

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111418\
 Data File : VD060381.D
 Acq On : 14 Nov 2018 16:13
 Operator : JC/SY
 Sample : J5930-01
 Misc : 6.61g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 32727-45914-21716

Manual Integrations
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Quant Time: Nov 15 05:51:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	707662	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	7.42	114	1105016	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.27	117	558218	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	78878	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	334644	66.04	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	132.08%	
35) Dibromofluoromethane	6.30	113	410723	49.85	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	99.70%	
50) Toluene-d8	9.42	98	796879	33.04	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	66.08%	
62) 4-Bromofluorobenzene	12.41	95	128380m	14.69	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	29.38%	
Target Compounds						
8) Diethyl Ether	2.80	74	2817	2.41	ug/l	Qvalue 48
16) Acetone	3.14	43	87469	99.52	ug/l	100
17) Carbon Disulfide	3.29	76	34391	3.09	ug/l	# 93
20) Methylene Chloride	3.70	84	103561	13.28	ug/l	99
25) 2-Butanone	5.59	43	28691	15.70	ug/l	99
30) Chloroform	6.08	83	44056	3.48	ug/l	94
31) Cyclohexane	6.33	56	14865	1.23	ug/l	90
39) Methylcyclohexane	8.01	83	76911	6.13	ug/l	90
40) Benzene	6.76	78	293365	10.53	ug/l	98
52) Toluene	9.52	92	257047	14.44	ug/l	99
65) Chlorobenzene	11.29	112	266800	22.06	ug/l	99
67) Ethyl Benzene	11.40	91	207605	10.03	ug/l	97
68) m/p-Xylenes	11.54	106	121175	15.88	ug/l	93
69) o-Xylene	11.91	106	40556	5.50	ug/l	99
73) Isopropylbenzene	12.26	105	45240	7.87	ug/l	86
78) n-propylbenzene	12.62	91	24295	3.39	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	63149	14.14	ug/l	94
84) 1,2,4-Trimethylbenzene	13.08	105	103817	23.28	ug/l	100
85) sec-Butylbenzene	13.21	105	40327	6.63	ug/l	91
86) p-Isopropyltoluene	13.33	119	31922	6.52	ug/l	87
95) Naphthalene	14.96	128	106047	49.10	ug/l	99

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

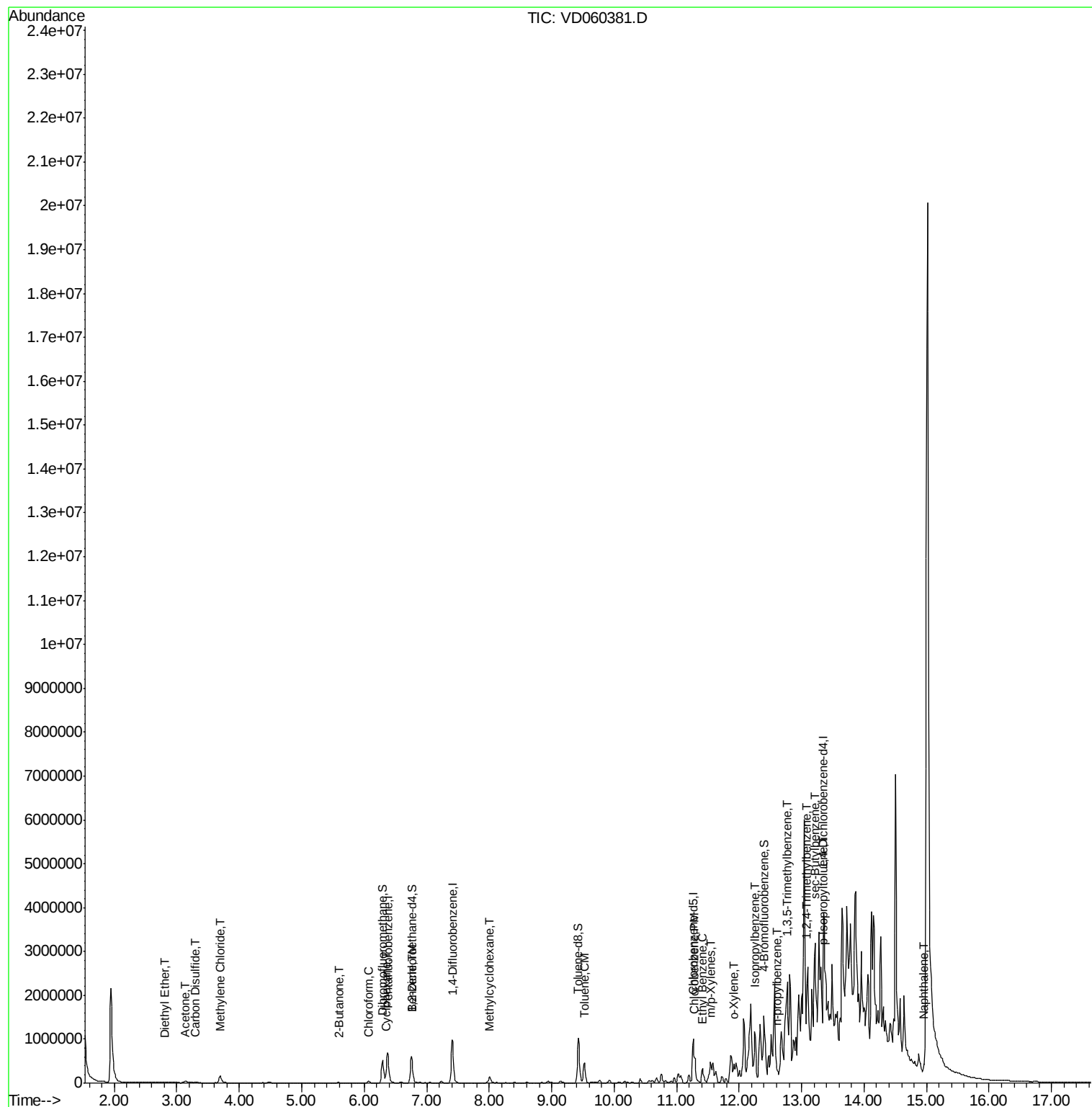
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD111418\
Data File : VD060381.D
Acq On : 14 Nov 2018 16:13
Operator : JC/SY
Sample : J5930-01
Misc : 6.61g/5ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

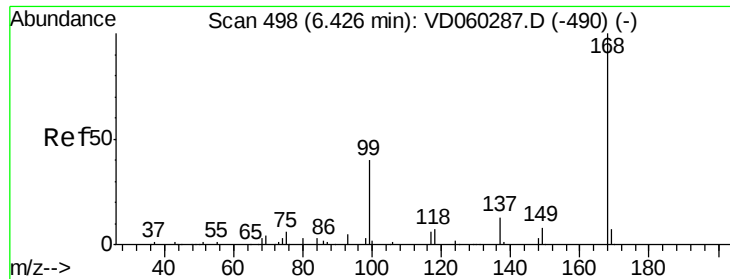
Instrument :
MSVOA_D
ClientSampleId :
32727-45914-21716

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Quant Time: Nov 15 05:51:13 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

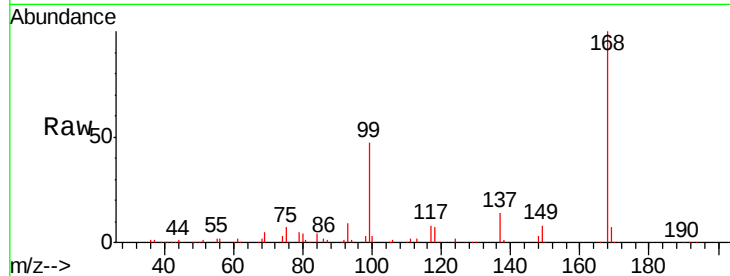
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 6.37 min Scan# 493
Delta R.T. -0.05 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Instrument :
MSVOA_D
ClientSampleId :
32727-45914-21716

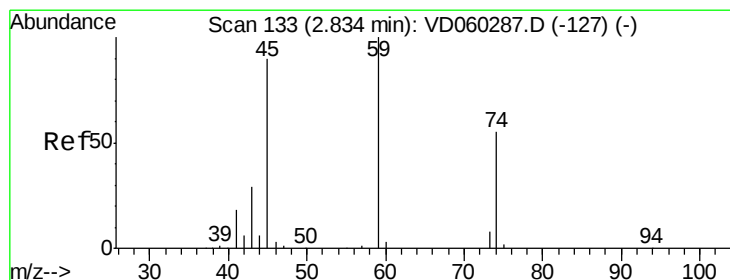
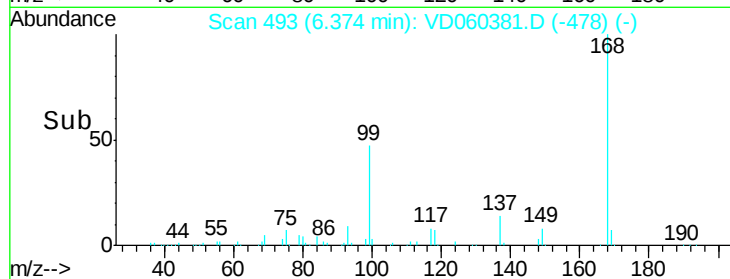
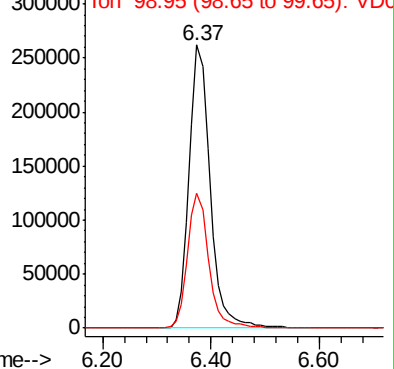
Tgt Ion: 168 Resp: 707662
Ion Ratio Lower Upper
168 100
99 47.5 39.8 59.8

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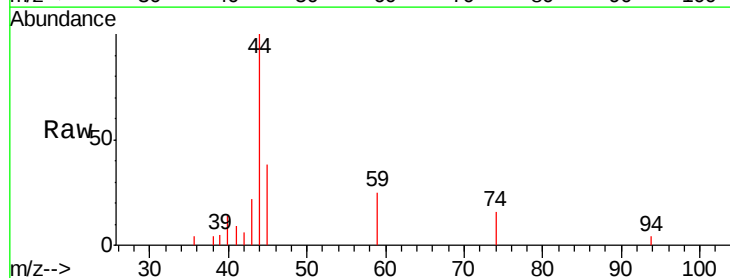
Abundance Ion 167.90 (167.60 to 168.60): V



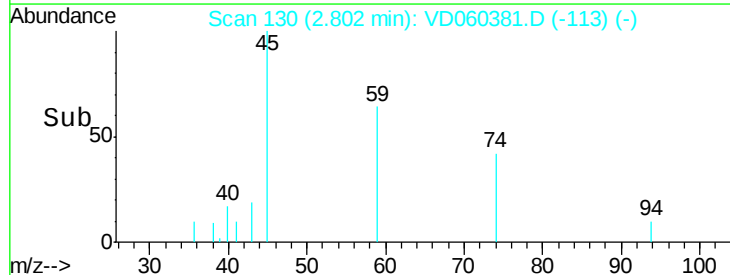
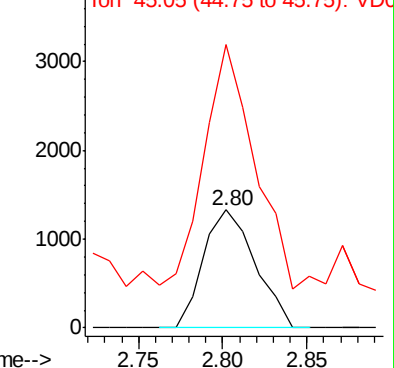
#8

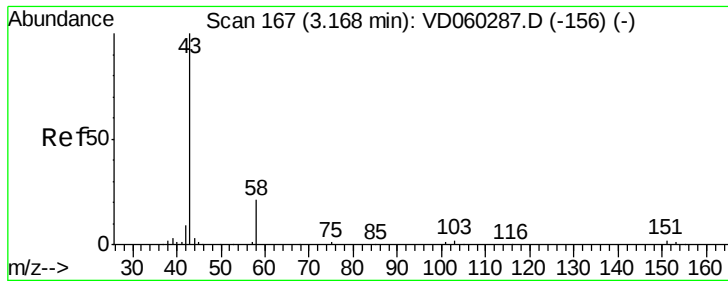
Diethyl Ether
Concen: 2.41 ug/l
RT: 2.80 min Scan# 130
Delta R.T. -0.03 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Tgt Ion: 74 Resp: 2817
Ion Ratio Lower Upper
74 100
45 240.1 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC





#16

Acetone

Concen: 99.52 ug/l

RT: 3.14 min Scan# 164

Delta R.T. -0.03 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_D

ClientSampleId :

32727-45914-21716

Tgt Ion: 43 Resp: 87469

Ion Ratio Lower Upper

43 100

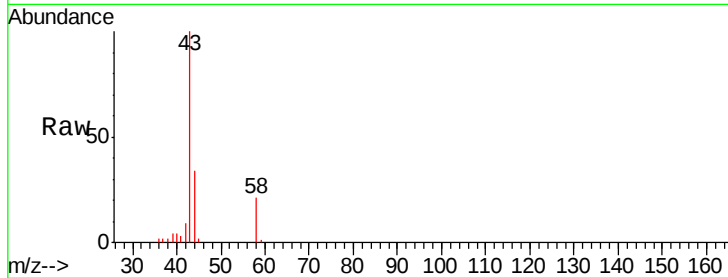
58 21.0 16.9 25.3

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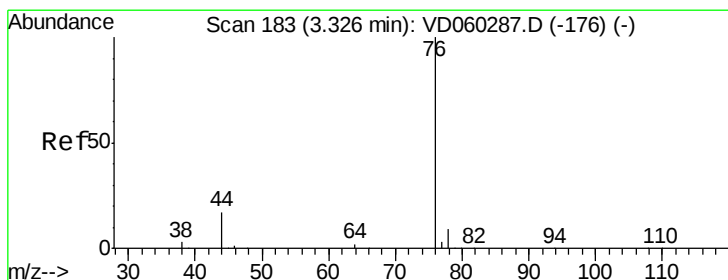
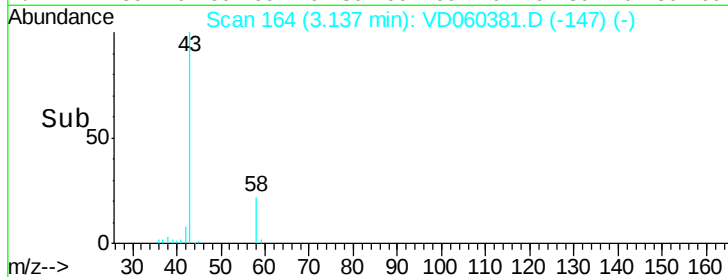
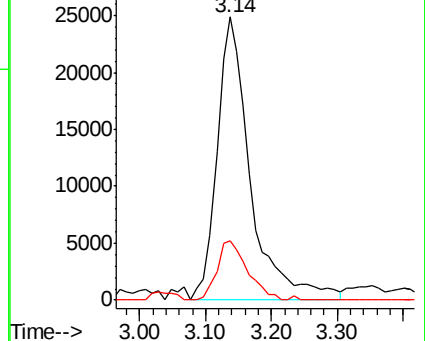
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 3.09 ug/l

RT: 3.29 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD060381.D

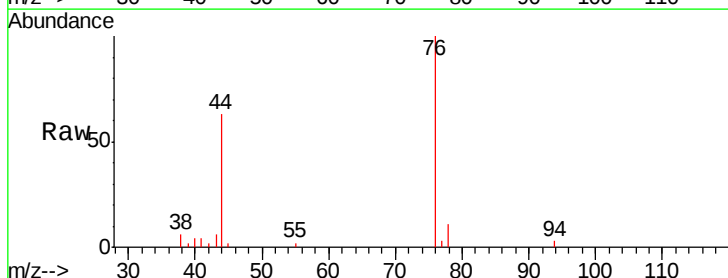
Acq: 14 Nov 2018 16:13

Tgt Ion: 76 Resp: 34391

Ion Ratio Lower Upper

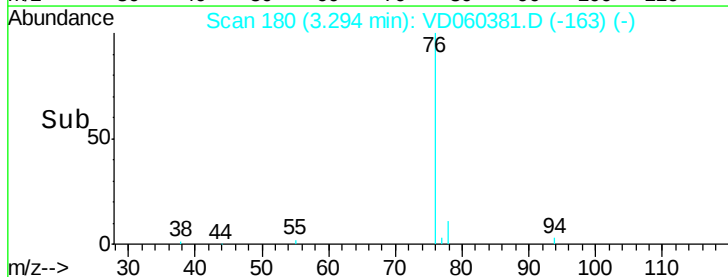
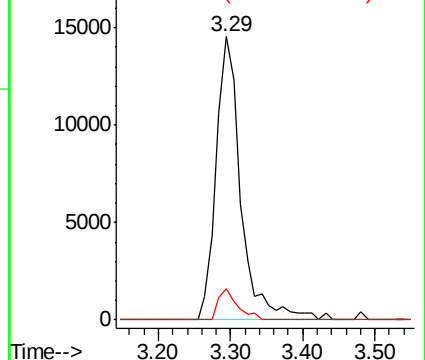
76 100

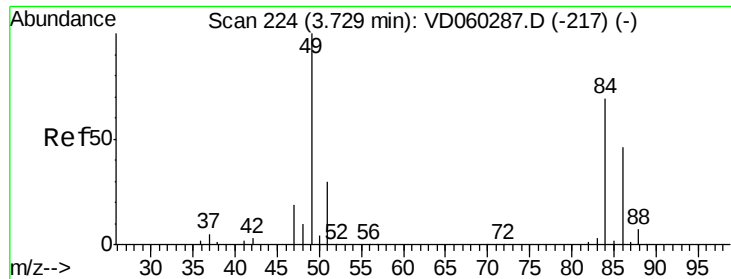
78 11.0 7.0 10.4#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC





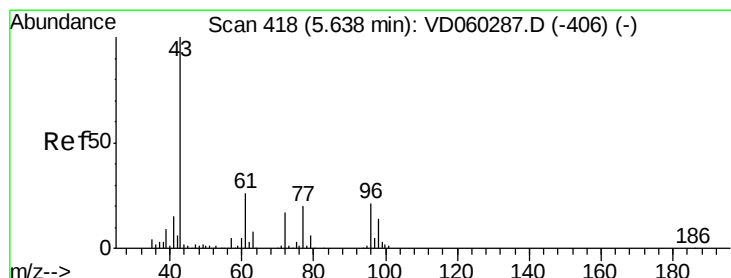
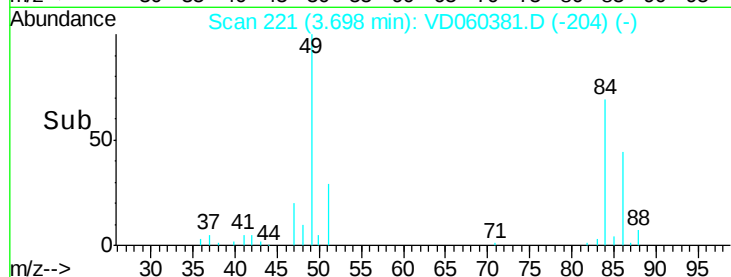
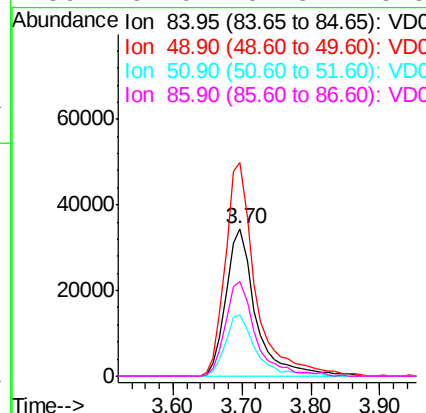
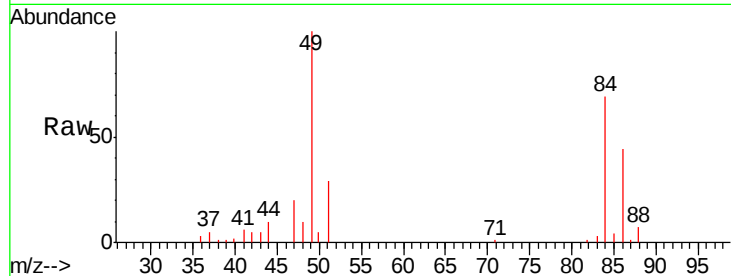
#20
Methylene Chloride
Concen: 13.28 ug/l
RT: 3.70 min Scan# 221
Delta R.T. -0.03 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Instrument :
MSVOA_D
ClientSampleId :
32727-45914-21716

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.8	115.6	173.4
51	41.6	35.6	53.4
86	64.0	52.3	78.5

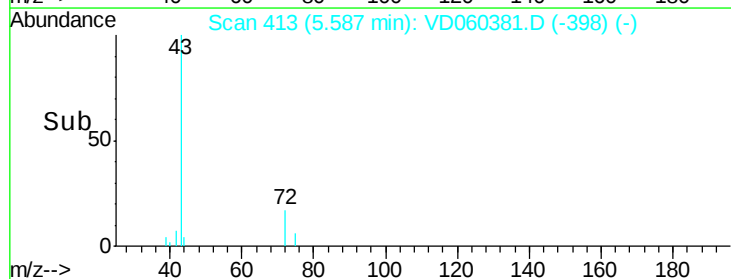
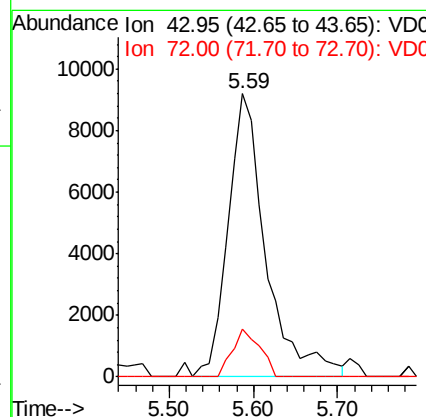
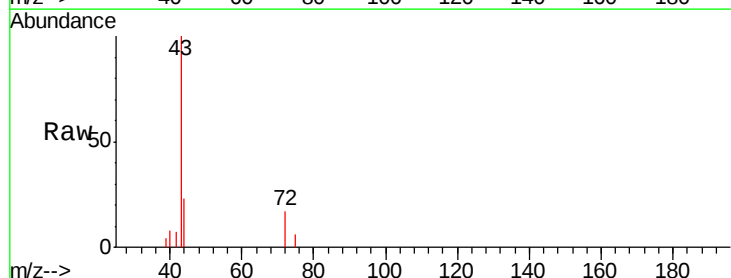
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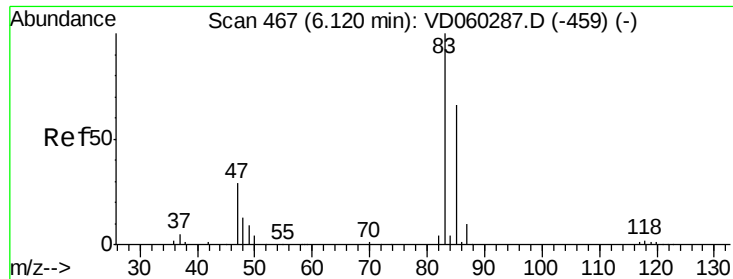
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#25
2-Butanone
Concen: 15.70 ug/l
RT: 5.59 min Scan# 413
Delta R.T. -0.05 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	16.9	13.8	20.8





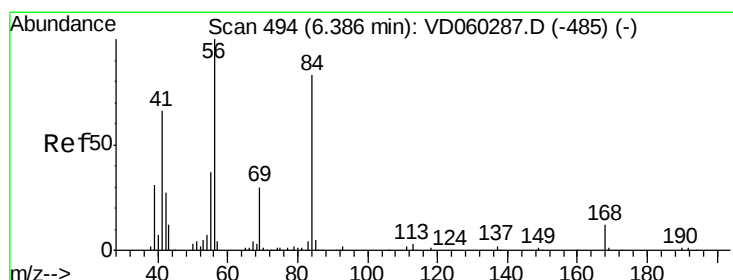
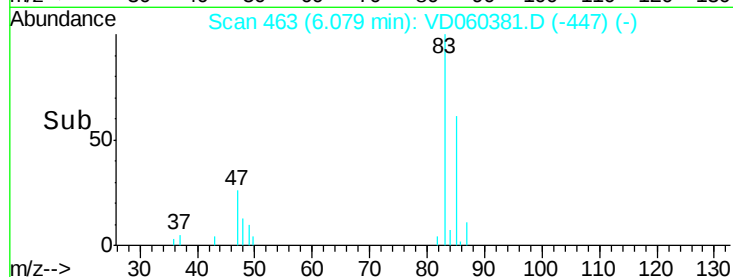
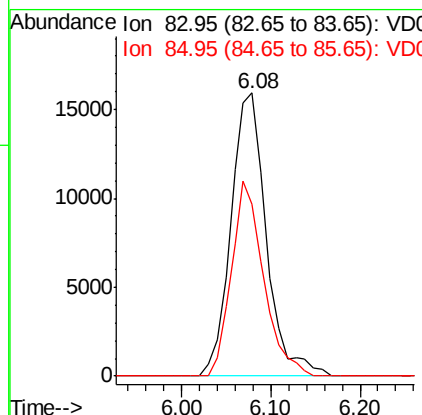
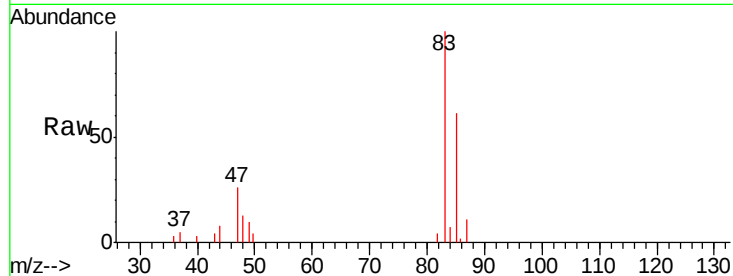
#30
Chloroform
Concen: 3.48 ug/l
RT: 6.08 min Scan# 463
Delta R.T. -0.04 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Instrument :
MSVOA_D
ClientSampleId :
32727-45914-21716

Tgt Ion: 83 Resp: 44056
Ion Ratio Lower Upper
83 100
85 60.6 52.5 78.7

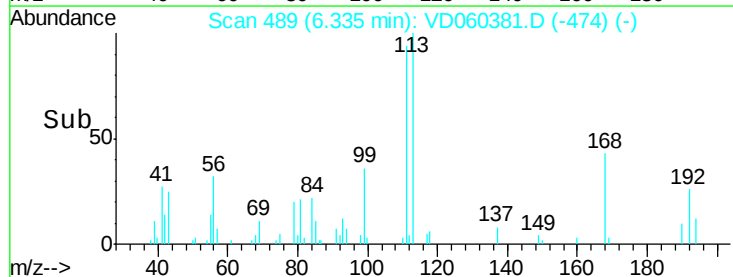
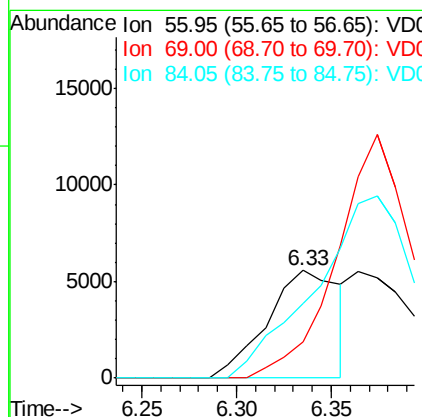
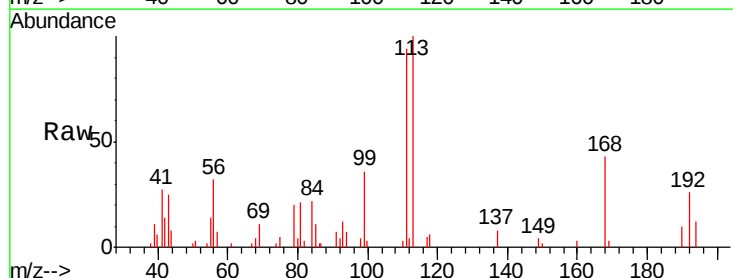
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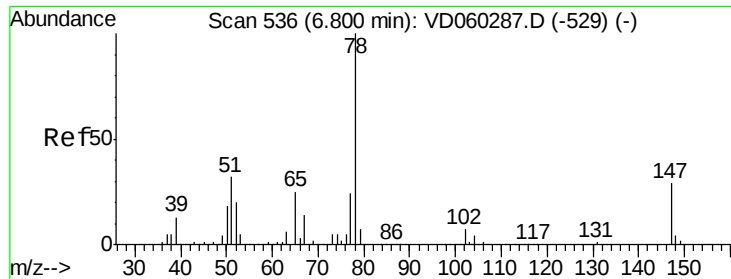
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#31
Cyclohexane
Concen: 1.23 ug/l
RT: 6.33 min Scan# 489
Delta R.T. -0.05 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Tgt Ion: 56 Resp: 14865
Ion Ratio Lower Upper
56 100
69 33.2 22.2 33.2
84 69.8 63.0 94.4





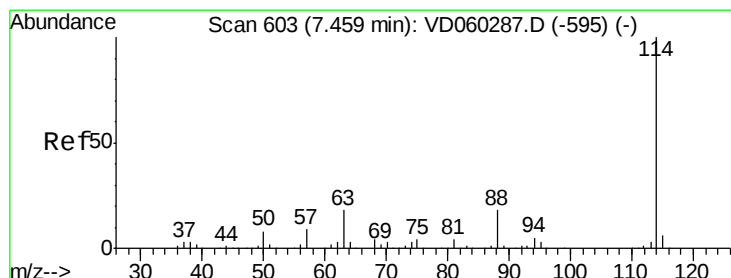
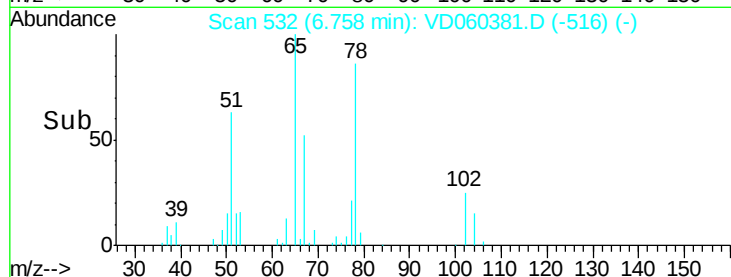
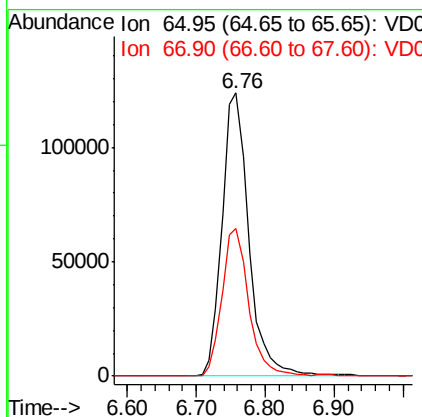
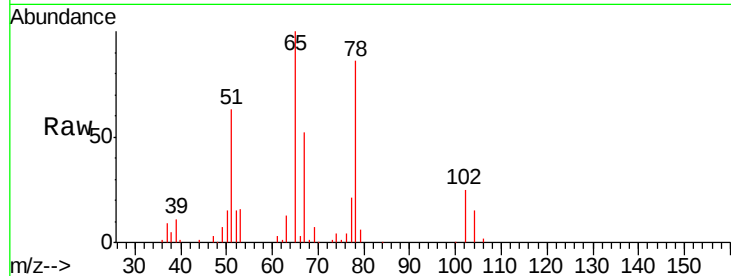
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.04 min
 Lab File: VD060381.D
 Acq: 14 Nov 2018 16:13

Instrument :
 MSVOA_D
 ClientSampleId :
 32727-45914-21716

Tgt Ion: 65 Resp: 334644
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 109.8

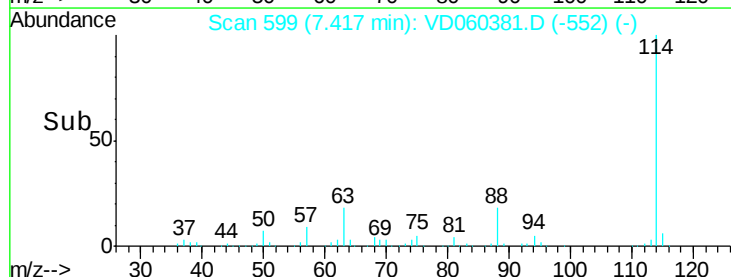
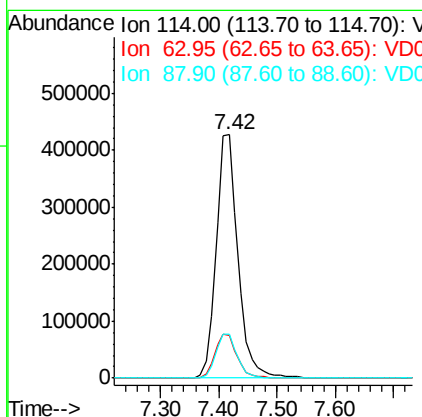
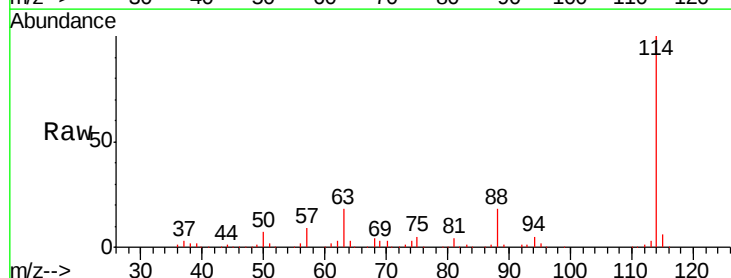
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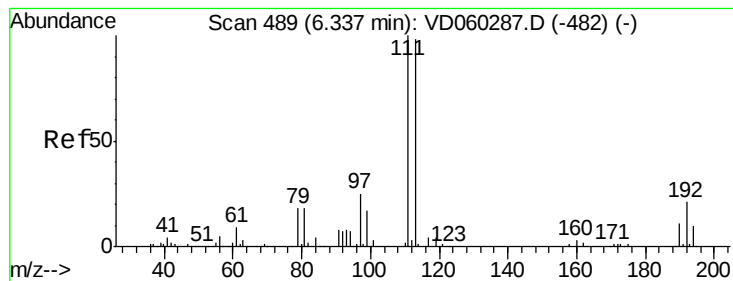
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.04 min
 Lab File: VD060381.D
 Acq: 14 Nov 2018 16:13

Tgt Ion: 114 Resp: 1105016
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.0
 88 17.9 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.30 min Scan# 485

Delta R.T. -0.04 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_D

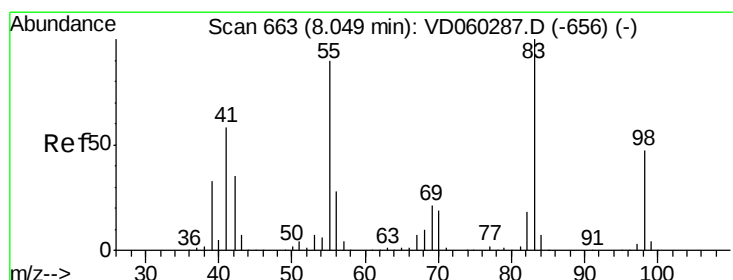
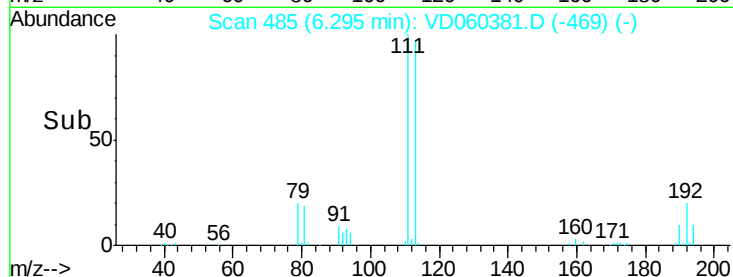
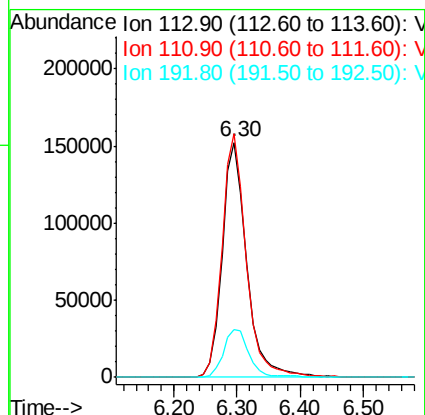
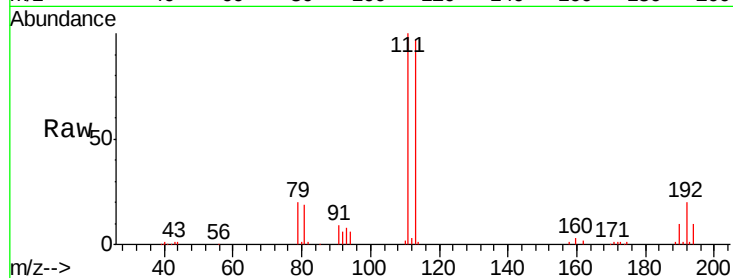
ClientSampleId :

32727-45914-21716

Tgt Ion:	113	Resp:	410723
Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.6	122.4
192	20.6	16.5	24.7

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#39

Methylcyclohexane

Concen: 6.13 ug/l

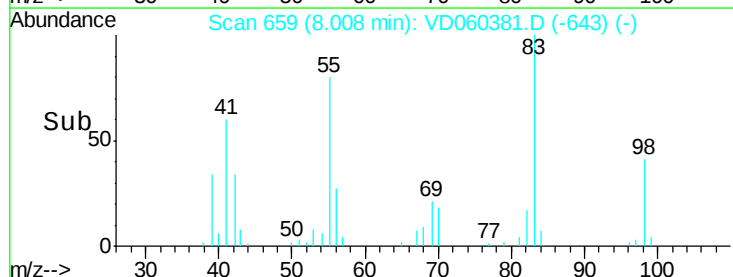
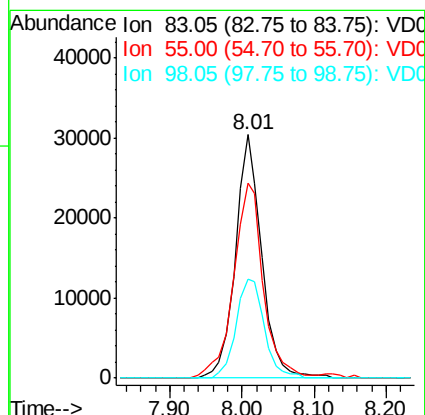
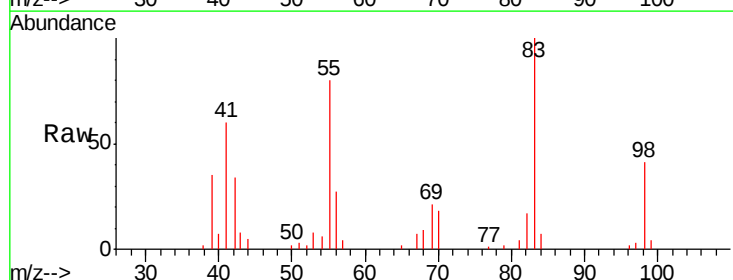
RT: 8.01 min Scan# 659

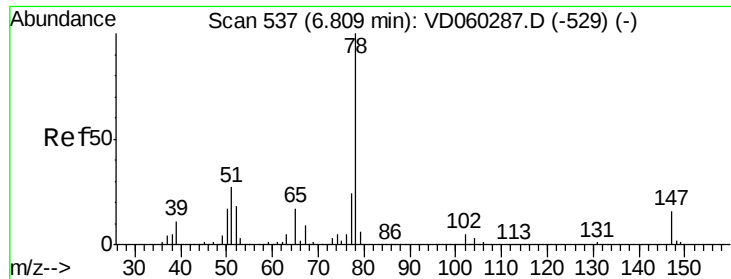
Delta R.T. -0.04 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

Tgt Ion:	83	Resp:	76911
Ion	Ratio	Lower	Upper
83	100		
55	79.9	71.2	106.8
98	40.6	38.4	57.6





#40

Benzene

Concen: 10.53 ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.05 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_D

ClientSampleId :

32727-45914-21716

Tgt Ion: 78 Resp: 293365

Ion Ratio Lower Upper

78 100

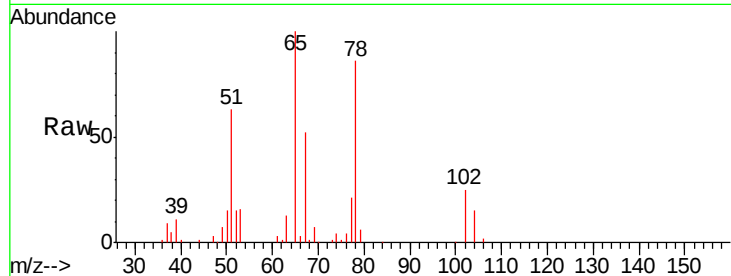
77 24.7 18.8 28.2

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Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

6.76

120000

100000

80000

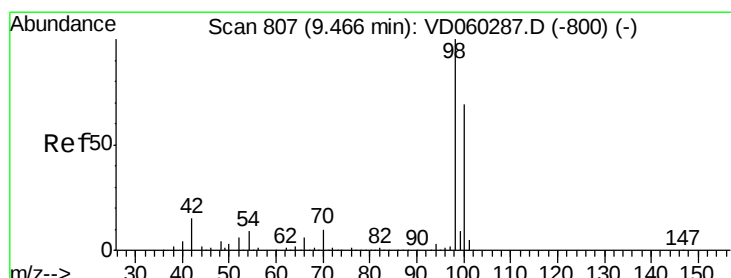
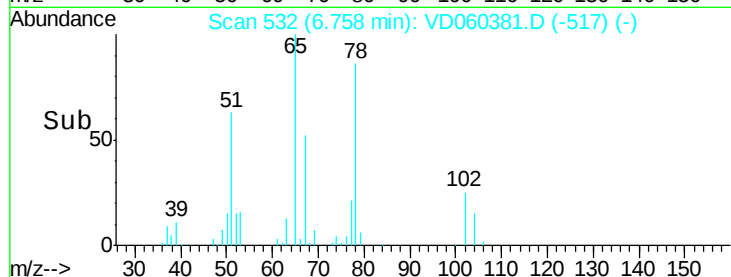
60000

40000

20000

0

Time-->



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.42 min Scan# 803

Delta R.T. -0.04 min

Lab File: VD060381.D

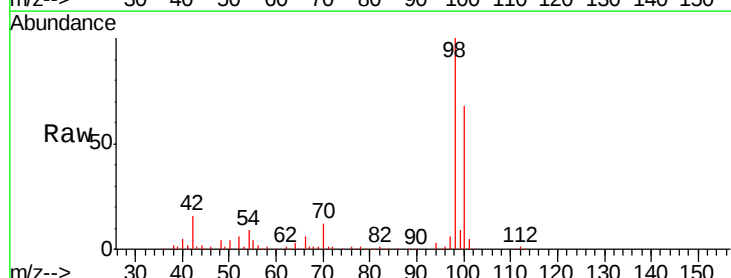
Acq: 14 Nov 2018 16:13

Tgt Ion: 98 Resp: 796879

Ion Ratio Lower Upper

98 100

100 68.2 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

9.42

400000

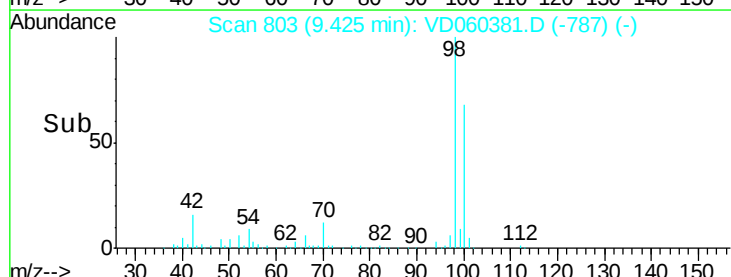
300000

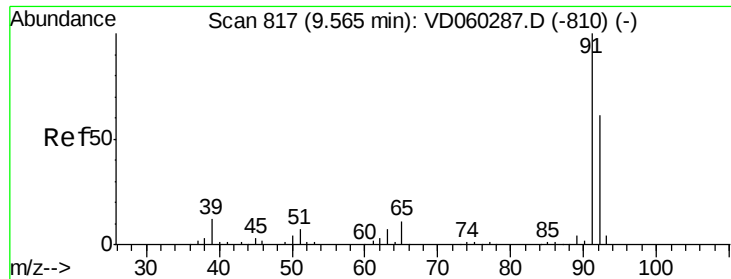
200000

100000

0

Time-->





#52

Toluene

Concen: 14.44 ug/l

RT: 9.52 min Scan# 813

Delta R.T. -0.04 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_D

ClientSampleId :

32727-45914-21716

Tgt Ion: 92 Resp: 257047

Ion Ratio Lower Upper

92 100

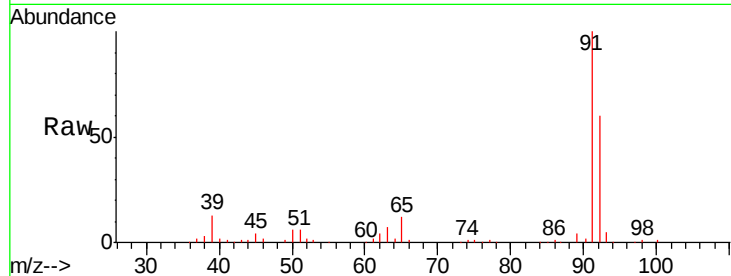
91 165.9 131.9 197.9

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Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

150000

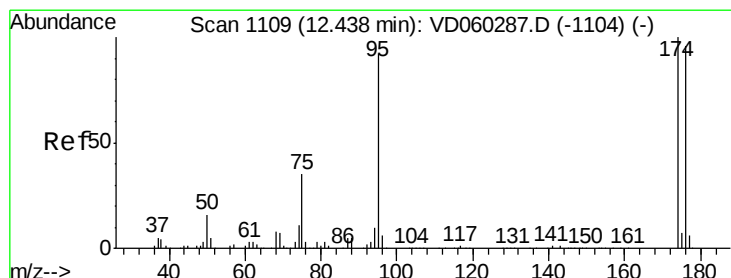
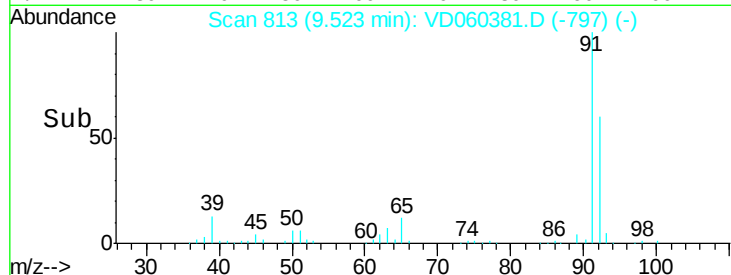
100000

50000

0

9.40 9.50 9.60 9.70

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l m

RT: 12.41 min Scan# 1106

Delta R.T. -0.03 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

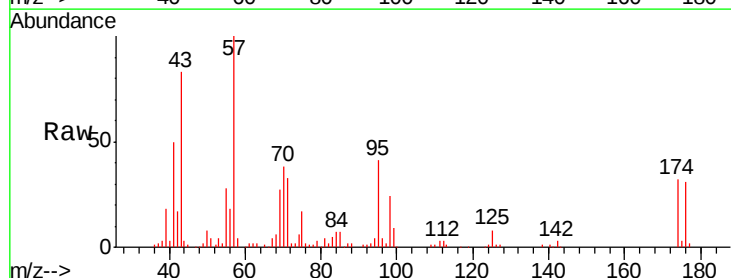
Tgt Ion: 95 Resp: 128380

Ion Ratio Lower Upper

95 100

174 78.6 0.0 160.8

176 75.9 0.0 154.6



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

80000

60000

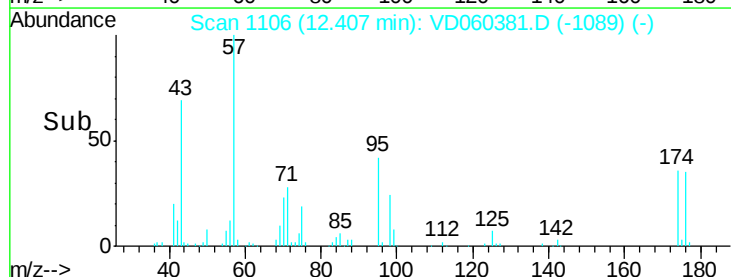
40000

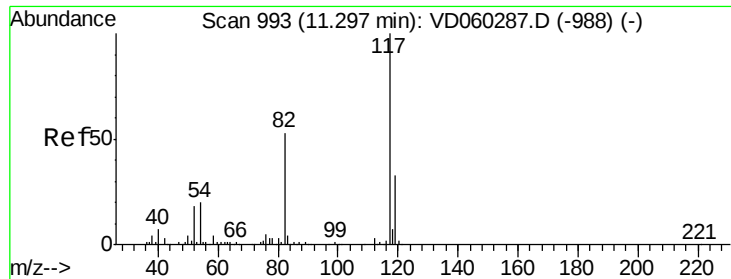
20000

0

12.35 12.40 12.45

Time-->





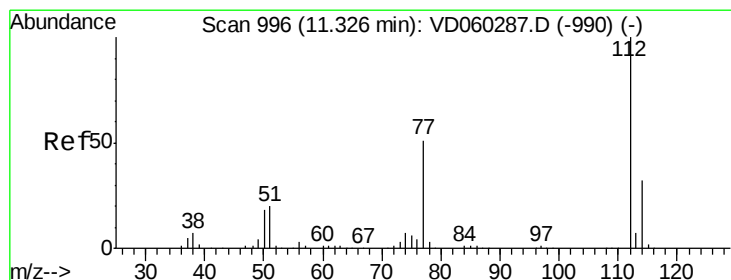
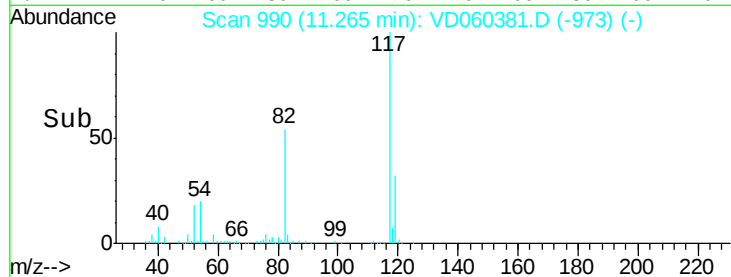
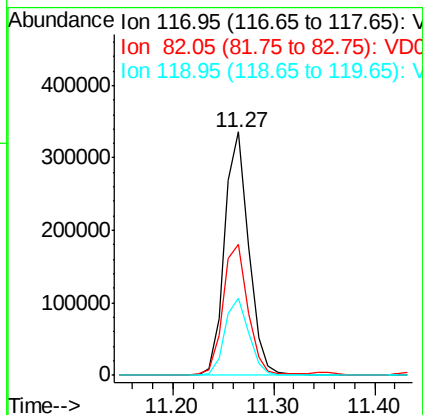
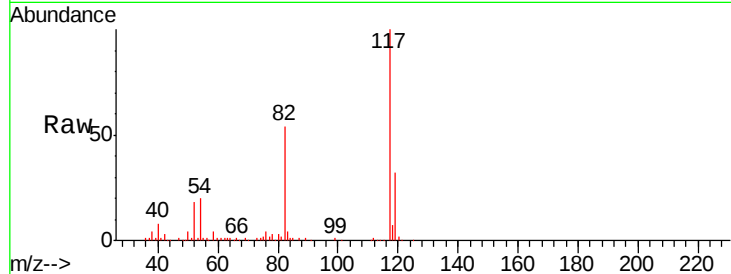
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.03 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Instrument :
MSVOA_D
ClientSampleId :
32727-45914-21716

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	558218		
82	54.0	43.7	65.5	
119	32.0	26.1	39.1	

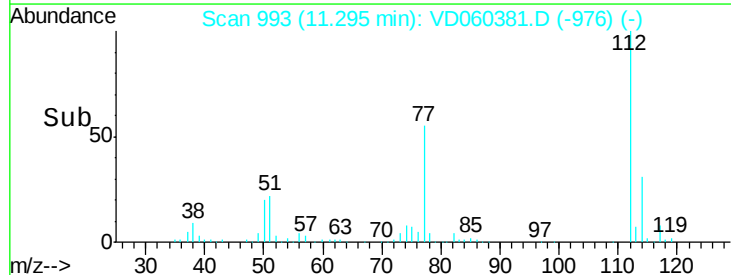
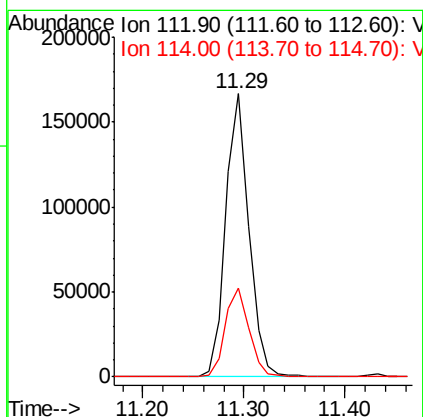
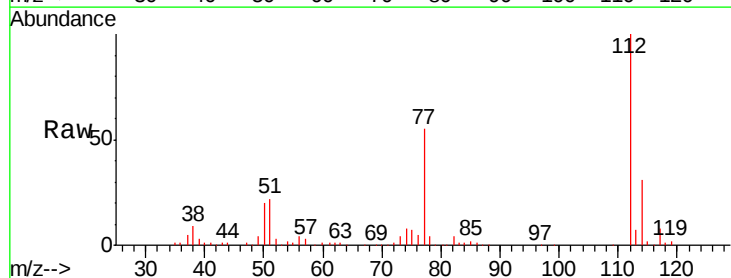
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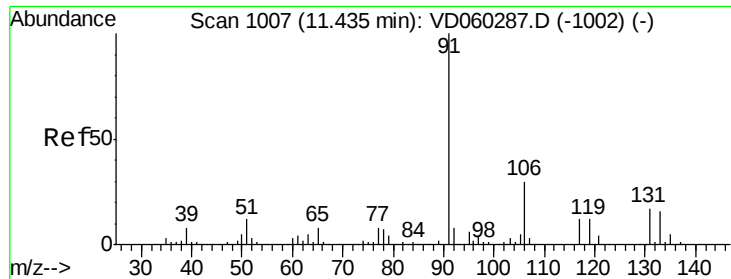
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#65
Chlorobenzene
Concen: 22.06 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.03 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	266800		
114	31.5	25.8	38.8	





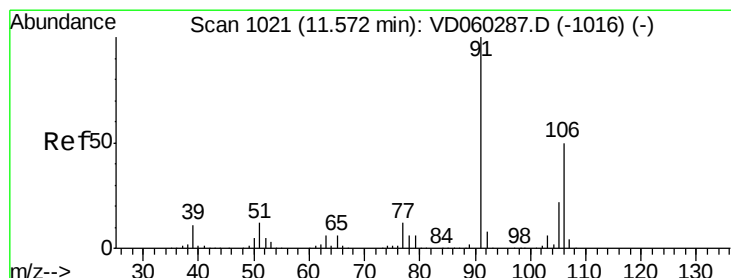
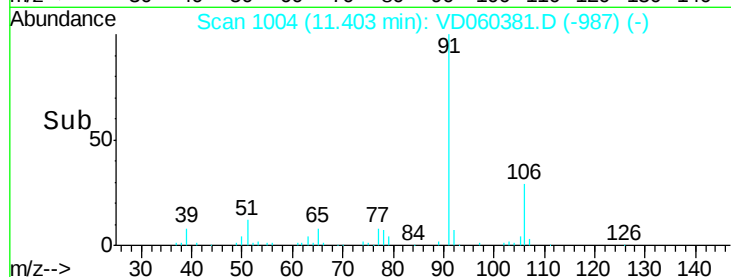
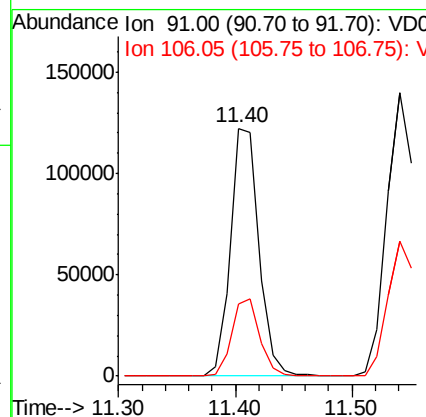
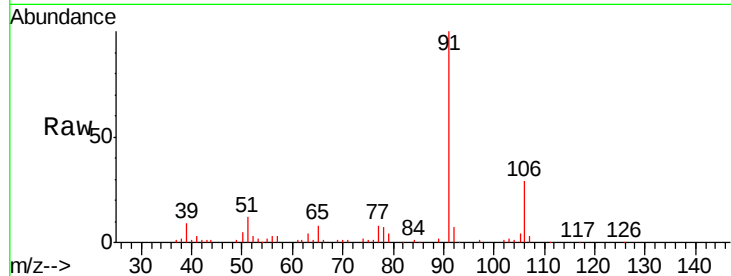
#67
Ethyl Benzene
Concen: 10.03 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. -0.03 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Instrument :
MSVOA_D
ClientSampleId :
32727-45914-21716

Tgt Ion: 91 Resp: 207605
Ion Ratio Lower Upper
91 100
106 29.3 24.6 36.8

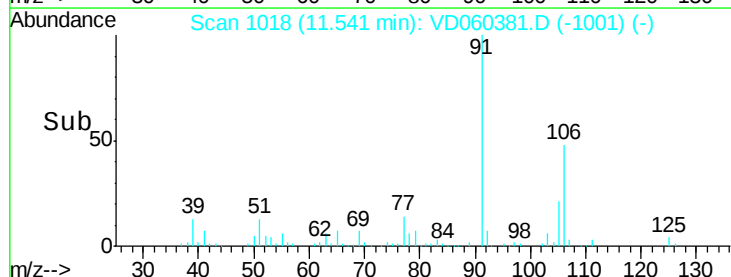
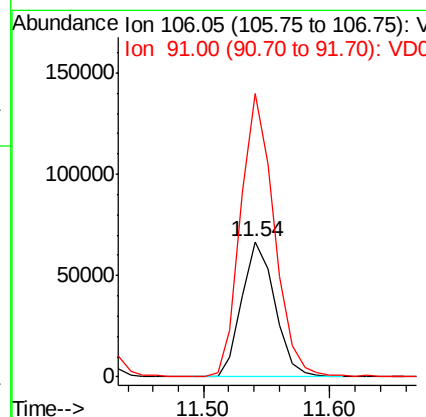
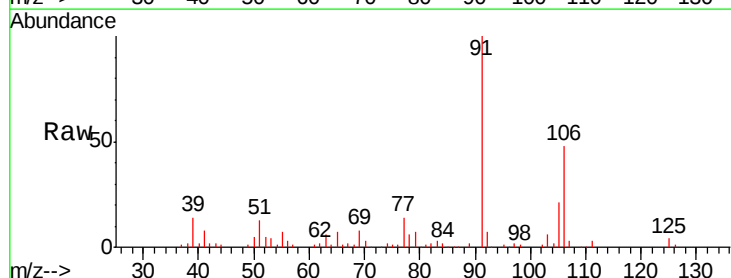
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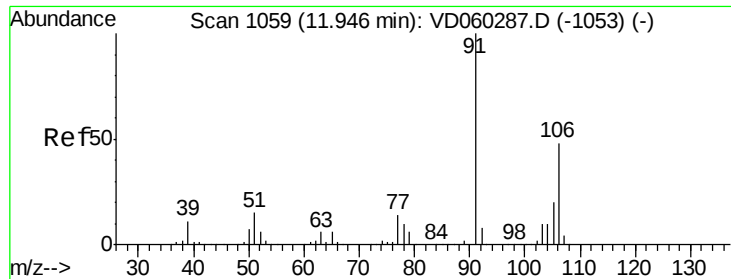
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#68
m/p-Xylenes
Concen: 15.88 ug/l
RT: 11.54 min Scan# 1018
Delta R.T. -0.03 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Tgt Ion: 106 Resp: 121175
Ion Ratio Lower Upper
106 100
91 209.5 159.4 239.2





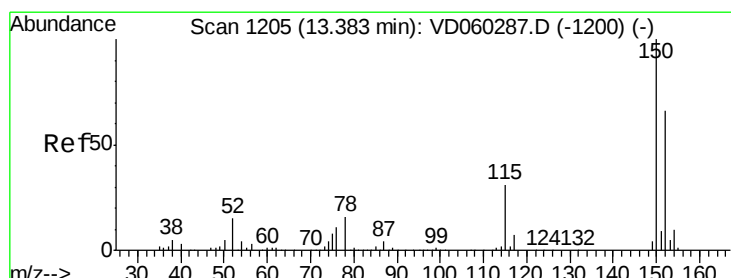
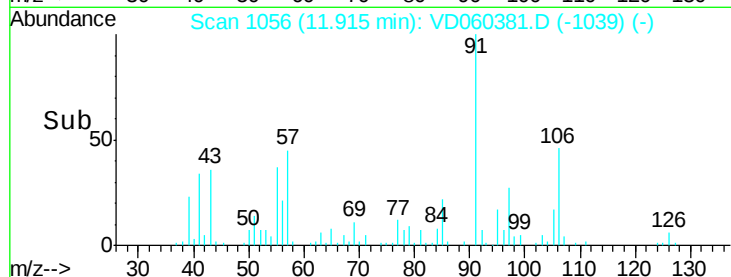
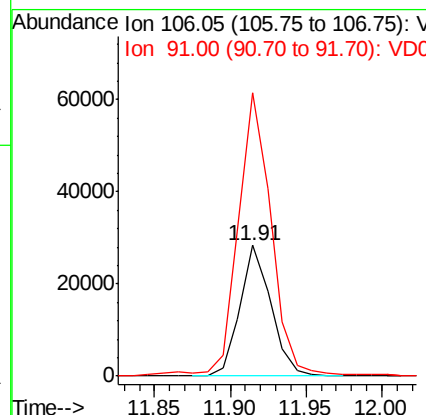
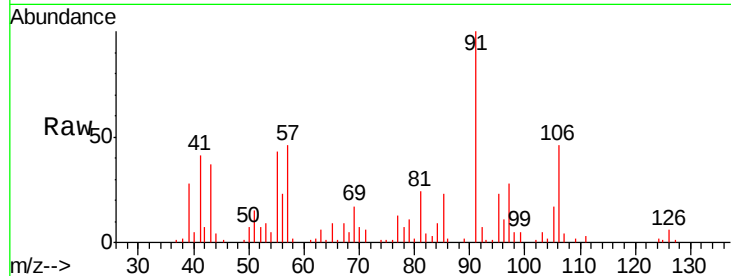
#69
o-Xylene
Concen: 5.50 ug/l
RT: 11.91 min Scan# 1056
Delta R.T. -0.03 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Instrument :
MSVOA_D
ClientSampleId :
32727-45914-21716

Tgt Ion:106 Resp: 40556
Ion Ratio Lower Upper
106 100
91 216.6 109.2 327.6

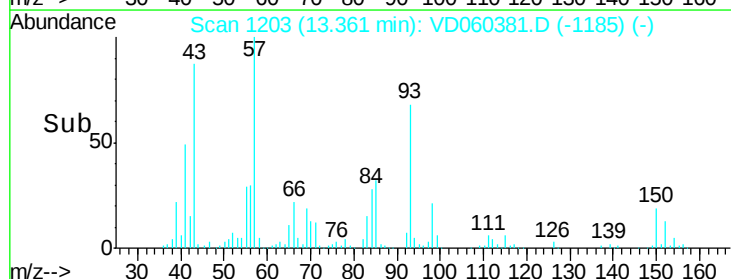
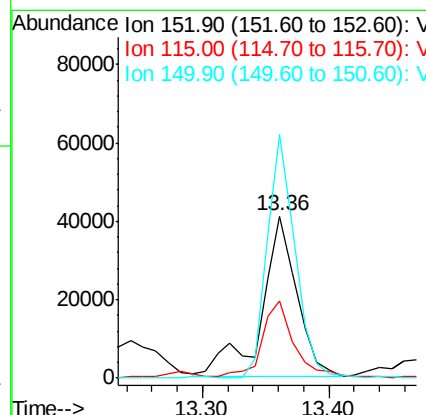
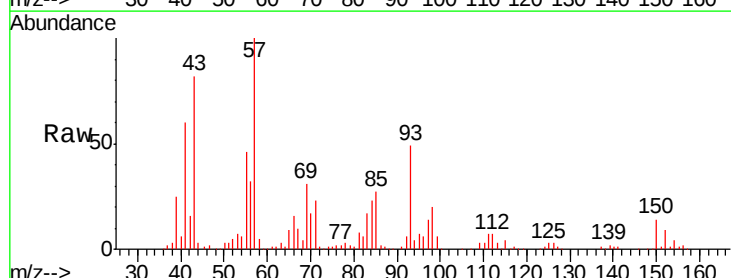
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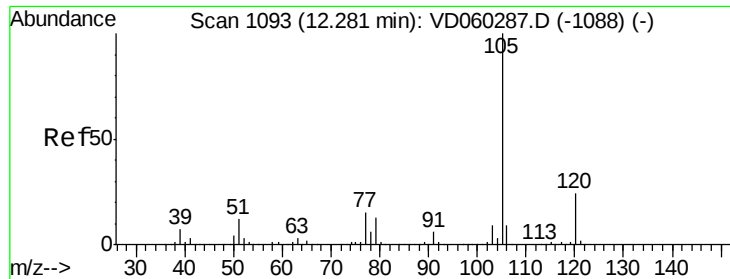
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Tgt Ion:152 Resp: 78878
Ion Ratio Lower Upper
152 100
115 47.3 24.1 72.3
150 150.1 0.0 310.6





#73

Isopropylbenzene

Concen: 7.87 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_D

ClientSampleId :

32727-45914-21716

Tgt Ion: 105 Resp: 45240

Ion Ratio Lower Upper

105 100

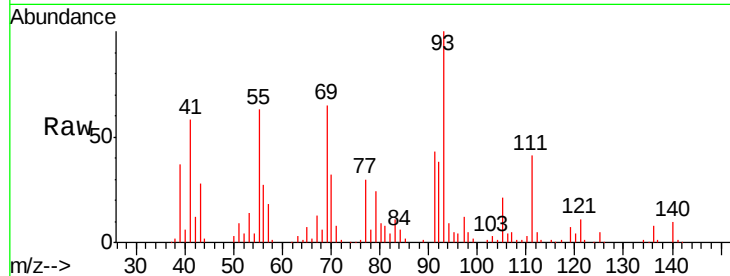
120 17.3 12.1 36.3

Manual Integrations

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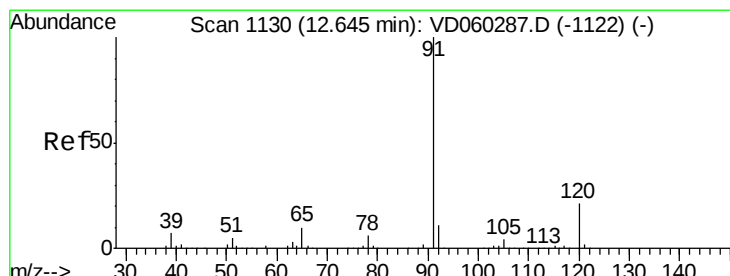
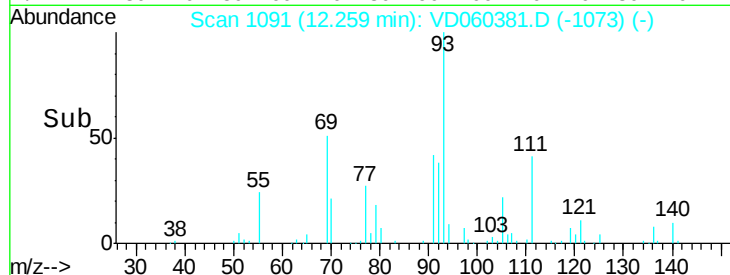
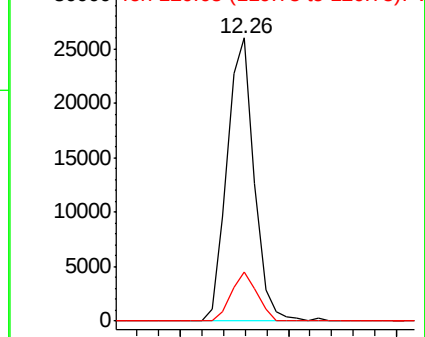
apatel

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#78

n-propylbenzene

Concen: 3.39 ug/l

RT: 12.62 min Scan# 1128

Delta R.T. -0.02 min

Lab File: VD060381.D

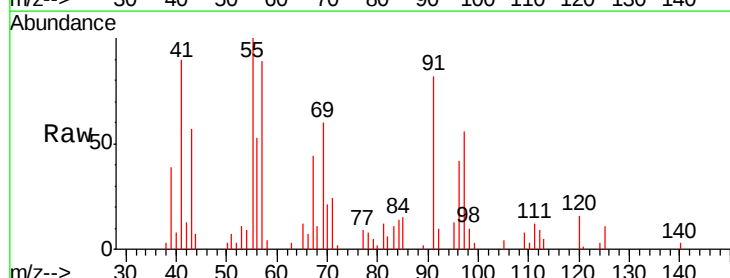
Acq: 14 Nov 2018 16:13

Tgt Ion: 91 Resp: 24295

Ion Ratio Lower Upper

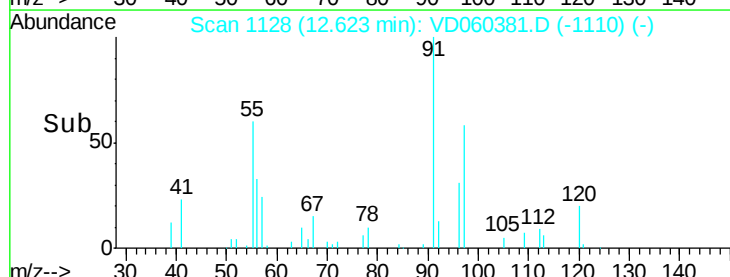
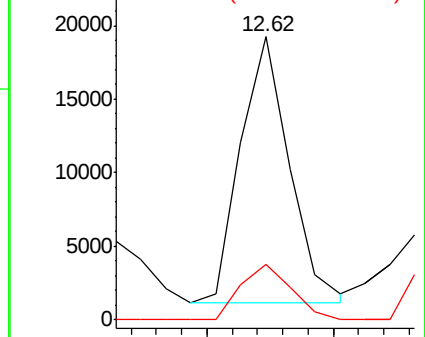
91 100

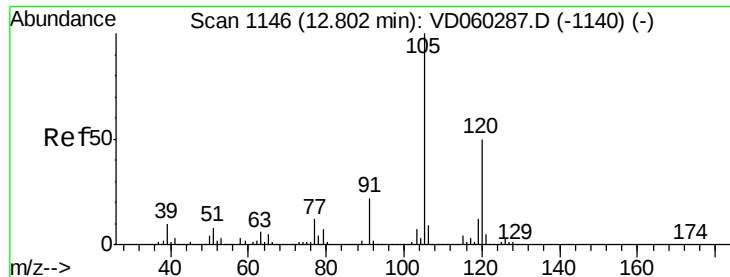
120 19.6 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





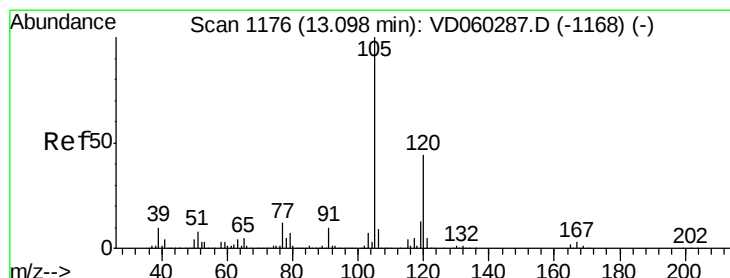
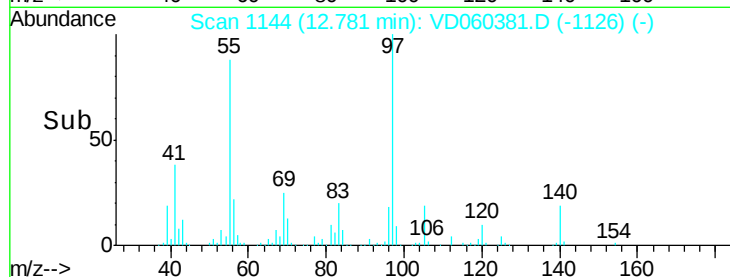
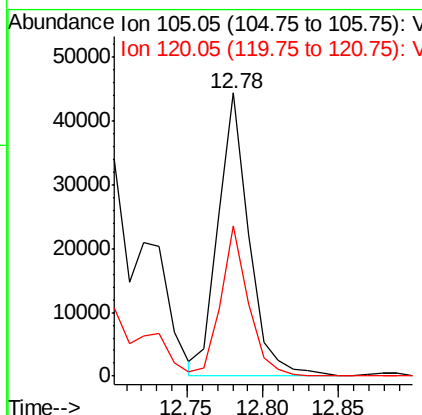
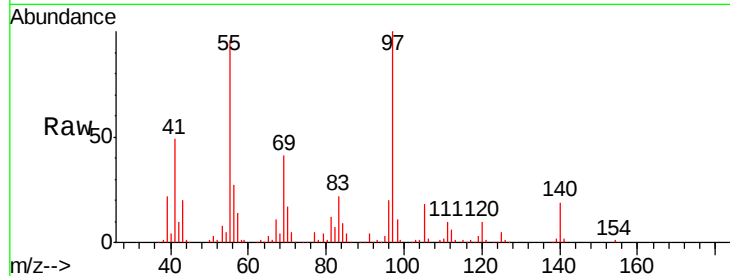
#80
 1,3,5-Trimethylbenzene
 Concen: 14.14 ug/l
 RT: 12.78 min Scan# 1144
 Delta R.T. -0.02 min
 Lab File: VD060381.D
 Acq: 14 Nov 2018 16:13

Instrument :
 MSVOA_D
 ClientSampleId :
 32727-45914-21716

Tgt Ion:105 Resp: 63149
 Ion Ratio Lower Upper
 105 100
 120 53.1 24.4 73.4

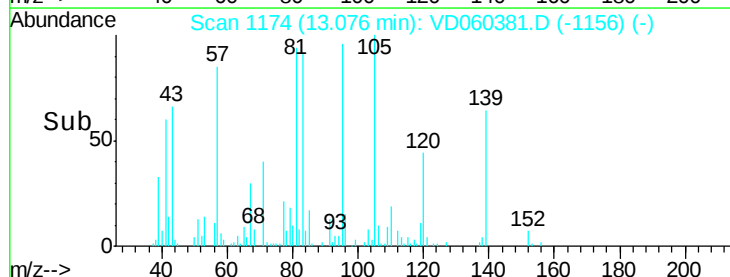
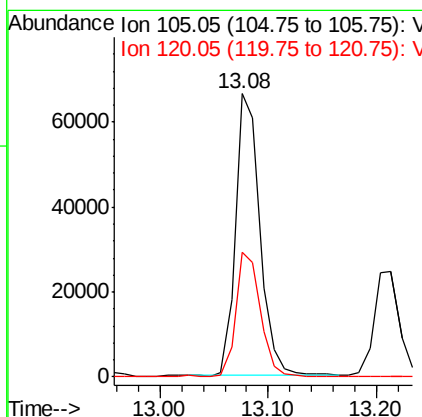
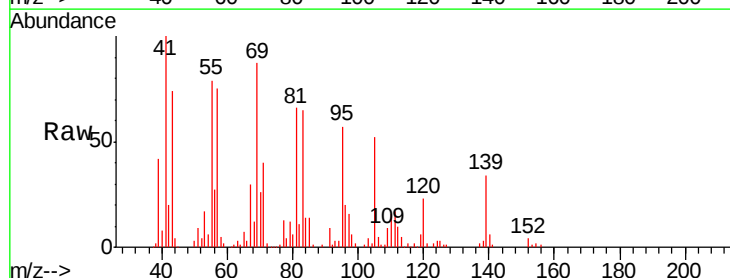
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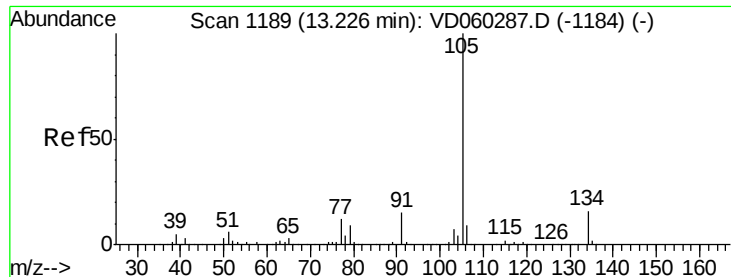
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.28 ug/l
 RT: 13.08 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: VD060381.D
 Acq: 14 Nov 2018 16:13

Tgt Ion:105 Resp: 103817
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.9 65.8





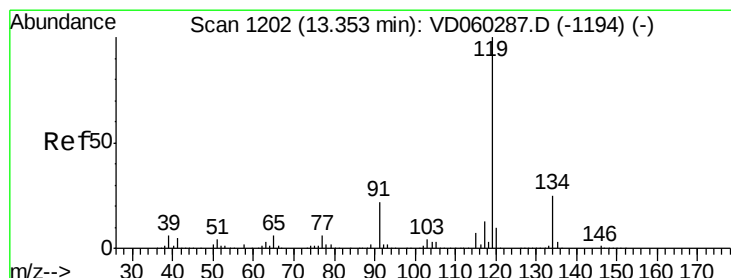
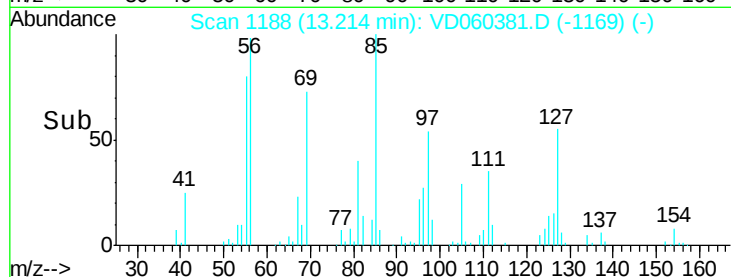
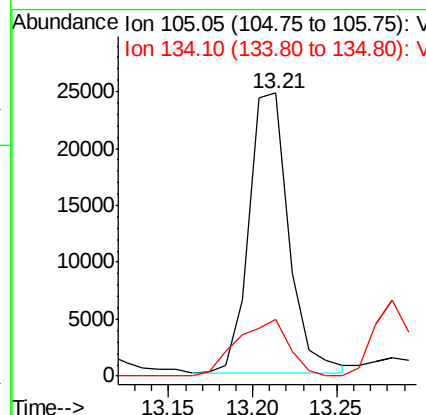
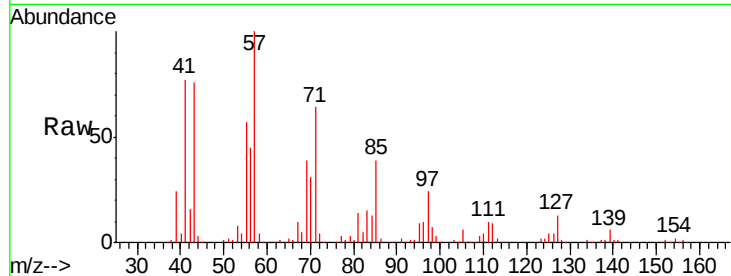
#85
 sec-Butylbenzene
 Concen: 6.63 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: VD060381.D
 Acq: 14 Nov 2018 16:13

Instrument :
 MSVOA_D
 ClientSampleId :
 32727-45914-21716

Tgt Ion:105 Resp: 40327
 Ion Ratio Lower Upper
 105 100
 134 19.9 8.0 24.0

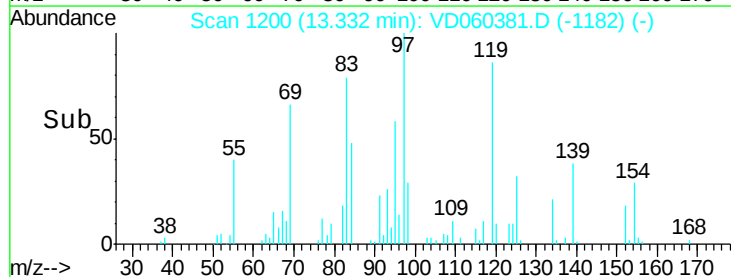
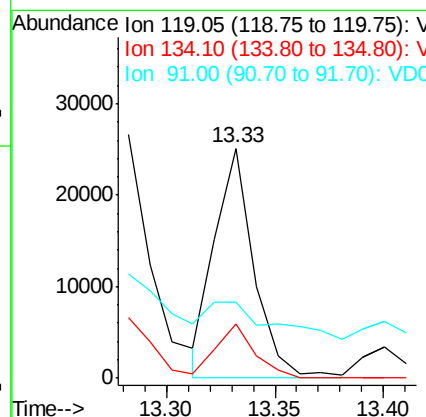
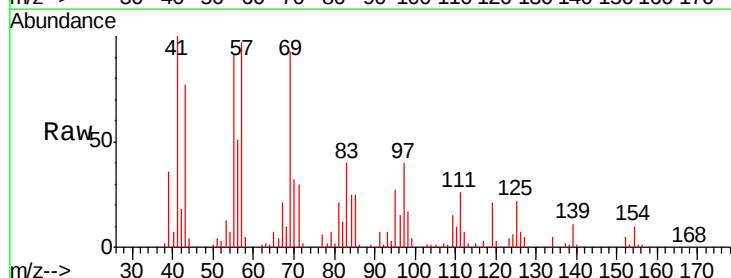
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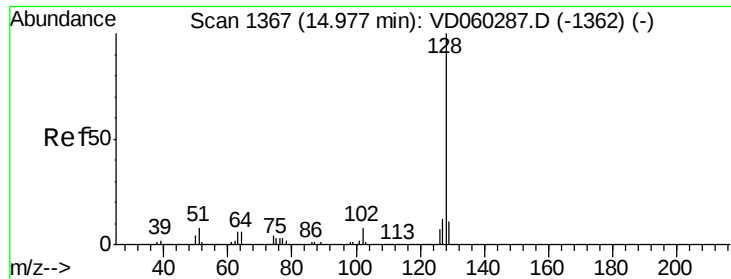
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#86
 p-Isopropyltoluene
 Concen: 6.52 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VD060381.D
 Acq: 14 Nov 2018 16:13

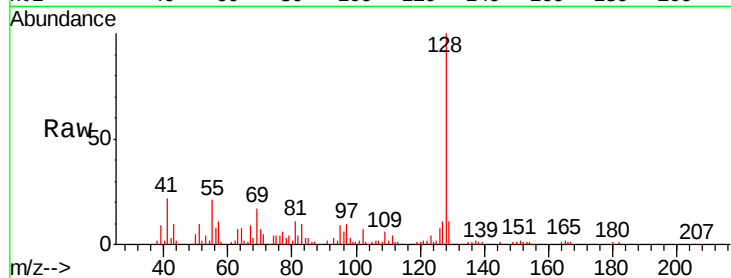
Tgt Ion:119 Resp: 31922
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.9 38.6
 91 33.3 11.3 33.8





#95
Naphthalene
Concen: 49.10 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Instrument :
MSVOA_D
ClientSampleId :
32727-45914-21716



Tgt	Ion	Ratio	Resp	Lower	Upper
128	100		106047		
127	11.3	9.6	14.4		
129	10.9	8.6	12.8		

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