

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110718\
 Data File : VD060296.D
 Acq On : 7 Nov 2018 12:57
 Operator : JC/SY
 Sample : J5839-03
 Misc : 5.89g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4

Quant Time: Nov 08 11:24:01 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	6.42	168	1017849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1477879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1173854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.40	152	528444	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	315549	43.30	ug/l	0.00
Spiked Amount			Recovery	=	86.60%	
35) Dibromofluoromethane	6.33	113	384848	34.92	ug/l	0.00
Spiked Amount			Recovery	=	69.84%	
50) Toluene-d8	9.47	98	1072941	33.27	ug/l	0.00
Spiked Amount			Recovery	=	66.54%	
62) 4-Bromofluorobenzene	12.44	95	394061	33.72	ug/l	0.00
Spiked Amount			Recovery	=	67.44%	

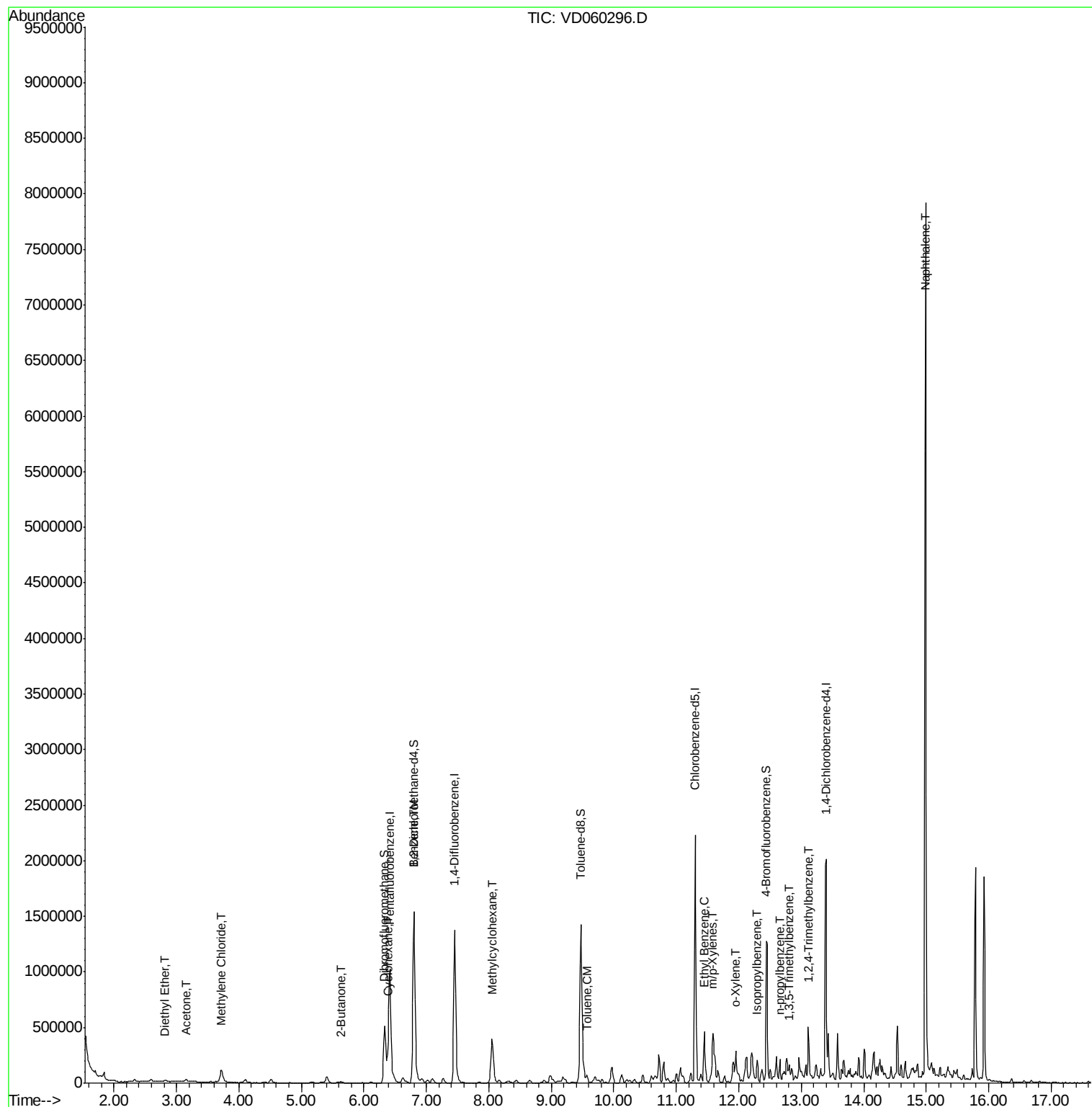
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.83	74	4208	2.504	ug/l	98
16) Acetone	3.15	43	44786	35.427	ug/l	99
20) Methylene Chloride	3.71	84	54839	4.890	ug/l	95
25) 2-Butanone	5.63	43	27283	10.383	ug/l	96
31) Cyclohexane	6.38	56	89372	5.136	ug/l	97
39) Methylcyclohexane	8.05	83	197114	11.738	ug/l	99
40) Benzene	6.80	78	1341694	35.999	ug/l	99
52) Toluene	9.57	92	30935	1.299	ug/l	100
67) Ethyl Benzene	11.45	91	300065	6.897	ug/l	97
68) m/p-Xylenes	11.59	106	117775	7.338	ug/l	91
69) o-Xylene	11.95	106	41693	2.689	ug/l	89
73) Isopropylbenzene	12.29	105	91179	2.368	ug/l	99
78) n-propylbenzene	12.66	91	126395	2.630	ug/l	97
80) 1,3,5-Trimethylbenzene	12.82	105	32107	1.073	ug/l	96
84) 1,2,4-Trimethylbenzene	13.11	105	197094	6.596	ug/l	100
95) Naphthalene	14.99	128	5066597	350.172	ug/l	98

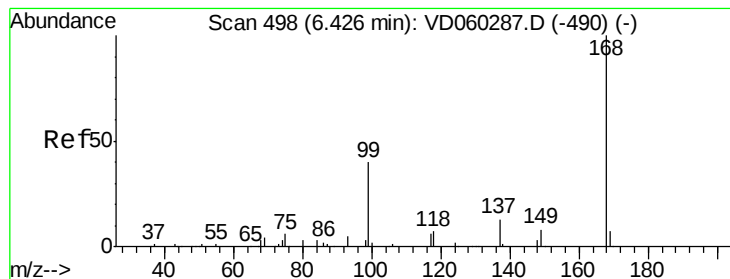
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060296.D

Acq: 7 Nov 2018 12:57

Instrument :

MSVOA_D

ClientSampled :

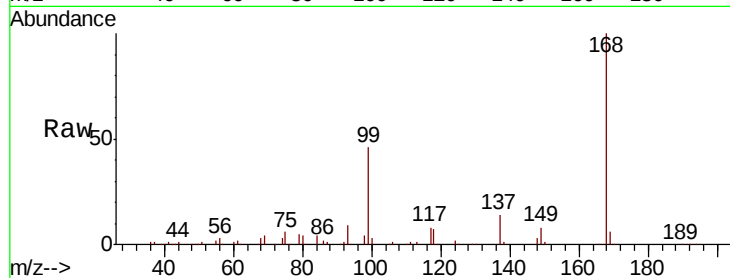
SB-4

Tot Ion:168 Resp: 1017849

Ion Ratio Lower Upper

168 100

99 46.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

400000

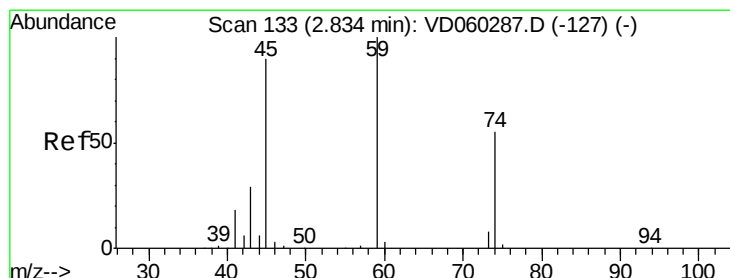
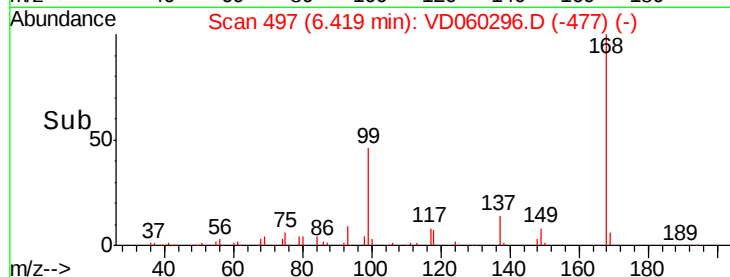
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 2.504 ug/l

RT: 2.83 min Scan# 132

Delta R.T. -0.01 min

Lab File: VD060296.D

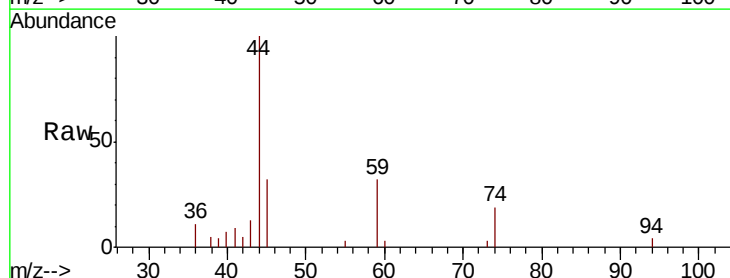
Acq: 7 Nov 2018 12:57

Tgt Ion: 74 Resp: 4208

Ion Ratio Lower Upper

74 100

45 172.7 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.83

5000

4000

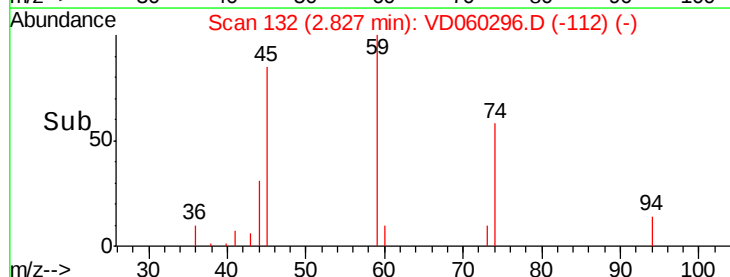
3000

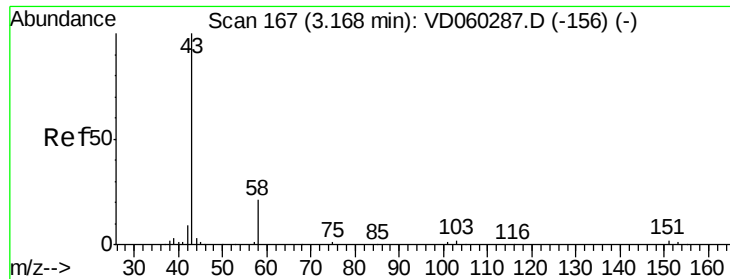
2000

1000

0

Time-->





#16

Acetone

Concen: 35.427 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060296.D

Acq: 7 Nov 2018 12:57

Instrument :

MSVOA_D

ClientSampleId :

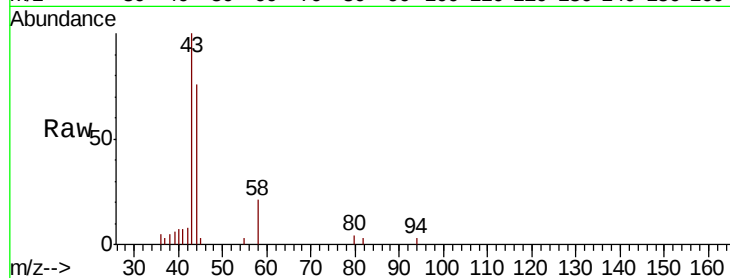
SB-4

Tot Ion: 43 Resp: 44786

Ion Ratio Lower Upper

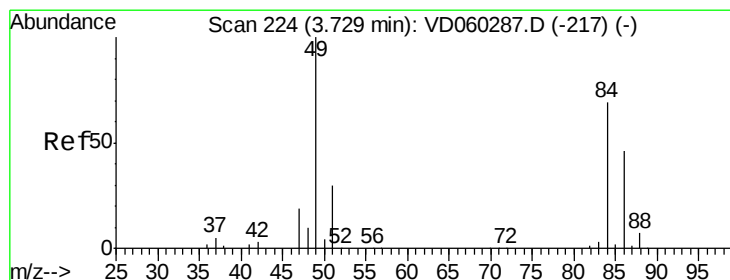
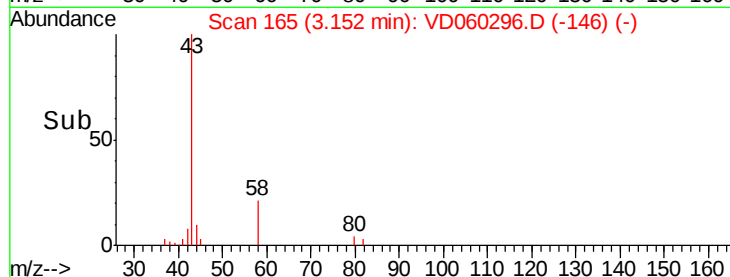
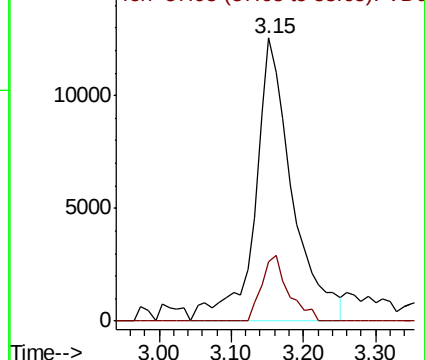
43 100

58 20.8 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 4.890 ug/l

RT: 3.71 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD060296.D

Acq: 7 Nov 2018 12:57

Tgt Ion: 84 Resp: 54839

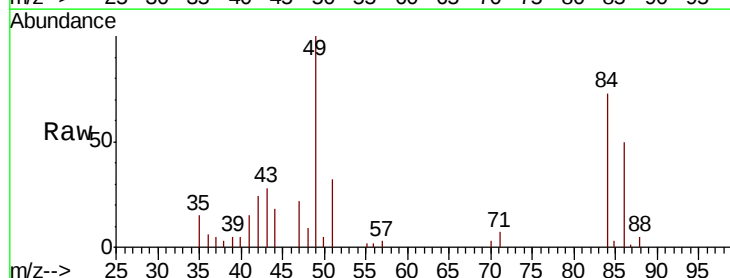
Ion Ratio Lower Upper

84 100

49 136.1 115.6 173.4

51 43.9 35.6 53.4

86 67.4 52.3 78.5

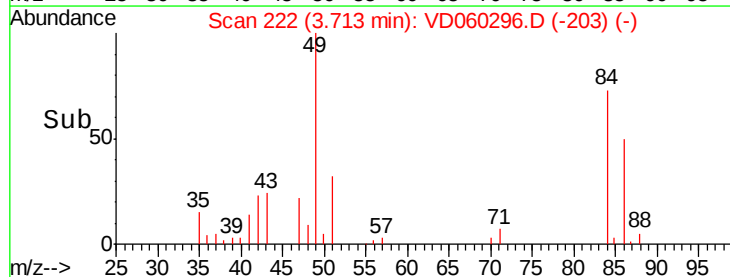
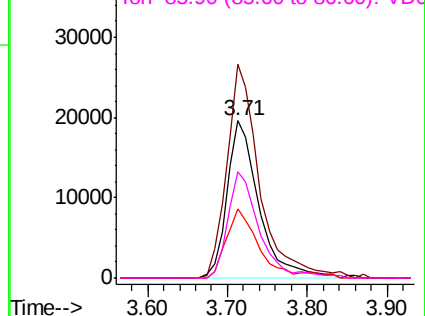


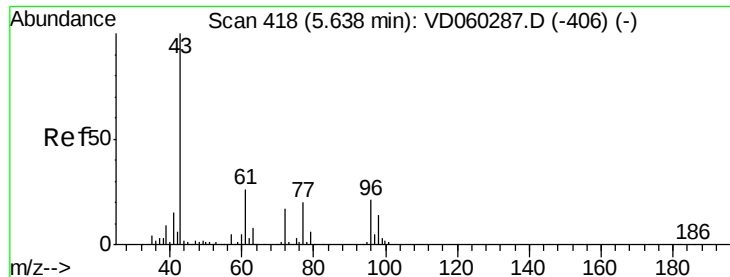
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 10.383 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060296.D

Acq: 7 Nov 2018 12:57

Instrument :

MSVOA_D

ClientSampleId :

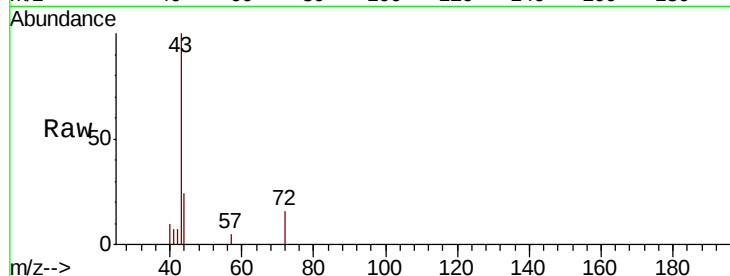
SB-4

Tot Ion: 43 Resp: 27283

Ion Ratio Lower Upper

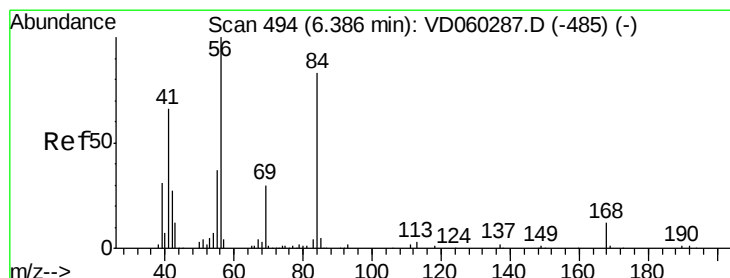
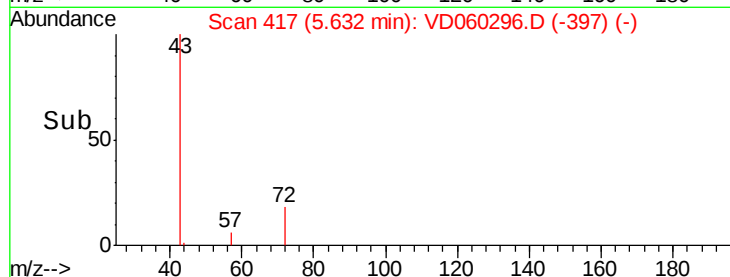
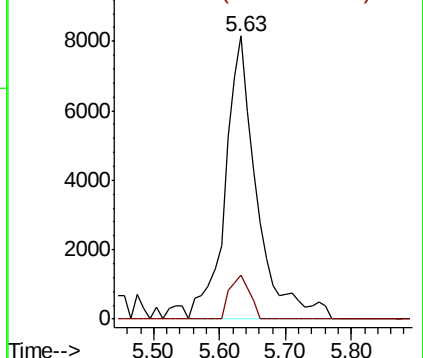
43 100

72 15.6 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 5.136 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060296.D

Acq: 7 Nov 2018 12:57

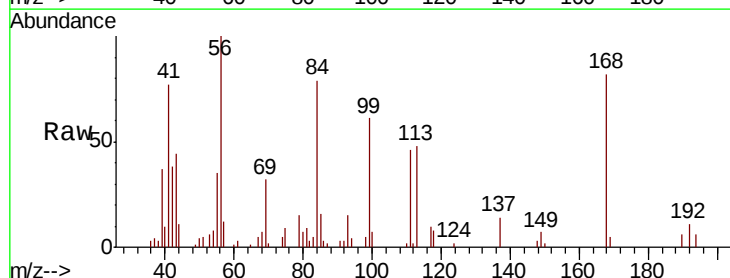
Tgt Ion: 56 Resp: 89372

Ion Ratio Lower Upper

56 100

69 32.2 22.2 33.2

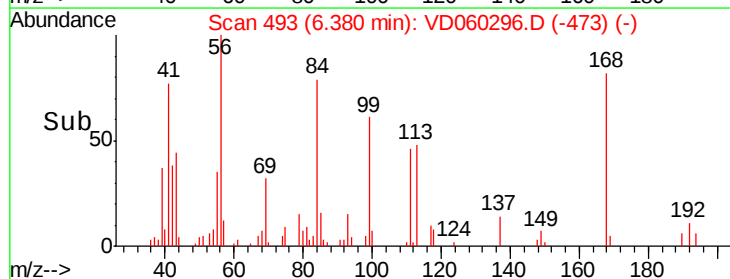
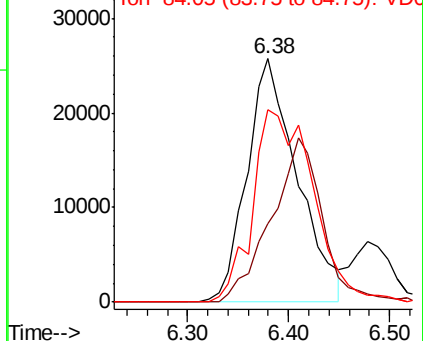
84 79.1 63.0 94.4

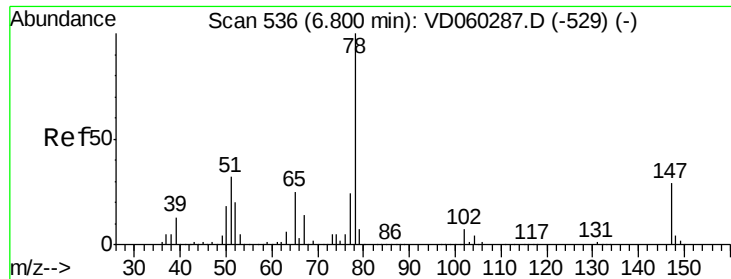


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

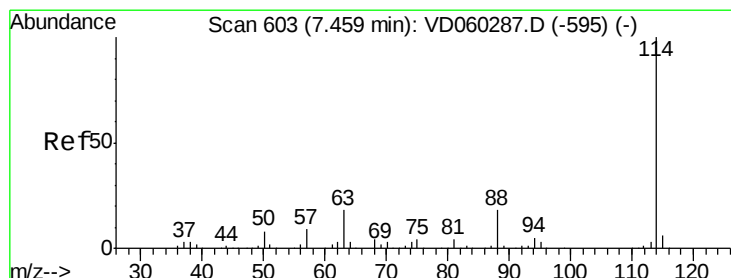
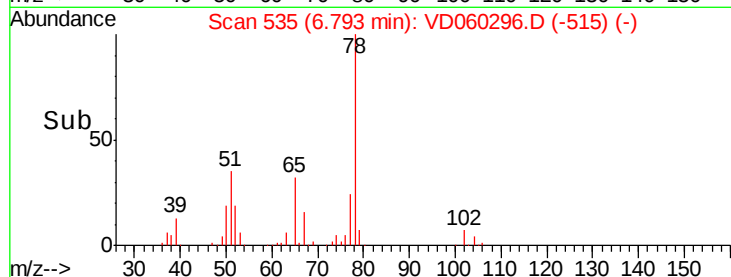
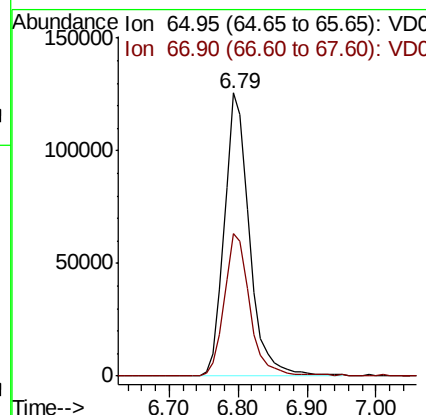
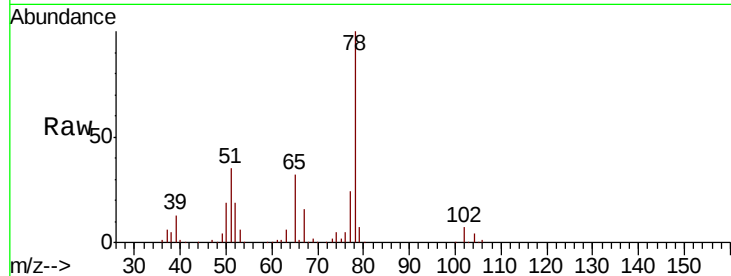




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VD060296.D
 Acq: 7 Nov 2018 12:57

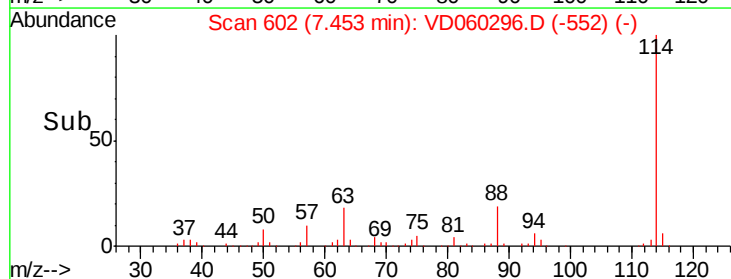
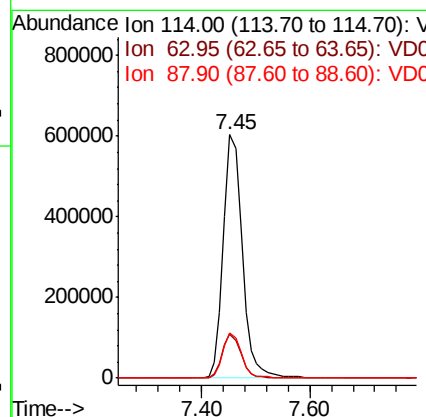
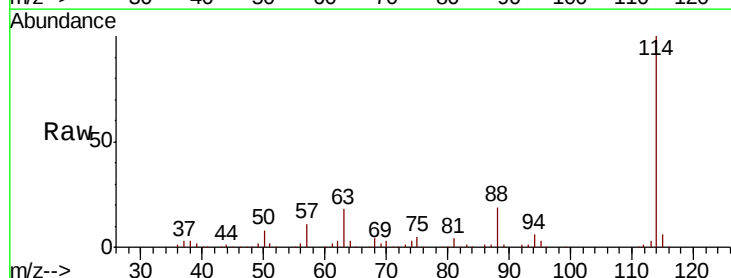
Instrument :
 MSVOA_D
 ClientSampleID :
 SB-4

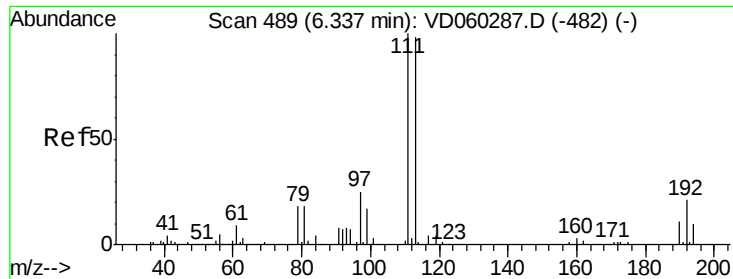
Tot Ion: 65 Resp: 315549
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060296.D
 Acq: 7 Nov 2018 12:57

Tgt Ion: 114 Resp: 1477879
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.0
 88 18.6 0.0 35.4

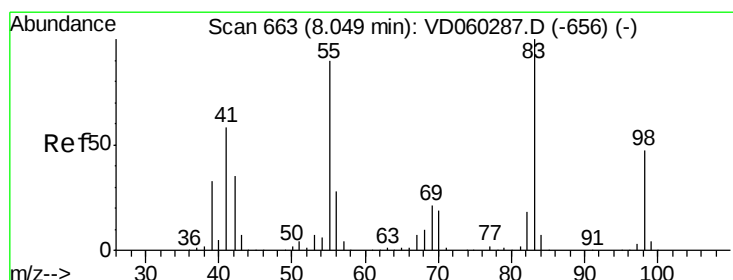
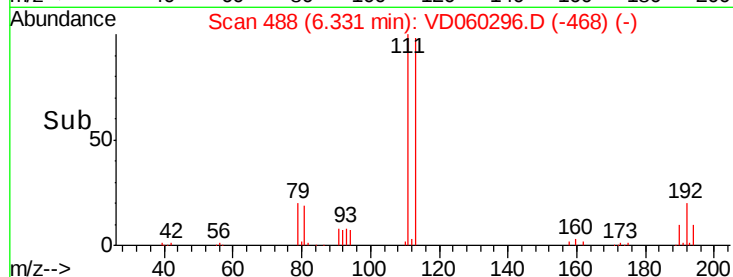
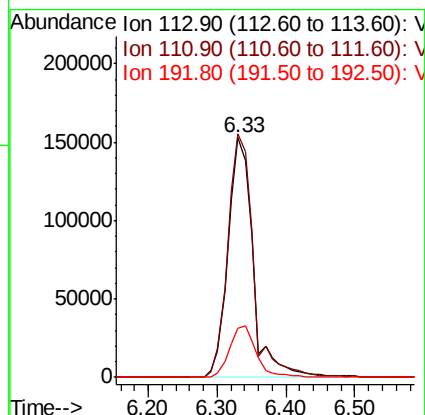
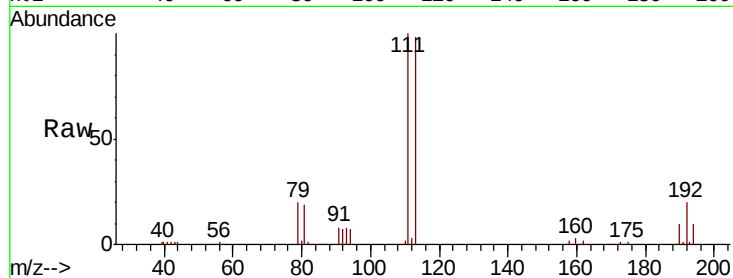




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.33 min Scan# 488
Delta R.T. -0.01 min
Lab File: VD060296.D
Acq: 7 Nov 2018 12:57

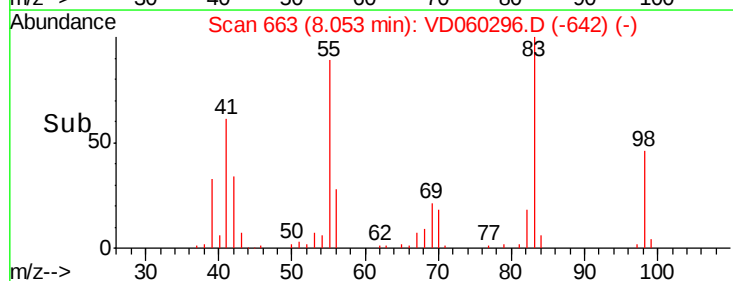
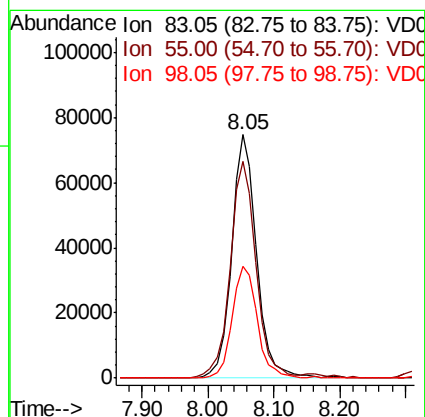
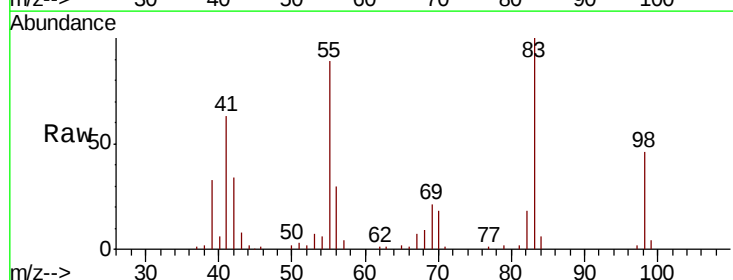
Instrument :
MSVOA_D
ClientSampleId :
SB-4

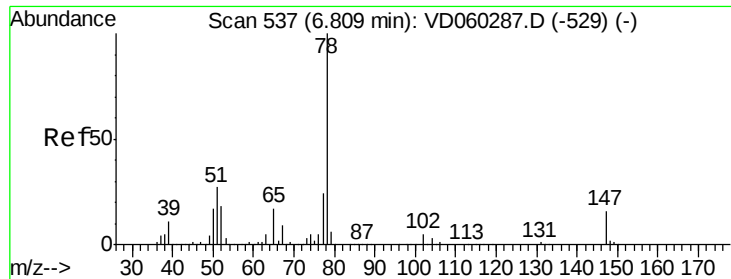
Tot Ion:113 Resp: 384848
Ion Ratio Lower Upper
113 100
111 101.8 81.6 122.4
192 20.6 16.5 24.7



#39
Methylcyclohexane
Concen: 11.738 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.00 min
Lab File: VD060296.D
Acq: 7 Nov 2018 12:57

Tgt Ion: 83 Resp: 197114
Ion Ratio Lower Upper
83 100
55 88.9 71.2 106.8
98 45.9 38.4 57.6

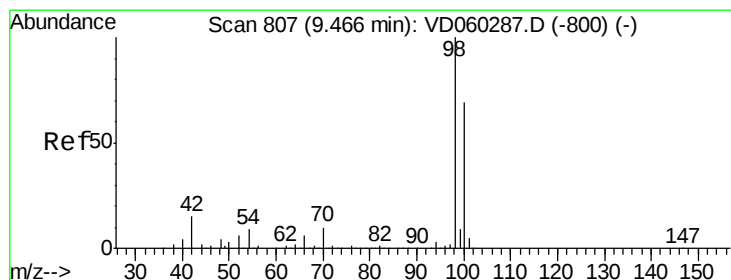
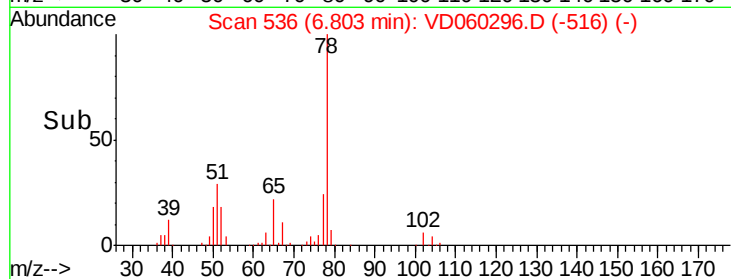
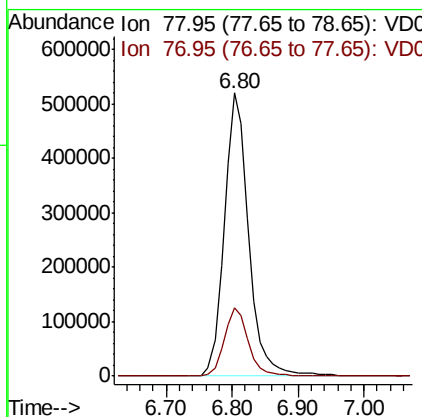
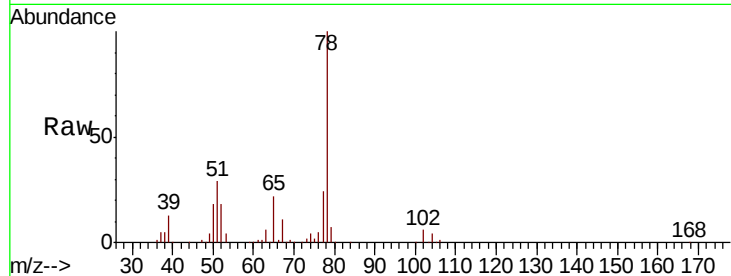




#40
Benzene
Concen: 35.999 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.01 min
Lab File: VD060296.D
Acq: 7 Nov 2018 12:57

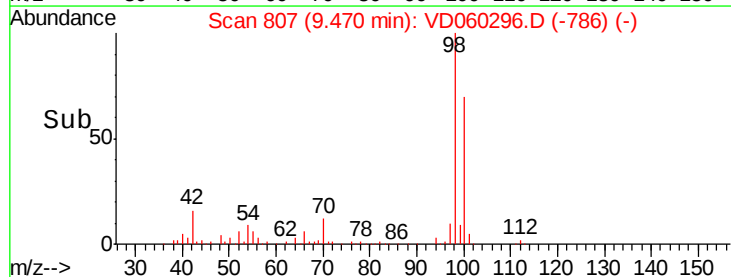
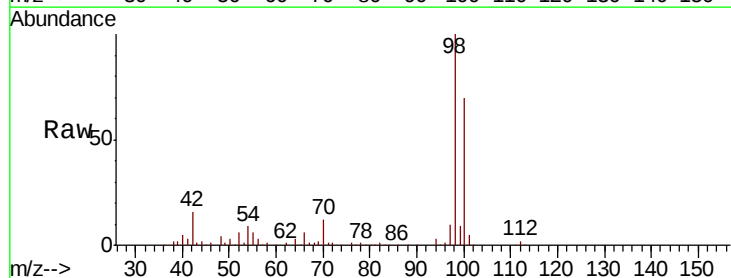
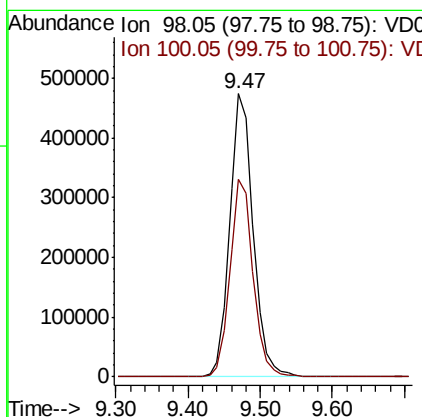
Instrument :
MSVOA_D
ClientSampled :
SB-4

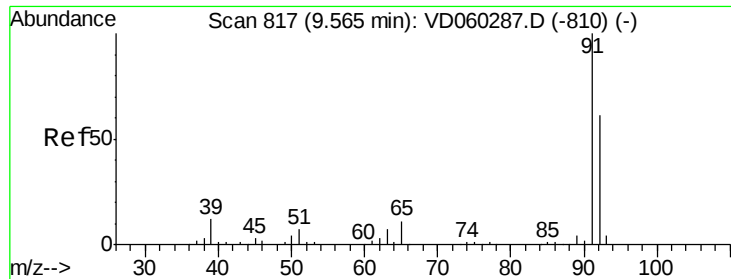
Tot Ion: 78 Resp: 1341694
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.47 min Scan# 807
Delta R.T. 0.00 min
Lab File: VD060296.D
Acq: 7 Nov 2018 12:57

Tgt Ion: 98 Resp: 1072941
Ion Ratio Lower Upper
98 100
100 69.9 55.2 82.8





#52

Toluene

Concen: 1.299 ug/l

RT: 9.57 min Scan# 817

Delta R.T. 0.00 min

Lab File: VD060296.D

Acq: 7 Nov 2018 12:57

Instrument :

MSVOA_D

ClientSampleId :

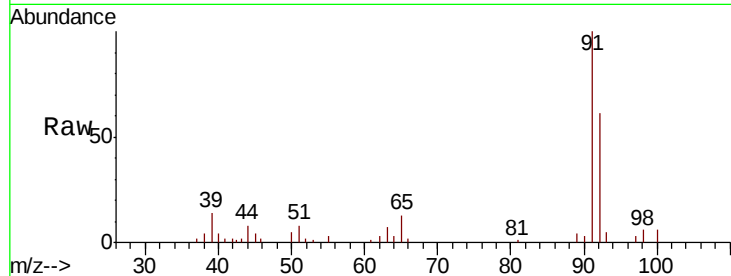
SB-4

Tot Ion: 92 Resp: 30935

Ion Ratio Lower Upper

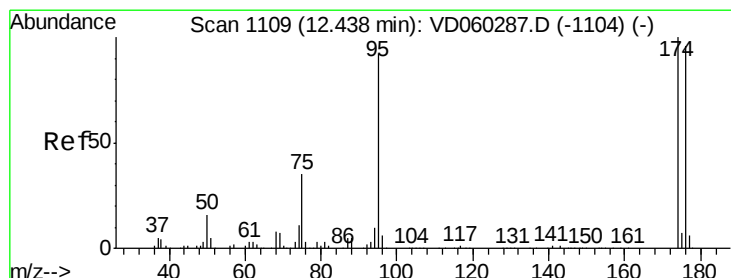
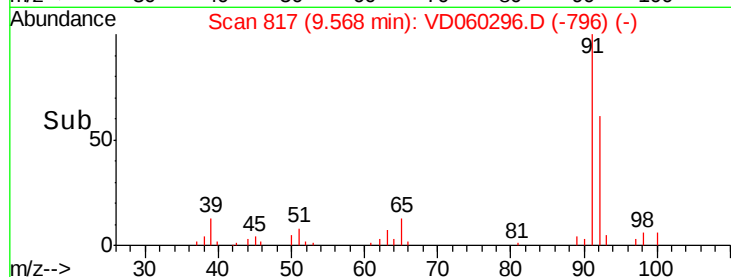
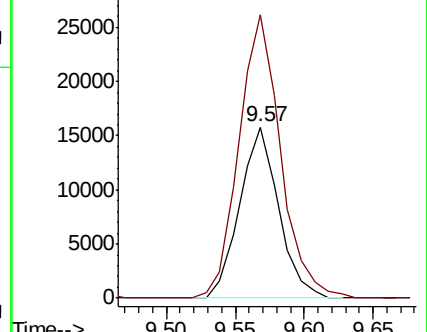
92 100

91 165.2 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD060296.D

Acq: 7 Nov 2018 12:57

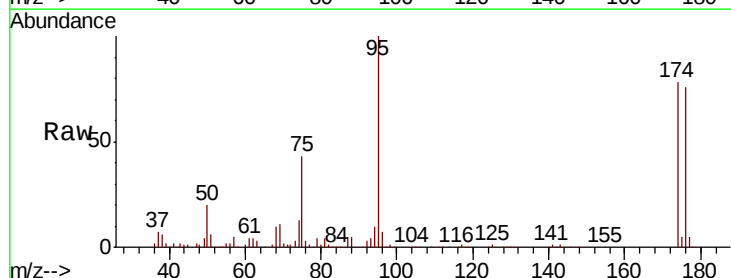
Tgt Ion: 95 Resp: 394061

Ion Ratio Lower Upper

95 100

174 77.8 0.0 160.8

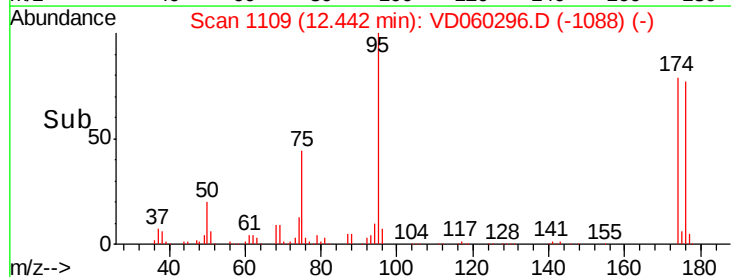
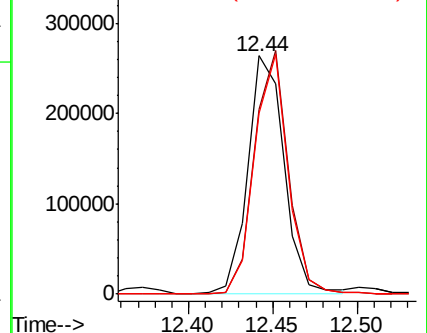
176 75.8 0.0 154.6

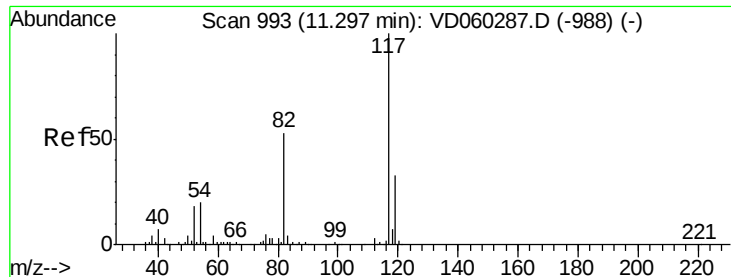


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

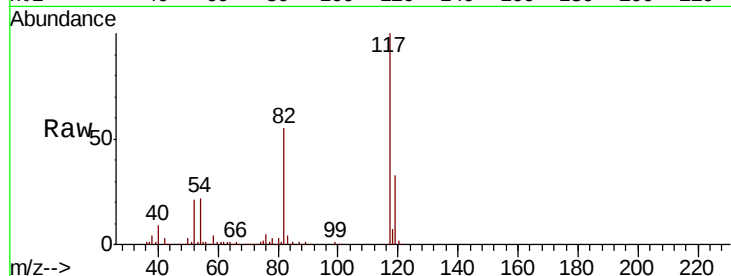




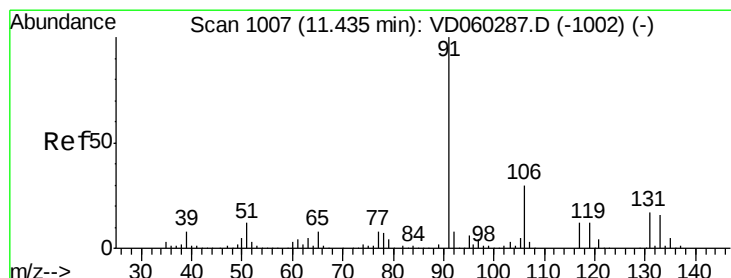
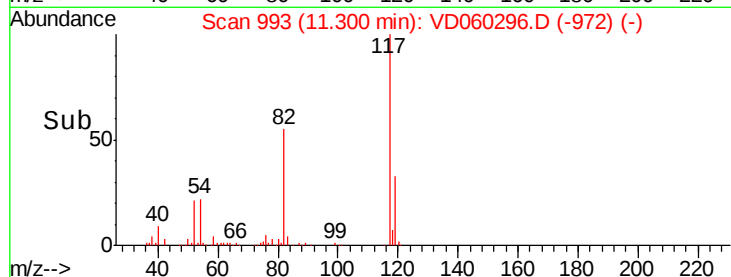
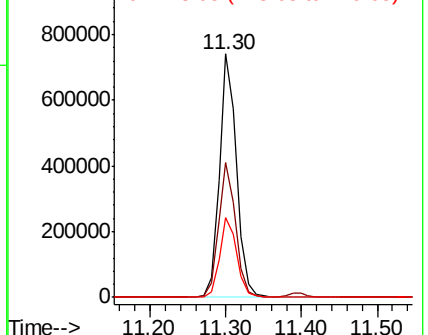
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.00 min
Lab File: VD060296.D
Acq: 7 Nov 2018 12:57

Instrument :
MSVOA_D
ClientSampleId :
SB-4

Tot Ion:117 Resp: 1173854
Ion Ratio Lower Upper
117 100
82 55.2 43.7 65.5
119 32.8 26.1 39.1

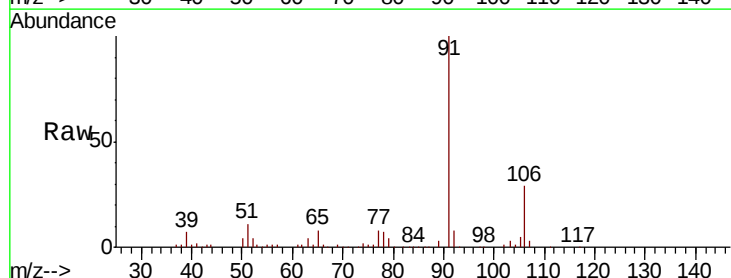


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VDC
Ion 118.95 (118.65 to 119.65): V

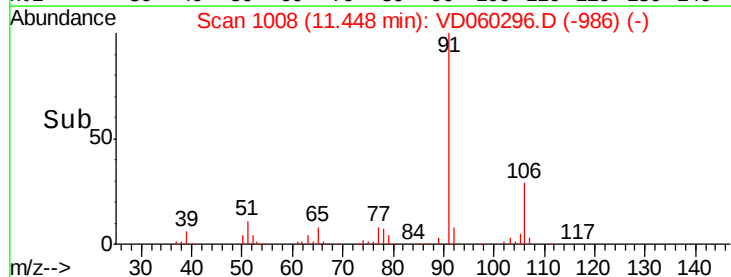
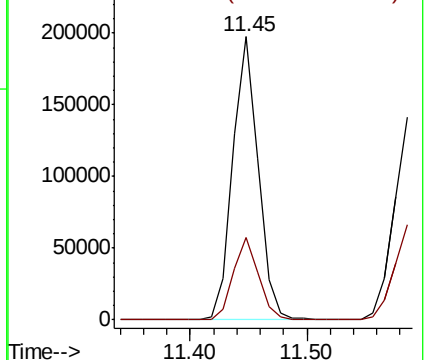


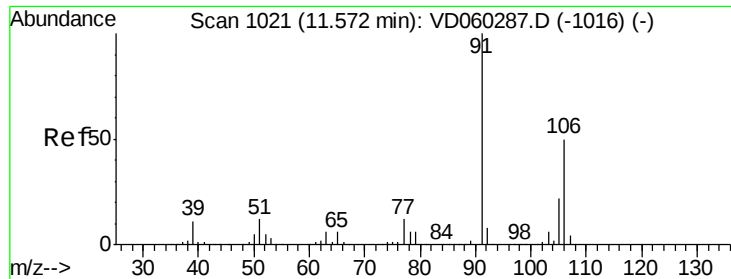
#67
Ethyl Benzene
Concen: 6.897 ug/l
RT: 11.45 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060296.D
Acq: 7 Nov 2018 12:57

Tgt Ion: 91 Resp: 300065
Ion Ratio Lower Upper
91 100
106 29.2 24.6 36.8



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

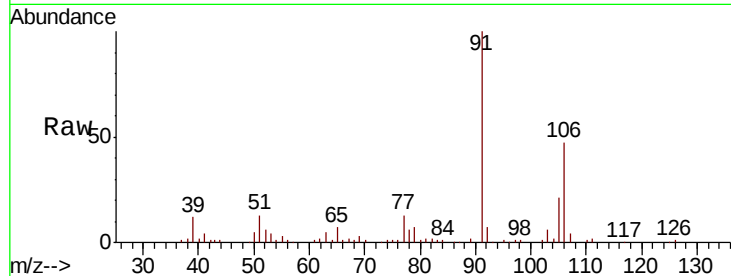




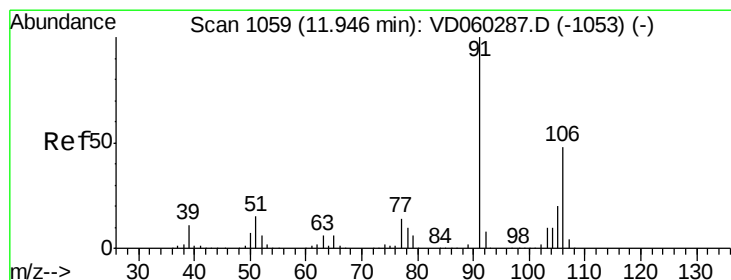
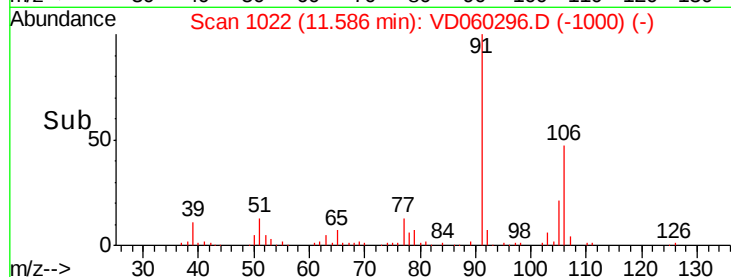
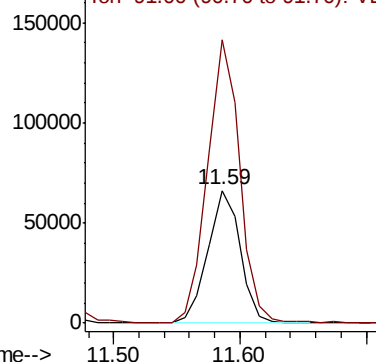
#68
m/p-Xylenes
Concen: 7.338 ug/l
RT: 11.59 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060296.D
Acq: 7 Nov 2018 12:57

Instrument :
MSVOA_D
ClientSampled :
SB-4

Tot Ion:106 Resp: 117775
Ion Ratio Lower Upper
106 100
91 213.1 159.4 239.2

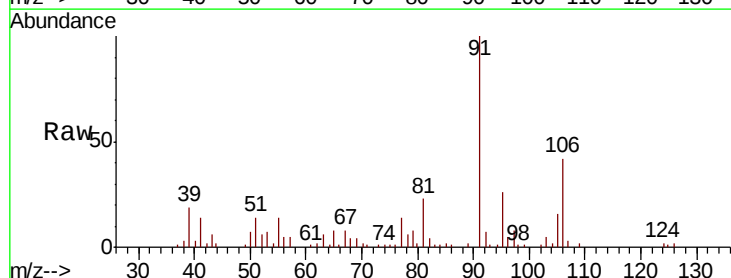


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

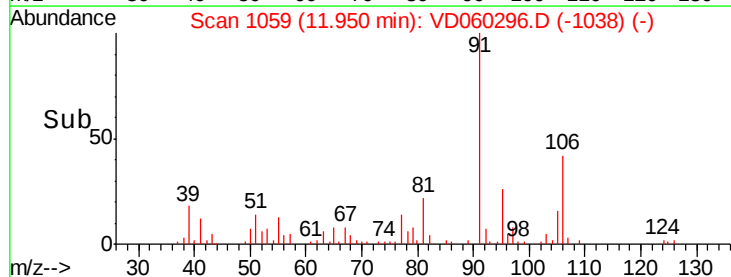
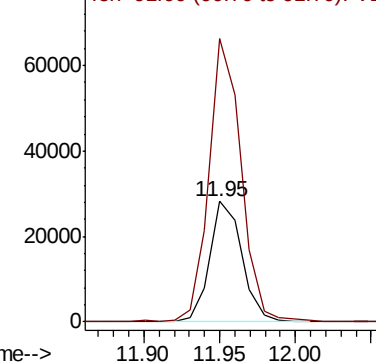


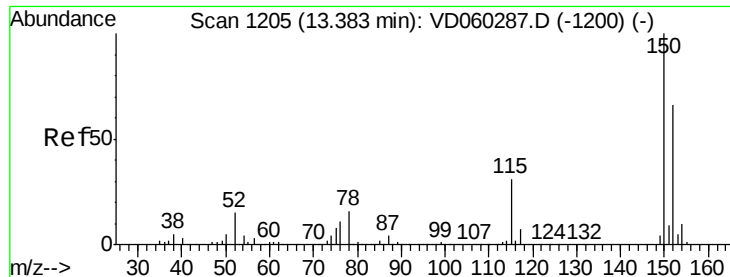
#69
o-Xylene
Concen: 2.689 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060296.D
Acq: 7 Nov 2018 12:57

Tgt Ion:106 Resp: 41693
Ion Ratio Lower Upper
106 100
91 235.5 109.2 327.6



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.40 min Scan# 1206

Delta R.T. 0.01 min

Lab File: VD060296.D

Acq: 7 Nov 2018 12:57

Instrument :

MSVOA_D

ClientSampleId :

SB-4

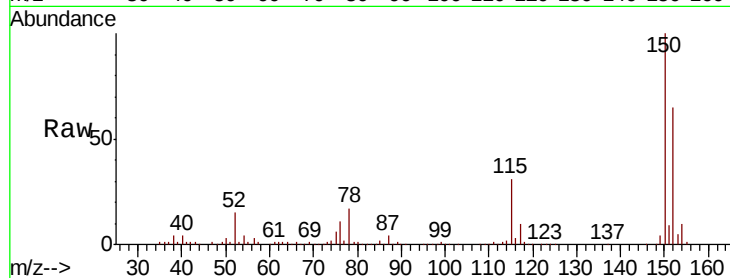
Tot Ion:152 Resp: 528444

Ion Ratio Lower Upper

152 100

115 47.2 24.1 72.3

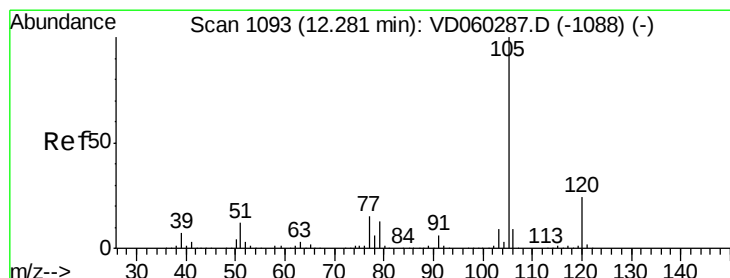
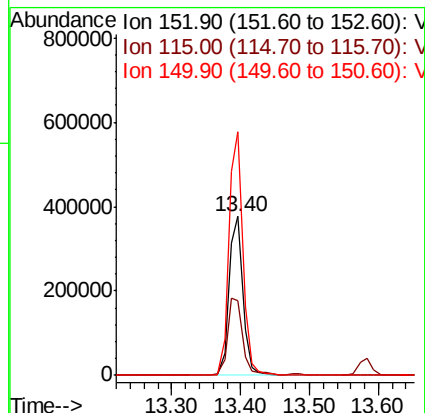
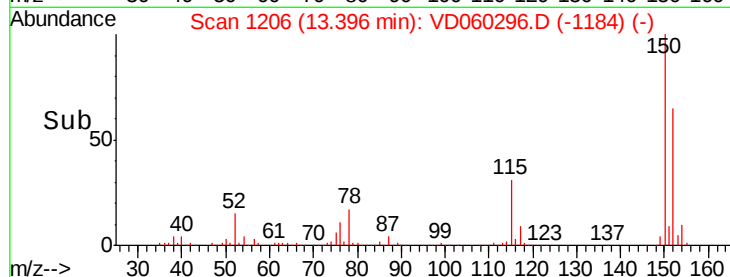
150 153.1 0.0 310.6



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: 2.368 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060296.D

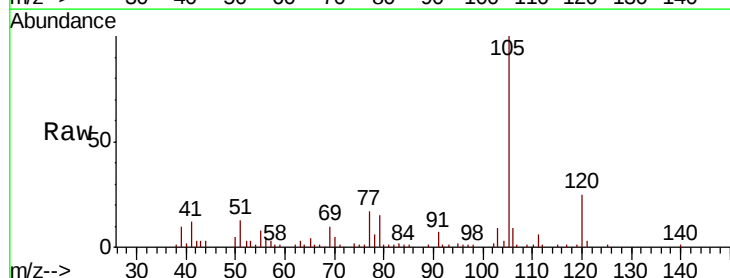
Acq: 7 Nov 2018 12:57

Tgt Ion:105 Resp: 91179

Ion Ratio Lower Upper

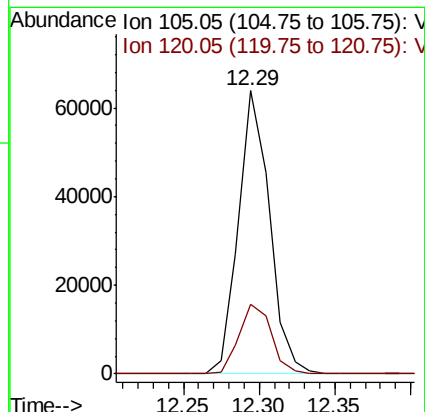
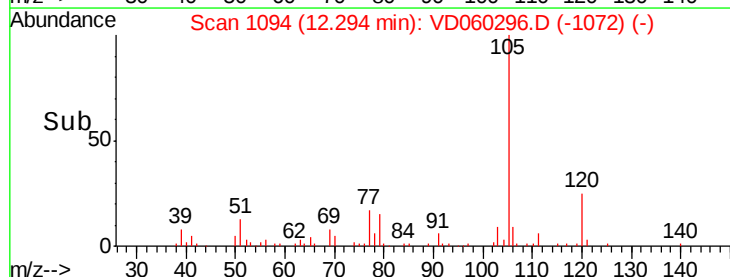
105 100

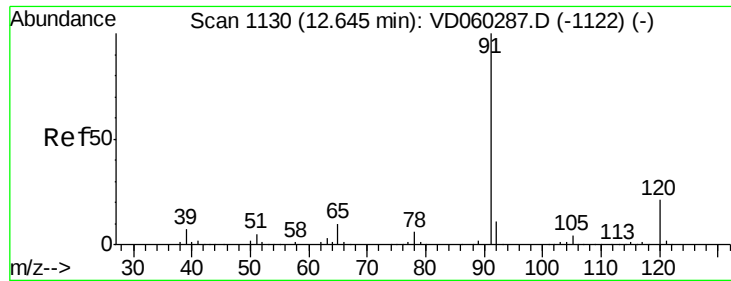
120 24.6 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

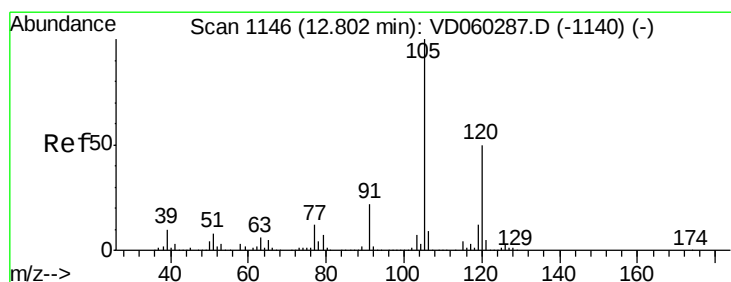
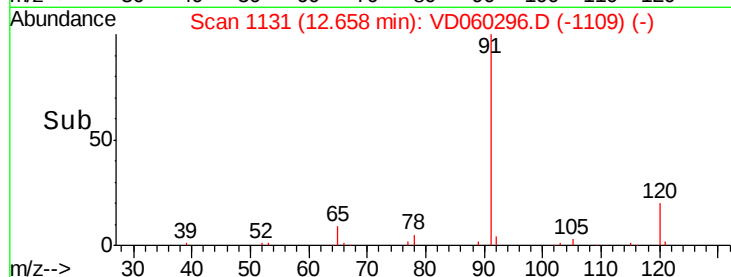
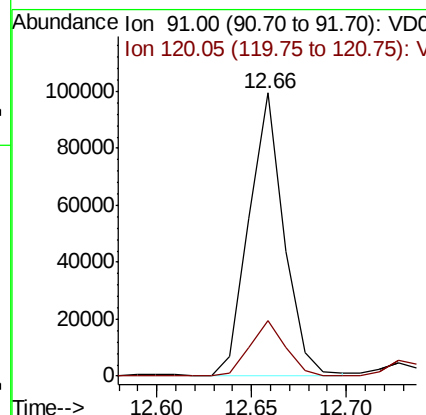
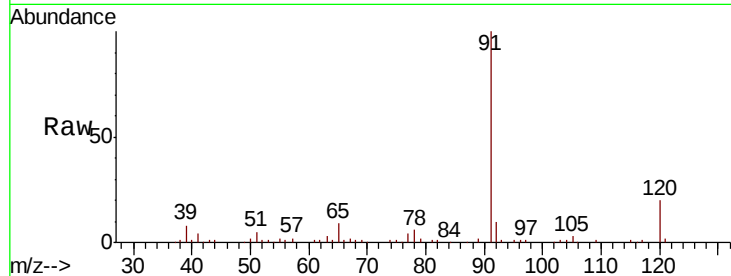




#78
n-propylbenzene
Concen: 2.630 ug/l
RT: 12.66 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VD060296.D
Acq: 7 Nov 2018 12:57

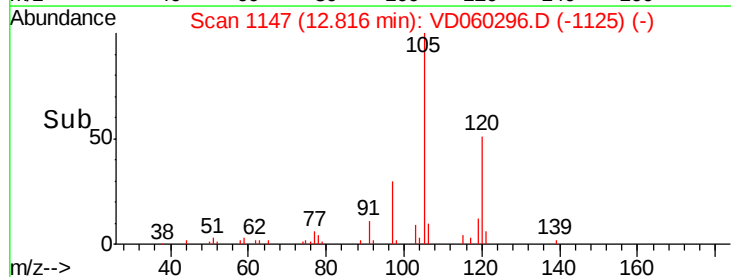
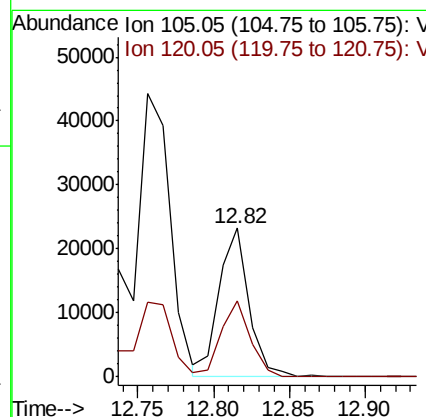
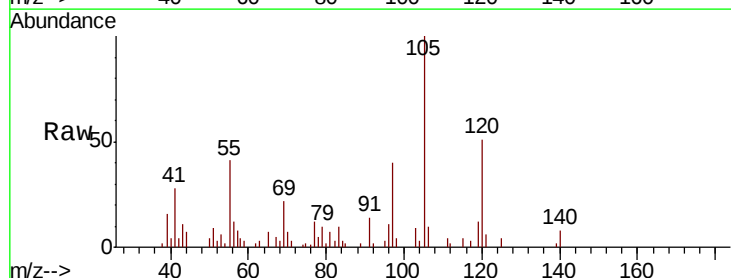
Instrument :
MSVOA_D
ClientSampled :
SB-4

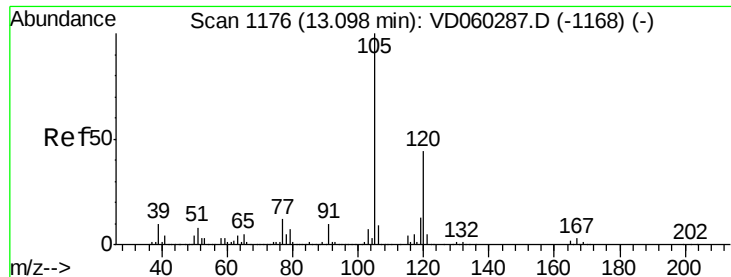
Tot Ion: 91 Resp: 126395
Ion Ratio Lower Upper
91 100
120 19.6 10.4 31.4



#80
1,3,5-Trimethylbenzene
Concen: 1.073 ug/l
RT: 12.82 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VD060296.D
Acq: 7 Nov 2018 12:57

Tgt Ion:105 Resp: 32107
Ion Ratio Lower Upper
105 100
120 51.5 24.4 73.4





#84

1,2,4-Trimethylbenzene

Concen: 6.596 ug/l

RT: 13.11 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VD060296.D

Acq: 7 Nov 2018 12:57

Instrument :

MSVOA_D

ClientSampleId :

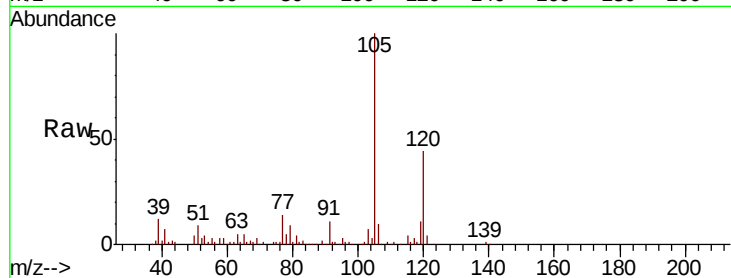
SB-4

Tot Ion:105 Resp: 197094

Ion Ratio Lower Upper

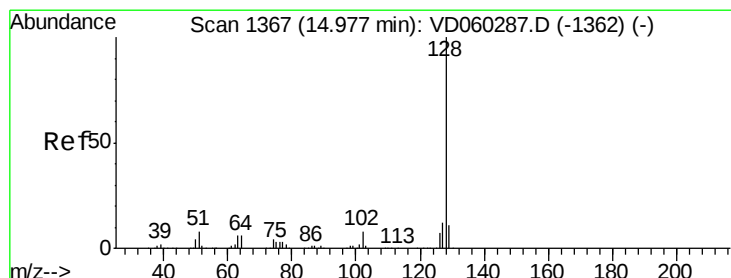
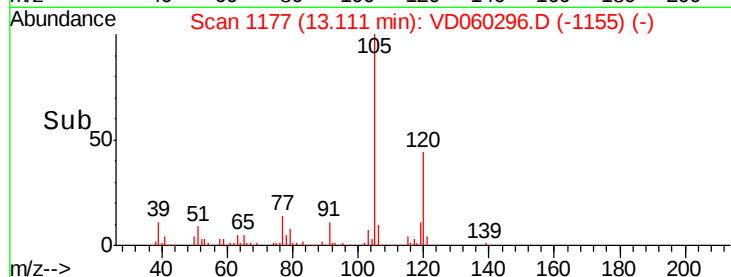
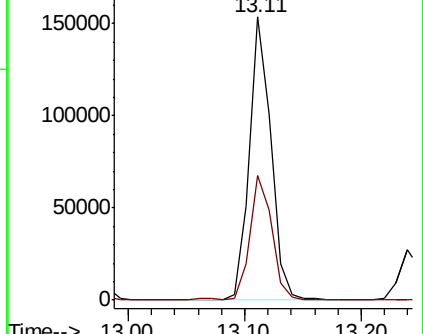
105 100

120 43.9 21.9 65.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#95

Naphthalene

Concen: 350.172 ug/l

RT: 14.99 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VD060296.D

Acq: 7 Nov 2018 12:57

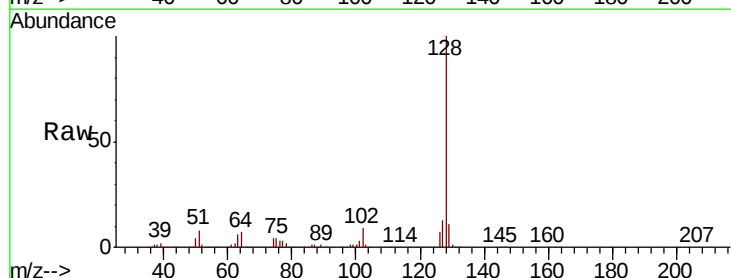
Tgt Ion:128 Resp: 5066597

Ion Ratio Lower Upper

128 100

127 12.9 9.6 14.4

129 11.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

