

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121418\
 Data File : VD060576.D
 Acq On : 14 Dec 2018 16:33
 Operator : VA/AP
 Sample : J6403-21
 Misc : 4.64g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-B

Manual Integrations
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Quant Time: Dec 14 23:02:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	31111	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	54347	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	42803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	17240	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	31582	143.22	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	286.44%	
35) Dibromofluoromethane	6.31	113	27915	69.93	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	139.86%	
50) Toluene-d8	9.44	98	50945	44.10	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	88.20%	
62) 4-Bromofluorobenzene	12.41	95	18318	44.32	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	88.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.15	43	22542	637.744	ug/l #	87
20) Methylene Chloride	3.71	84	3061	5.446	ug/l	87
40) Benzene	6.78	78	8927	6.575	ug/l #	89
52) Toluene	9.53	92	9464	11.153	ug/l	100
67) Ethyl Benzene	11.42	91	85232	55.182	ug/l	94
68) m/p-Xylenes	11.56	106	12278	21.487	ug/l	77
69) o-Xylene	11.92	106	26075	47.882	ug/l	79
70) Styrene	11.94	104	7513	8.595	ug/l #	90
73) Isopropylbenzene	12.27	105	42795	35.079	ug/l	96
78) n-propylbenzene	12.63	91	10634	6.896	ug/l	95
80) 1,3,5-Trimethylbenzene	12.78	105	173095	185.685	ug/l	98
84) 1,2,4-Trimethylbenzene	13.08	105	646770	670.064	ug/l	99
85) sec-Butylbenzene	13.21	105	7414m	5.691	ug/l	
86) p-Isopropyltoluene	13.33	119	112050	108.504	ug/l	96
95) Naphthalene	14.96	128	8305120	18820.999	ug/l	98

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

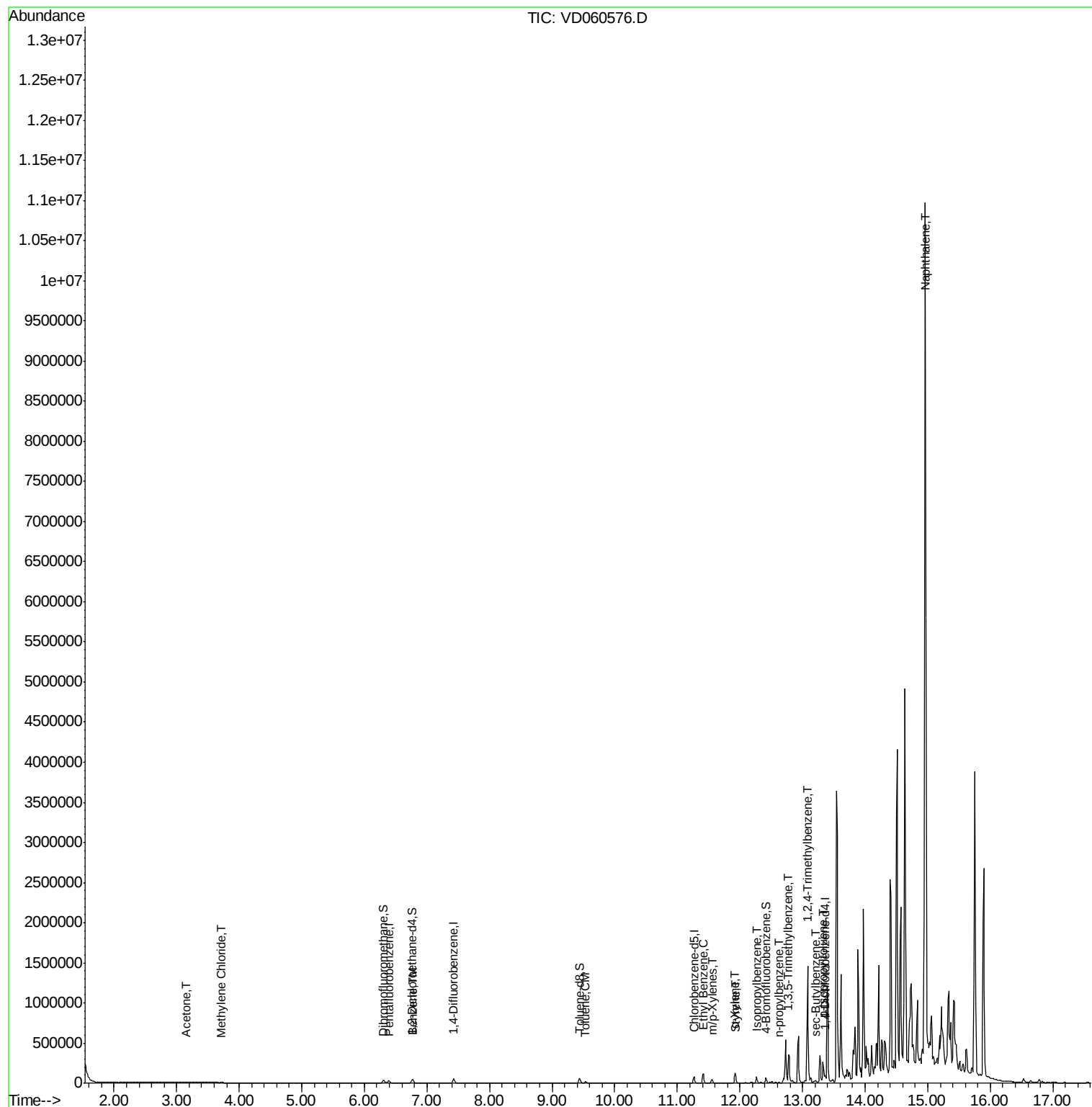
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Data File : VD060576.D
Acq On : 14 Dec 2018 16:33
Operator : VA/AP
Sample : J6403-21
Misc : 4.64g/5ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

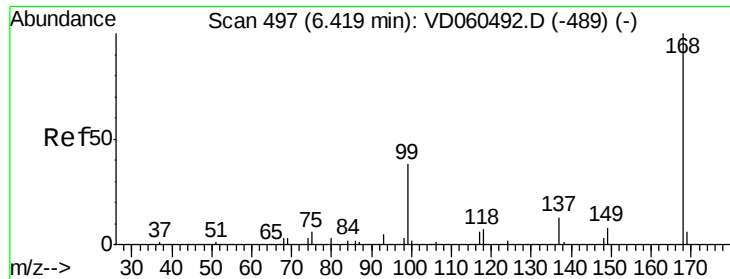
Instrument :
MSVOA_D
ClientSampleId :
TP-3-B

Manual Integrations
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Quant Time: Dec 14 23:02:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.03 min

Lab File: VD060576.D

Acq: 14 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

TP-3-B

Tgt Ion: 168 Resp: 31111

Ion Ratio Lower Upper

168 100

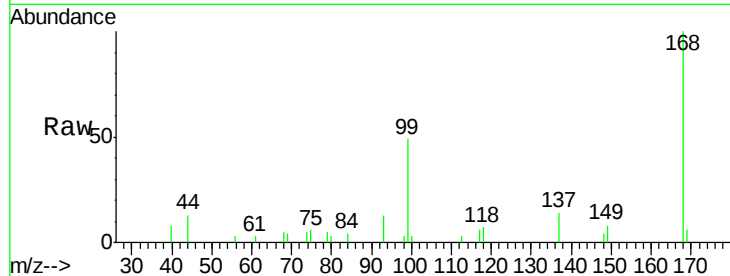
99 48.6 35.6 53.4

Manual Integrations

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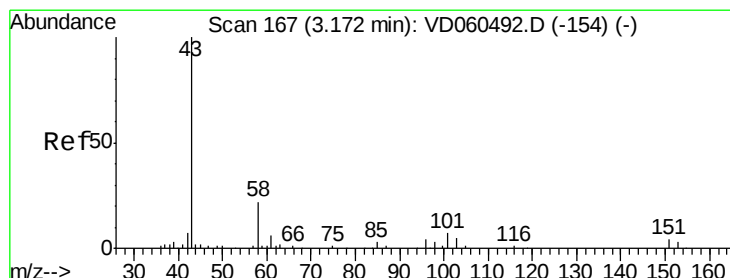
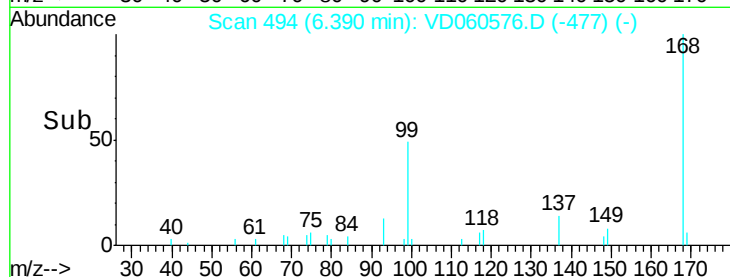
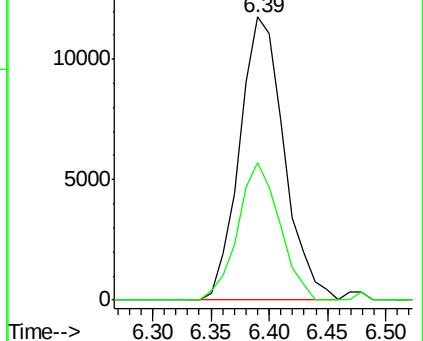
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 637.744 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060576.D

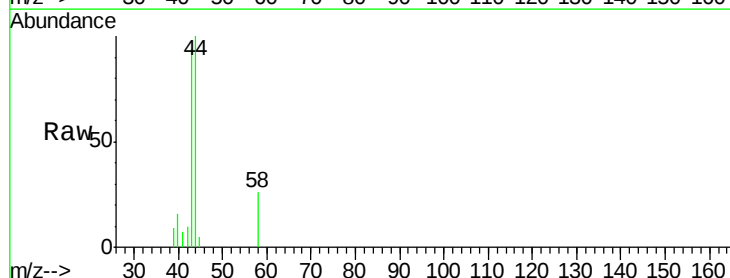
Acq: 14 Dec 2018 16:33

Tgt Ion: 43 Resp: 22542

Ion Ratio Lower Upper

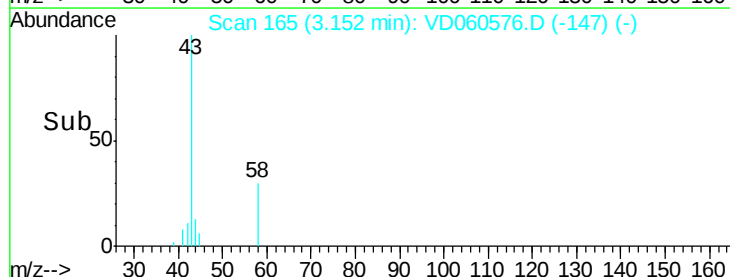
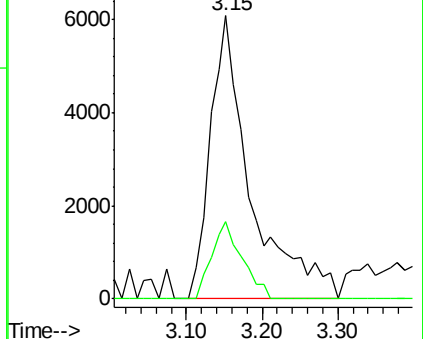
43 100

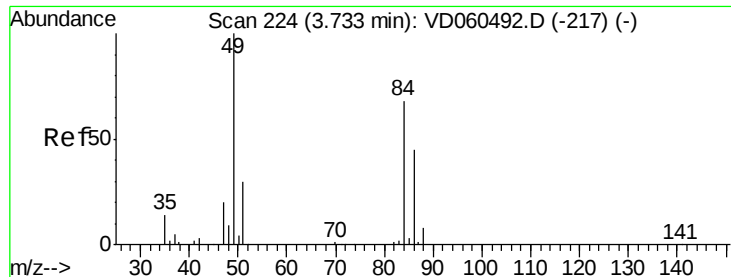
58 27.5 17.3 25.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





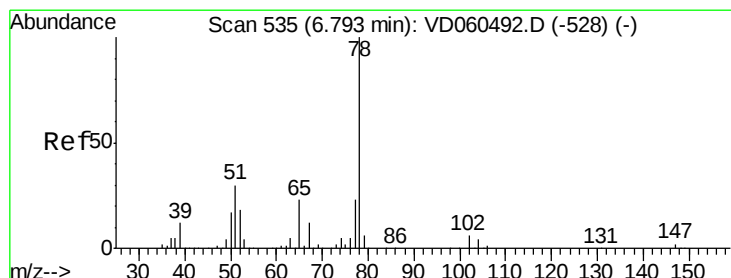
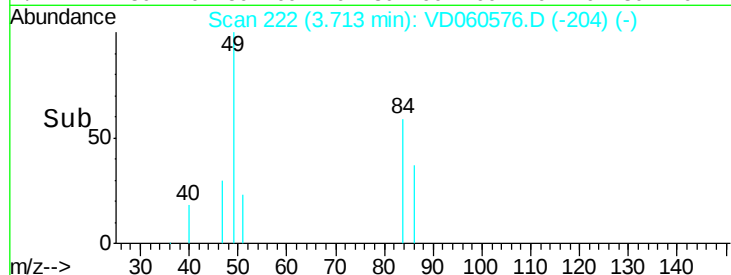
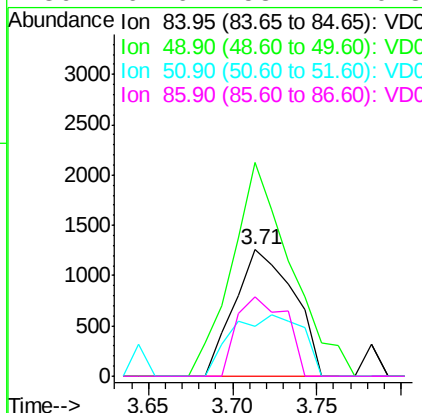
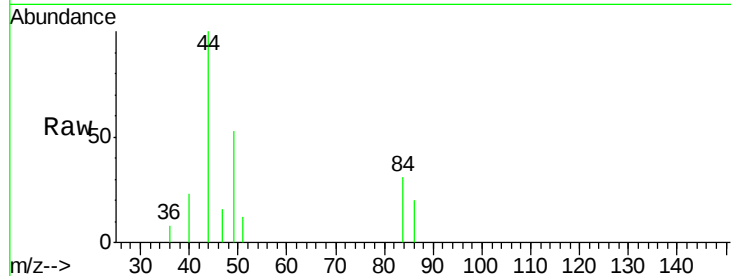
#20
Methylene Chloride
Concen: 5.446 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD060576.D
Acq: 14 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
TP-3-B

Tgt Ion: 84 Resp: 3061
Ion Ratio Lower Upper
84 100
49 169.2 117.2 175.8
51 39.4 35.3 52.9
86 62.6 53.2 79.8

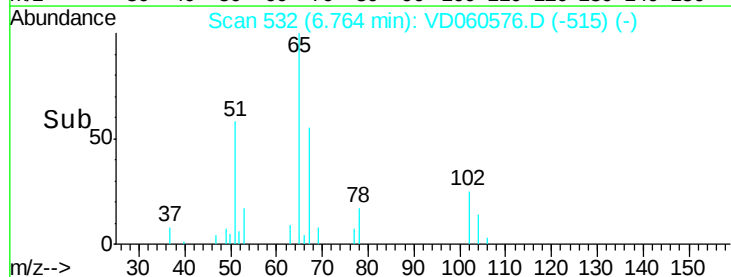
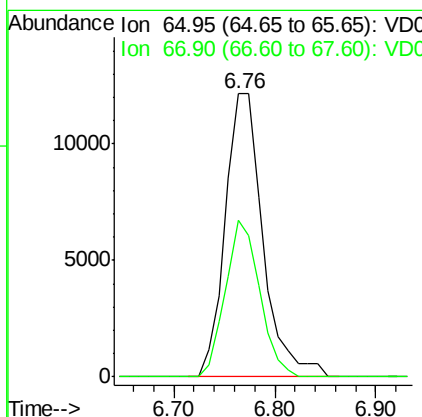
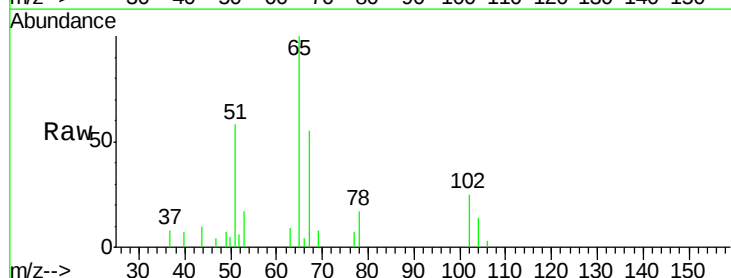
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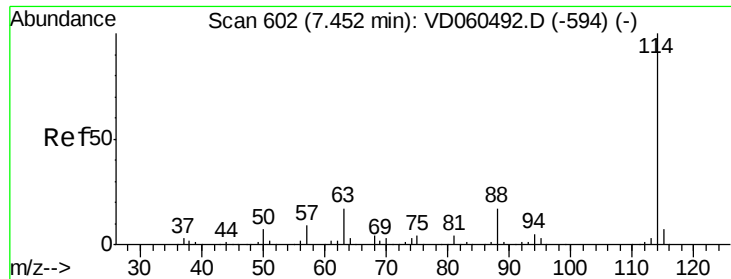
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#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.76 min Scan# 532
Delta R.T. -0.03 min
Lab File: VD060576.D
Acq: 14 Dec 2018 16:33

Tgt Ion: 65 Resp: 31582
Ion Ratio Lower Upper
65 100
67 55.2 0.0 106.8





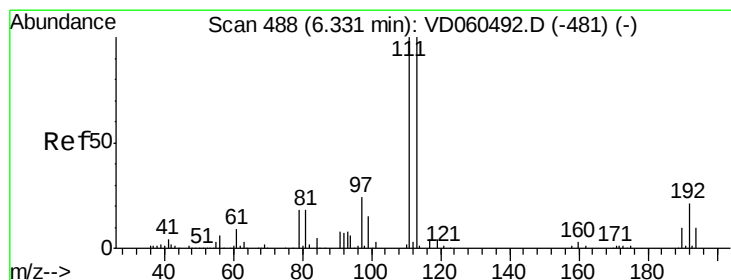
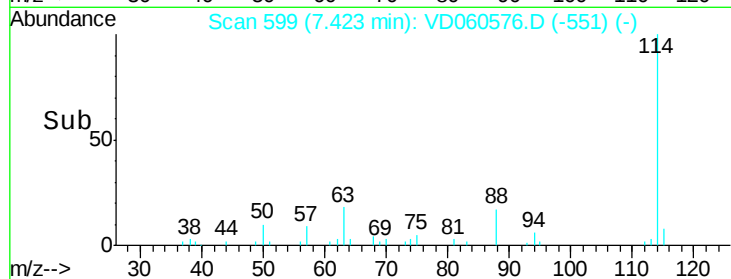
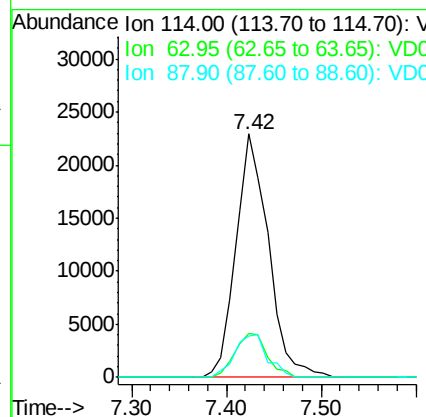
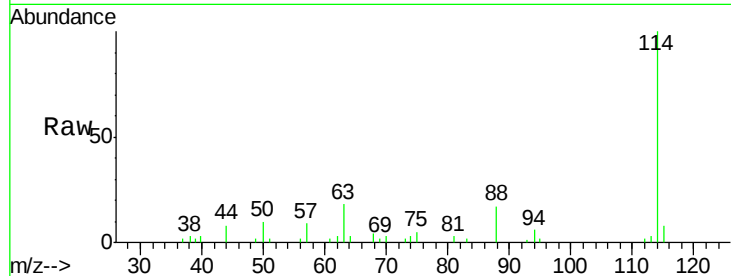
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 7.42 min Scan# 599
Delta R.T. -0.03 min
Lab File: VD060576.D
Acq: 14 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
TP-3-B

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	54347		
63	17.9	0.0	34.2	
88	17.2	0.0	35.0	

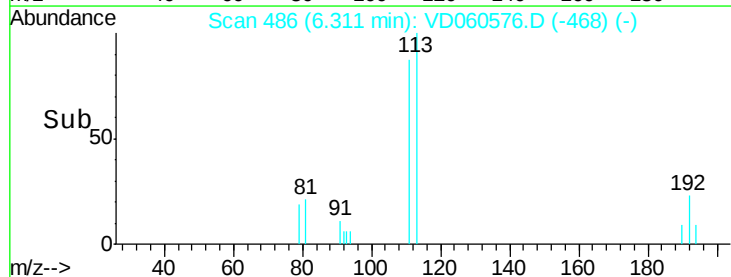
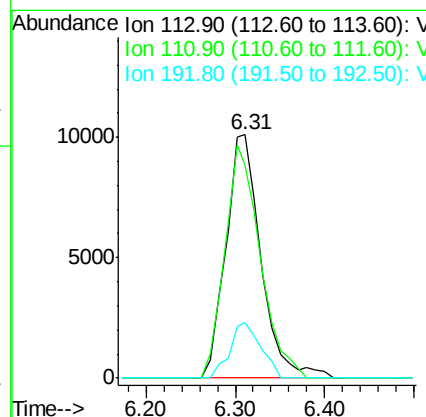
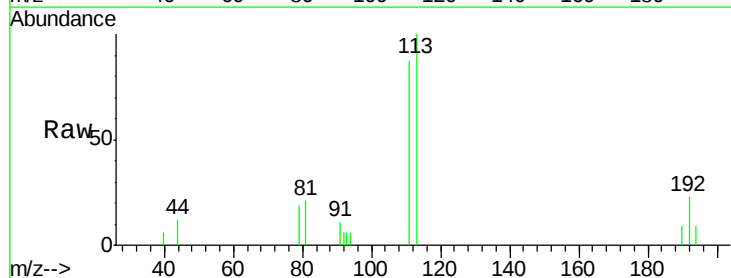
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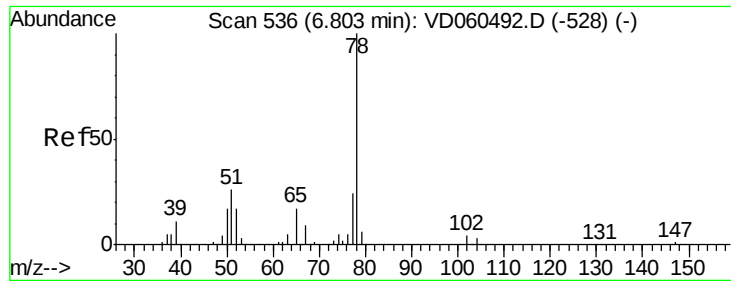
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#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.31 min Scan# 486
Delta R.T. -0.02 min
Lab File: VD060576.D
Acq: 14 Dec 2018 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	27915		
111	87.3	80.2	120.4	
192	22.5	16.6	24.8	





#40

Benzene

Concen: 6.575 ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD060576.D

Acq: 14 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

TP-3-B

Tgt Ion: 78 Resp: 8927

Ion Ratio Lower Upper

78 100

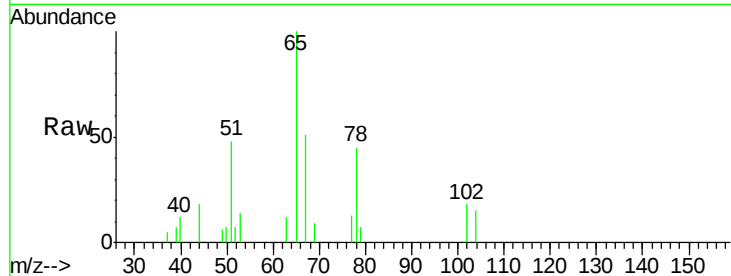
77 29.1 18.9 28.3#

Manual Integrations

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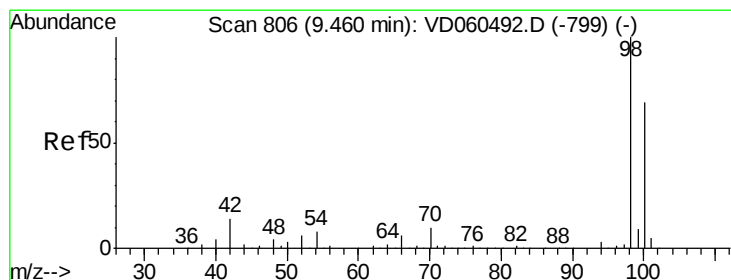
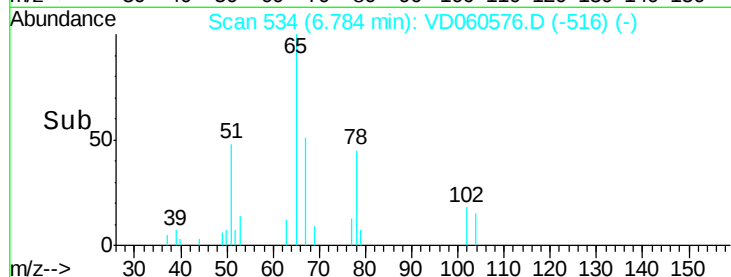
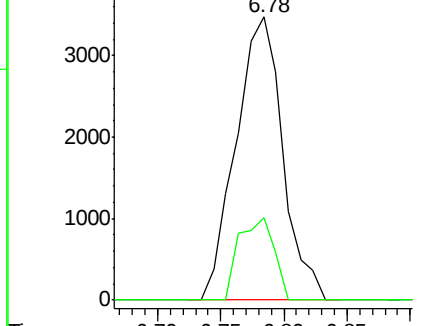
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Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.44 min Scan# 804

Delta R.T. -0.02 min

Lab File: VD060576.D

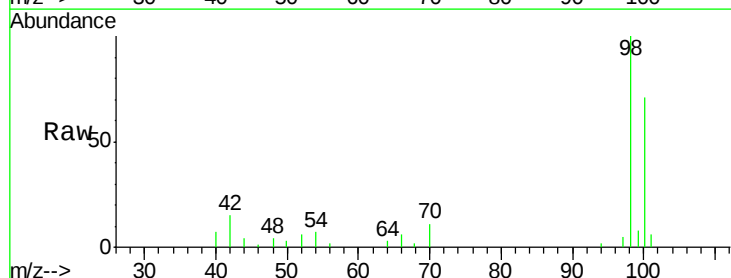
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Tgt Ion: 98 Resp: 50945

Ion Ratio Lower Upper

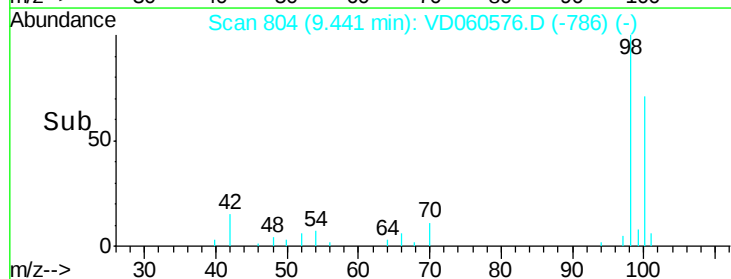
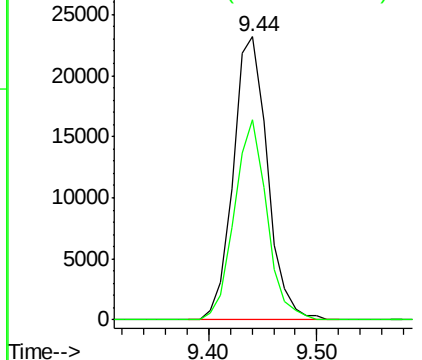
98 100

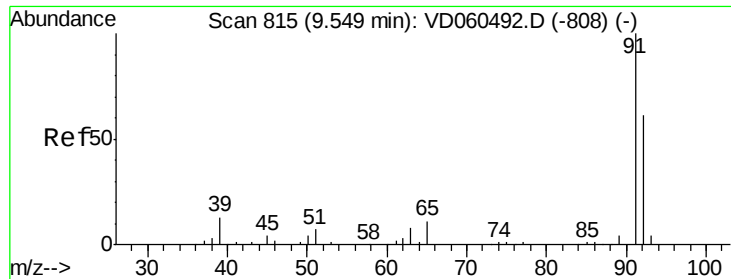
100 70.7 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 11.153 ug/l

RT: 9.53 min Scan# 813

Delta R.T. -0.02 min

Lab File: VD060576.D

Acq: 14 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampled :

TP-3-B

Tgt Ion: 92 Resp: 9464

Ion Ratio Lower Upper

92 100

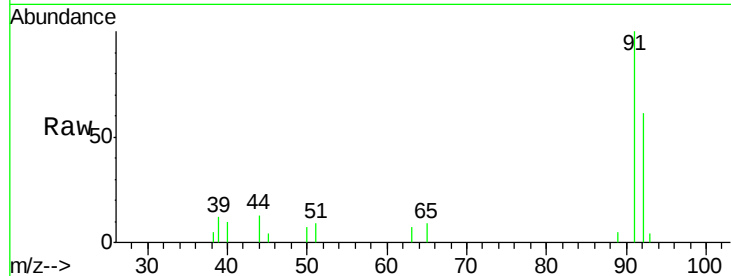
91 164.9 131.7 197.5

Manual Integrations

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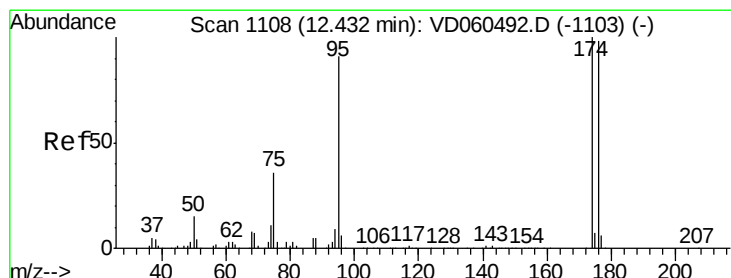
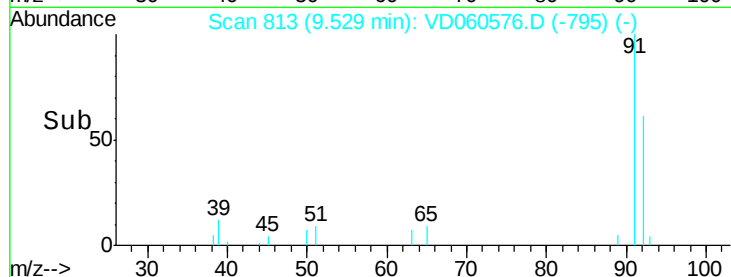
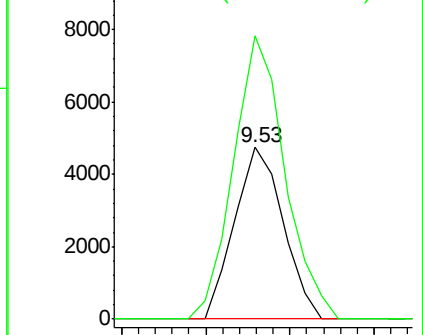
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Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VD060576.D

Acq: 14 Dec 2018 16:33

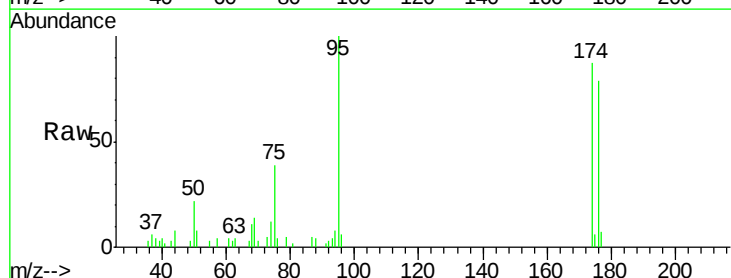
Tgt Ion: 95 Resp: 18318

Ion Ratio Lower Upper

95 100

174 86.7 0.0 219.4

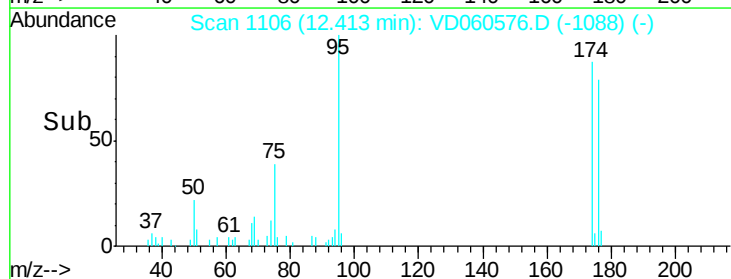
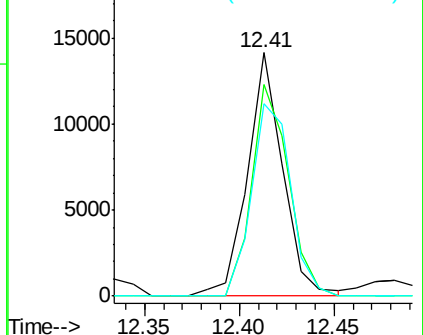
176 78.9 0.0 214.6

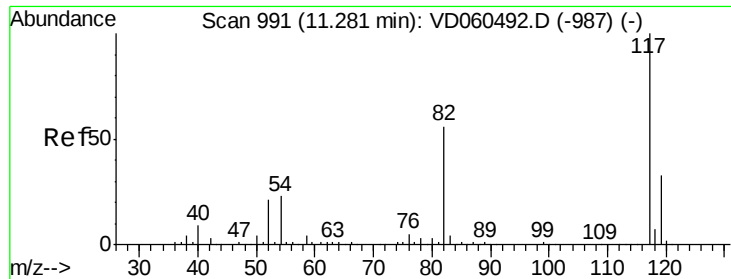


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





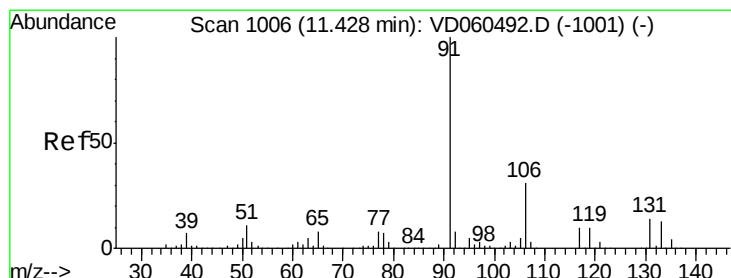
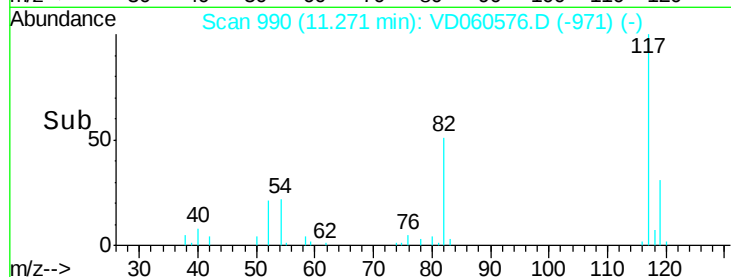
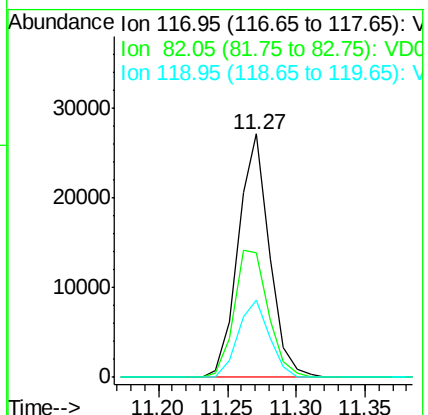
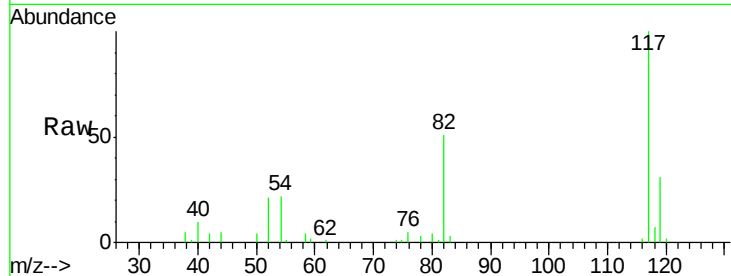
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.01 min
Lab File: VD060576.D
Acq: 14 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampled :
TP-3-B

Tgt Ion: 117 Resp: 42803
Ion Ratio Lower Upper
117 100
82 51.0 45.2 67.8
119 31.5 26.1 39.1

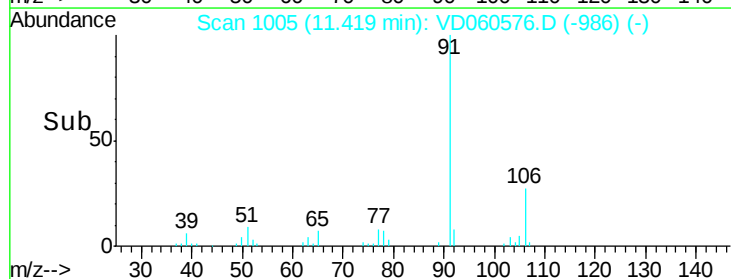
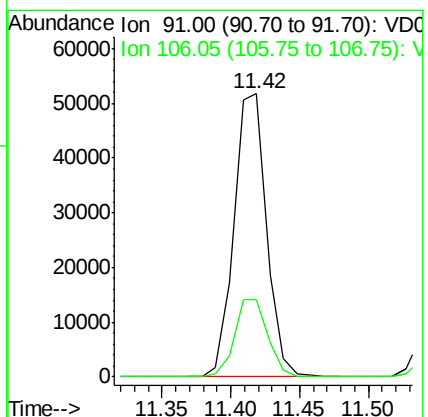
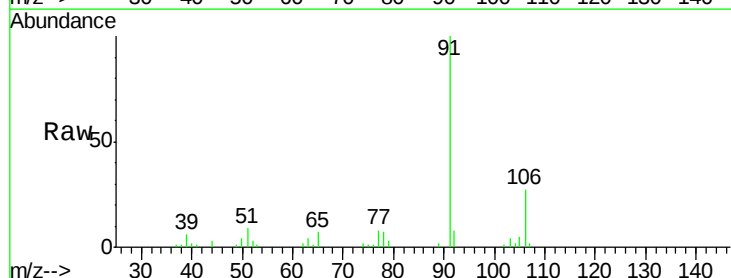
Manual Integrations
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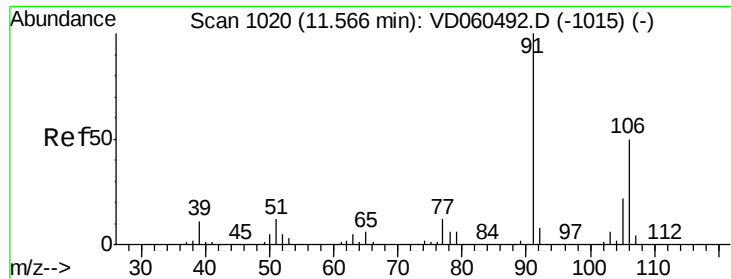
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#67
Ethyl Benzene
Concen: 55.182 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060576.D
Acq: 14 Dec 2018 16:33

Tgt Ion: 91 Resp: 85232
Ion Ratio Lower Upper
91 100
106 27.4 24.6 37.0





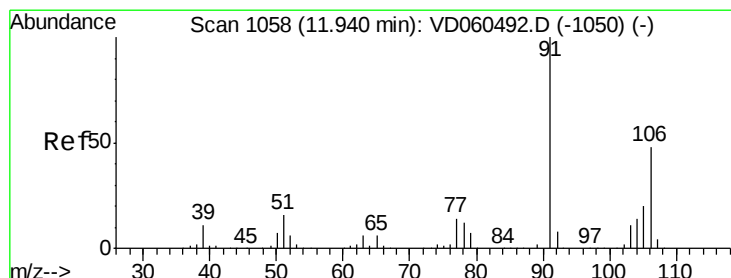
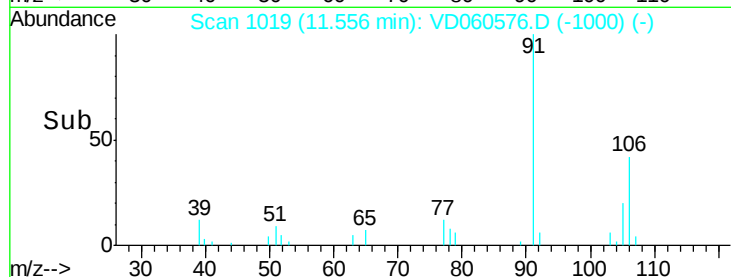
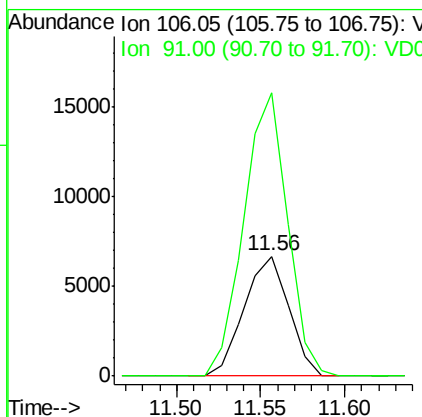
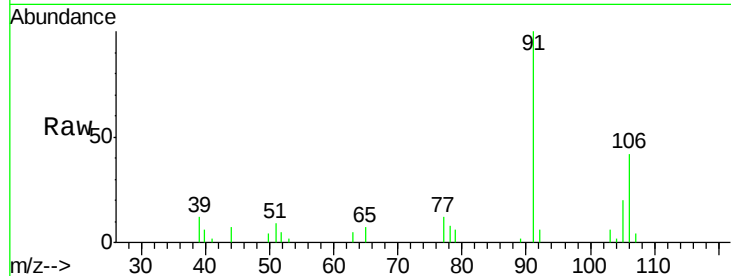
#68
m/p-Xylenes
Concen: 21.487 ug/l
RT: 11.56 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD060576.D
Acq: 14 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampled :
TP-3-B

Tgt Ion:106 Resp: 12278
Ion Ratio Lower Upper
106 100
91 235.6 160.5 240.7

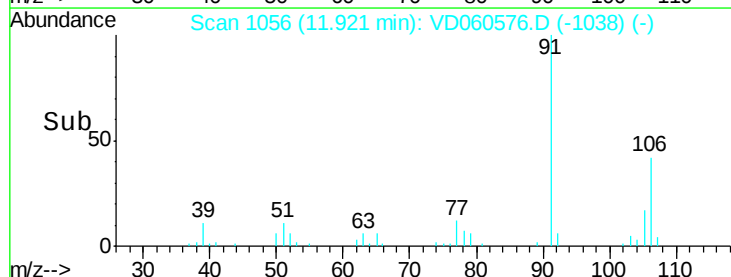
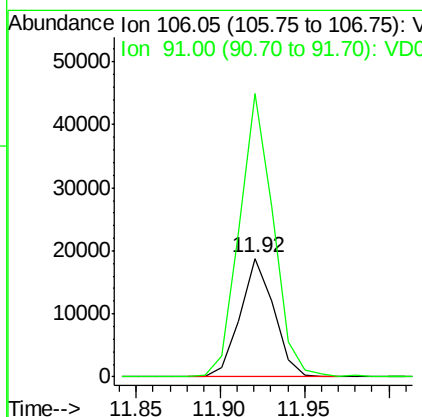
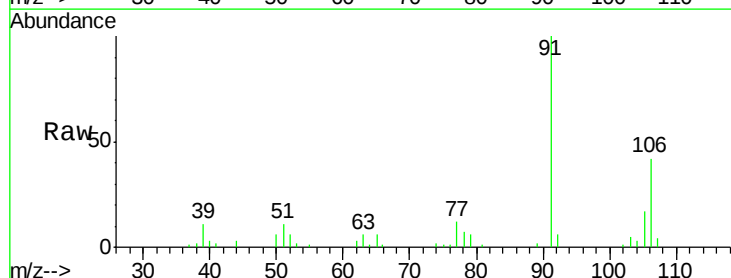
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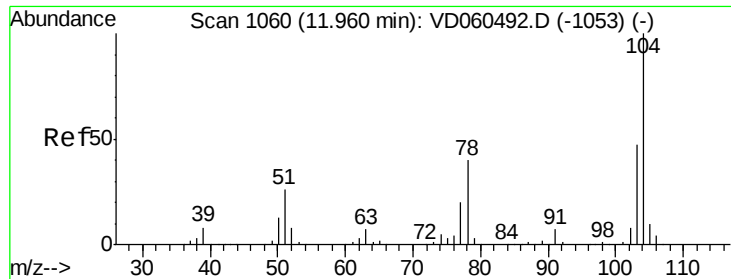
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#69
o-Xylene
Concen: 47.882 ug/l
RT: 11.92 min Scan# 1056
Delta R.T. -0.02 min
Lab File: VD060576.D
Acq: 14 Dec 2018 16:33

Tgt Ion:106 Resp: 26075
Ion Ratio Lower Upper
106 100
91 238.6 103.4 310.1





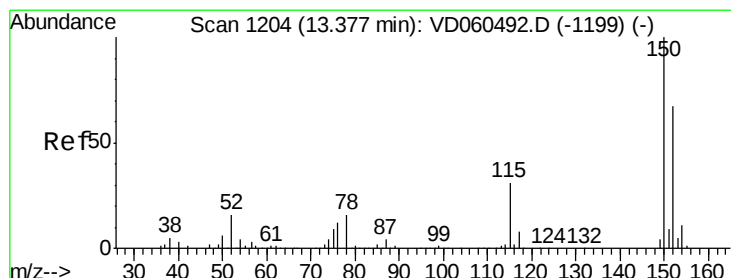
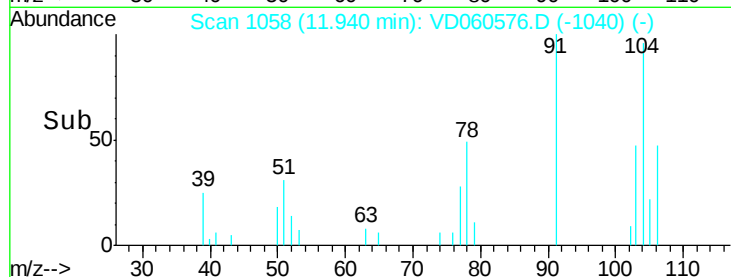
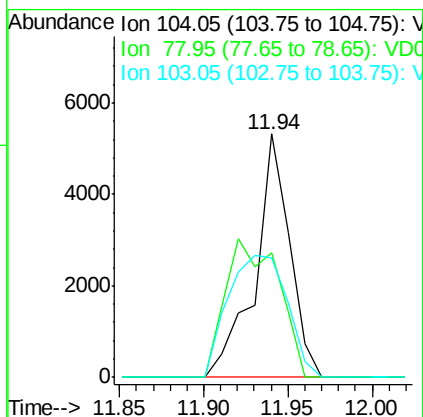
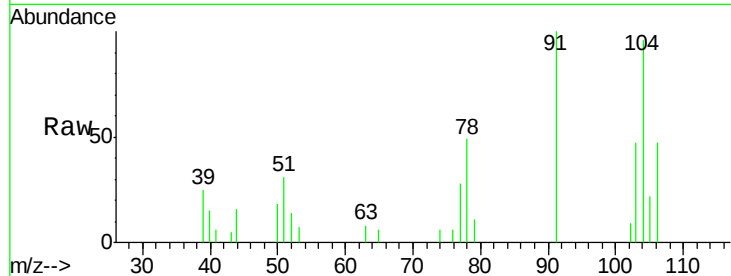
#70
Styrene
Concen: 8.595 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.02 min
Lab File: VD060576.D
Acq: 14 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
TP-3-B

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.1	32.1	48.1#
103	49.2	37.2	55.8

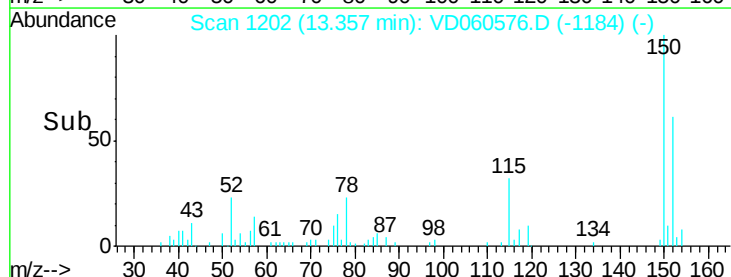
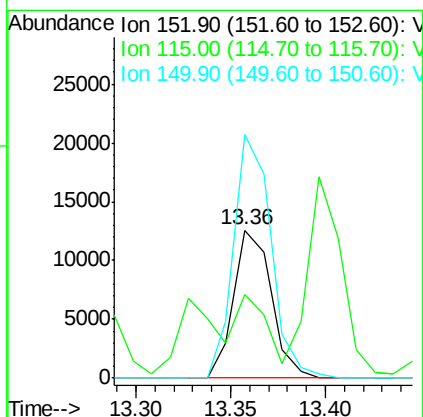
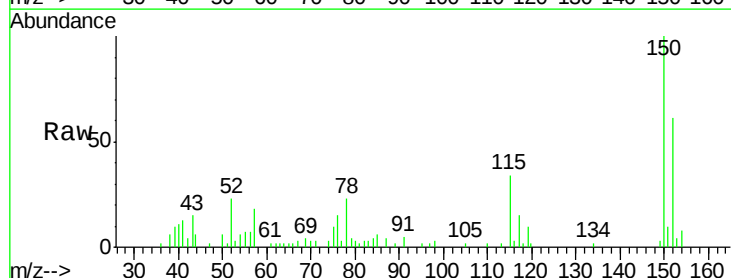
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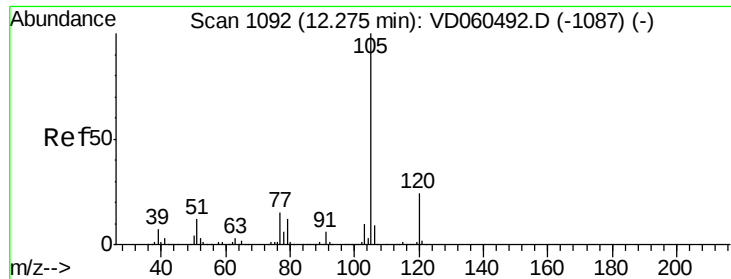
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1202
Delta R.T. -0.02 min
Lab File: VD060576.D
Acq: 14 Dec 2018 16:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	24.6	74.0
150	164.4	0.0	309.0





#73

Isopropylbenzene

Concen: 35.079 ug/l

RT: 12.27 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VD060576.D

Acq: 14 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

TP-3-B

Tgt Ion: 105 Resp: 42795

Ion Ratio Lower Upper

105 100

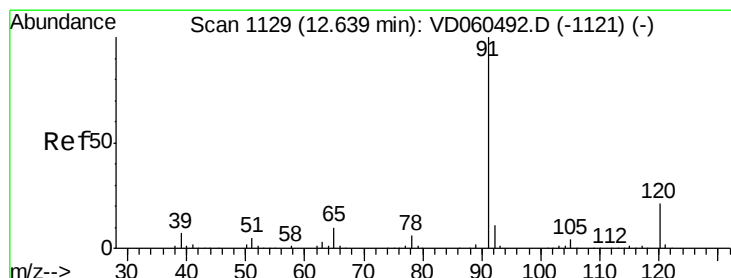
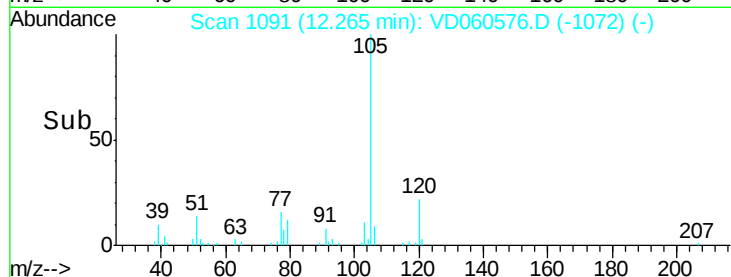
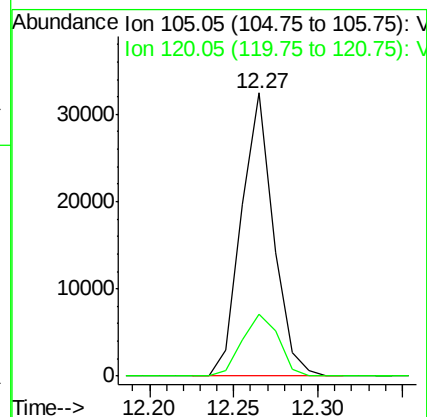
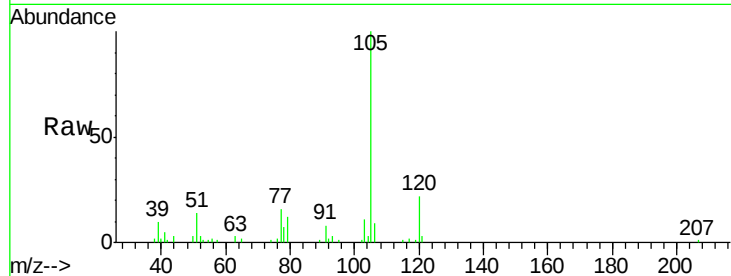
120 21.8 11.9 35.9

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#78

n-propylbenzene

Concen: 6.896 ug/l

RT: 12.63 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VD060576.D

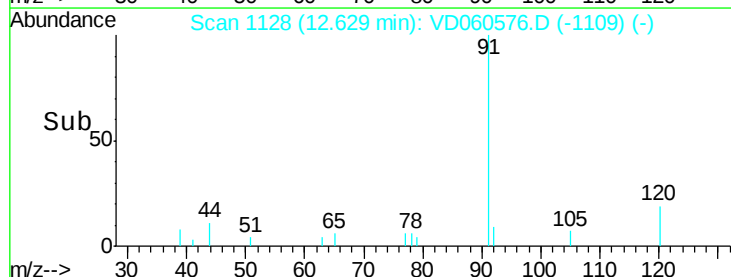
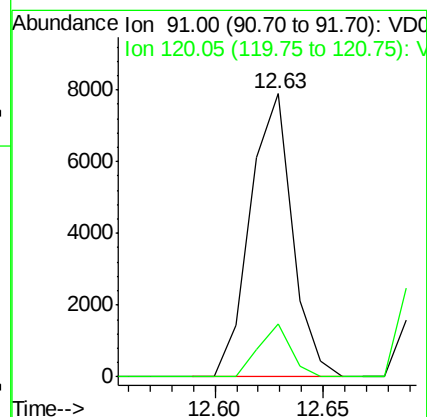
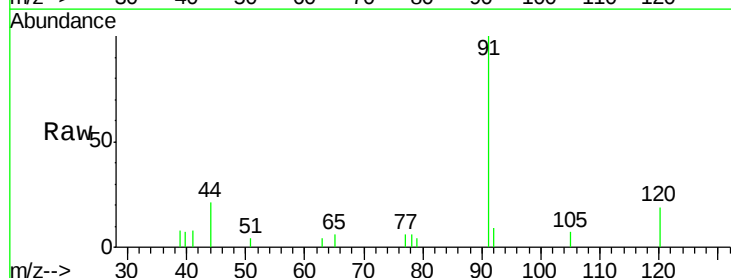
Acq: 14 Dec 2018 16:33

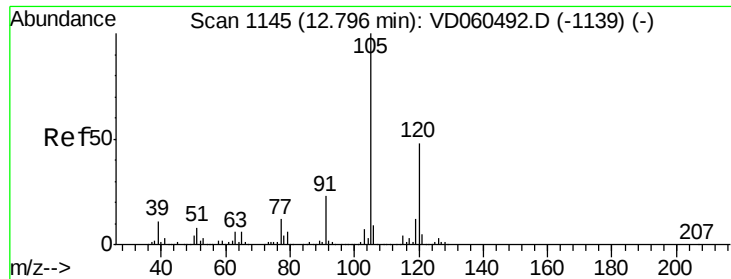
Tgt Ion: 91 Resp: 10634

Ion Ratio Lower Upper

91 100

120 18.6 10.4 31.1





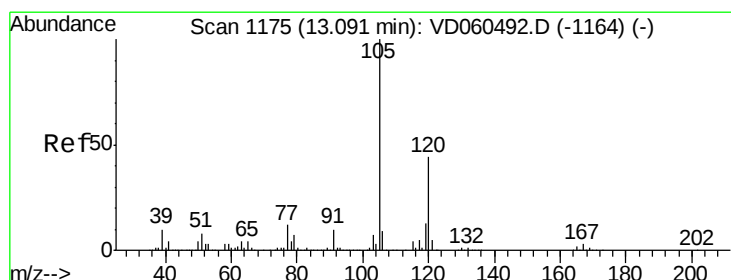
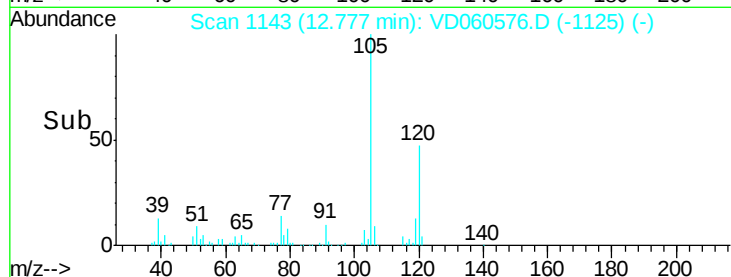
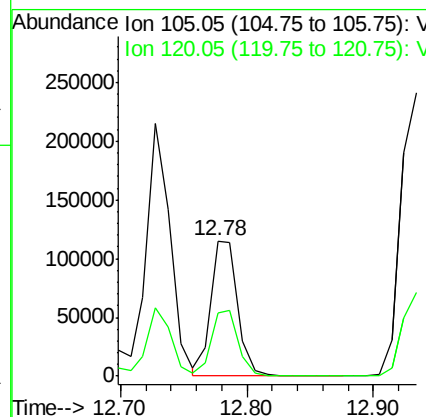
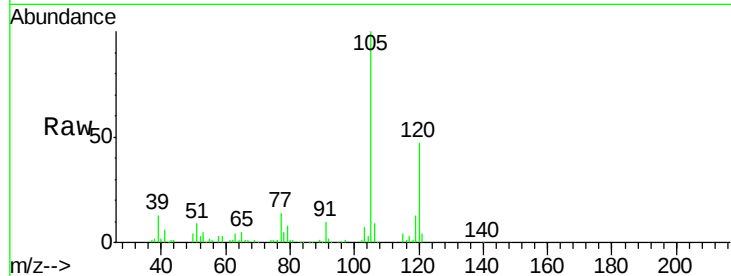
#80
 1,3,5-Trimethylbenzene
 Concen: 185.685 ug/l
 RT: 12.78 min Scan# 1143
 Delta R.T. -0.02 min
 Lab File: VD060576.D
 Acq: 14 Dec 2018 16:33

Instrument :
 MSVOA_D
 ClientSampled :
 TP-3-B

Tgt Ion:105 Resp: 173095
 Ion Ratio Lower Upper
 105 100
 120 46.9 24.2 72.6

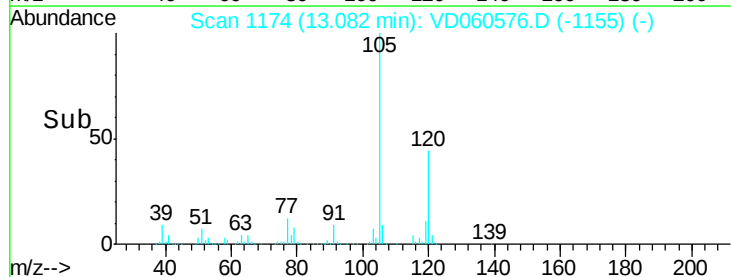
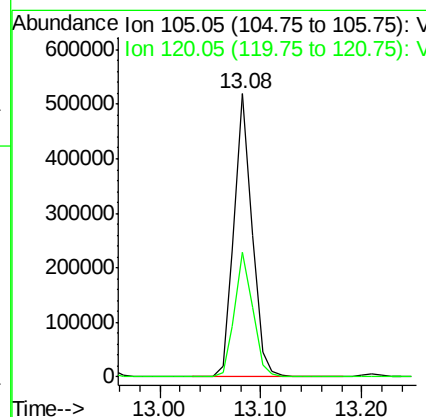
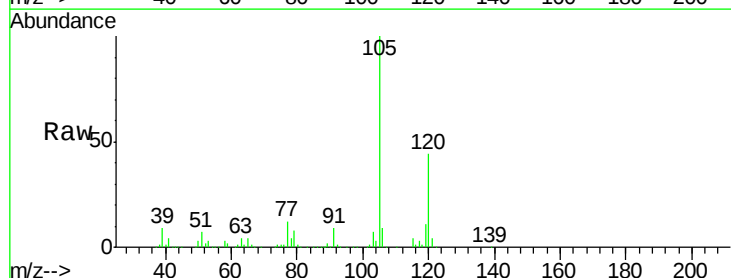
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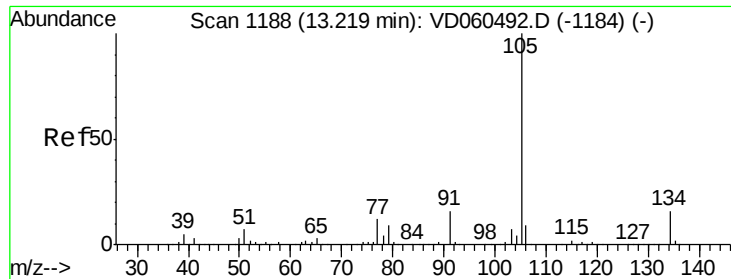
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#84
 1,2,4-Trimethylbenzene
 Concen: 670.064 ug/l
 RT: 13.08 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VD060576.D
 Acq: 14 Dec 2018 16:33

Tgt Ion:105 Resp: 646770
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.3 66.8





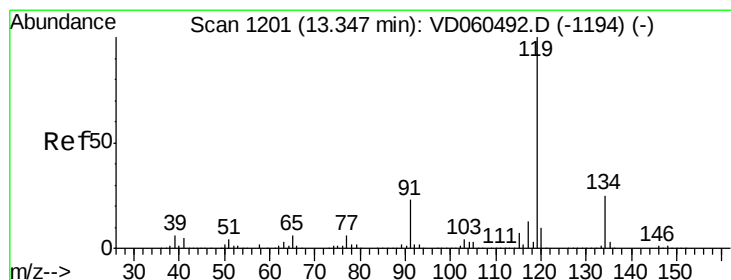
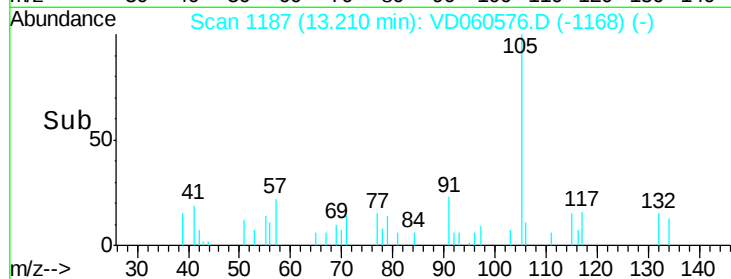
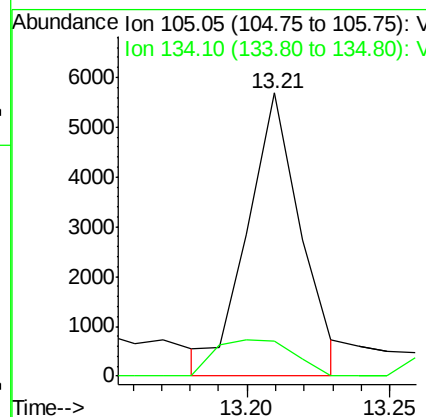
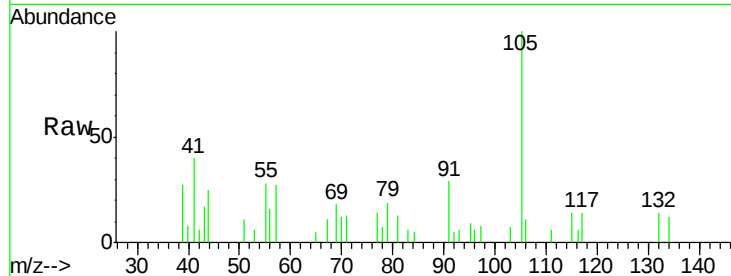
#85
 sec-Butylbenzene
 Concen: 5.691 ug/l m
 RT: 13.21 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: VD060576.D
 Acq: 14 Dec 2018 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-B

Tgt Ion:105 Resp: 7414
 Ion Ratio Lower Upper
 105 100
 134 12.3 7.9 23.7

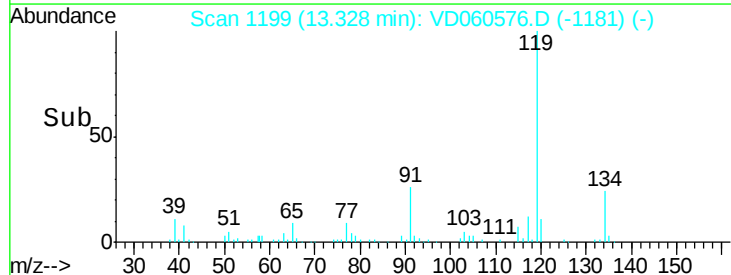
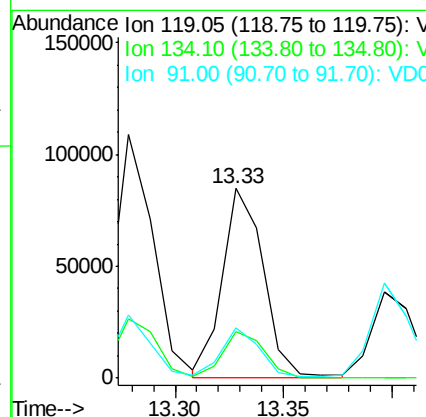
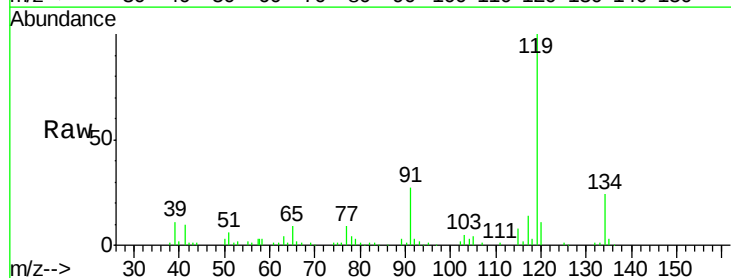
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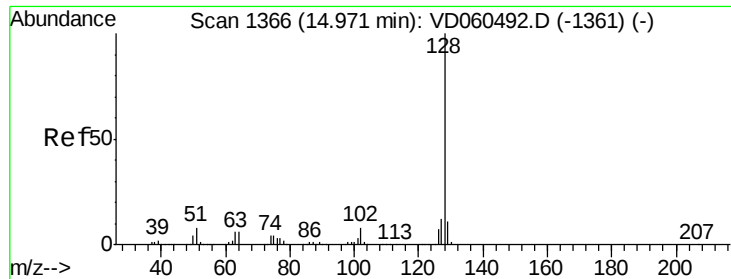
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#86
 p-Isopropyltoluene
 Concen: 108.504 ug/l
 RT: 13.33 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VD060576.D
 Acq: 14 Dec 2018 16:33

Tgt Ion:119 Resp: 112050
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.5 37.5
 91 26.7 11.5 34.4





#95
Naphthalene
Concen: 18820.999 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VD060576.D
Acq: 14 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
TP-3-B

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.8	14.8
129	11.4	8.6	13.0

Manual Integrations
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