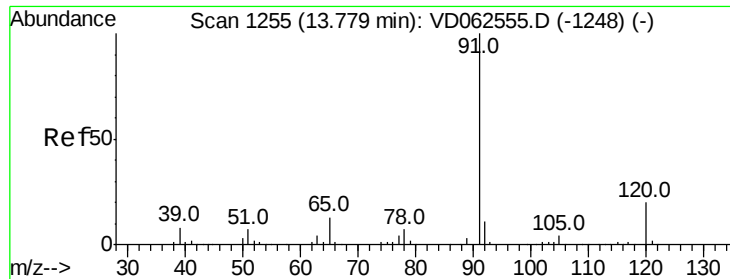
105 100

120 17.7 11.6 34.8



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





#78

n-propylbenzene

Concen: 16.531 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

Instrument :

MSVOA_D

ClientSampleId :

30268RE

Tot Ion: 91 Resp: 97854

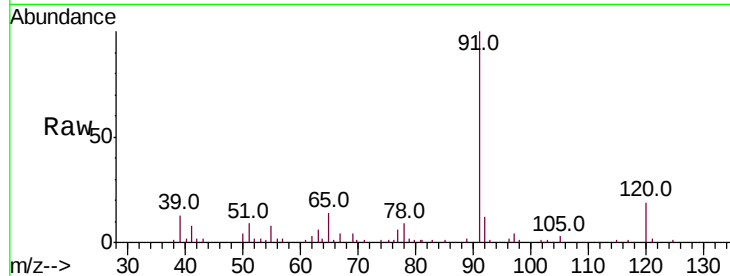
Ion Ratio Lower Upper

91 100

120 19.3 10.0 29.8

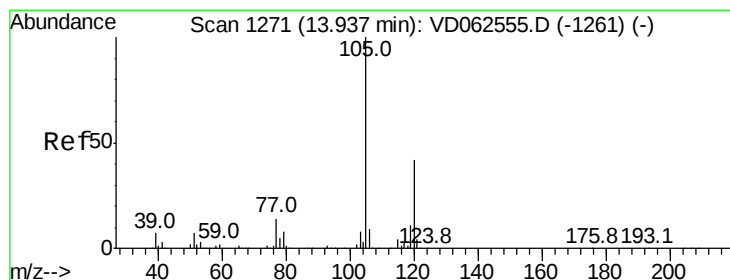
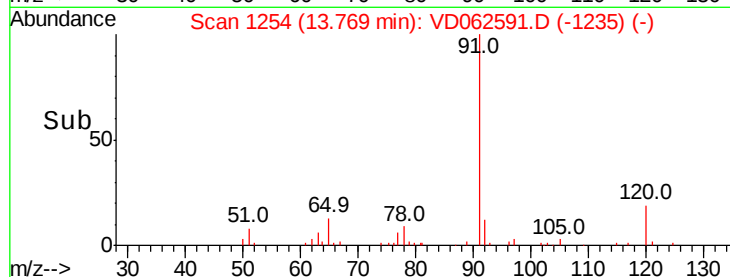
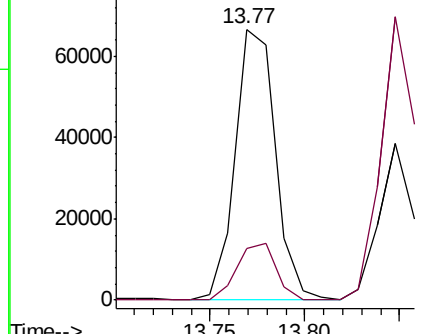
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V



#80

1,3,5-Trimethylbenzene

Concen: 43.518 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062591.D

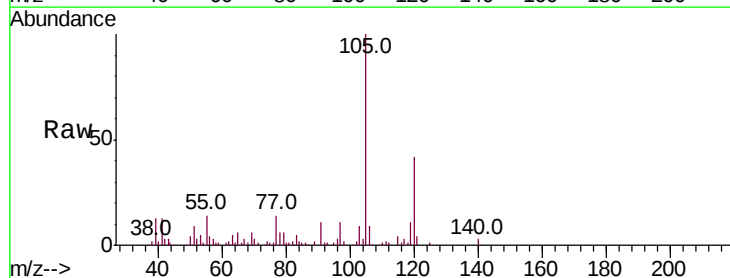
Acq: 3 Jun 2019 17:45

Tgt Ion: 105 Resp: 190973

Ion Ratio Lower Upper

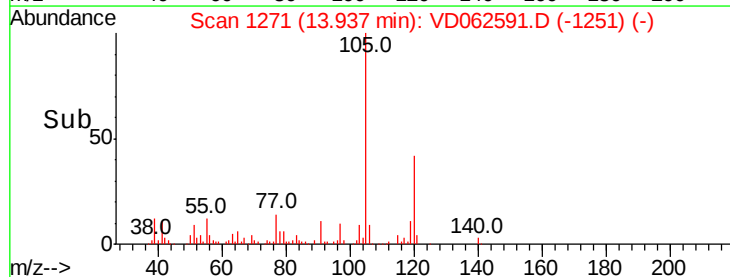
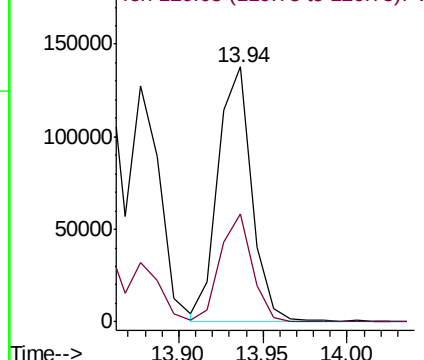
105 100

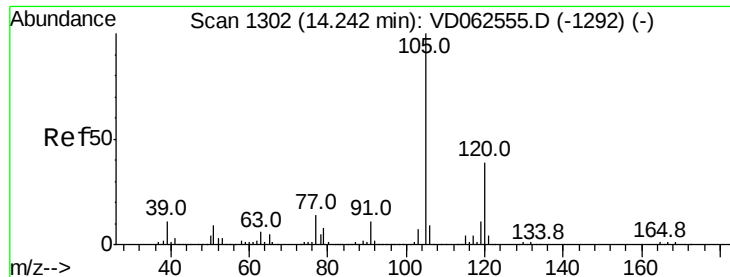
120 42.2 20.8 62.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





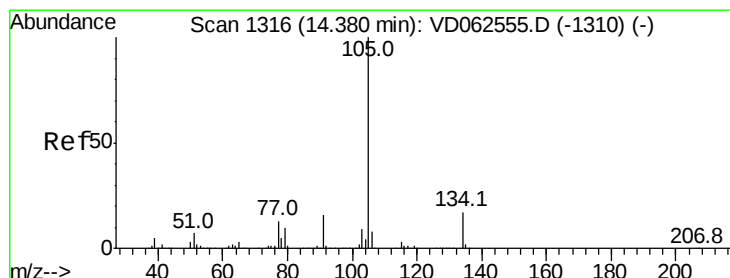
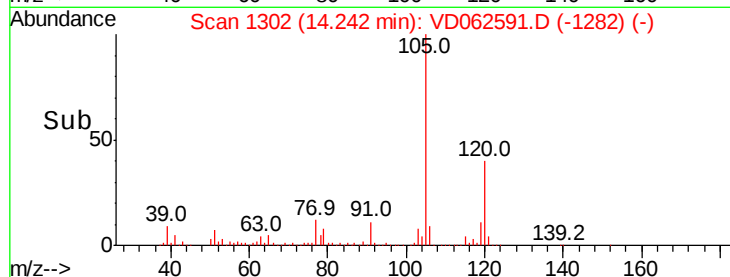
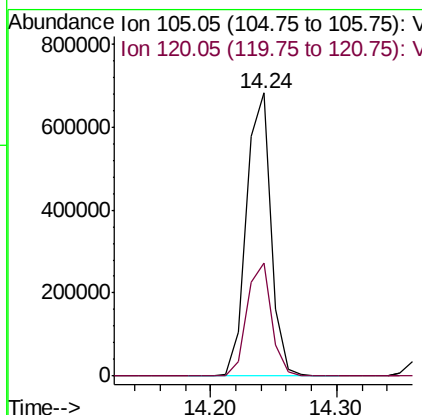
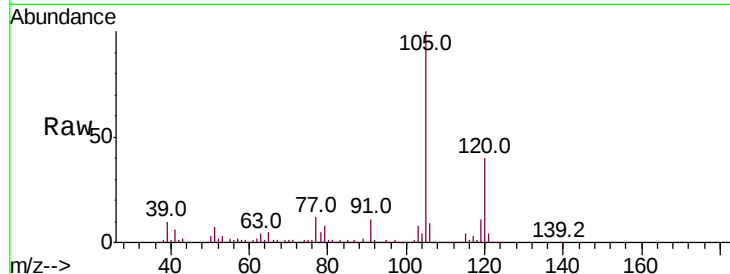
#84
1,2,4-Trimethylbenzene
Concen: 205.180 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Instrument :
MSVOA_D
ClientSampleId :
30268RE

Tot Ion:105 Resp: 917496
Ion Ratio Lower Upper
105 100
120 40.1 19.6 58.8

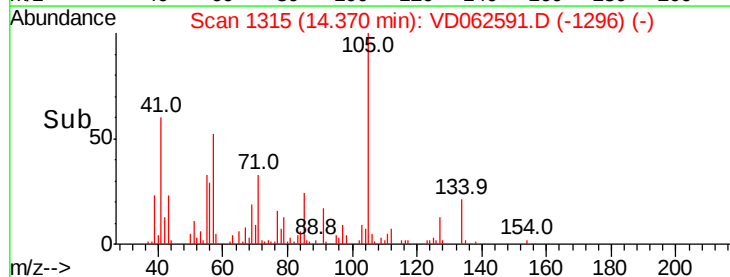
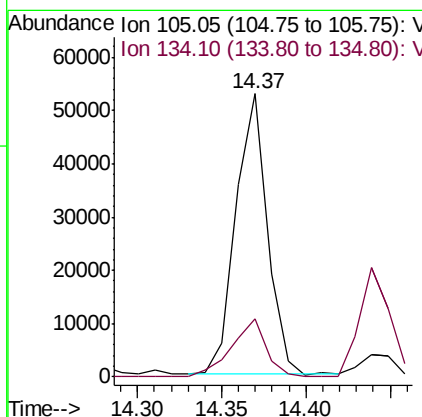
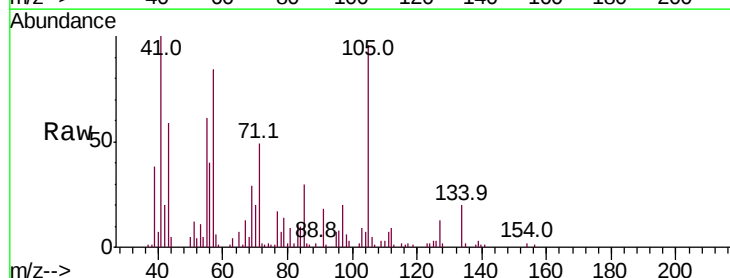
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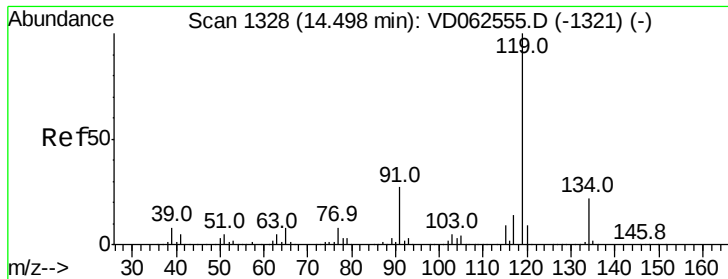
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#85
sec-Butylbenzene
Concen: 13.128 ug/l
RT: 14.37 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Tgt Ion:105 Resp: 68099
Ion Ratio Lower Upper
105 100
134 20.5 8.7 26.1





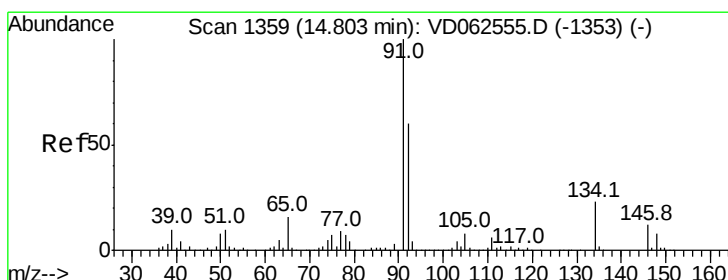
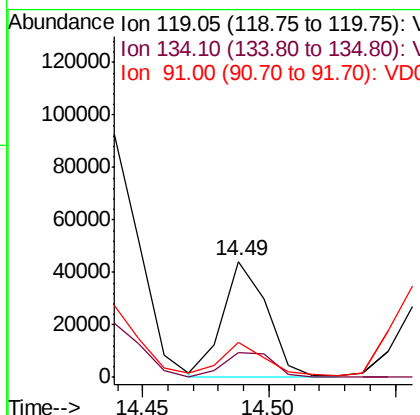
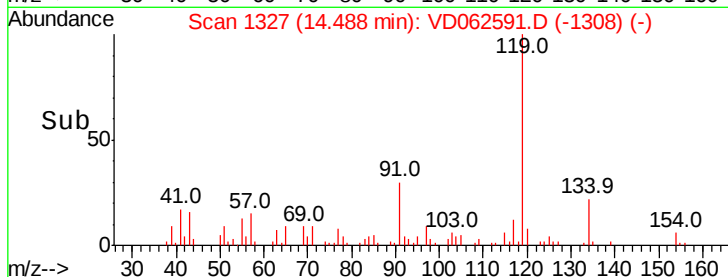
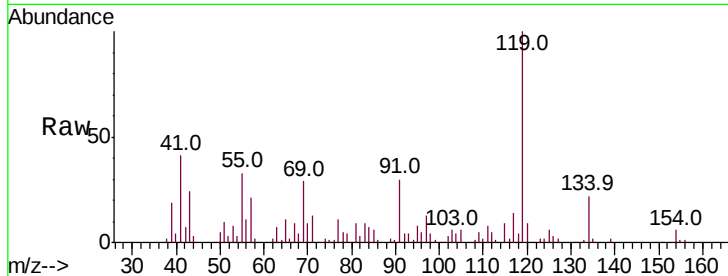
#86
p-Isopropyltoluene
Concen: 11.056 ug/l
RT: 14.49 min Scan# 1327
Delta R.T. -0.01 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Instrument :
MSVOA_D
ClientSampled :
30268RE

Tot Ion	Ratio	Resp	Lower	Upper
119	100	53582		
134	21.8		11.2	33.6
91	30.3		13.6	40.7

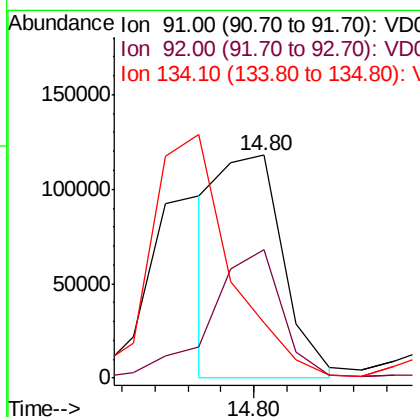
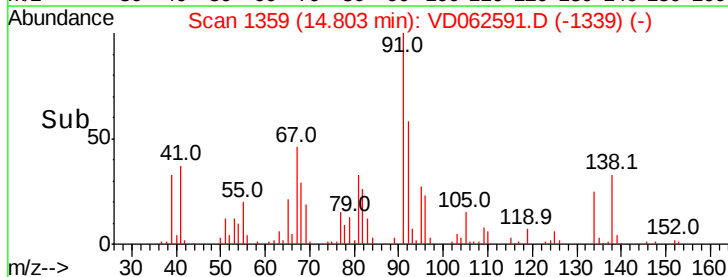
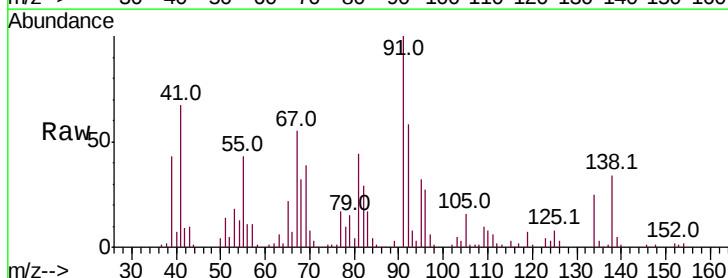
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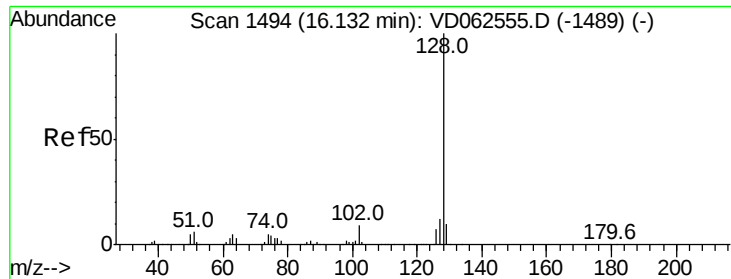
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#89
n-Butylbenzene
Concen: 36.370 ug/l m
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	157343		
92	57.5		29.8	89.4
134	24.9		11.3	33.8





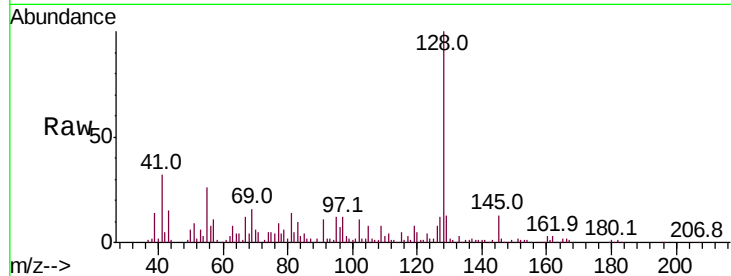
#95
Naphthalene
Concen: 141.938 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Instrument :
MSVOA_D
ClientSampleId :
30268RE

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	11.9	9.7	14.5
129	12.8	8.2	12.2#

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

