

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062836.D
 Acq On : 24 Jun 2019 13:21
 Operator : VA/AP
 Sample : K3482-07
 Misc : 5.56g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4

Quant Time: Jun 25 05:21:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	794467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1127167	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	788803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	339949	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	373967	43.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.60%	
35) Dibromofluoromethane	6.93	113	437318	46.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.02%	
50) Toluene-d8	10.42	98	872258	42.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.34%	
62) 4-Bromofluorobenzene	13.56	95	303938	32.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	64.62%	

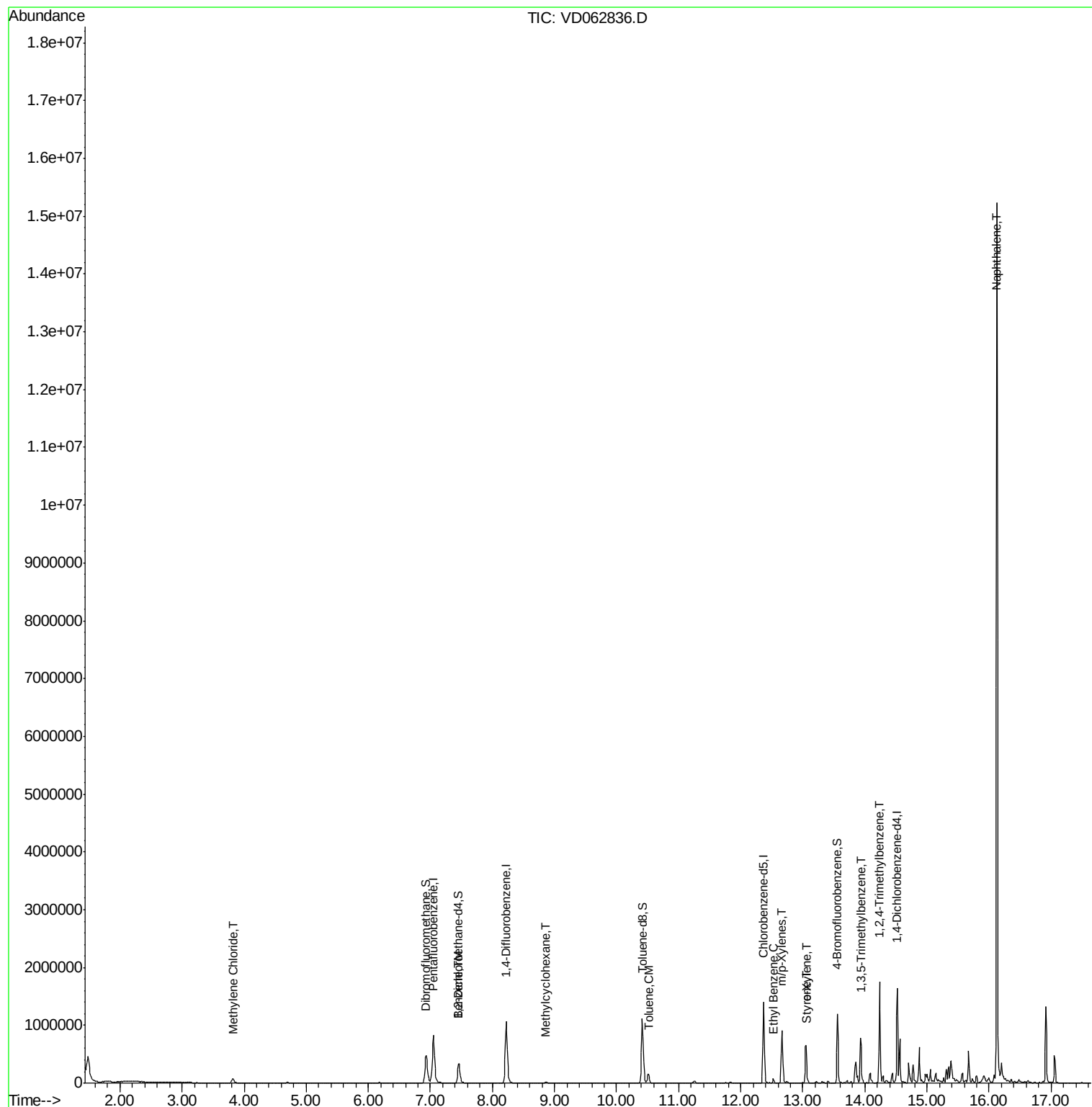
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.82	84	47377	7.194	ug/l #	95
39) Methylcyclohexane	8.86	83	10630	1.132	ug/l	98
40) Benzene	7.46	78	21865	1.021	ug/l	93
52) Toluene	10.51	92	76964	5.346	ug/l	100
67) Ethyl Benzene	12.52	91	43279	1.647	ug/l	98
68) m/p-Xylenes	12.66	106	249869	27.295	ug/l	92
69) o-Xylene	13.04	106	156981	18.759	ug/l	92
70) Styrene	13.07	104	30191	2.054	ug/l	91
80) 1,3,5-Trimethylbenzene	13.93	105	375362	20.502	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	804481	42.870	ug/l	96
95) Naphthalene	16.13	128	8485539	861.939	ug/l #	92

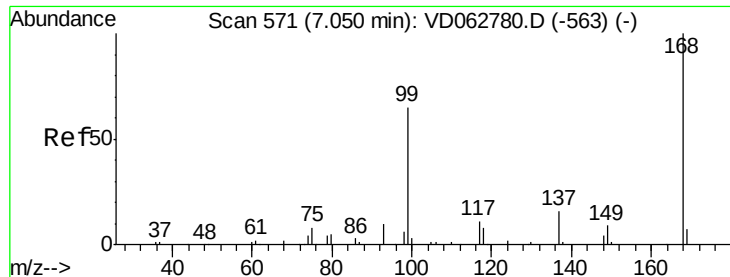
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\
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Instrument :
MSVOA_D
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TP-4

Quant Time: Jun 25 05:21:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD062836.D

Acq: 24 Jun 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

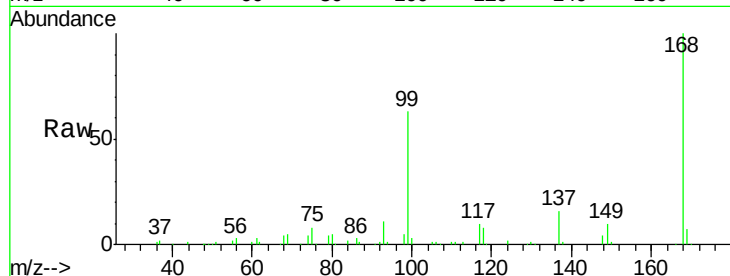
TP-4

Tot Ion:168 Resp: 794467

Ion Ratio Lower Upper

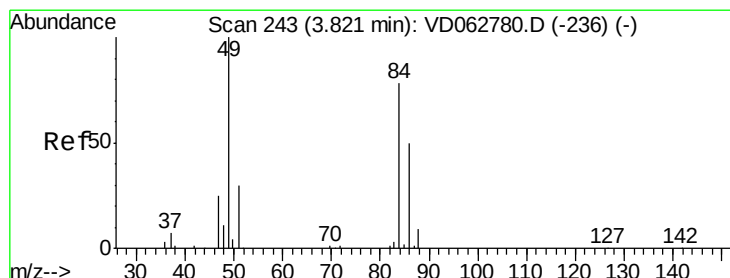
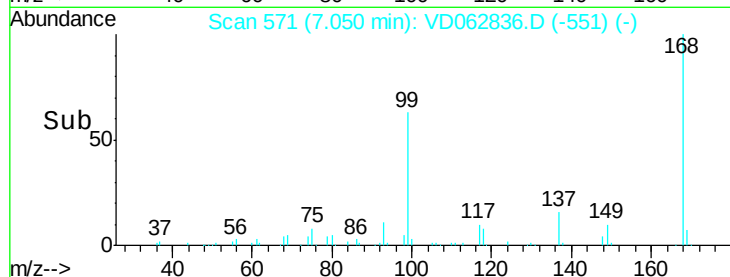
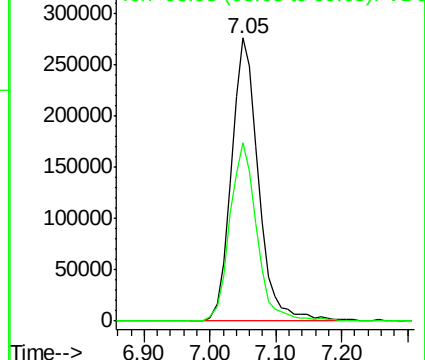
168 100

99 62.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 7.194 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD062836.D

Acq: 24 Jun 2019 13:21

Tgt Ion: 84 Resp: 47377

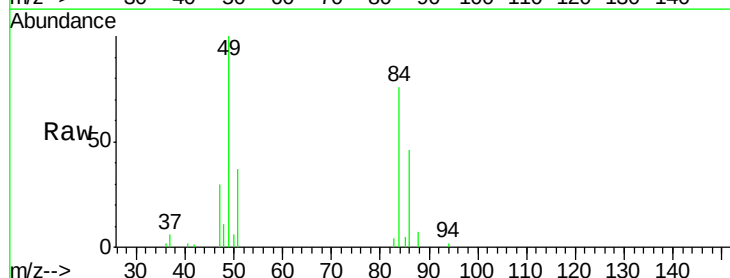
Ion Ratio Lower Upper

84 100

49 132.4 102.9 154.3

51 48.5 31.2 46.8#

86 61.5 51.4 77.2

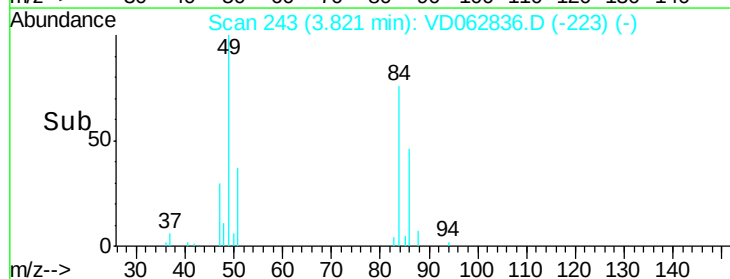
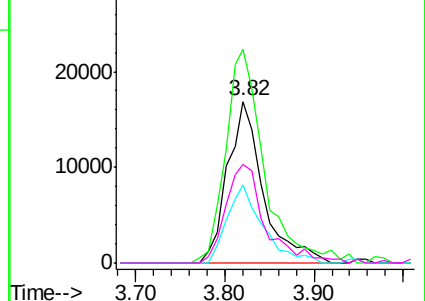


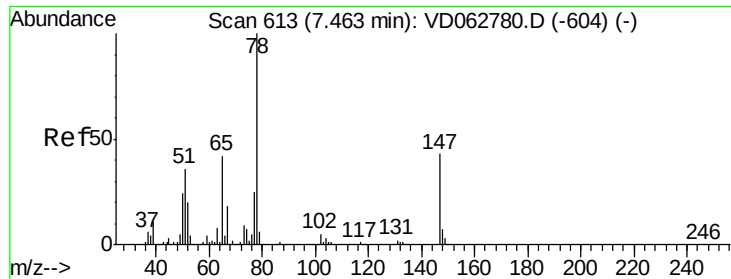
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

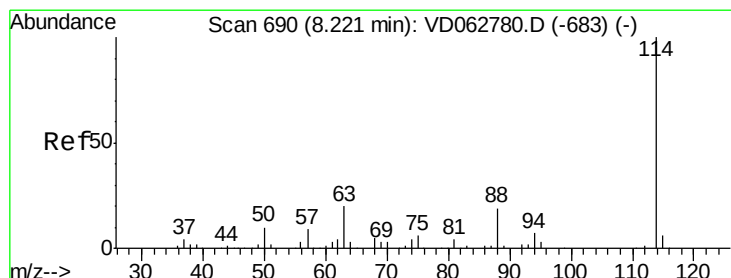
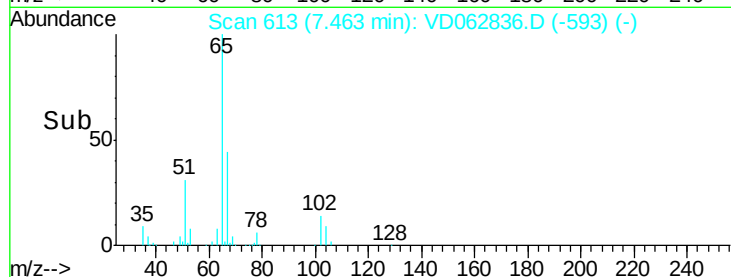
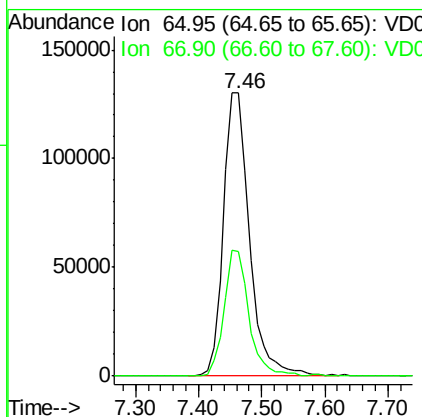
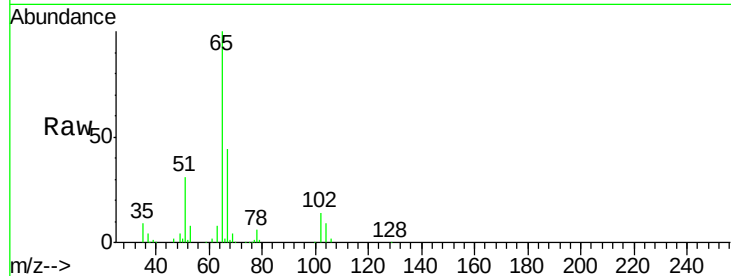




#33
 1,2-Dichloroethane-d4
 Concen: 43.305 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD062836.D
 Acq: 24 Jun 2019 13:21

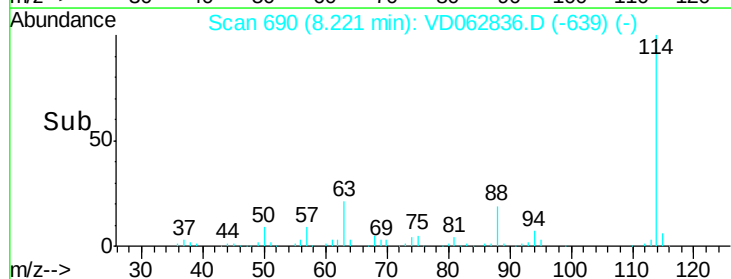
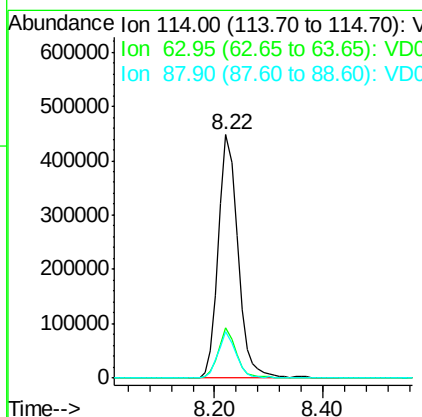
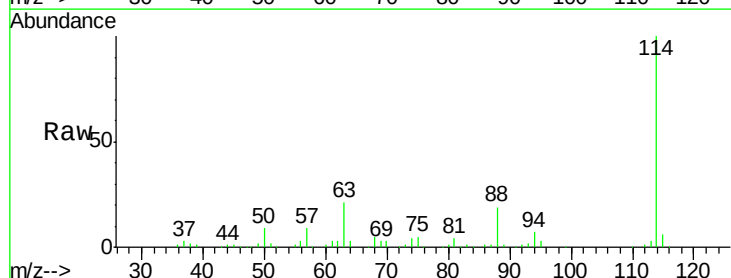
Instrument :
 MSVOA_D
 ClientSampled :
 TP-4

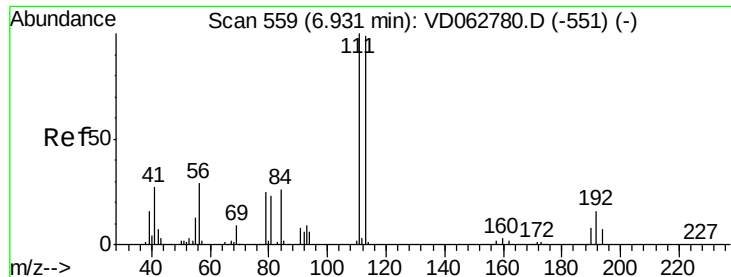
Tot Ion: 65 Resp: 373967
 Ion Ratio Lower Upper
 65 100
 67 43.9 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD062836.D
 Acq: 24 Jun 2019 13:21

Tgt Ion: 114 Resp: 1127167
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.0
 88 18.9 0.0 38.8

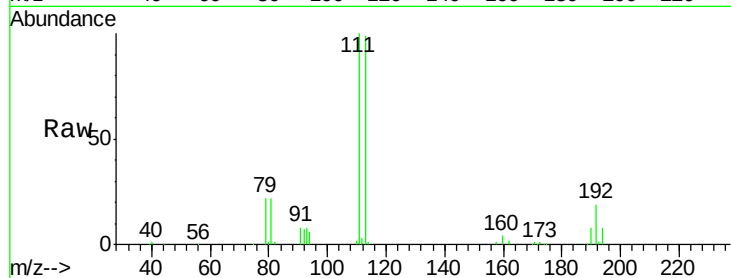




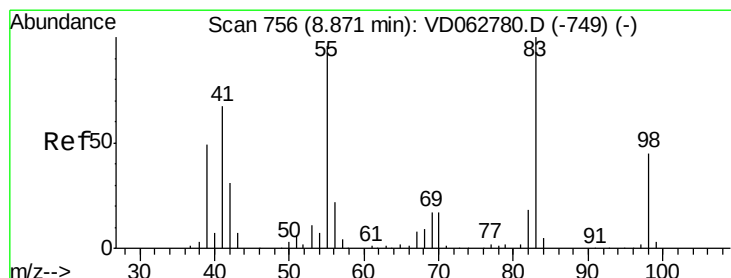
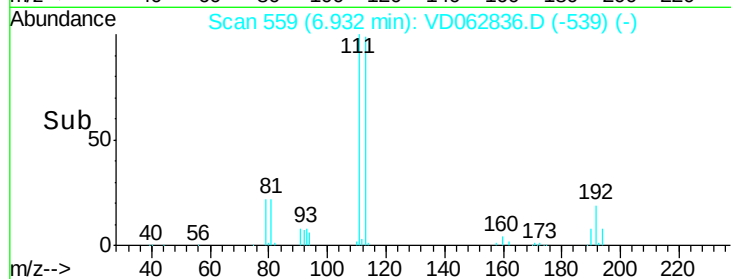
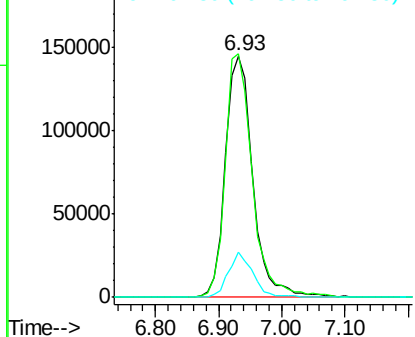
#35
Dibromofluoromethane
Concen: 46.013 ug/l
RT: 6.93 min Scan# 559
Delta R.T. 0.00 min
Lab File: VD062836.D
Acq: 24 Jun 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.2	121.8
192	18.8	12.9	19.3

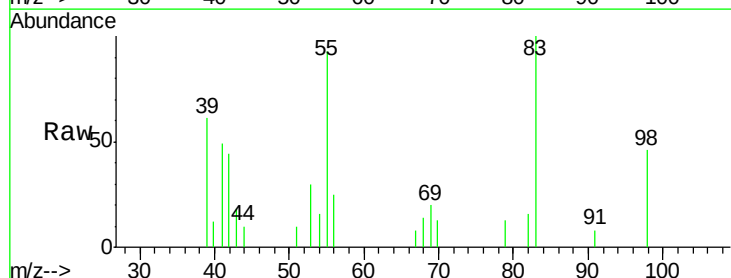


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

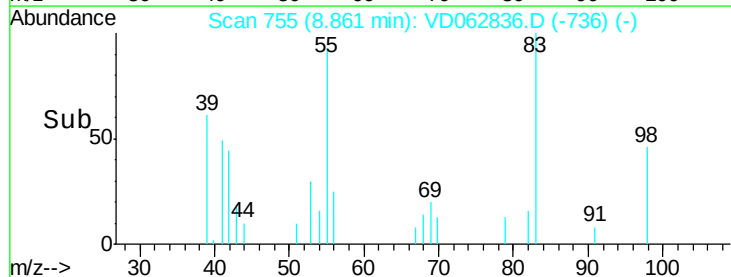
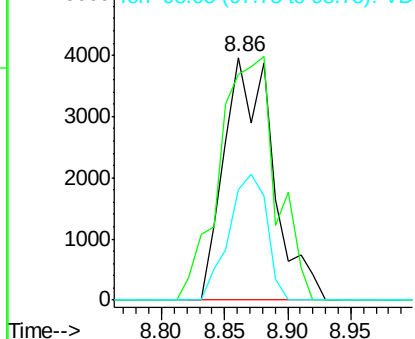


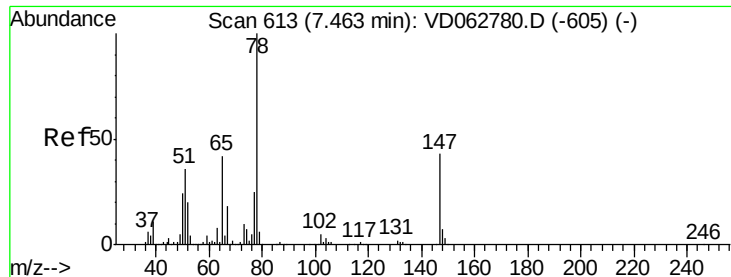
#39
Methylcyclohexane
Concen: 1.132 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD062836.D
Acq: 24 Jun 2019 13:21

Tgt Ion	Ratio	Lower	Upper
83	100		
55	93.2	76.6	115.0
98	45.8	35.7	53.5



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC





#40

Benzene

Concen: 1.021 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD062836.D

Acq: 24 Jun 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

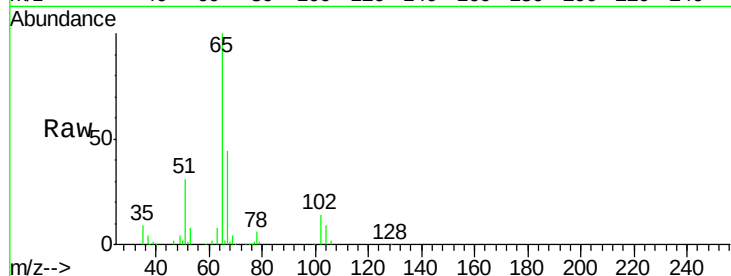
TP-4

Tot Ion: 78 Resp: 21865

Ion Ratio Lower Upper

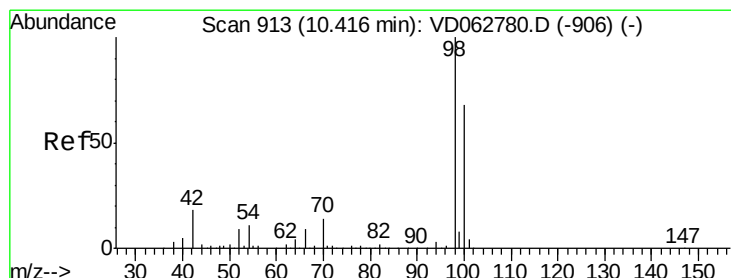
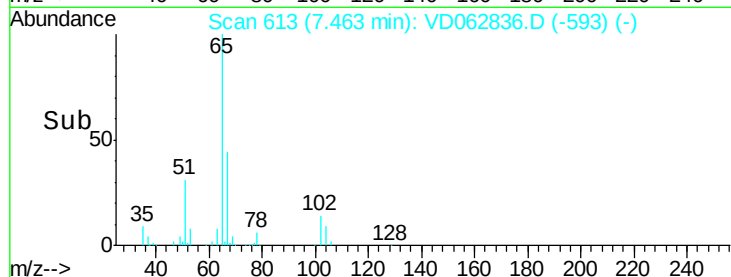
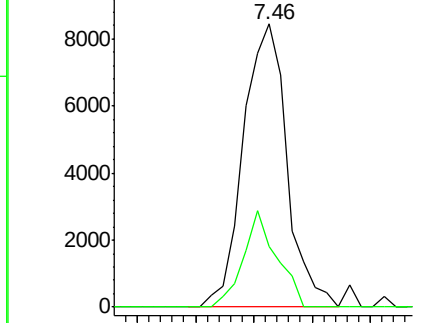
78 100

77 21.6 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: 42.167 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD062836.D

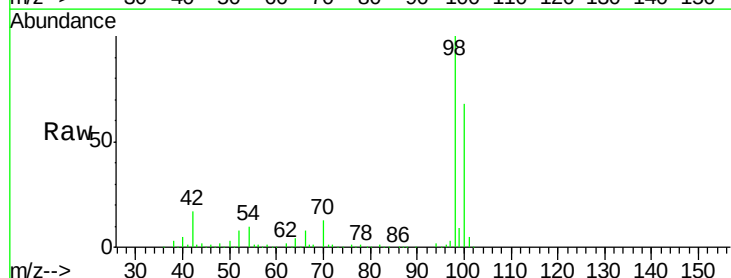
Acq: 24 Jun 2019 13:21

Tgt Ion: 98 Resp: 872258

Ion Ratio Lower Upper

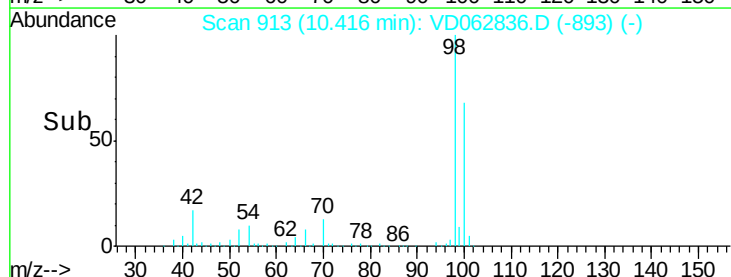
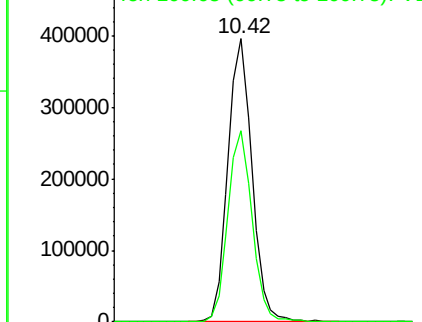
98 100

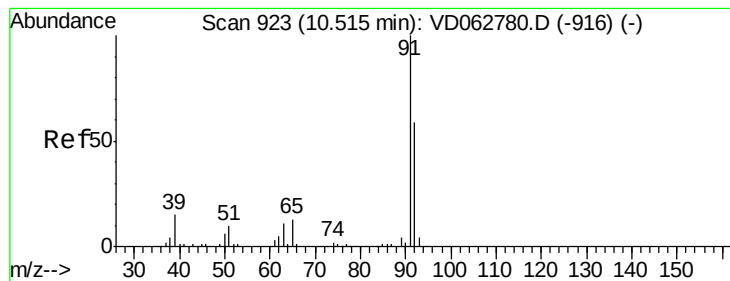
100 67.5 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 5.346 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD062836.D

Acq: 24 Jun 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

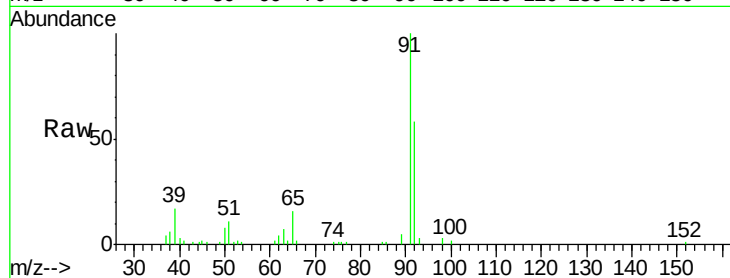
TP-4

Tot Ion: 92 Resp: 76964

Ion Ratio Lower Upper

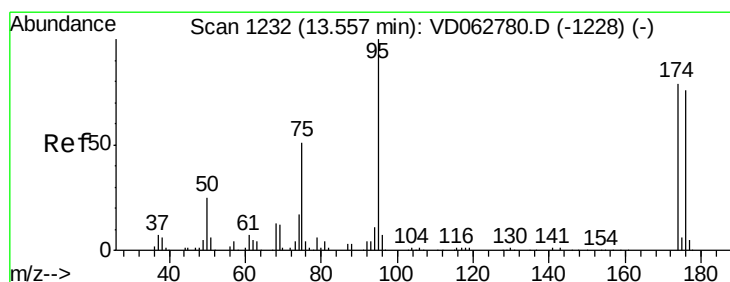
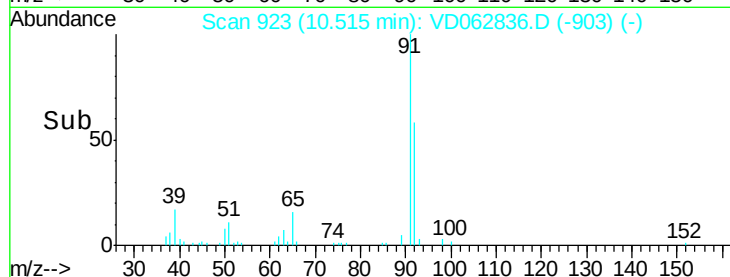
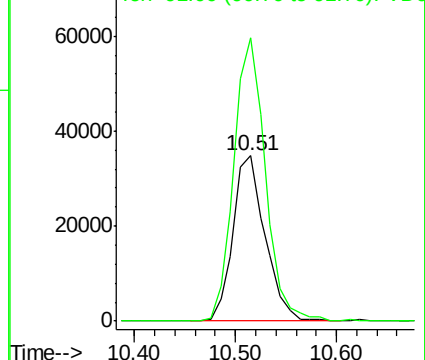
92 100

91 171.0 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 32.314 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062836.D

Acq: 24 Jun 2019 13:21

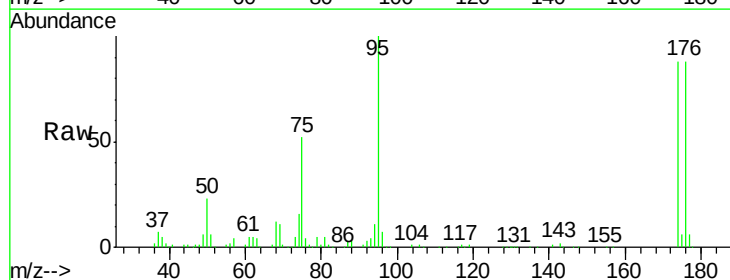
Tgt Ion: 95 Resp: 303938

Ion Ratio Lower Upper

95 100

174 88.4 0.0 158.0

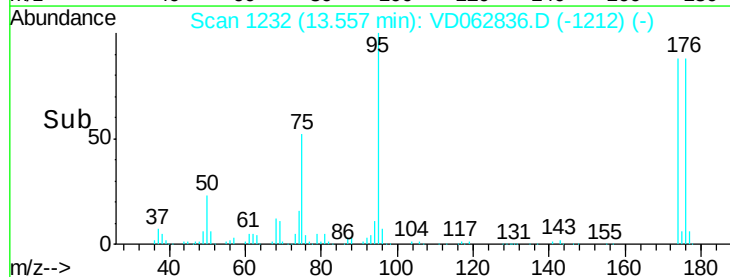
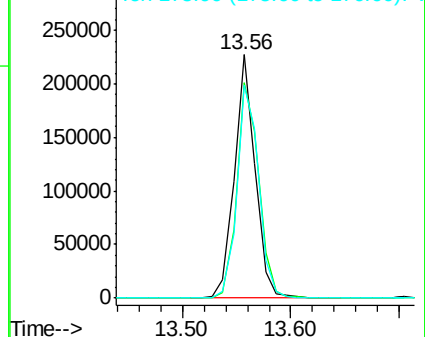
176 87.6 0.0 151.6

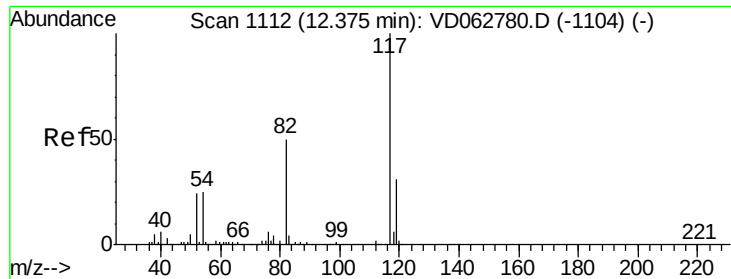


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

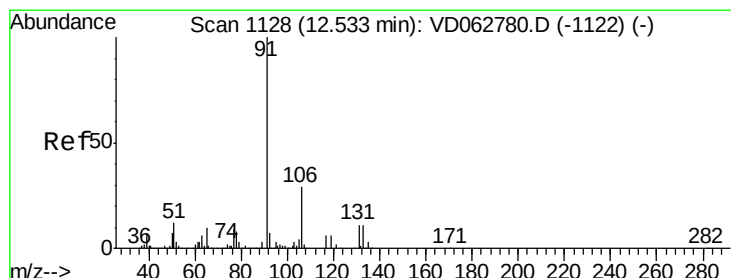
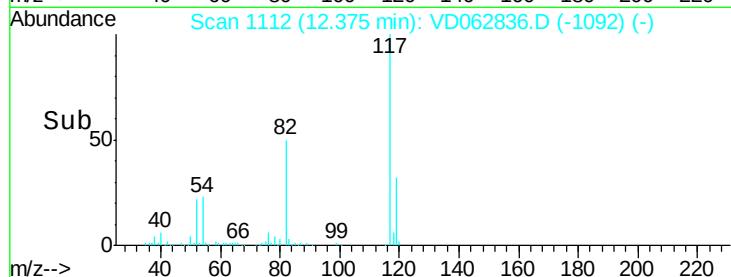
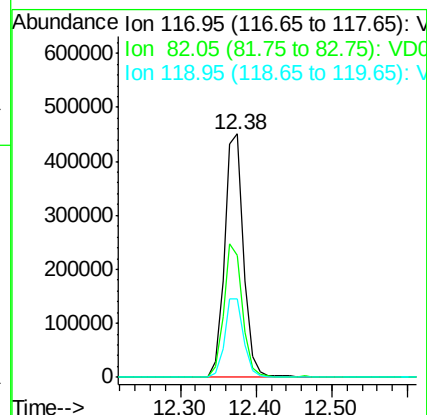
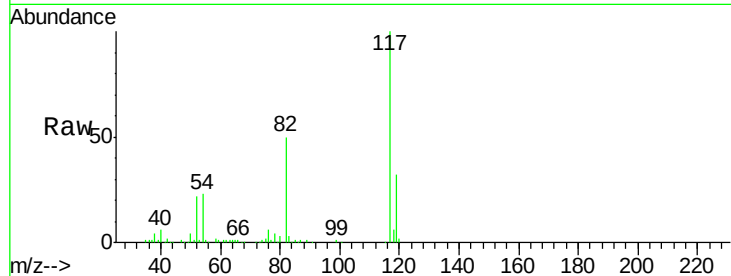




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062836.D
Acq: 24 Jun 2019 13:21

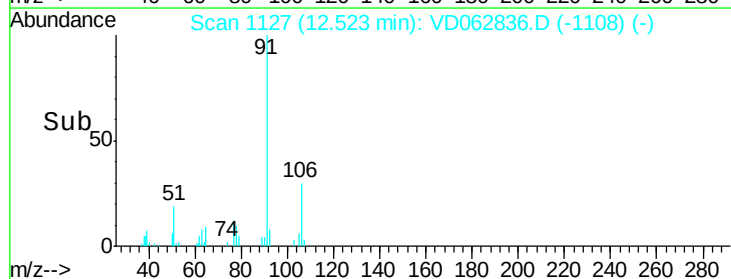
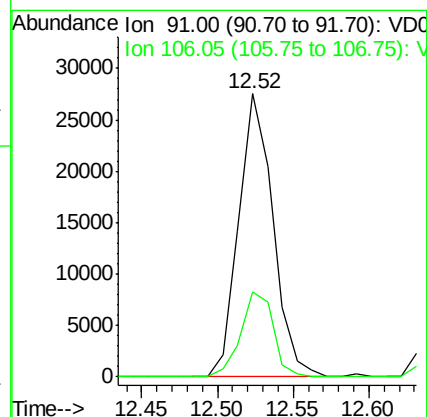
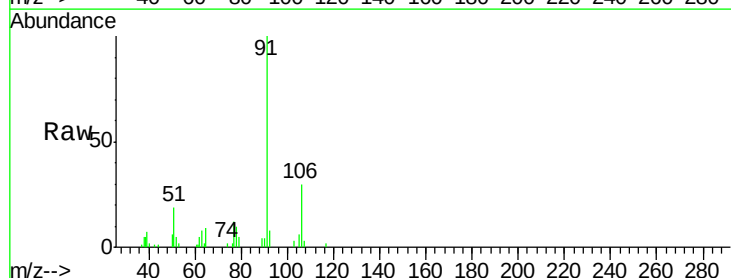
Instrument :
MSVOA_D
ClientSampled :
TP-4

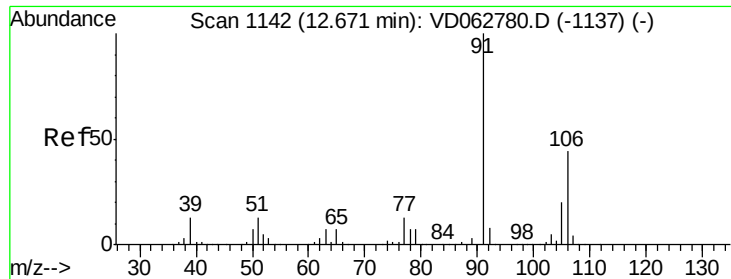
Tot Ion:117 Resp: 788803
Ion Ratio Lower Upper
117 100
82 50.0 40.4 60.6
119 32.4 25.2 37.8



#67
Ethyl Benzene
Concen: 1.647 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062836.D
Acq: 24 Jun 2019 13:21

Tgt Ion: 91 Resp: 43279
Ion Ratio Lower Upper
91 100
106 30.0 23.1 34.7

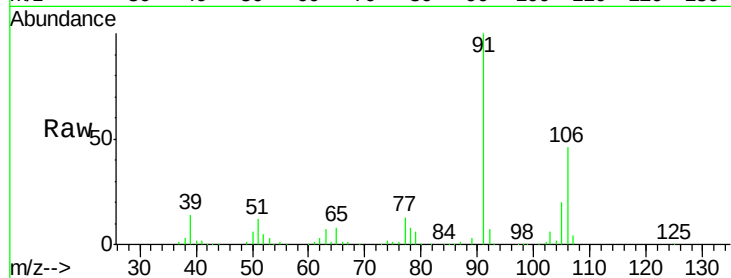




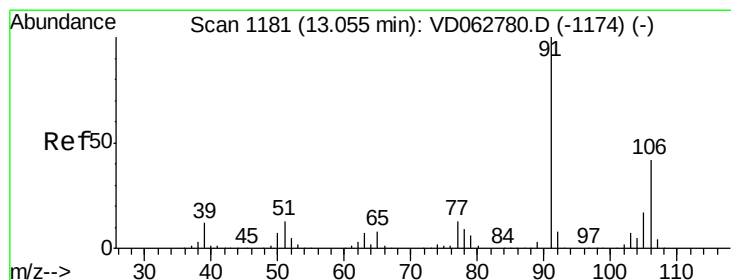
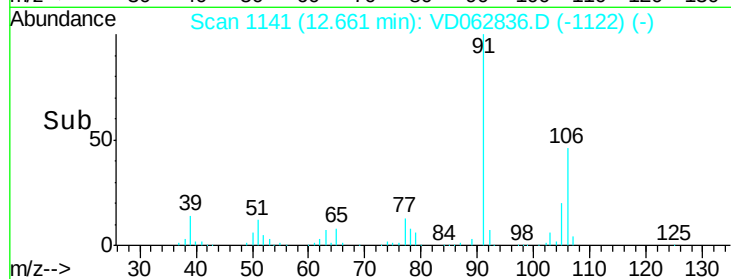
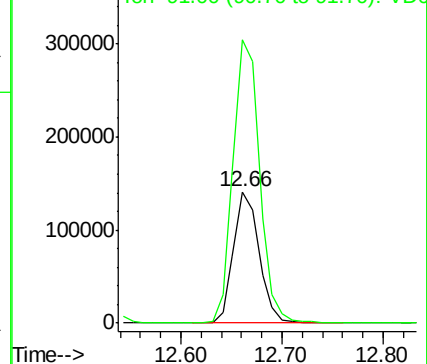
#68
m/p-Xylenes
Concen: 27.295 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062836.D
Acq: 24 Jun 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
TP-4

Tot Ion:106 Resp: 249869
Ion Ratio Lower Upper
106 100
91 215.1 183.0 274.6

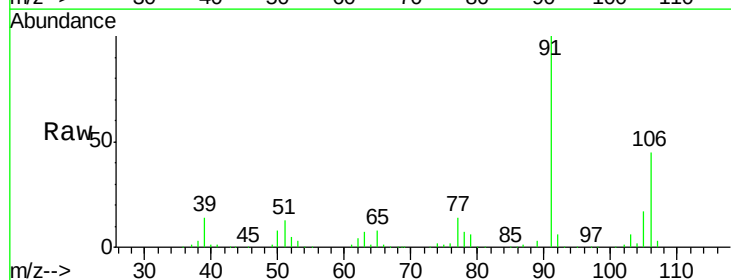


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

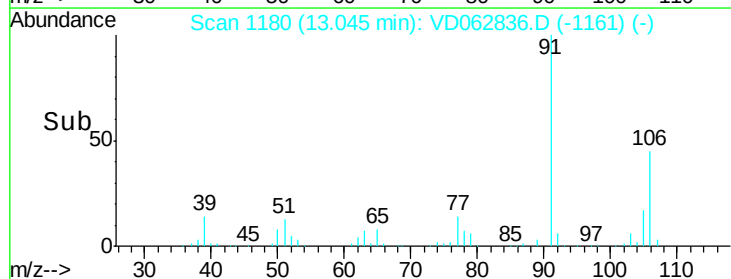
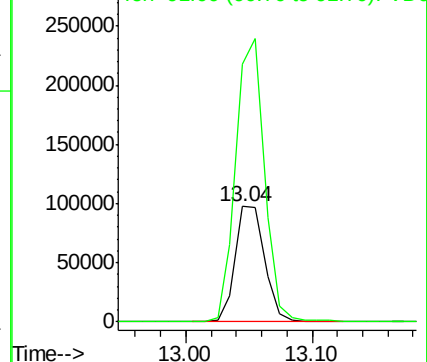


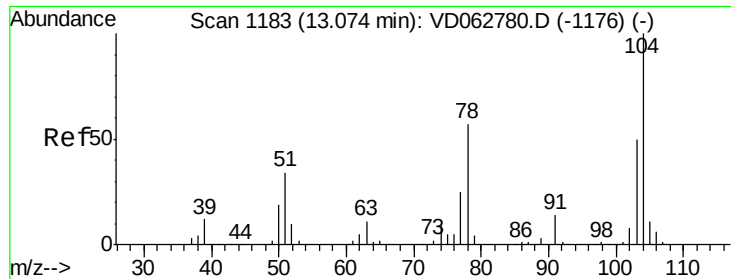
#69
o-Xylene
Concen: 18.759 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062836.D
Acq: 24 Jun 2019 13:21

Tgt Ion:106 Resp: 156981
Ion Ratio Lower Upper
106 100
91 222.8 117.9 353.6



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

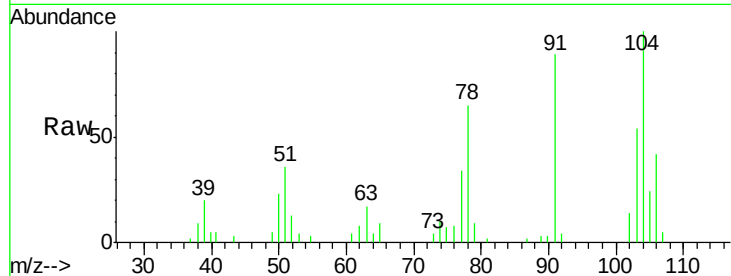




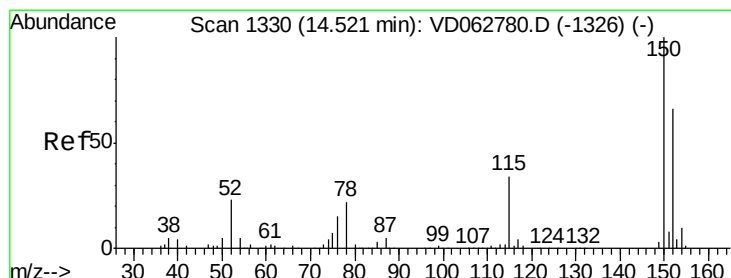
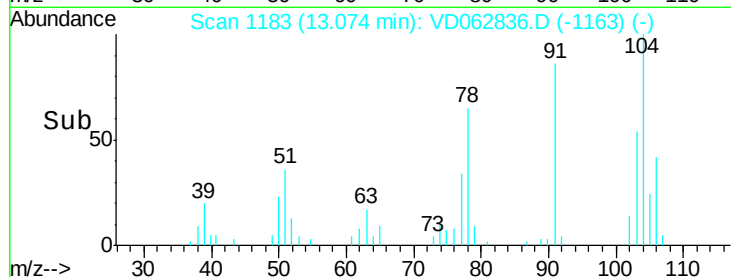
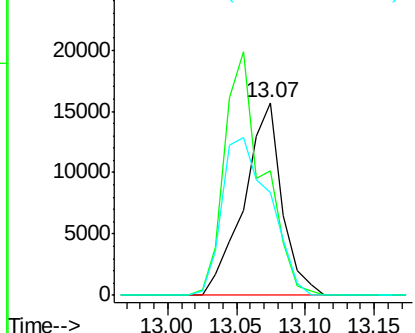
#70
Stvrene
Concen: 2.054 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062836.D
Acq: 24 Jun 2019 13:21

Instrument :
MSVOA_D
ClientSampled :
TP-4

Tot Ion:104 Resp: 30191
Ion Ratio Lower Upper
104 100
78 64.7 45.4 68.2
103 53.7 39.7 59.5

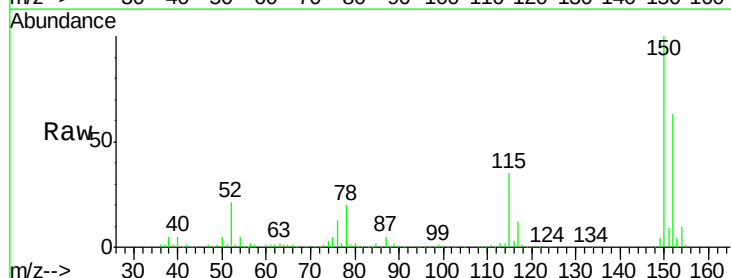


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

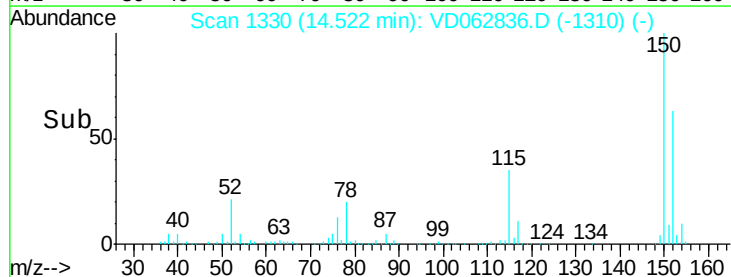
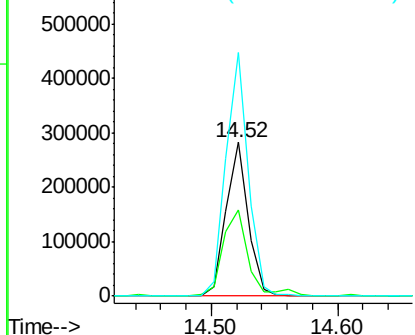


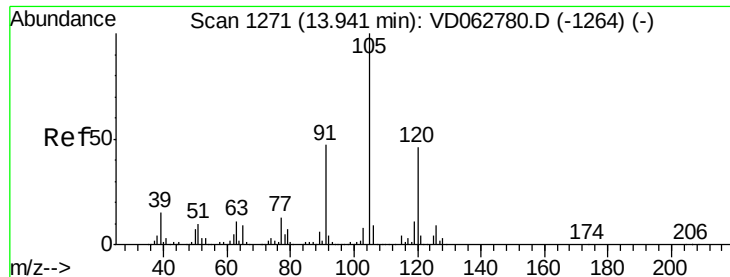
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062836.D
Acq: 24 Jun 2019 13:21

Tgt Ion:152 Resp: 339949
Ion Ratio Lower Upper
152 100
115 55.8 29.2 87.6
150 158.2 0.0 305.8



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

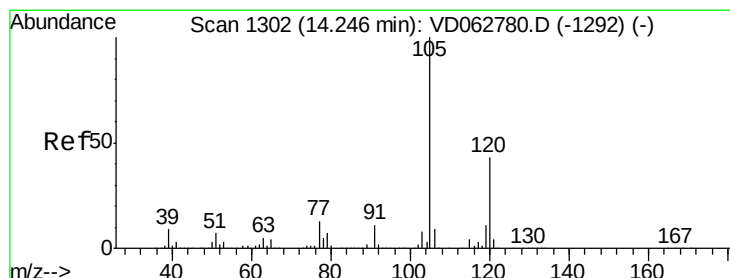
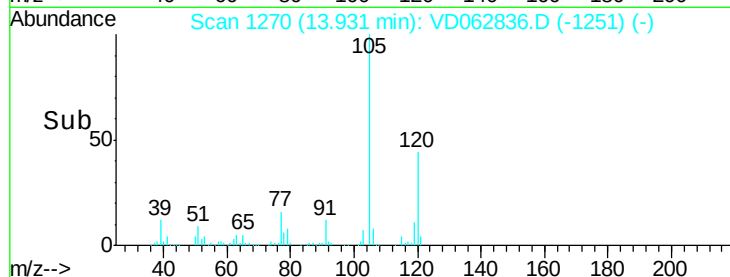
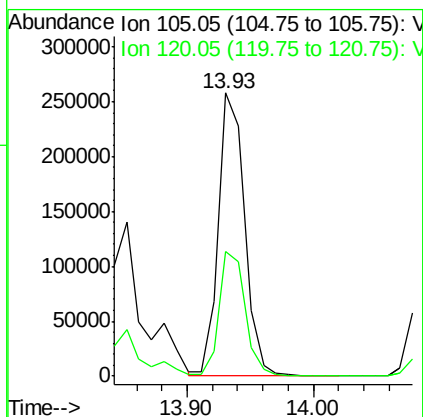
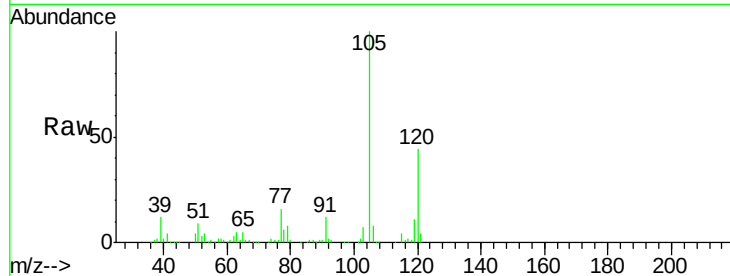




#80
 1,3,5-Trimethylbenzene
 Concen: 20.502 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062836.D
 Acq: 24 Jun 2019 13:21

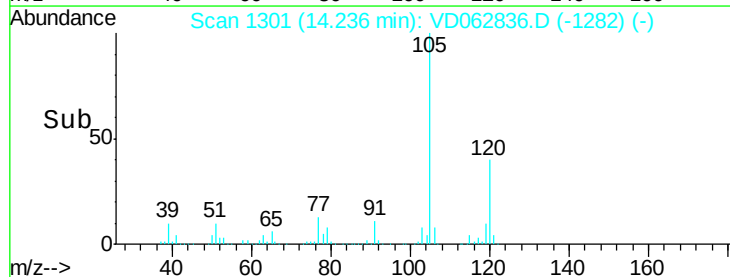
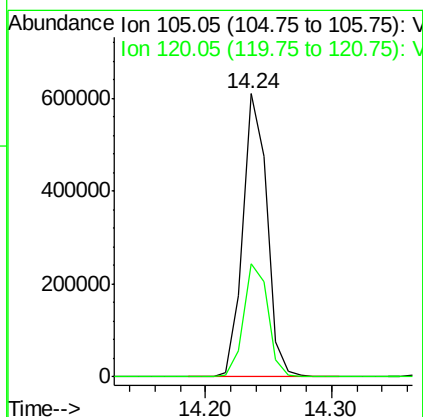
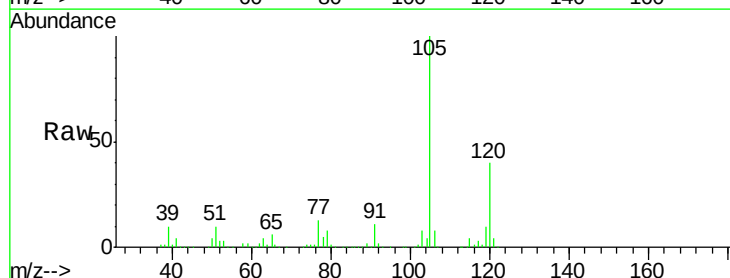
Instrument :
 MSVOA_D
 ClientSampled :
 TP-4

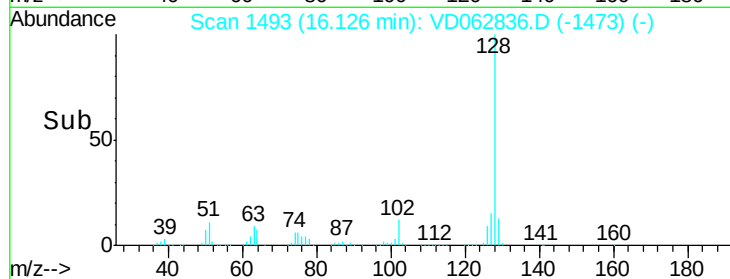
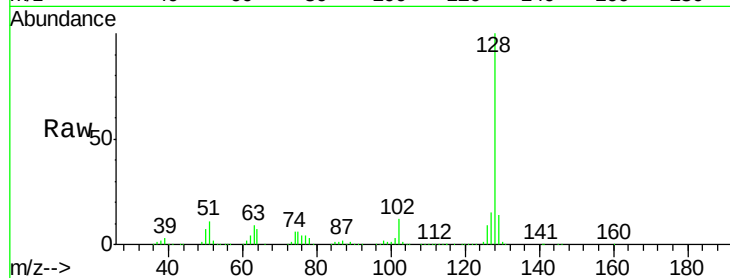
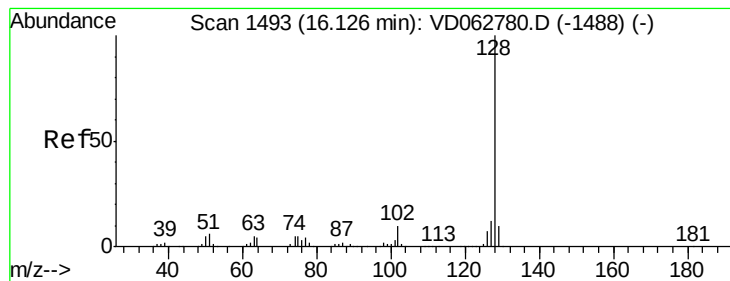
Tot Ion:105 Resp: 375362
 Ion Ratio Lower Upper
 105 100
 120 44.0 23.1 69.2



#84
 1,2,4-Trimethylbenzene
 Concen: 42.870 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062836.D
 Acq: 24 Jun 2019 13:21

Tgt Ion:105 Resp: 804481
 Ion Ratio Lower Upper
 105 100
 120 40.0 21.3 63.9





#95

Naphthalene

Concen: 861.939 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD062836.D

Acq: 24 Jun 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

TP-4

Tot Ion:128 Resp: 8485539

Ion Ratio Lower Upper

128 100

127 15.5 9.7 14.5#

129 13.5 8.3 12.5#

