

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121418\
 Data File : VD060575.D
 Acq On : 14 Dec 2018 16:05
 Operator : VA/AP
 Sample : J6403-17
 Misc : 3.71g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-A

Manual Integrations
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 12/15/2018 3:25:13 PM

Quant Time: Dec 14 22:59:40 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	104078	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	171650	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	148953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	65596	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	91308	123.77	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	247.54%	
35) Dibromofluoromethane	6.30	113	87141	69.12	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	138.24%	
50) Toluene-d8	9.44	98	170799	46.81	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.62%	
62) 4-Bromofluorobenzene	12.42	95	65333	50.04	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.08%	
Target Compounds						
					Qvalue	
16) Acetone	3.16	43	39769	336.321	ug/l	97
20) Methylene Chloride	3.71	84	7377	2.550	ug/l #	87
40) Benzene	6.78	78	20408	4.759	ug/l	95
52) Toluene	9.53	92	46157	17.222	ug/l	98
67) Ethyl Benzene	11.41	91	221835	41.272	ug/l	96
68) m/p-Xylenes	11.56	106	31623	15.903	ug/l	87
69) o-Xylene	11.92	106	64242	33.900	ug/l	83
70) Styrene	11.94	104	18459	6.068	ug/l #	86
73) Isopropylbenzene	12.27	105	139587	30.072	ug/l	99
78) n-propylbenzene	12.63	91	31084	5.298	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	518495	146.183	ug/l	98
84) 1,2,4-Trimethylbenzene	13.08	105	1715523	467.114	ug/l	100
85) sec-Butylbenzene	13.21	105	23841m	4.810	ug/l	
86) p-Isopropyltoluene	13.33	119	370249	94.230	ug/l	95
95) Naphthalene	14.97	128	12353349	7357.688	ug/l	97

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

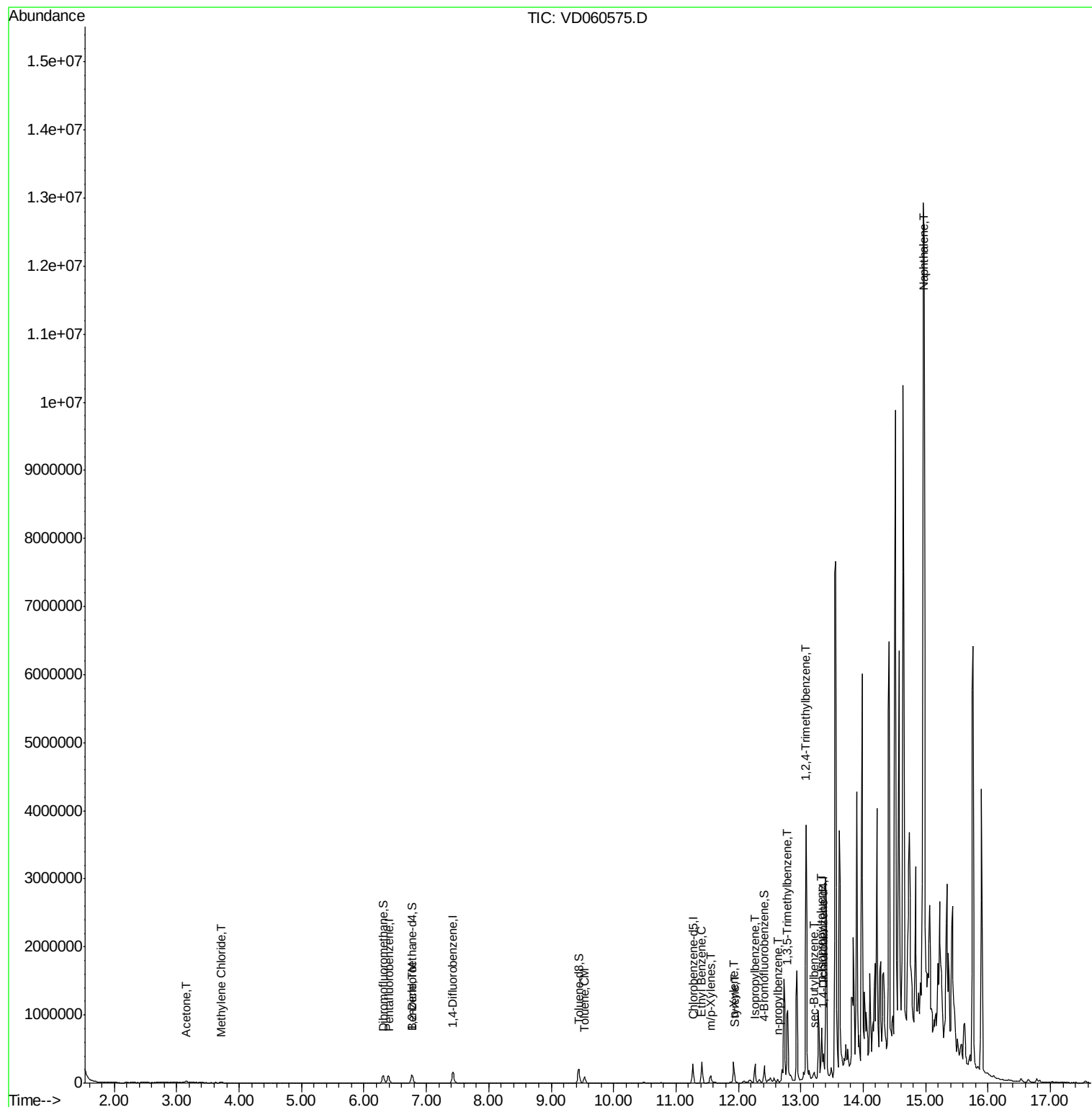
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD121418\
Data File : VD060575.D
Acq On : 14 Dec 2018 16:05
Operator : VA/AP
Sample : J6403-17
Misc : 3.71g/5ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

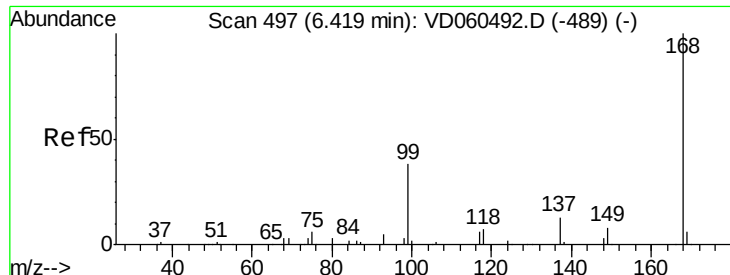
Instrument :
MSVOA_D
ClientSampleId :
TP-3-A

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Quant Time: Dec 14 22:59:40 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# 495

Delta R.T. -0.03 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

Instrument :

MSVOA_D

ClientSampleId :

TP-3-A

Tgt Ion:168 Resp: 104078

Ion Ratio Lower Upper

168 100

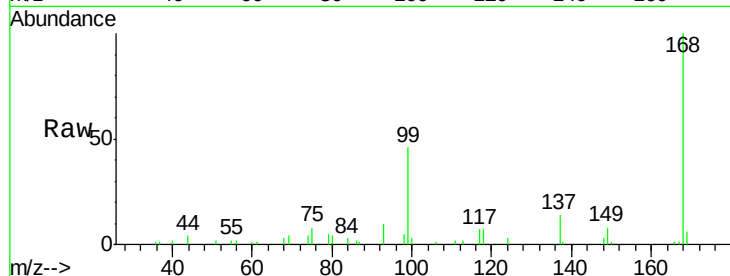
99 45.5 35.6 53.4

Manual Integrations

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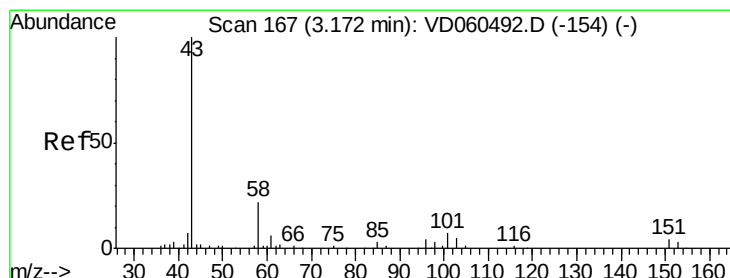
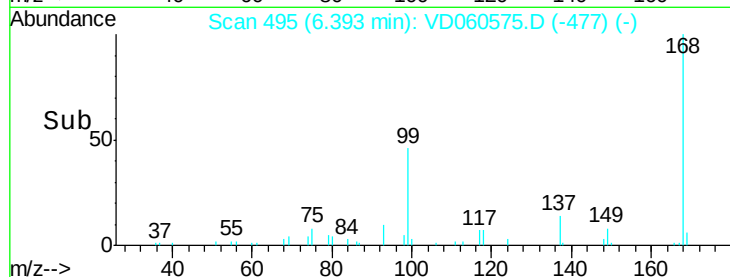
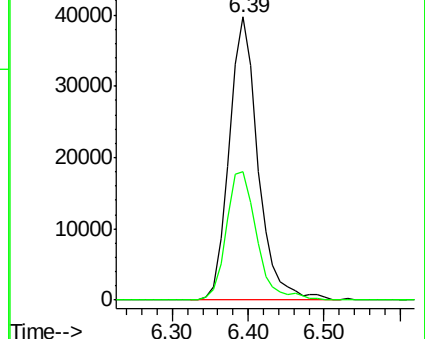
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 336.321 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.02 min

Lab File: VD060575.D

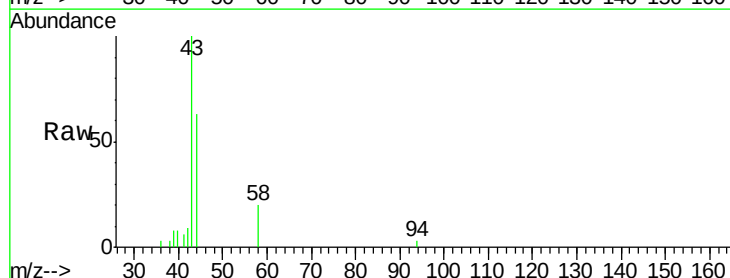
Acq: 14 Dec 2018 16:05

Tgt Ion: 43 Resp: 39769

Ion Ratio Lower Upper

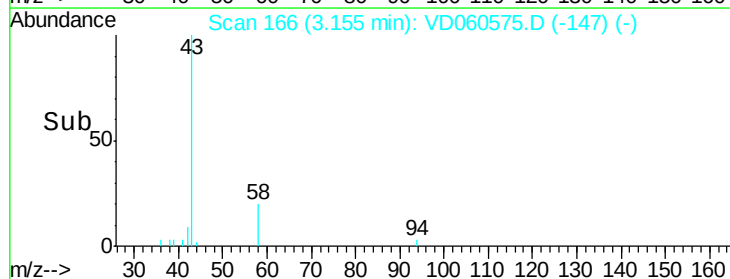
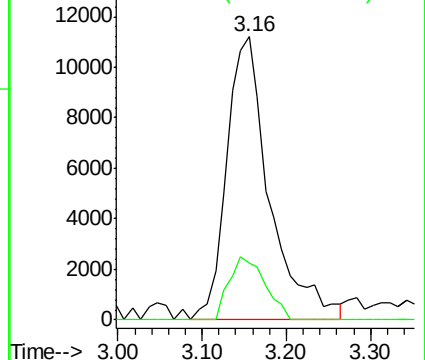
43 100

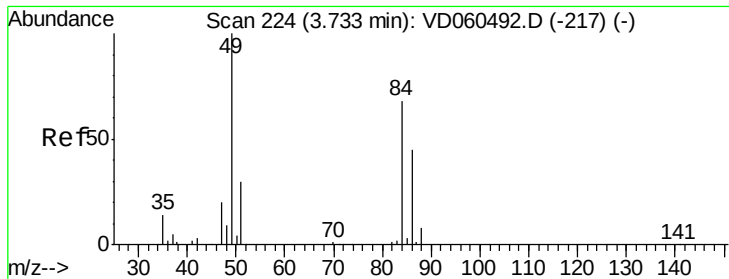
58 20.3 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





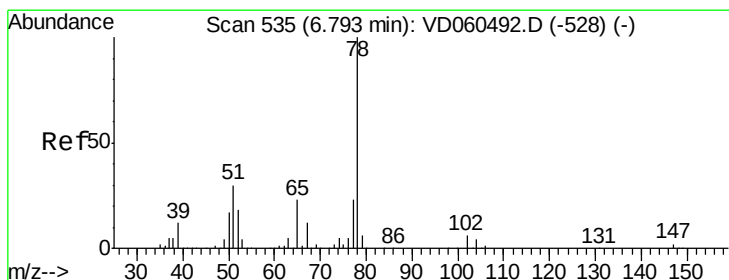
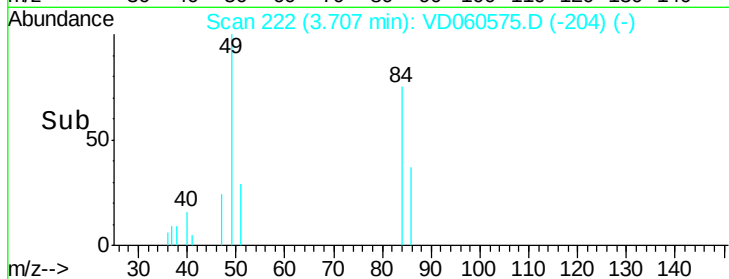
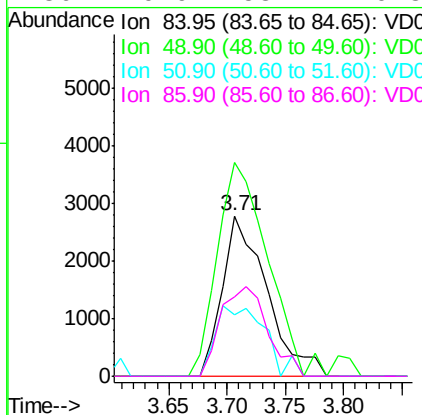
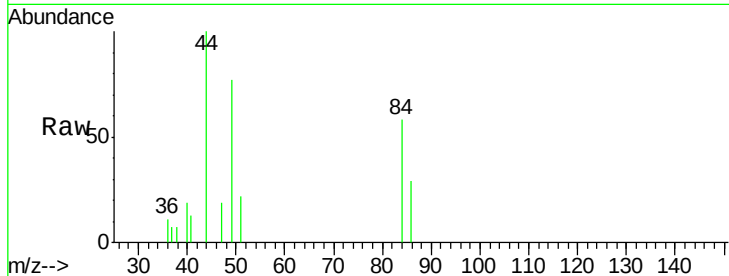
#20
Methylene Chloride
Concen: 2.550 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.03 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

Instrument :
MSVOA_D
ClientSampled :
TP-3-A

Tgt Ion:	84	Resp:	7377
Ion	Ratio	Lower	Upper
84	100		
49	133.2	117.2	175.8
51	38.7	35.3	52.9
86	49.9	53.2	79.8#

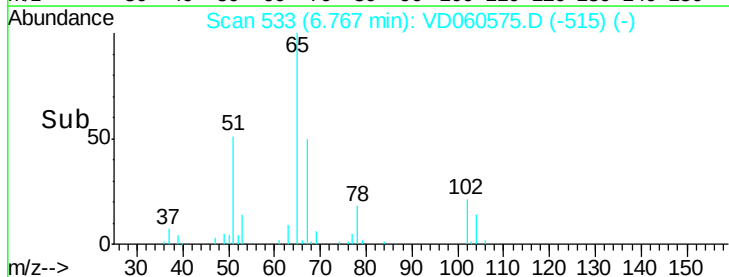
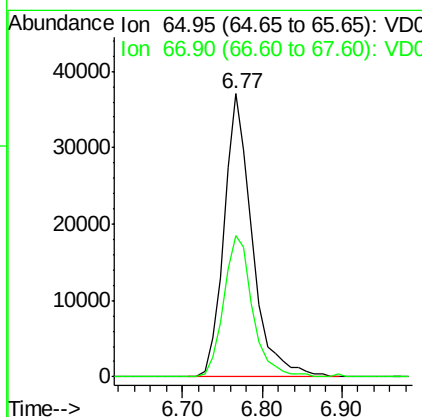
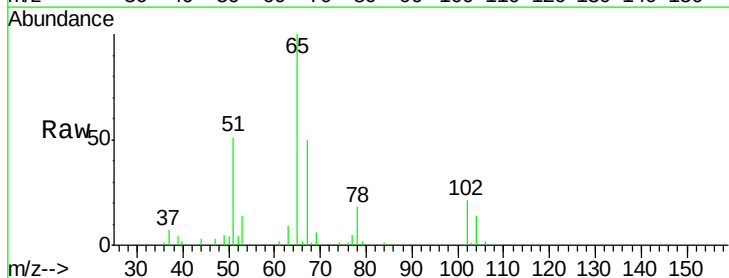
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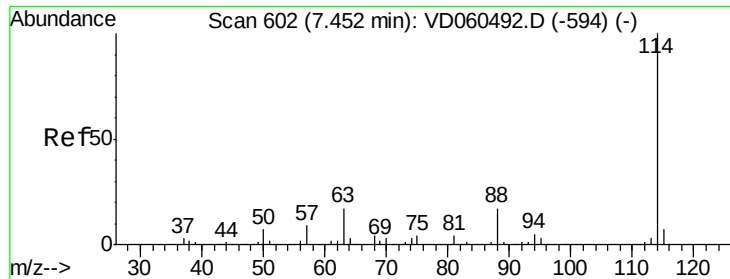
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#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.03 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

Tgt Ion:	65	Resp:	91308
Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	106.8





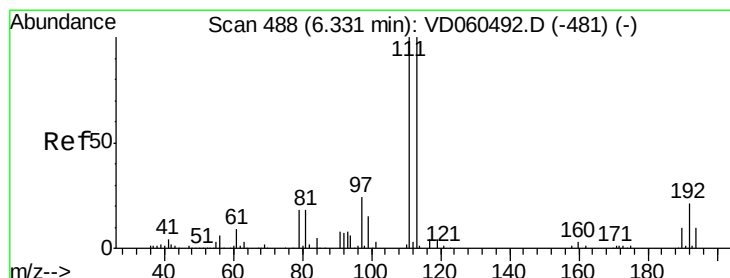
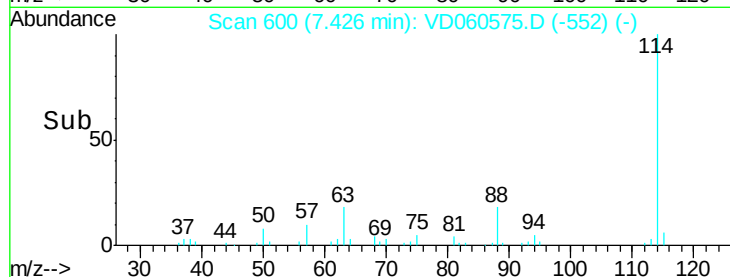
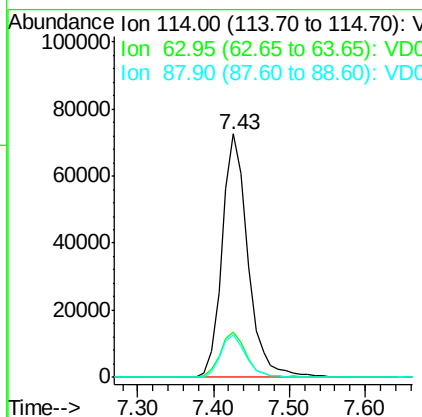
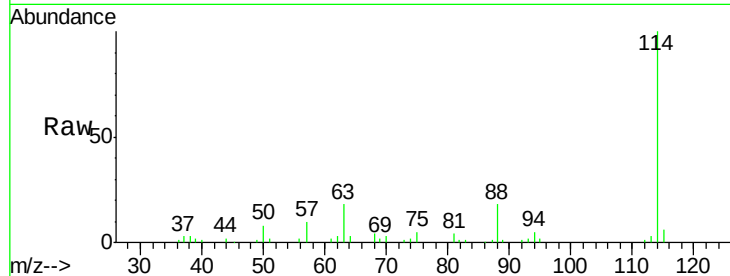
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: VD060575.D
 Acq: 14 Dec 2018 16:05

Instrument :
 MSVOA_D
 ClientSampleID :
 TP-3-A

Tgt Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	18.4	0.0	34.2
88	17.6	0.0	35.0

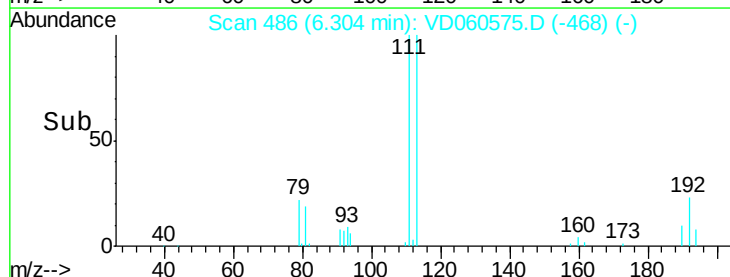
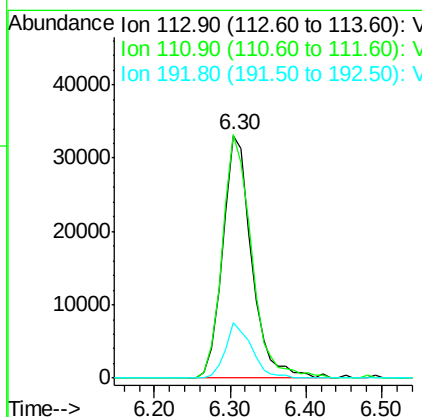
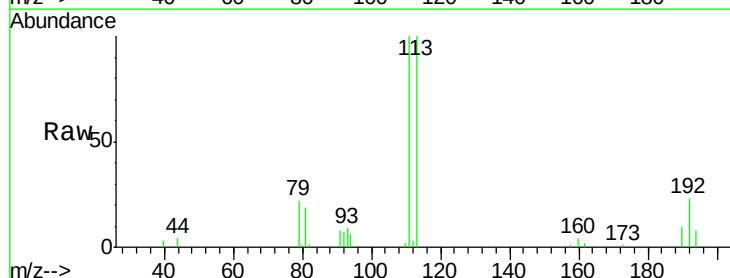
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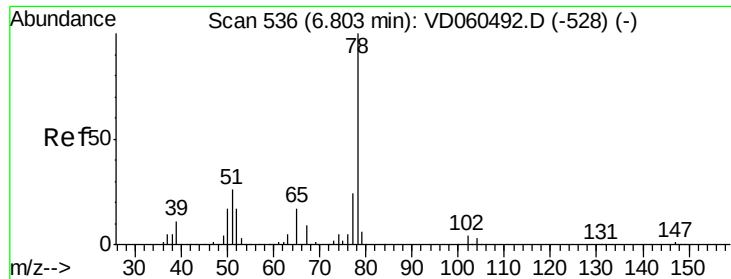
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#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: VD060575.D
 Acq: 14 Dec 2018 16:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
111	100.4	80.2	120.4
192	23.1	16.6	24.8





#40

Benzene

Concen: 4.759 ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.03 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

Instrument :

MSVOA_D

ClientSampleId :

TP-3-A

Tgt Ion: 78 Resp: 20408

Ion Ratio Lower Upper

78 100

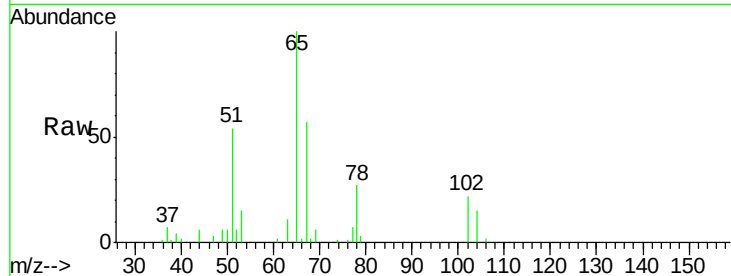
77 25.9 18.9 28.3

Manual Integrations

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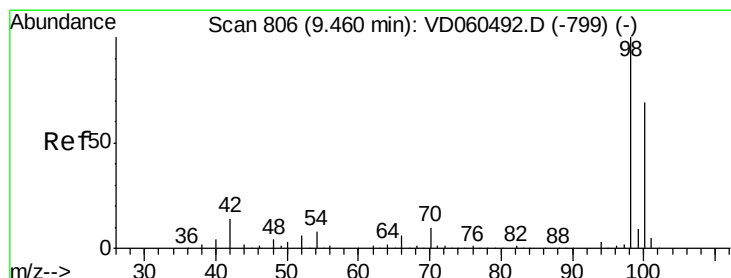
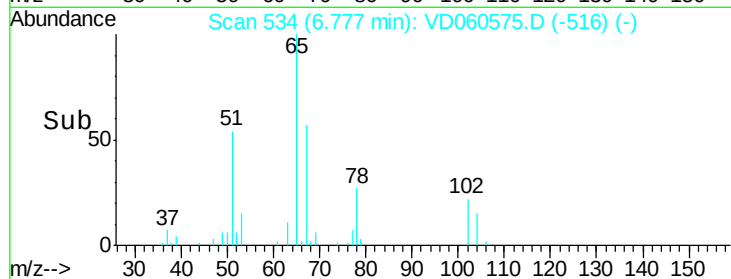
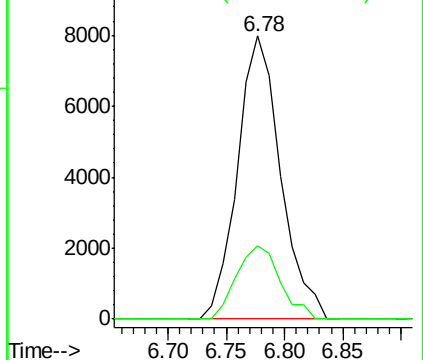
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Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.44 min Scan# 805

Delta R.T. -0.02 min

Lab File: VD060575.D

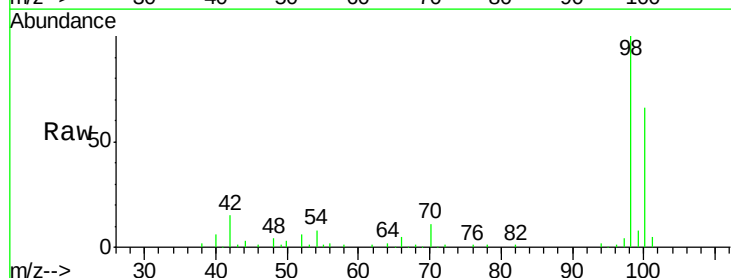
Acq: 14 Dec 2018 16:05

Tgt Ion: 98 Resp: 170799

Ion Ratio Lower Upper

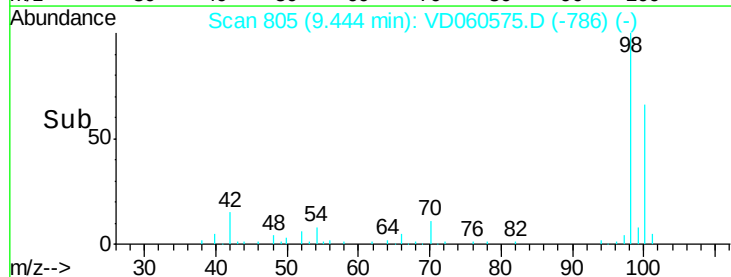
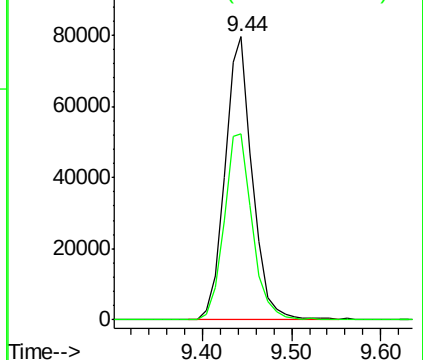
98 100

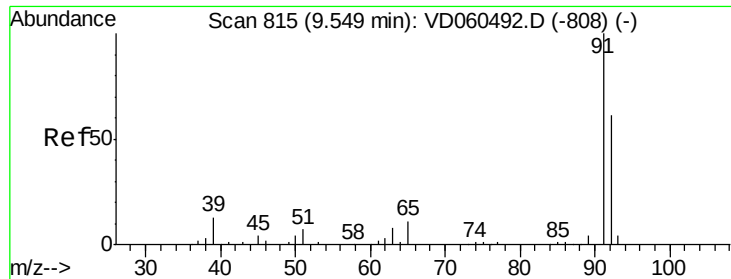
100 65.9 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 17.222 ug/l

RT: 9.53 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

Instrument :

MSVOA_D

ClientSampled :

TP-3-A

Tgt Ion: 92 Resp: 46157

Ion Ratio Lower Upper

92 100

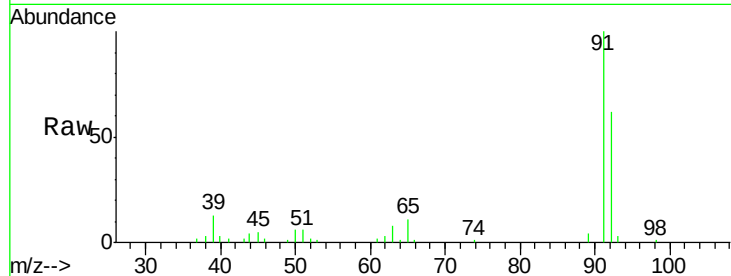
91 162.3 131.7 197.5

Manual Integrations

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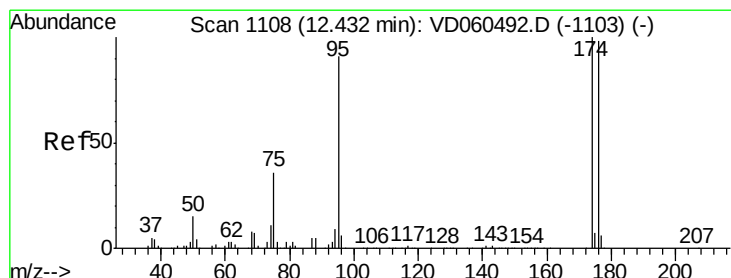
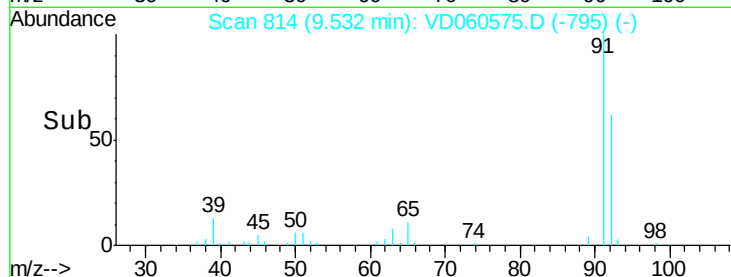
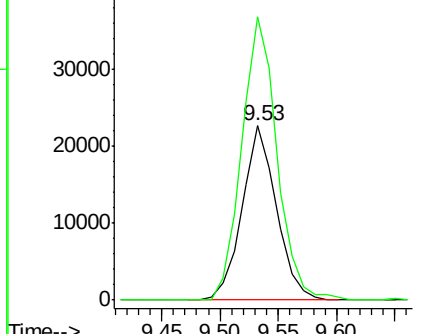
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Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

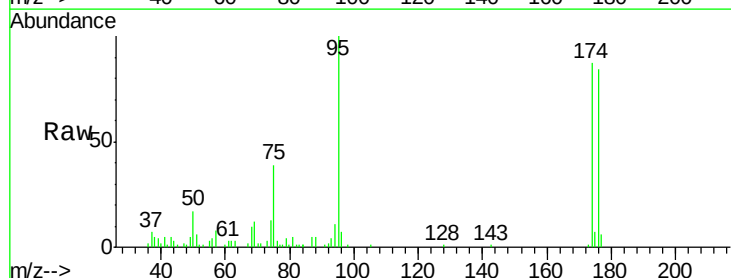
Tgt Ion: 95 Resp: 65333

Ion Ratio Lower Upper

95 100

174 87.4 0.0 219.4

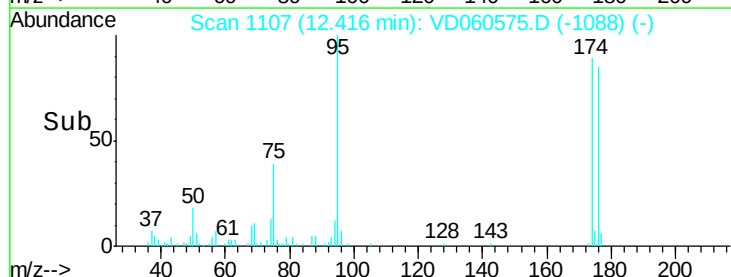
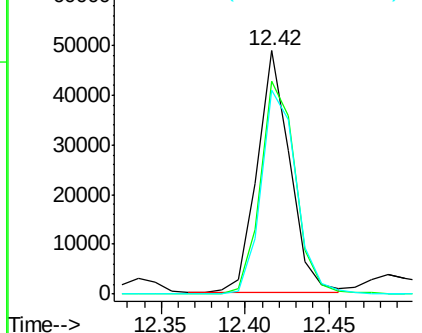
176 83.7 0.0 214.6

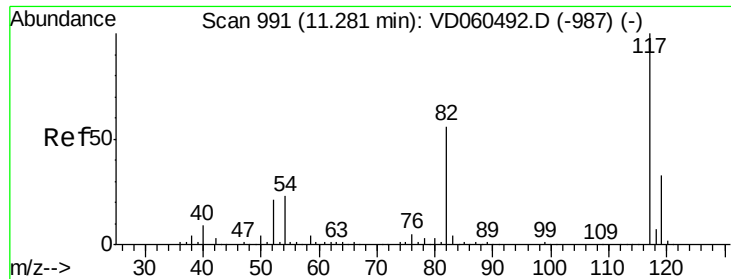


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





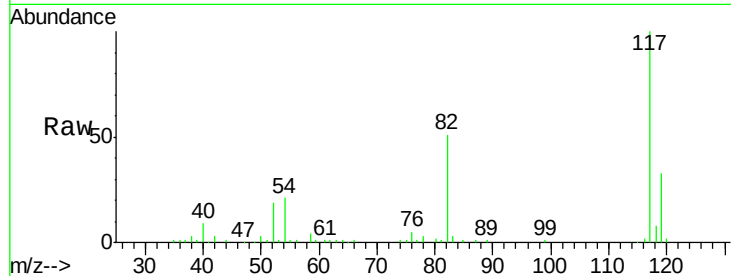
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. -0.01 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

Instrument :
MSVOA_D
ClientSampleId :
TP-3-A

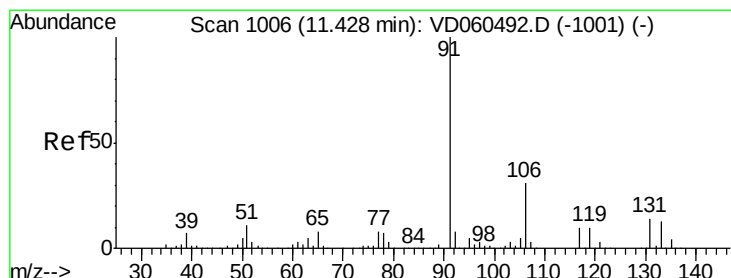
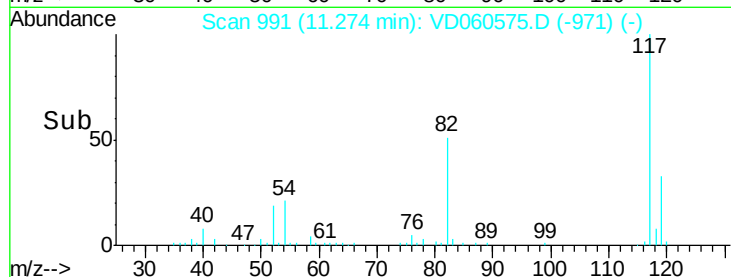
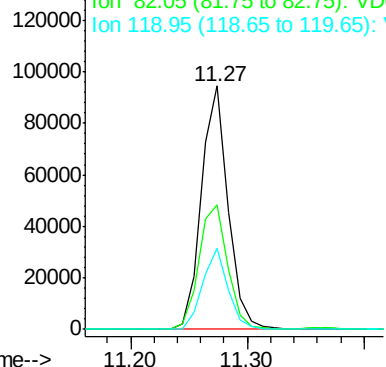
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.4	45.2	67.8
119	33.4	26.1	39.1

Manual Integrations
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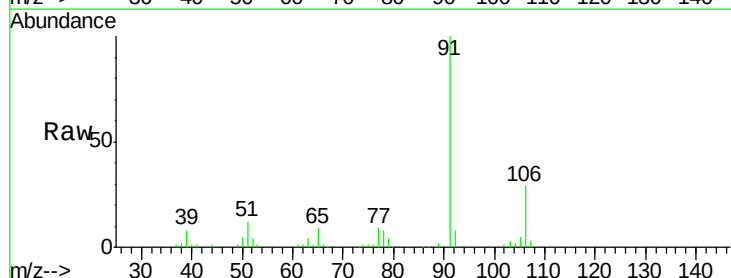


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VDC
Ion 118.95 (118.65 to 119.65): V

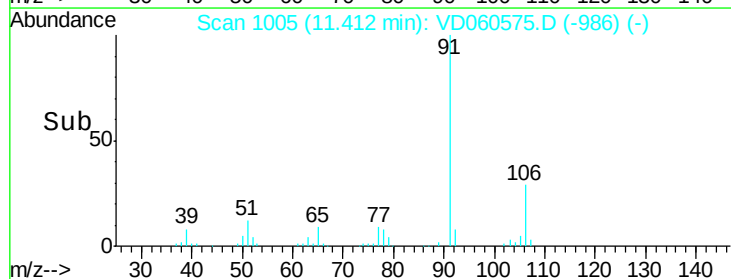
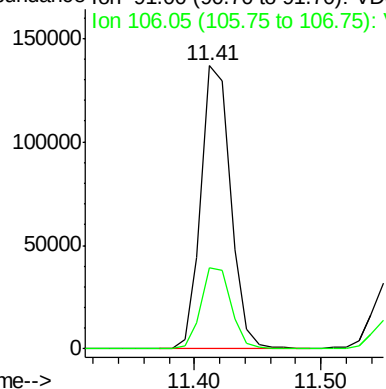


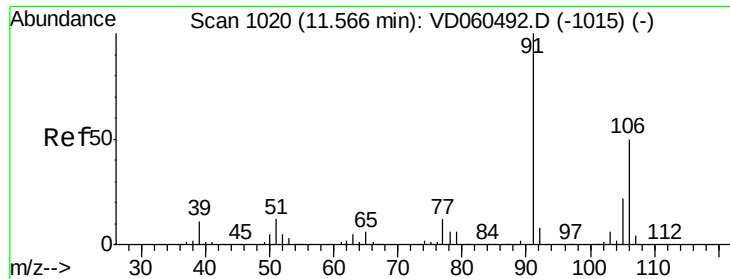
#67
Ethyl Benzene
Concen: 41.272 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.02 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.6	24.6	37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V





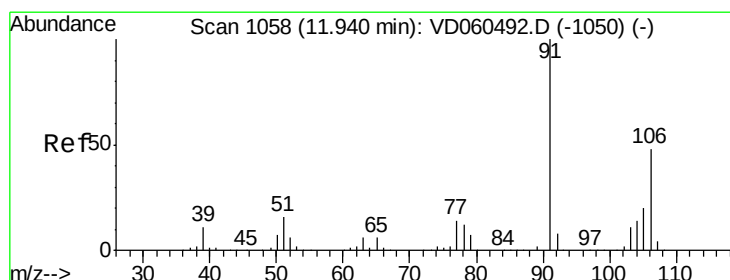
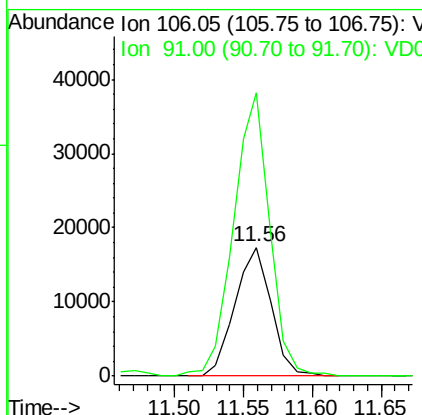
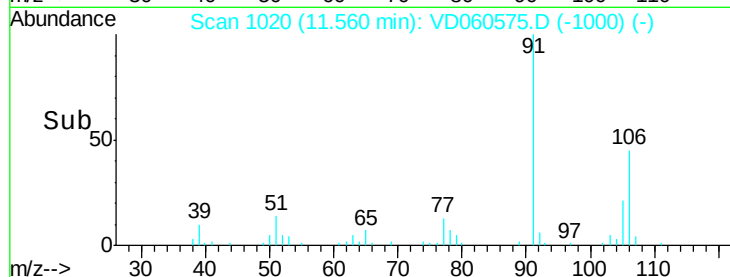
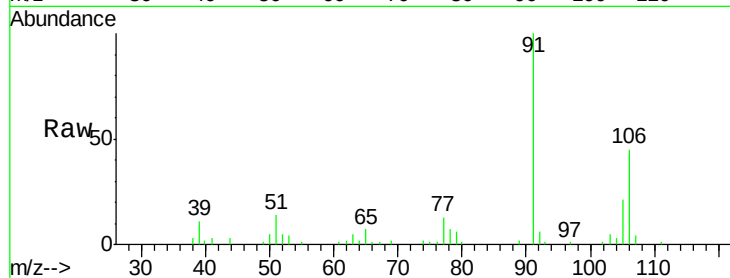
#68
m/p-Xylenes
Concen: 15.903 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

Instrument :
MSVOA_D
ClientSampled :
TP-3-A

Tgt Ion:106 Resp: 31623
Ion Ratio Lower Upper
106 100
91 220.3 160.5 240.7

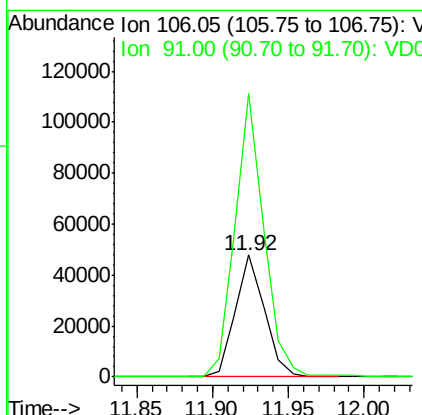
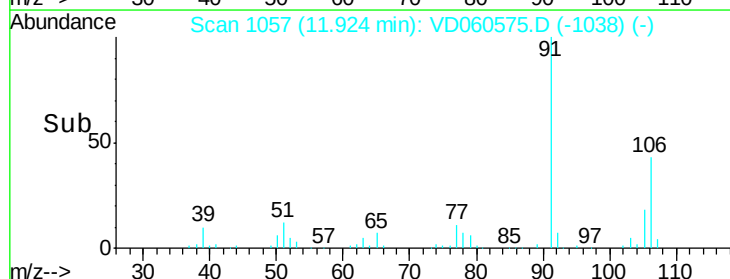
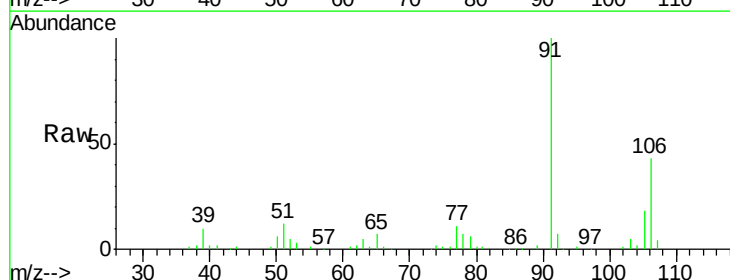
Manual Integrations
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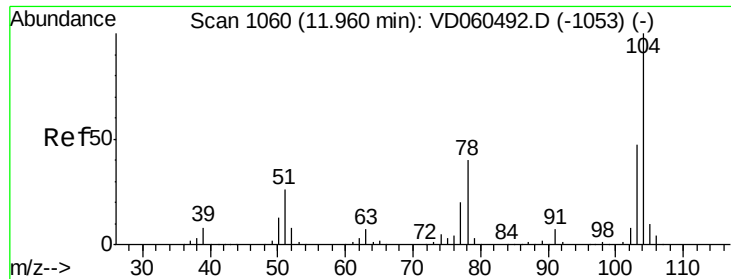
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#69
o-Xylene
Concen: 33.900 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

Tgt Ion:106 Resp: 64242
Ion Ratio Lower Upper
106 100
91 232.4 103.4 310.1





#70

Styrene

Concen: 6.068 ug/l

RT: 11.94 min Scan# 1059

Delta R.T. -0.02 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

Instrument :

MSVOA_D

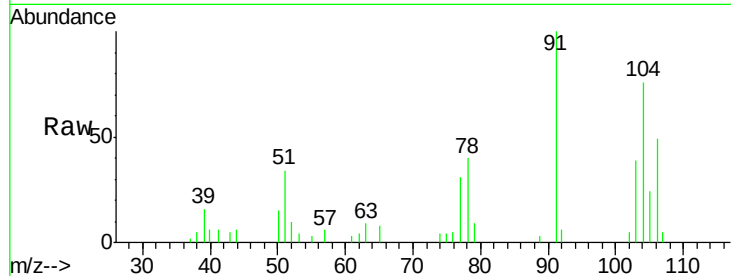
ClientSampled :

TP-3-A

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	18459		
78	53.4	32.1	48.1	#
103	51.3	37.2	55.8	

Manual Integrations
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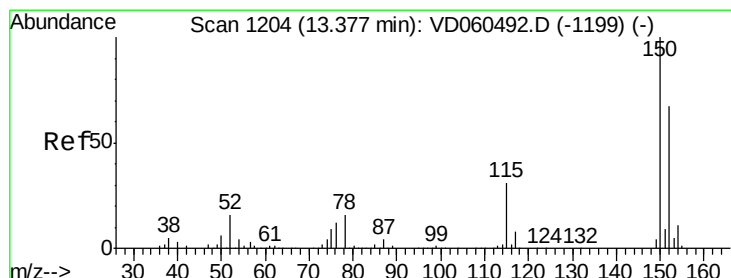
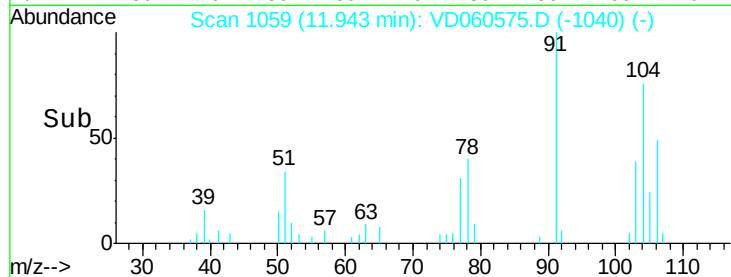
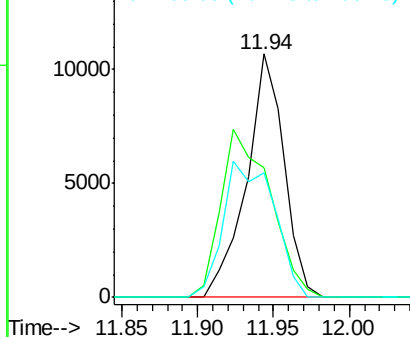
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Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

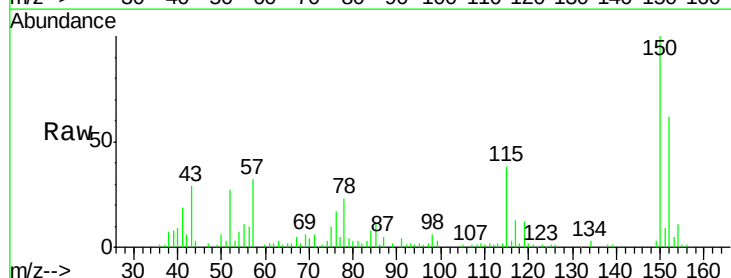
RT: 13.36 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

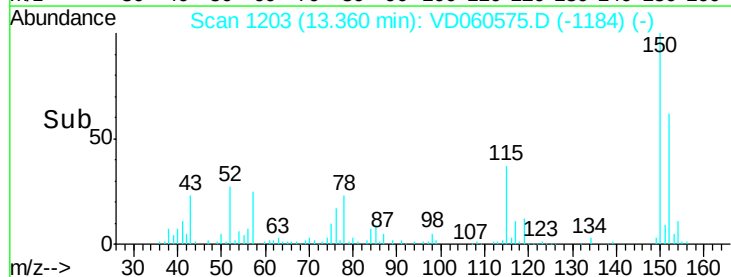
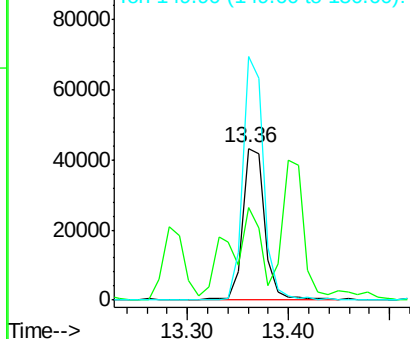
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	65596		
115	60.9	24.6	74.0	
150	160.7	0.0	309.0	

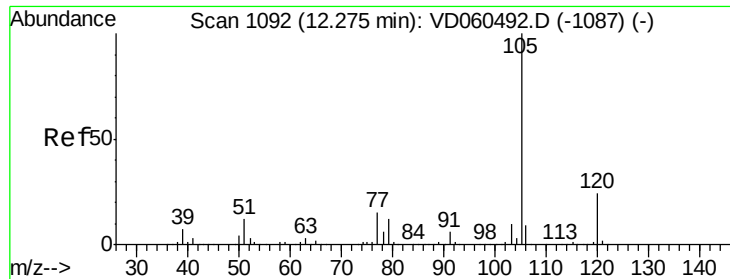


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 30.072 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

Instrument :

MSVOA_D

ClientSampleId :

TP-3-A

Tgt Ion: 105 Resp: 139587

Ion Ratio Lower Upper

105 100

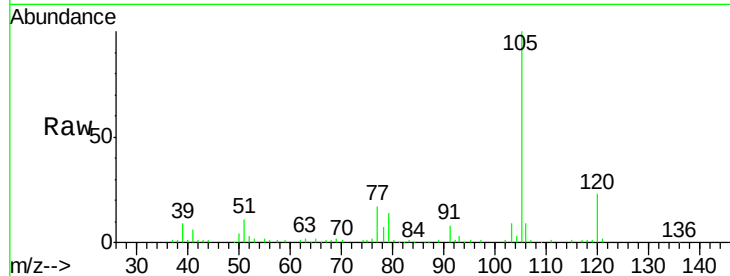
120 23.2 11.9 35.9

Manual Integrations

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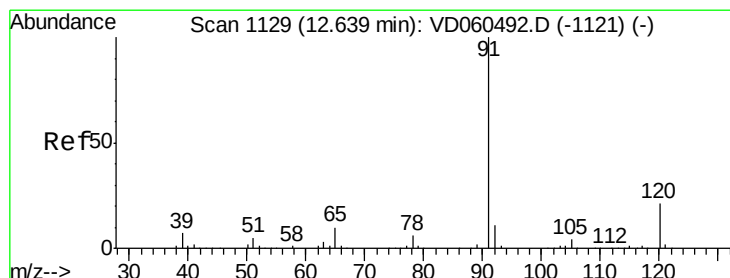
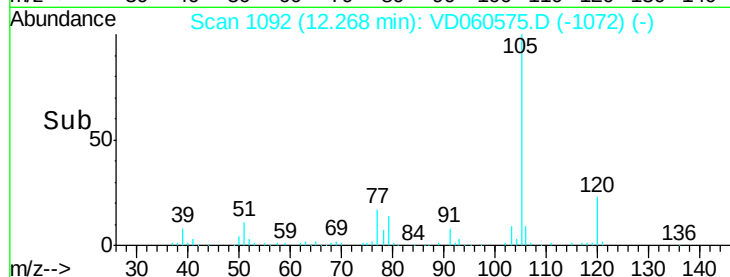
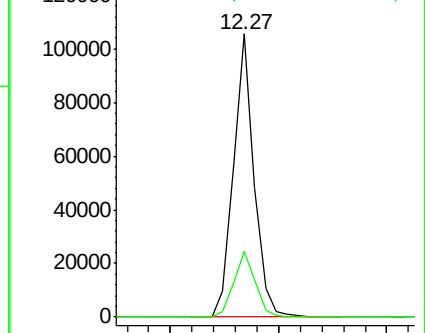
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#78

n-propylbenzene

Concen: 5.298 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD060575.D

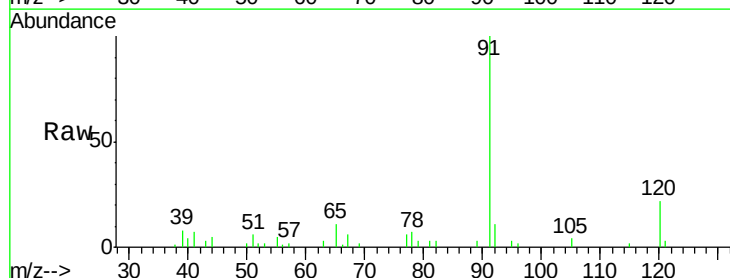
Acq: 14 Dec 2018 16:05

Tgt Ion: 91 Resp: 31084

Ion Ratio Lower Upper

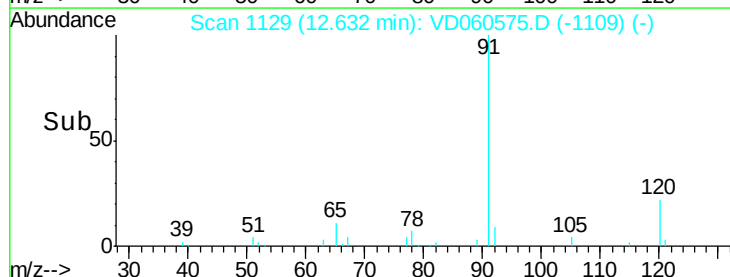
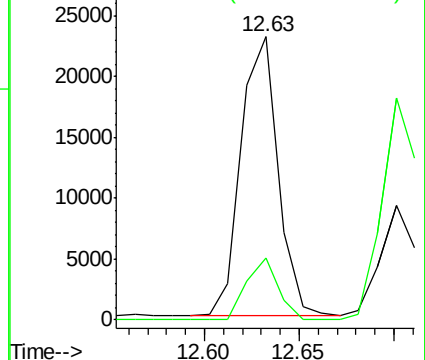
91 100

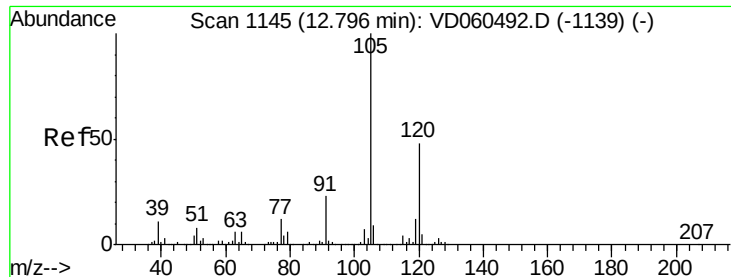
120 21.9 10.4 31.1



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: 146.183 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

Instrument :

MSVOA_D

ClientSampled :

TP-3-A

Tgt Ion:105 Resp: 518495

Ion Ratio Lower Upper

105 100

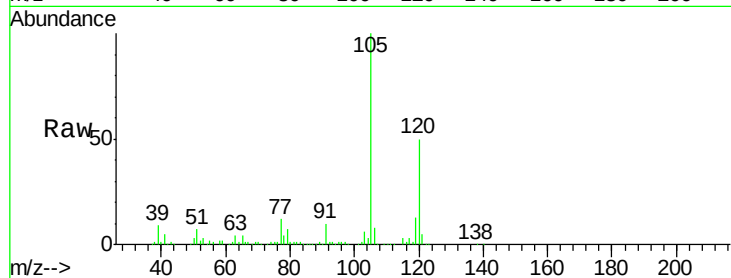
120 49.7 24.2 72.6

Manual Integrations

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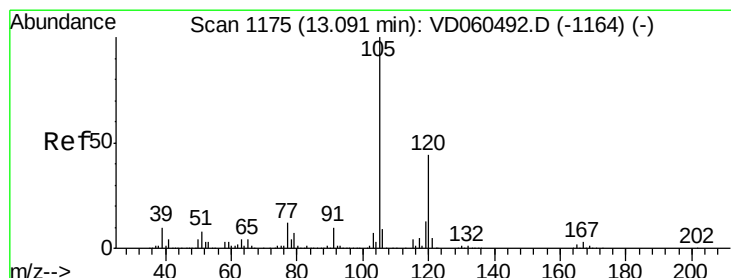
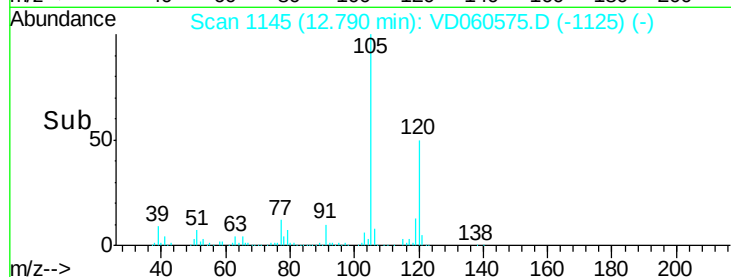
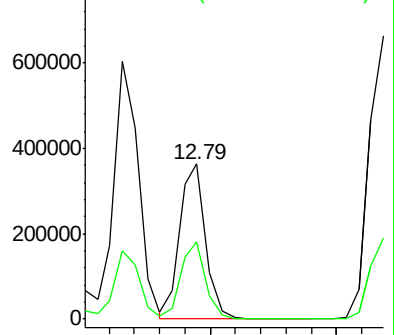
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#84

1,2,4-Trimethylbenzene

Concen: 467.114 ug/l

RT: 13.08 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VD060575.D

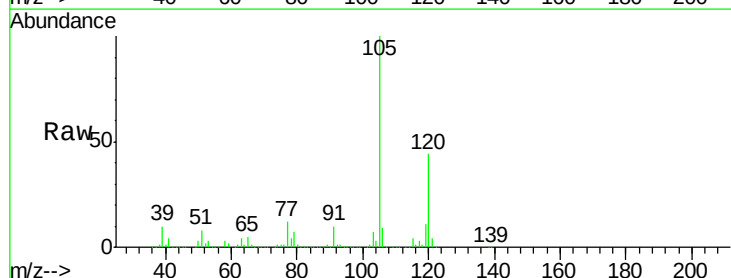
Acq: 14 Dec 2018 16:05

Tgt Ion:105 Resp: 1715523

Ion Ratio Lower Upper

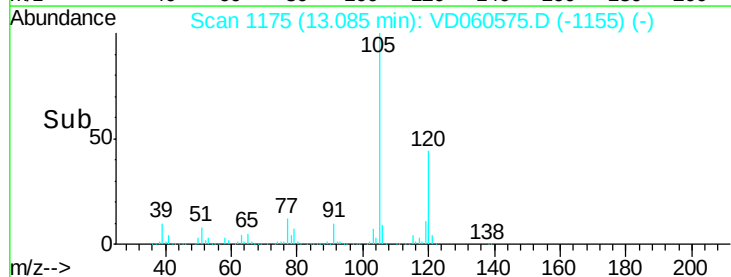
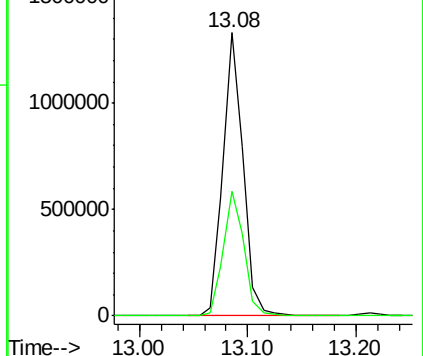
105 100

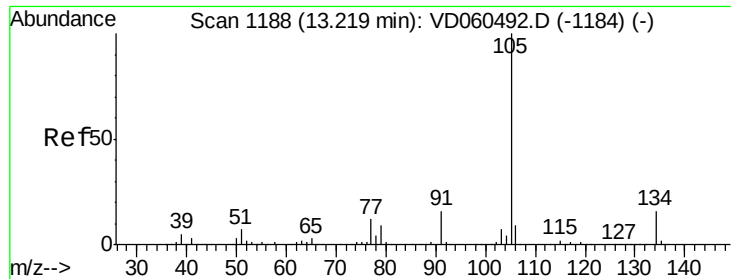
120 44.2 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





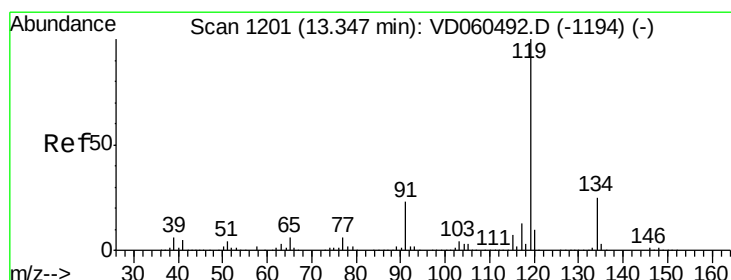
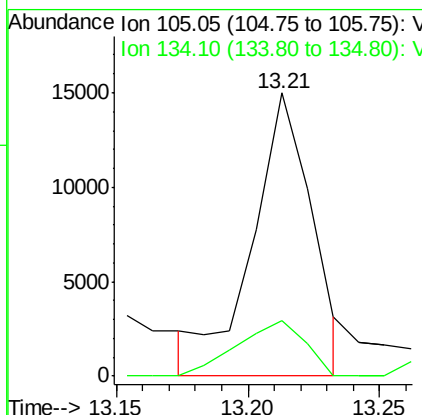
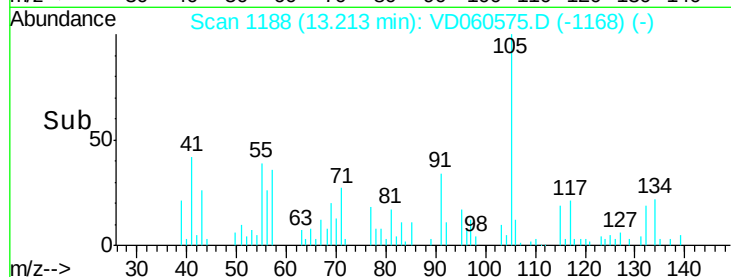
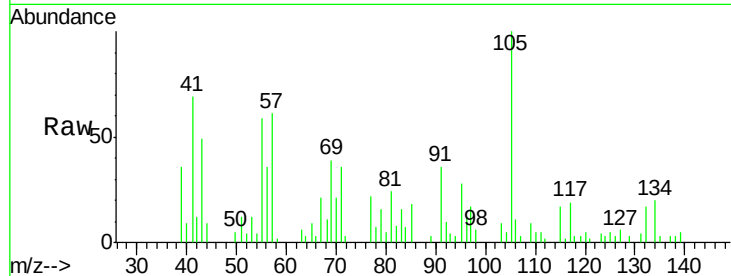
#85
 sec-Butylbenzene
 Concen: 4.810 ug/l m
 RT: 13.21 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: VD060575.D
 Acq: 14 Dec 2018 16:05

Instrument :
 MSVOA_D
 ClientSampled :
 TP-3-A

Tgt Ion:105 Resp: 23841
 Ion Ratio Lower Upper
 105 100
 134 19.8 7.9 23.7

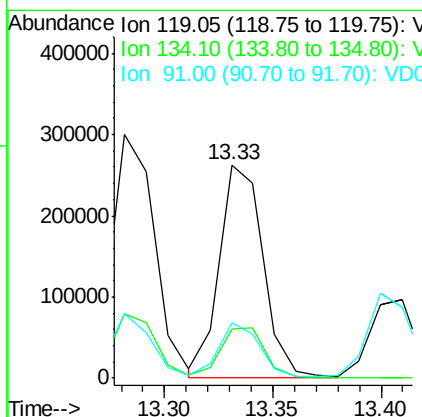
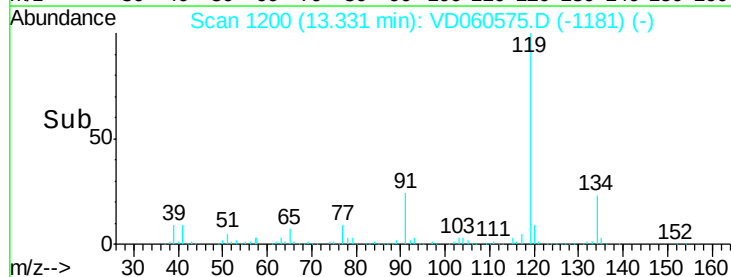
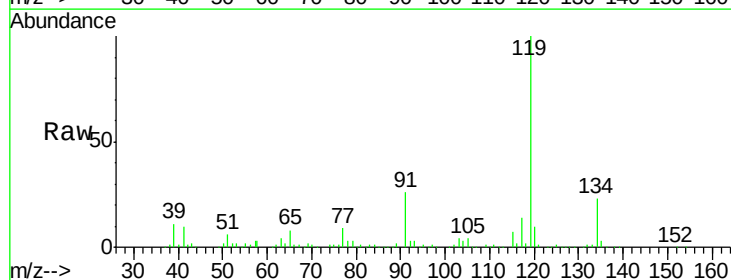
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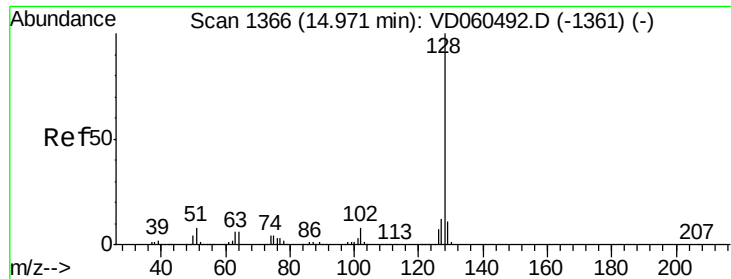
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#86
 p-Isopropyltoluene
 Concen: 94.230 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VD060575.D
 Acq: 14 Dec 2018 16:05

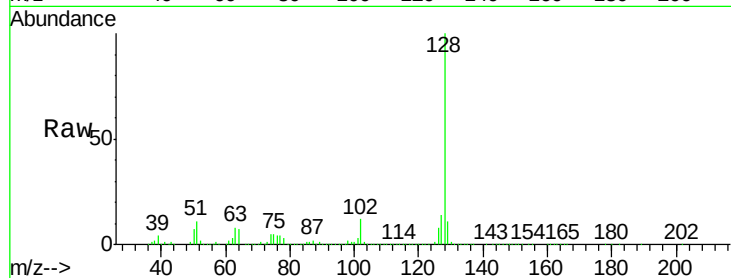
Tgt Ion:119 Resp: 370249
 Ion Ratio Lower Upper
 119 100
 134 23.1 12.5 37.5
 91 26.2 11.5 34.4





#95
 Naphthalene
 Concen: 7357.688 ug/l
 RT: 14.97 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VD060575.D
 Acq: 14 Dec 2018 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-A



Tgt Ion:128 Resp:12353349

Ion	Ratio	Lower	Upper
128	100		
127	13.8	9.8	14.8
129	11.3	8.6	13.0

Manual Integrations
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