

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121318\
 Data File : VD060558.D
 Acq On : 13 Dec 2018 13:52
 Operator : VA/AP
 Sample : J6199-05
 Misc : 6.28g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-121218-A

Quant Time: Dec 14 16:24:56 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	1347633	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	1963974	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	1476993	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	649727	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	416501	43.60	ug/l	-0.03
Spiked Amount			Recovery	=	87.20%	
35) Dibromofluoromethane	6.30	113	556688	38.59	ug/l	-0.03
Spiked Amount			Recovery	=	77.18%	
50) Toluene-d8	9.43	98	1380730	33.08	ug/l	-0.03
Spiked Amount			Recovery	=	66.16%	
62) 4-Bromofluorobenzene	12.42	95	500487	33.51	ug/l	-0.02
Spiked Amount			Recovery	=	67.02%	

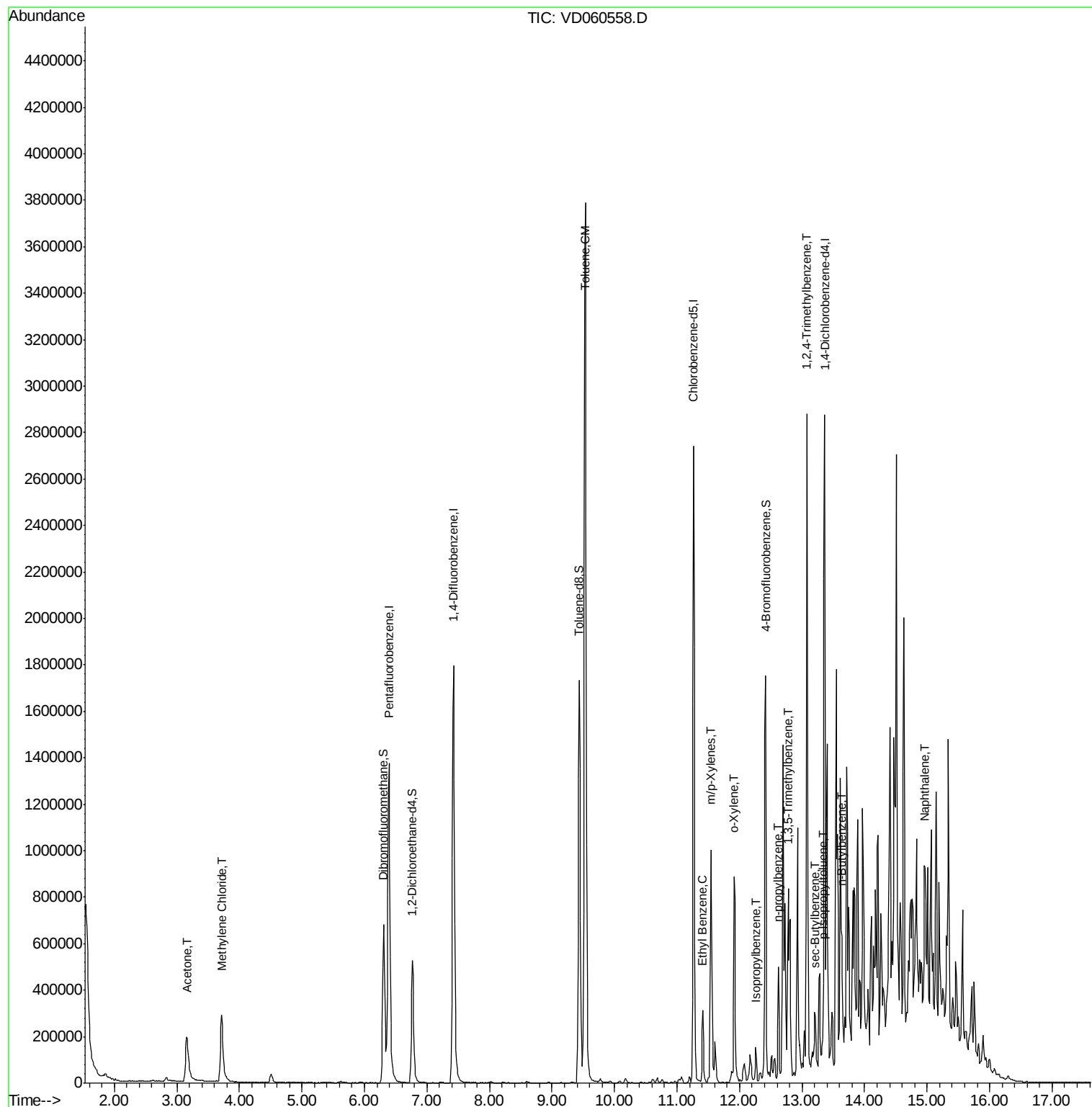
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.16	43	475631	310.646	ug/l	100
20) Methylene Chloride	3.72	84	197557	10.521	ug/l	98
52) Toluene	9.53	92	2131638	69.513	ug/l	98
67) Ethyl Benzene	11.41	91	208817	3.918	ug/l	95
68) m/p-Xylenes	11.54	106	300016	15.216	ug/l	95
69) o-Xylene	11.92	106	218712	11.639	ug/l	100
73) Isopropylbenzene	12.26	105	72035	1.567	ug/l	98
78) n-propylbenzene	12.62	91	312510	5.377	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	342819	9.758	ug/l	98
84) 1,2,4-Trimethylbenzene	13.07	105	1456726	40.045	ug/l	98
85) sec-Butylbenzene	13.20	105	103995	2.118	ug/l	99
86) p-Isopropyltoluene	13.33	119	58739	1.509	ug/l	98
89) n-Butylbenzene	13.64	91	251855	5.401	ug/l	94
95) Naphthalene	14.95	128	311170	18.711	ug/l	99

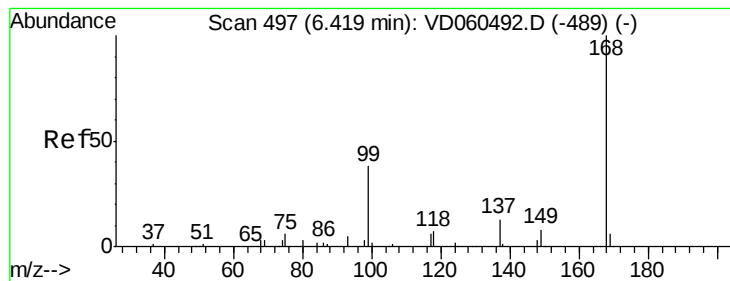
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD060558.D

Acq: 13 Dec 2018 13:52

Instrument :

MSVOA_D

ClientSampleId :

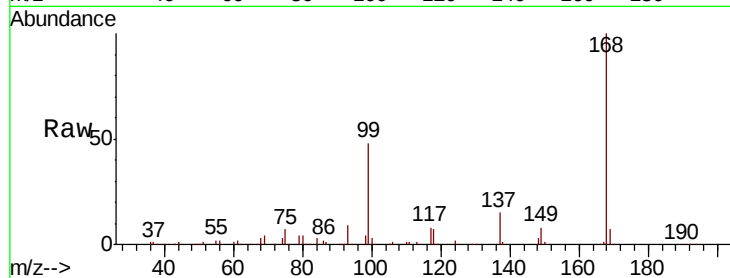
SU-04-121218-A

Tot Ion:168 Resp: 1347633

Ion Ratio Lower Upper

168 100

99 48.0 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

500000

400000

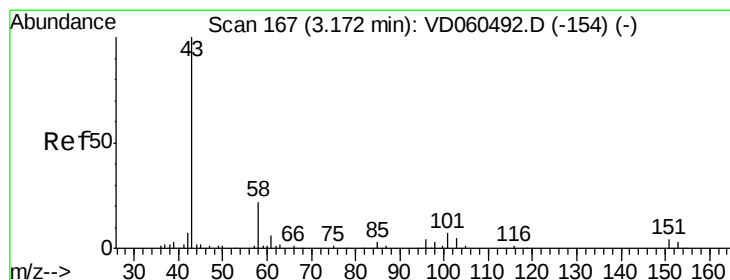
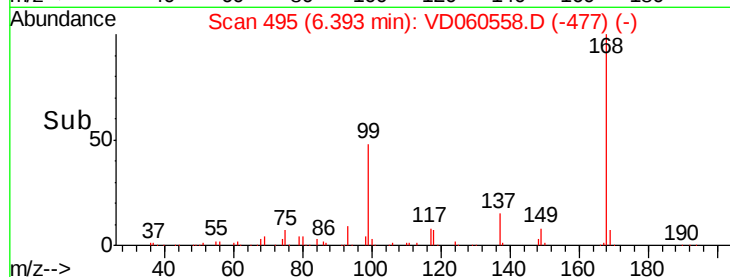
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#16

Acetone

Concen: 310.646 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.02 min

Lab File: VD060558.D

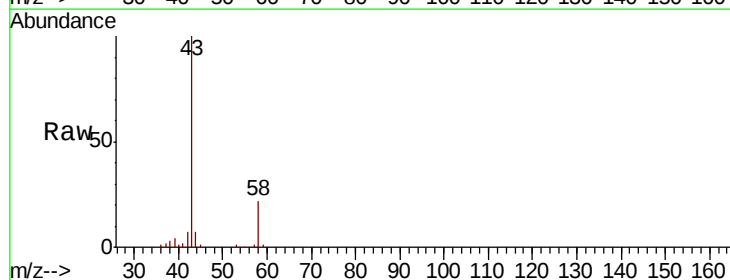
Acq: 13 Dec 2018 13:52

Tgt Ion: 43 Resp: 475631

Ion Ratio Lower Upper

43 100

58 21.7 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

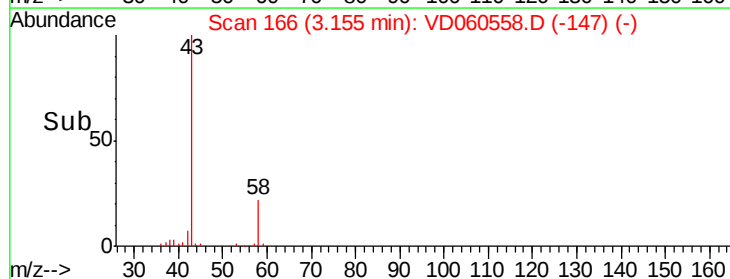
150000

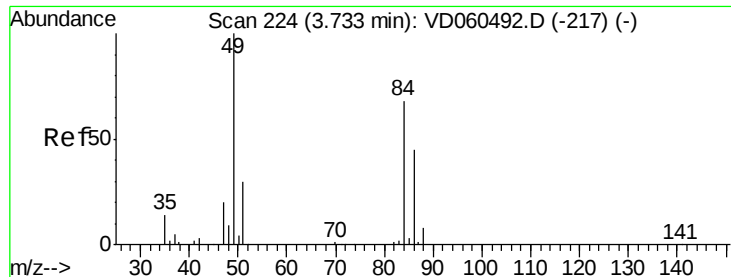
100000

50000

0

Time--> 3.00 3.10 3.20 3.30 3.40

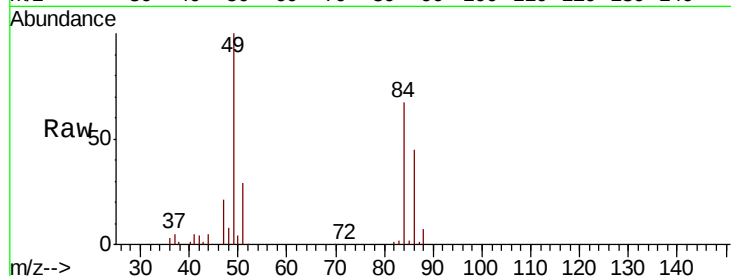




#20
Methvlene Chloride
Concen: 10.521 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument :
MSVOA_D
ClientSampleId :
SU-04-121218-A

Tot Ion	84	Resp	197557
Ion	Ratio	Lower	Upper
84	100		
49	149.0	117.2	175.8
51	43.1	35.3	52.9
86	67.1	53.2	79.8



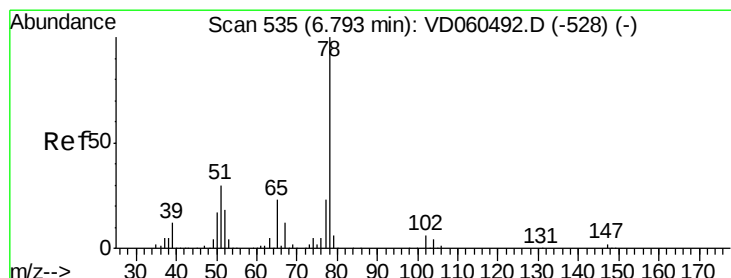
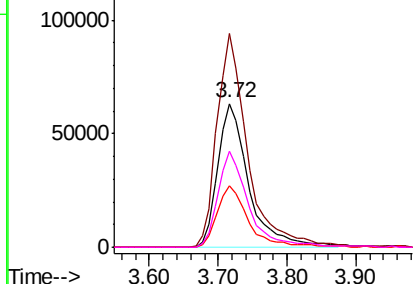
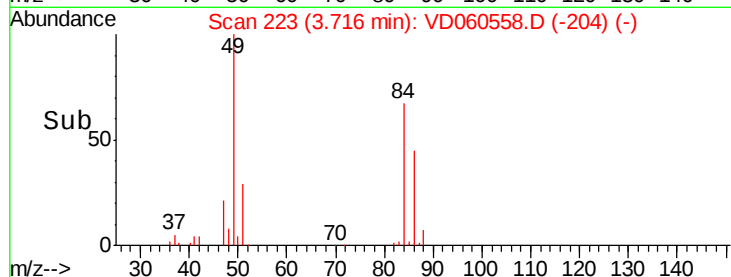
Abundance

Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

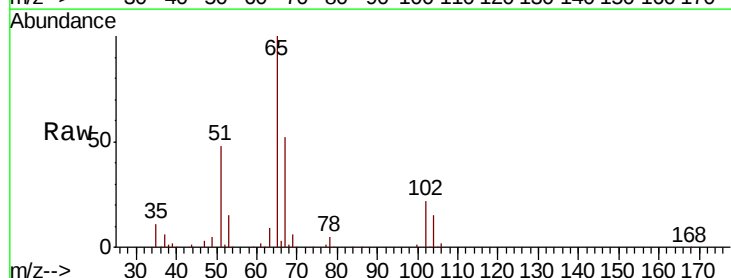
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.03 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

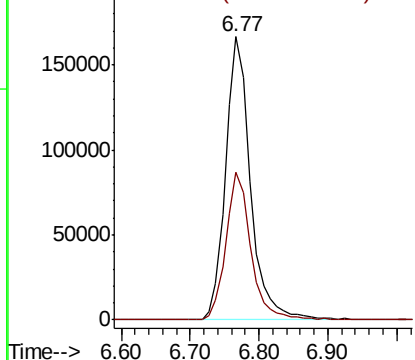
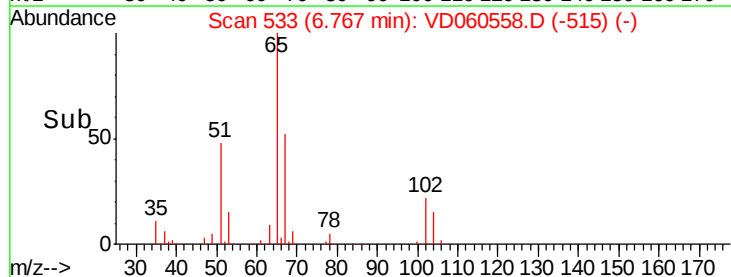
Tgt Ion	65	Resp	416501
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.8

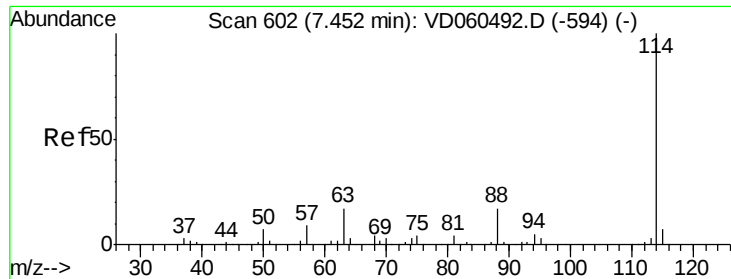


Abundance

Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

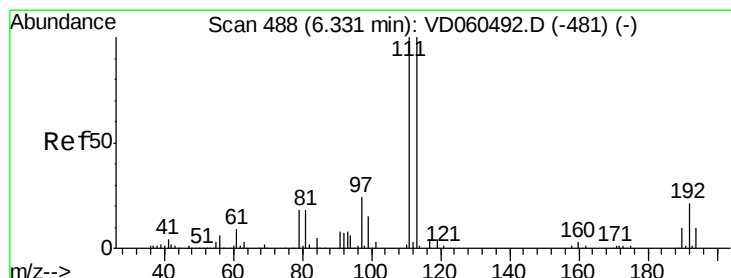
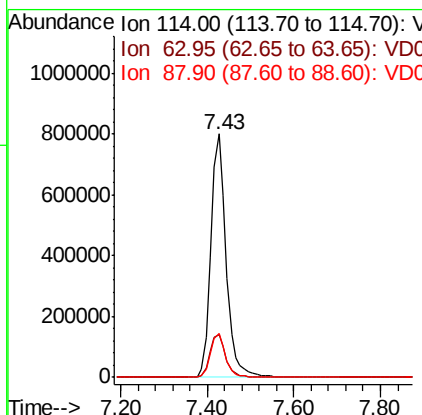
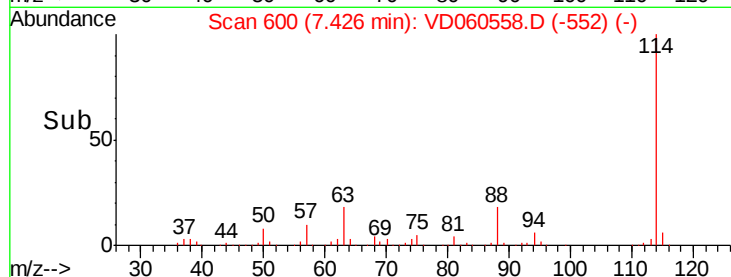
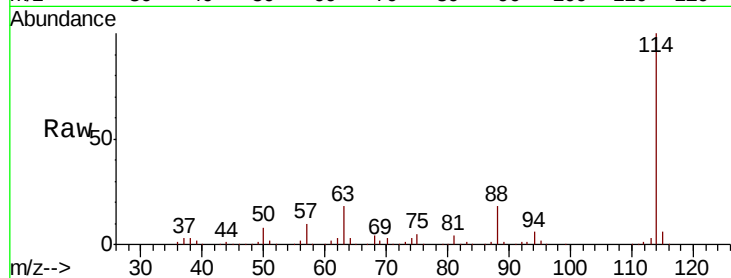




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: VD060558.D
 Acq: 13 Dec 2018 13:52

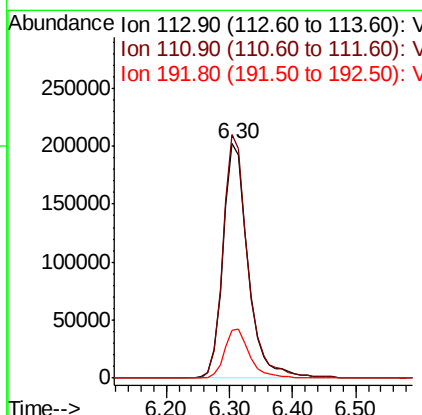
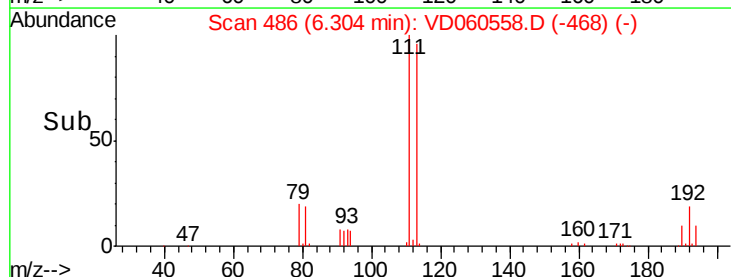
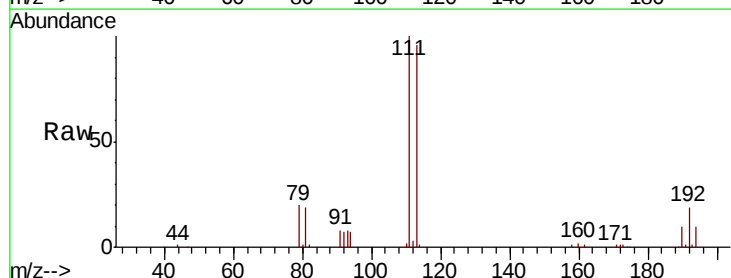
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-121218-A

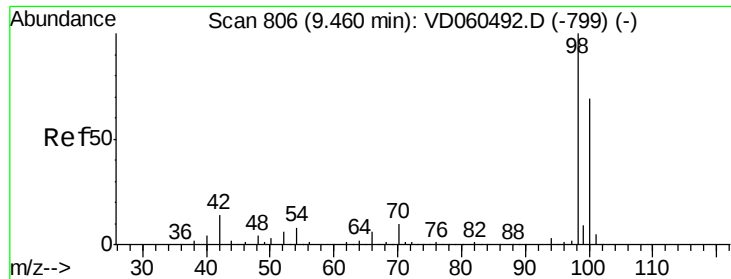
Tot Ion:114 Resp: 1963974
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 34.2
 88 18.0 0.0 35.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: VD060558.D
 Acq: 13 Dec 2018 13:52

Tgt Ion:113 Resp: 556688
 Ion Ratio Lower Upper
 113 100
 111 104.0 80.2 120.4
 192 20.2 16.6 24.8





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.43 min Scan# 804

Delta R.T. -0.03 min

Lab File: VD060558.D

Acq: 13 Dec 2018 13:52

Instrument :

MSVOA_D

ClientSampleId :

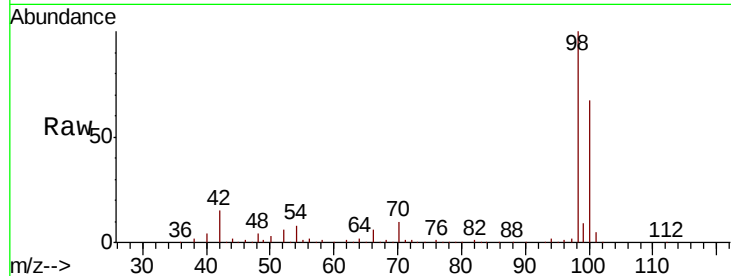
SU-04-121218-A

Tot Ion: 98 Resp: 1380730

Ion Ratio Lower Upper

98 100

100 67.3 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

9.43

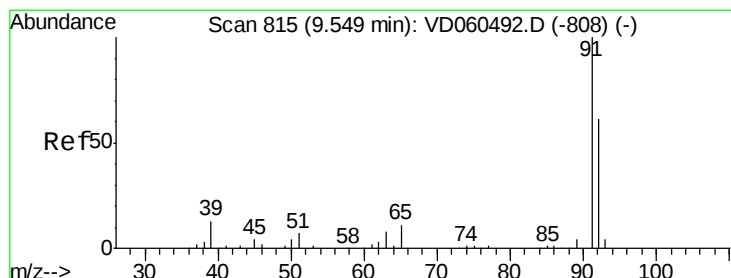
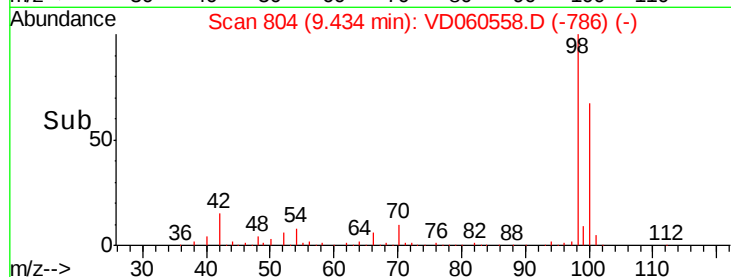
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 69.513 ug/l

RT: 9.53 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD060558.D

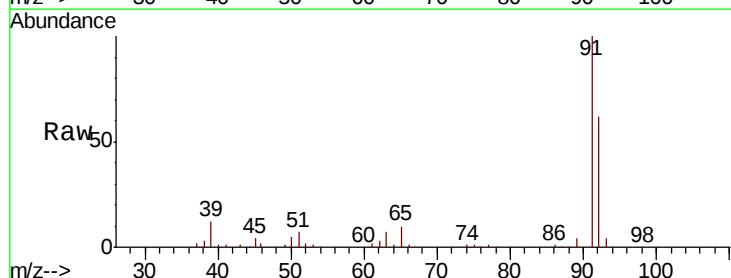
Acq: 13 Dec 2018 13:52

Tgt Ion: 92 Resp: 2131638

Ion Ratio Lower Upper

92 100

91 162.4 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

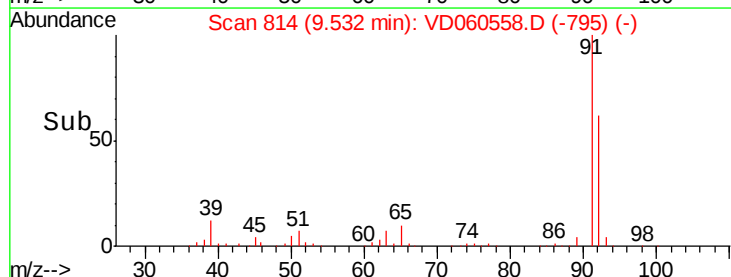
1500000

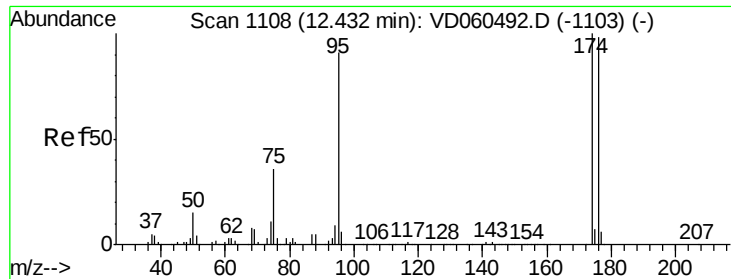
1000000

500000

0

Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060558.D

Acq: 13 Dec 2018 13:52

Instrument :

MSVOA_D

ClientSampleId :

SU-04-121218-A

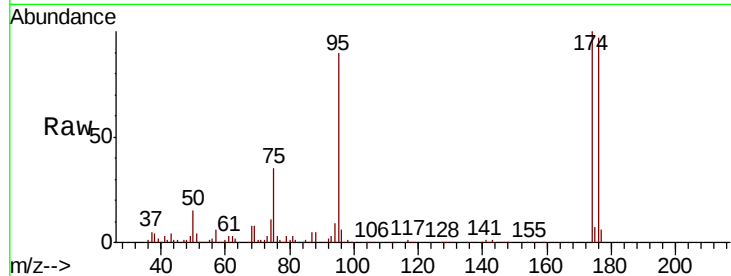
Tot Ion: 95 Resp: 500487

Ion Ratio Lower Upper

95 100

174 110.8 0.0 219.4

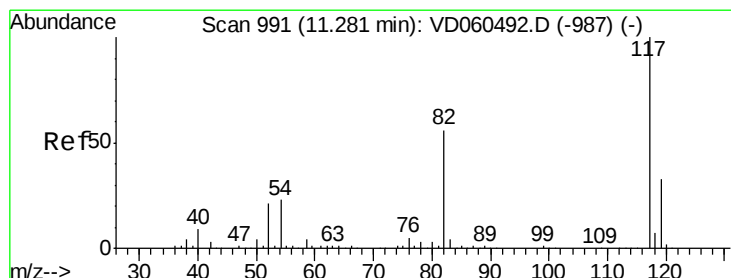
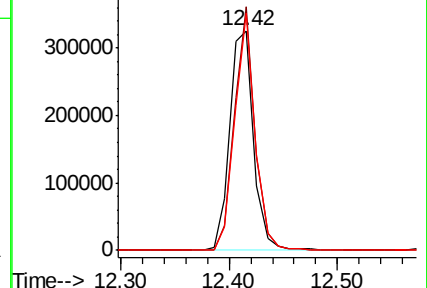
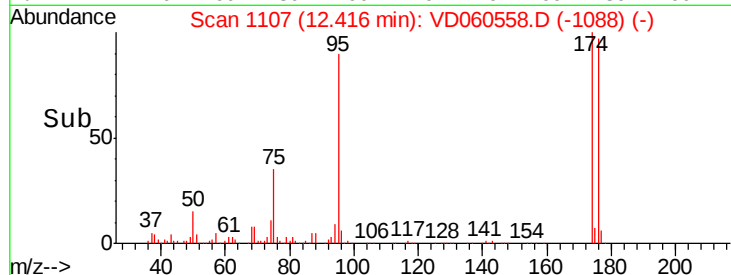
176 107.7 0.0 214.6



Abundance Ion 95.00 (94.70 to 95.70): V

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: 11.26 min Scan# 990

Delta R.T. -0.02 min

Lab File: VD060558.D

Acq: 13 Dec 2018 13:52

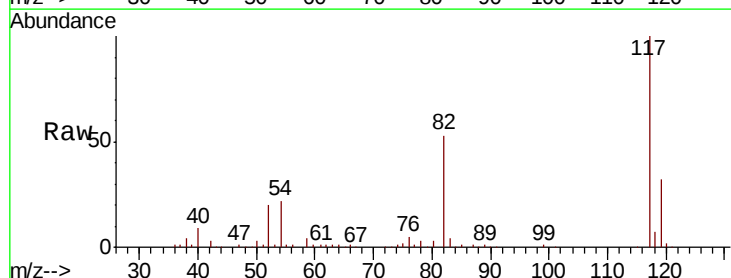
Tgt Ion: 117 Resp: 1476993

Ion Ratio Lower Upper

117 100

82 53.4 45.2 67.8

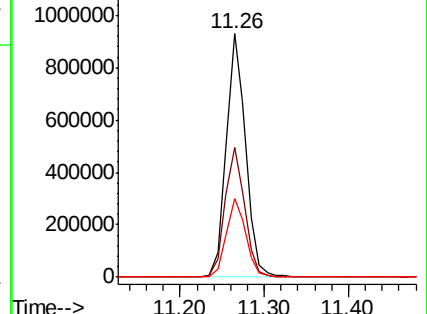
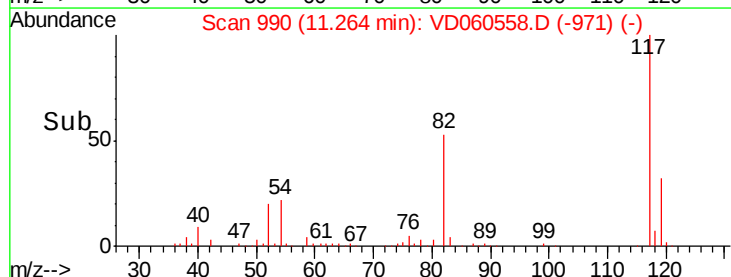
119 32.2 26.1 39.1

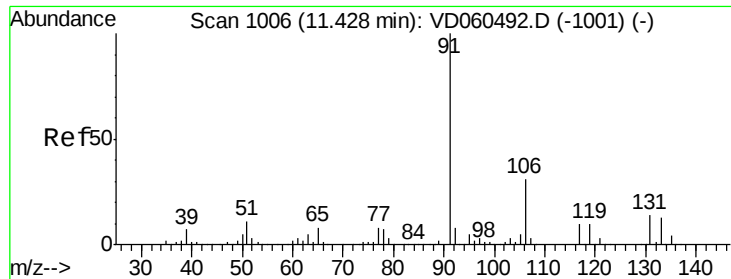


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

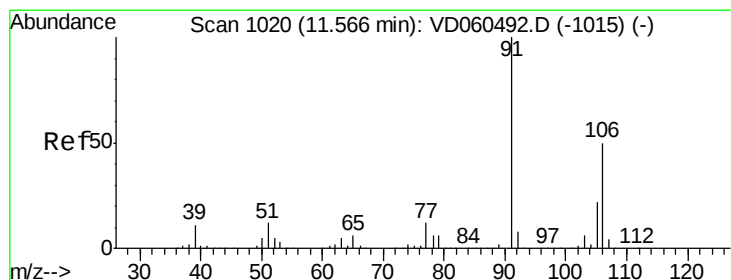
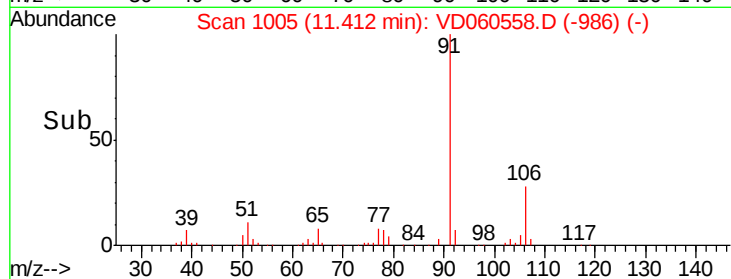
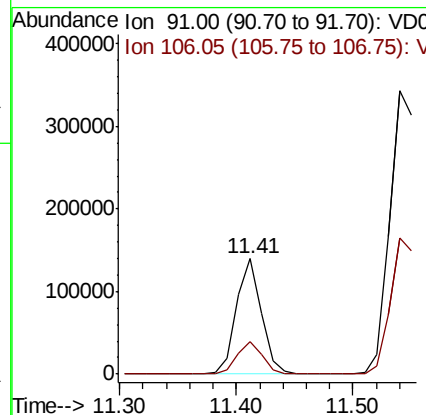
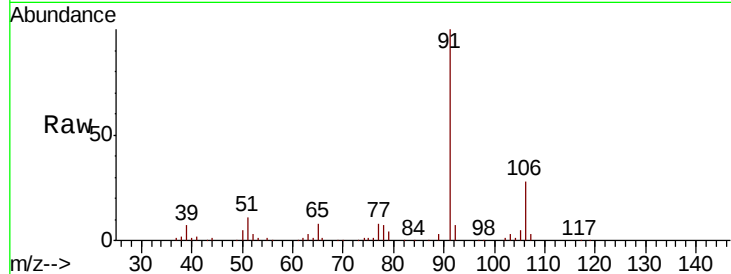




#67
Ethyl Benzene
Concen: 3.918 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

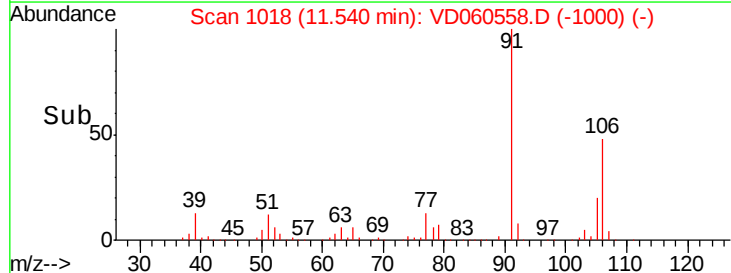
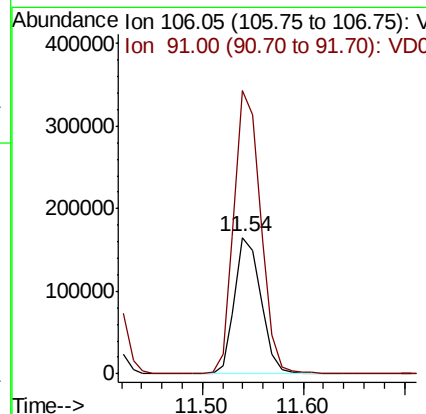
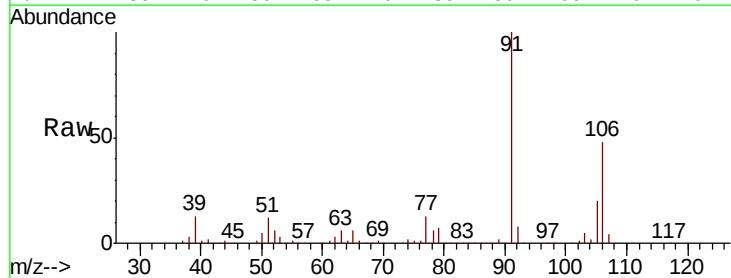
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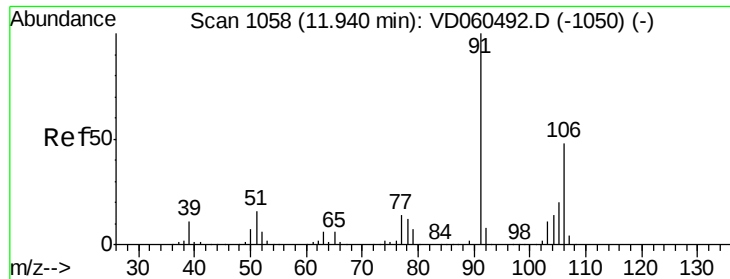
Tot Ion: 91 Resp: 208817
Ion Ratio Lower Upper
91 100
106 28.0 24.6 37.0



#68
m/p-Xylenes
Concen: 15.216 ug/l
RT: 11.54 min Scan# 1018
Delta R.T. -0.03 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion: 106 Resp: 300016
Ion Ratio Lower Upper
106 100
91 207.6 160.5 240.7

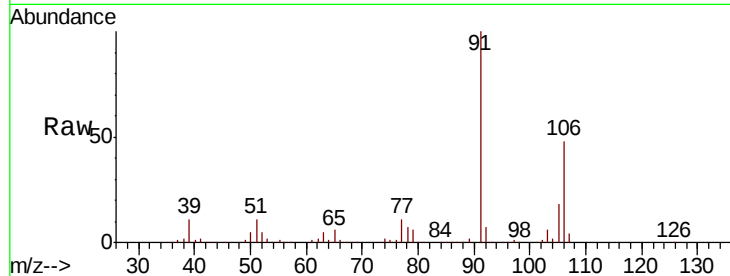




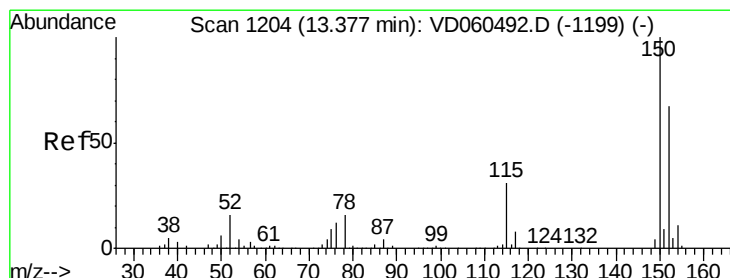
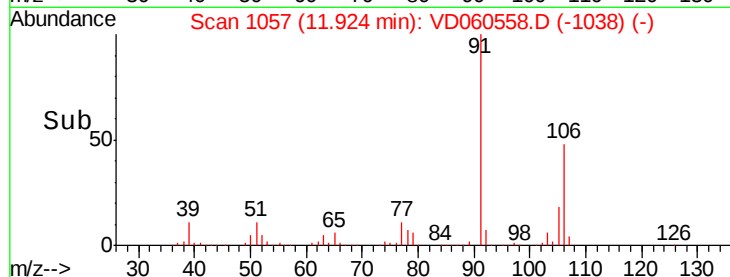
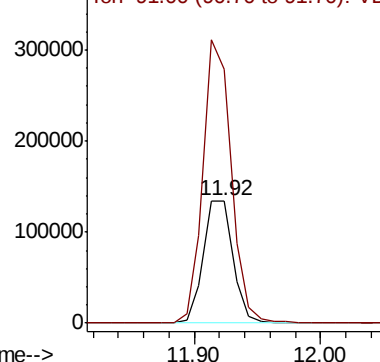
#69
o-Xylene
Concen: 11.639 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument :
MSVOA_D
ClientSampleId :
SU-04-121218-A

Tot Ion:106 Resp: 218712
Ion Ratio Lower Upper
106 100
91 207.4 103.4 310.1

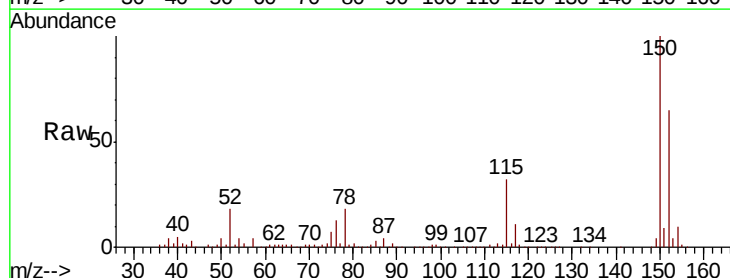


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

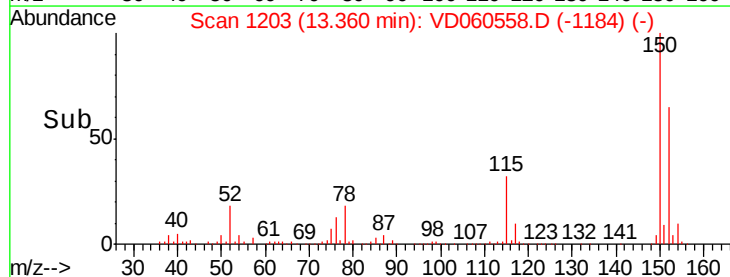
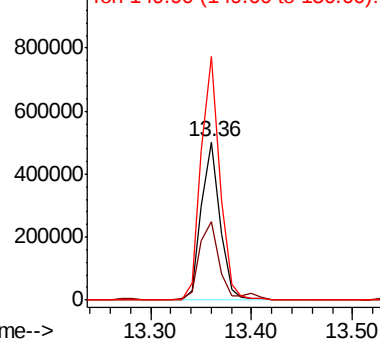


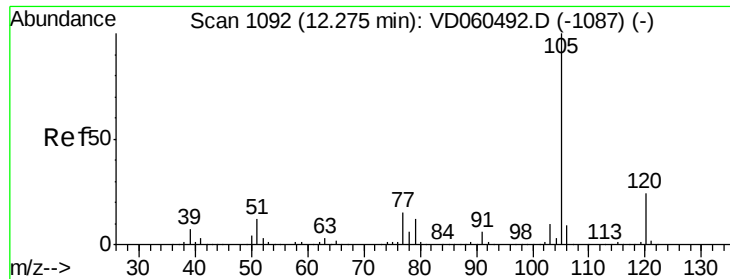
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion:152 Resp: 649727
Ion Ratio Lower Upper
152 100
115 49.9 24.6 74.0
150 153.7 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: 1.567 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VD060558.D

Acq: 13 Dec 2018 13:52

Instrument :

MSVOA_D

ClientSampleId :

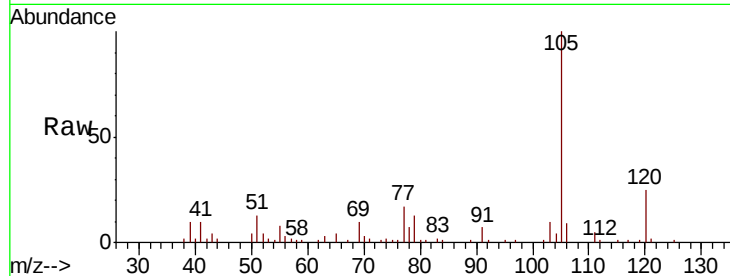
SU-04-121218-A

Tot Ion:105 Resp: 72035

Ion Ratio Lower Upper

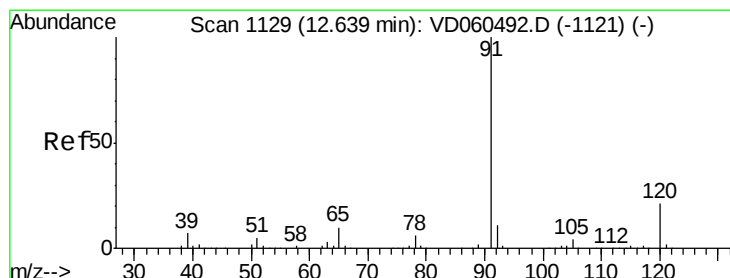
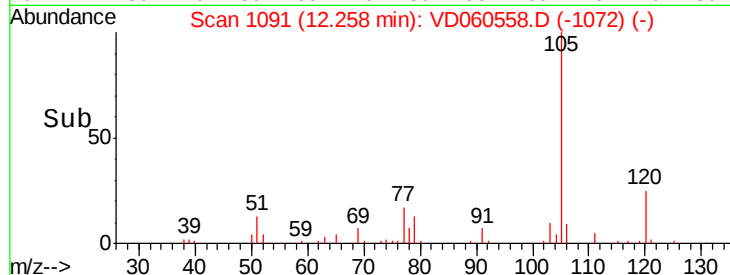
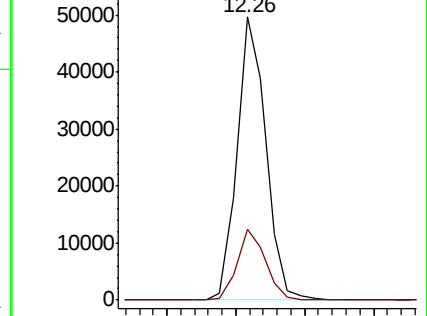
105 100

120 24.9 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#78

n-propylbenzene

Concen: 5.377 ug/l

RT: 12.62 min Scan# 1128

Delta R.T. -0.02 min

Lab File: VD060558.D

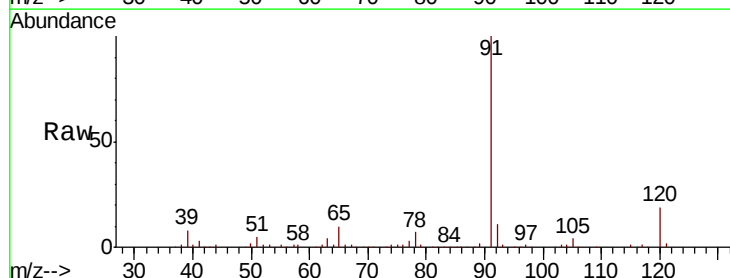
Acq: 13 Dec 2018 13:52

Tgt Ion: 91 Resp: 312510

Ion Ratio Lower Upper

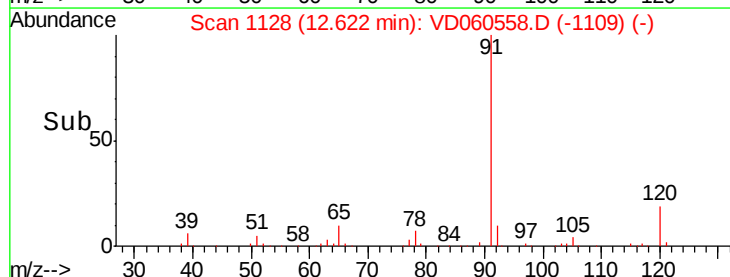
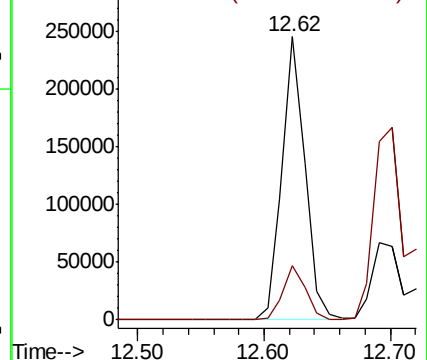
91 100

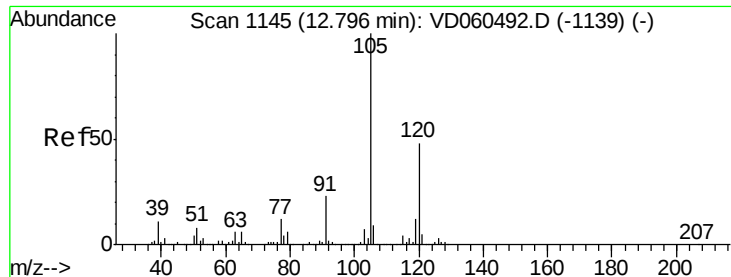
120 19.2 10.4 31.1



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: 9.758 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VD060558.D

Acq: 13 Dec 2018 13:52

Instrument :

MSVOA_D

ClientSampleId :

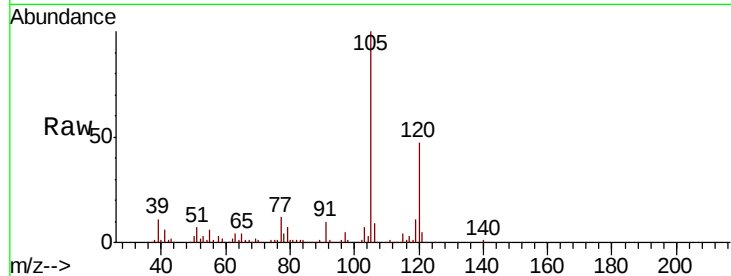
SU-04-121218-A

Tot Ion:105 Resp: 342819

Ion Ratio Lower Upper

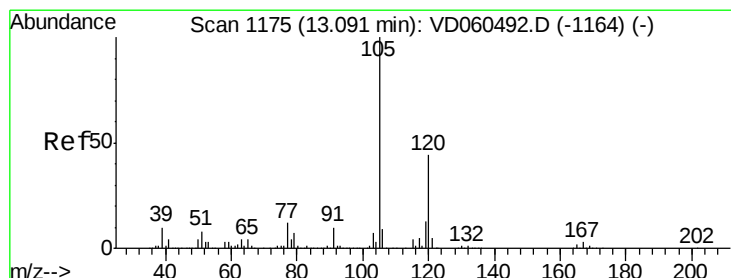
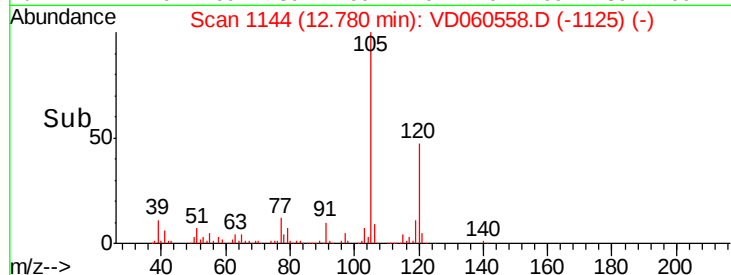
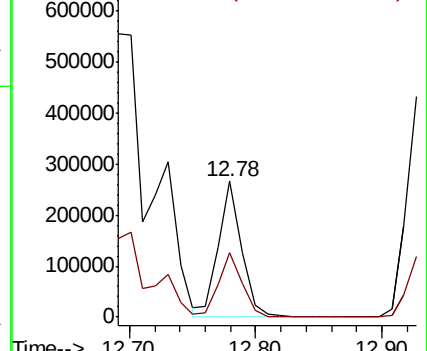
105 100

120 47.0 24.2 72.6



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: 40.045 ug/l

RT: 13.07 min Scan# 1174

Delta R.T. -0.02 min

Lab File: VD060558.D

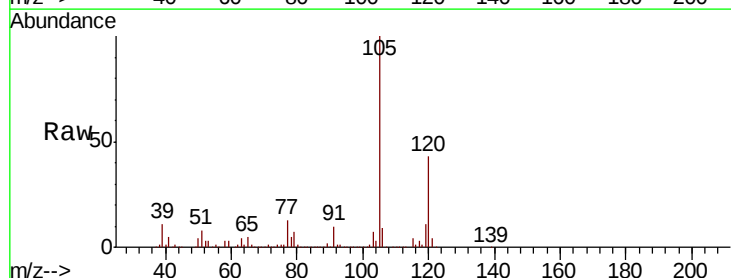
Acq: 13 Dec 2018 13:52

Tgt Ion:105 Resp: 1456726

Ion Ratio Lower Upper

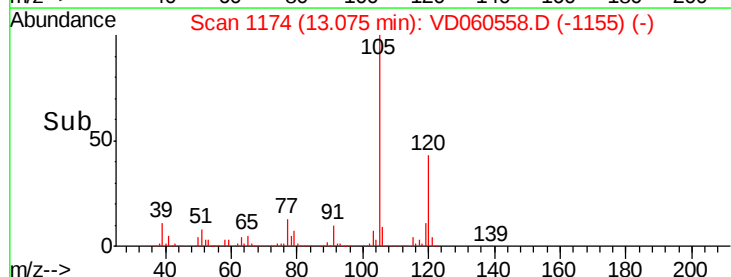
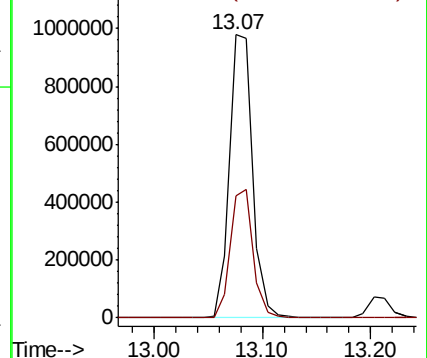
105 100

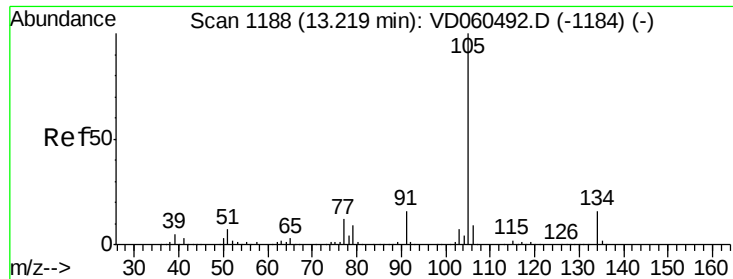
120 43.1 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

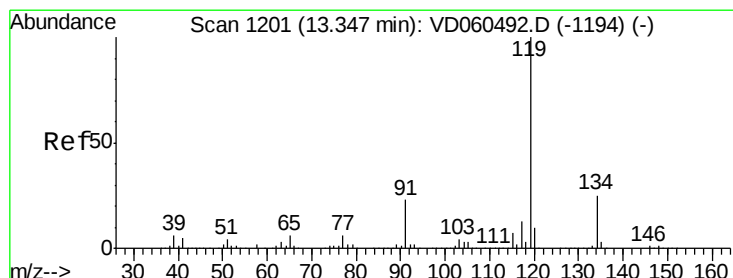
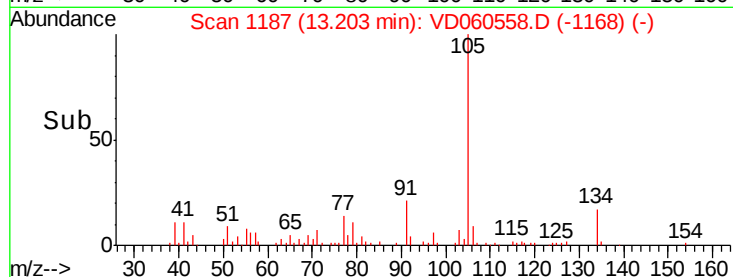
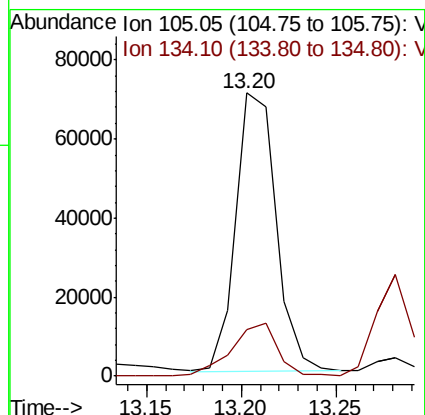
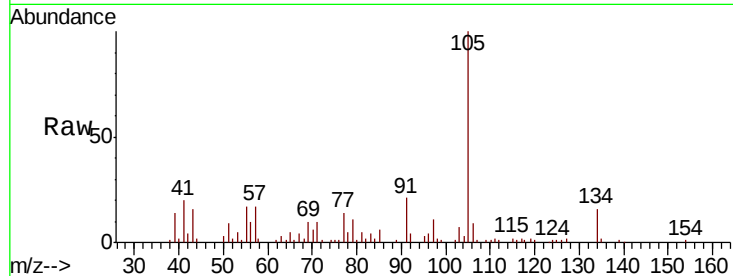




#85
 sec-Butylbenzene
 Concen: 2.118 ug/l
 RT: 13.20 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: VD060558.D
 Acq: 13 Dec 2018 13:52

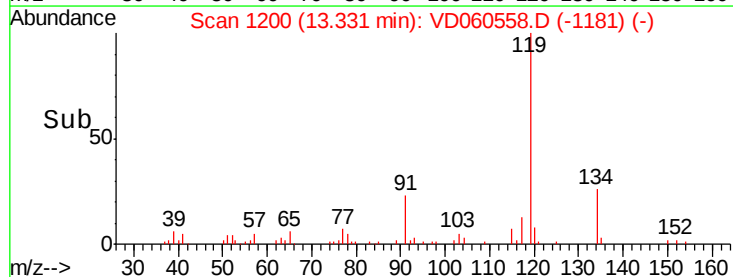
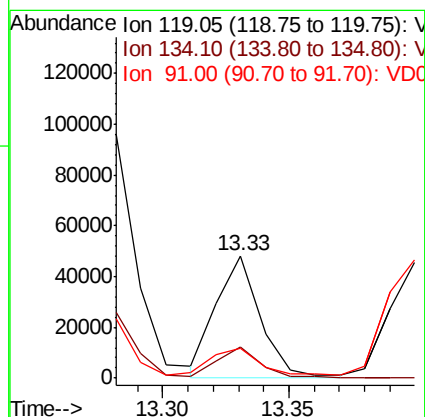
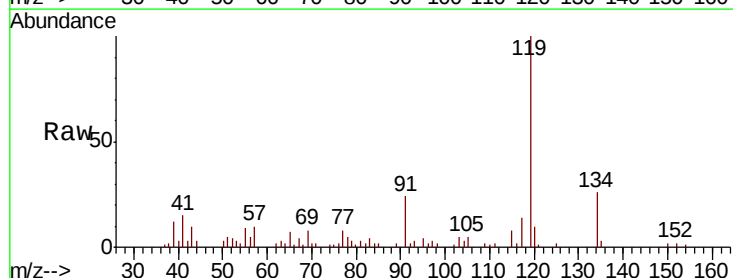
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-121218-A

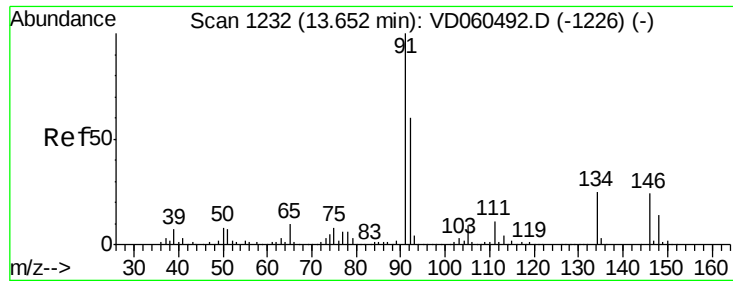
Tot Ion:105 Resp: 103995
 Ion Ratio Lower Upper
 105 100
 134 16.4 7.9 23.7



#86
 p-Isopropyltoluene
 Concen: 1.509 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VD060558.D
 Acq: 13 Dec 2018 13:52

Tgt Ion:119 Resp: 58739
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.5 37.5
 91 24.4 11.5 34.4

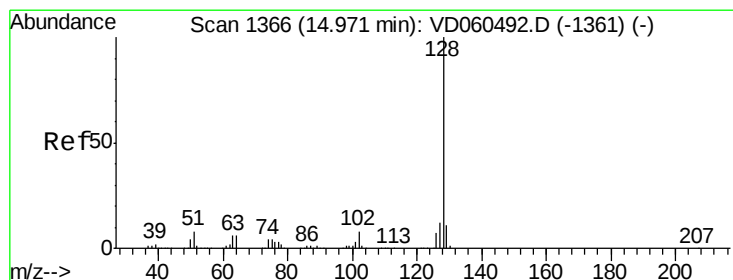
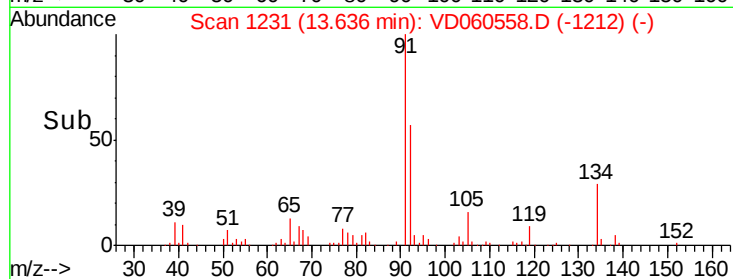
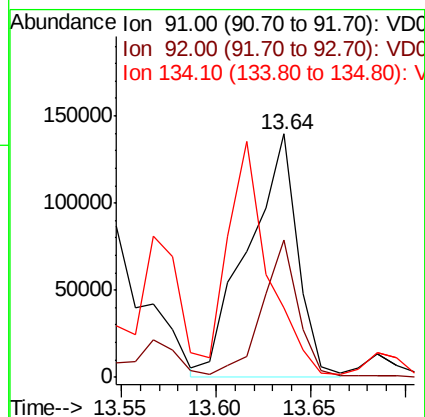
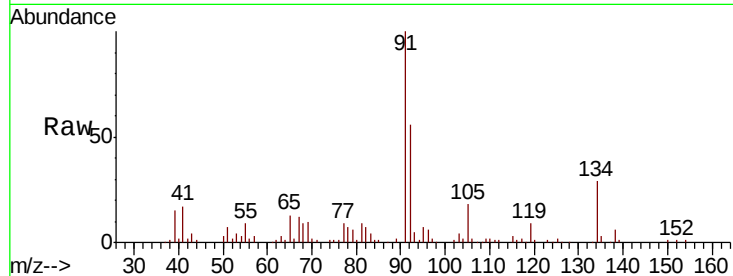




#89
n-Butylbenzene
Concen: 5.401 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Instrument :
MSVOA_D
ClientSampleId :
SU-04-121218-A

Tot Ion: 91 Resp: 251855
Ion Ratio Lower Upper
91 100
92 56.5 30.0 90.1
134 28.7 12.5 37.5



#95
Naphthalene
Concen: 18.711 ug/l
RT: 14.95 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060558.D
Acq: 13 Dec 2018 13:52

Tgt Ion:128 Resp: 311170
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.8
129 11.5 8.6 13.0

