

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031919\
 Data File : VD061183.D
 Acq On : 19 Mar 2019 14:21
 Operator : VA/AP
 Sample : K1970-07
 Misc : 5.85g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-7-WEST-WALL-SOUTH

Quant Time: Mar 19 15:07:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	616267	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.20	114	1142214	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	824494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	233906	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	259880	50.66	ug/l	-0.01
Spiked Amount			Recovery	=	101.32%	
35) Dibromofluoromethane	6.91	113	435001	51.32	ug/l	-0.01
Spiked Amount			Recovery	=	102.64%	
50) Toluene-d8	10.40	98	1017774	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	13.54	95	313490	37.95	ug/l	-0.01
Spiked Amount			Recovery	=	75.90%	

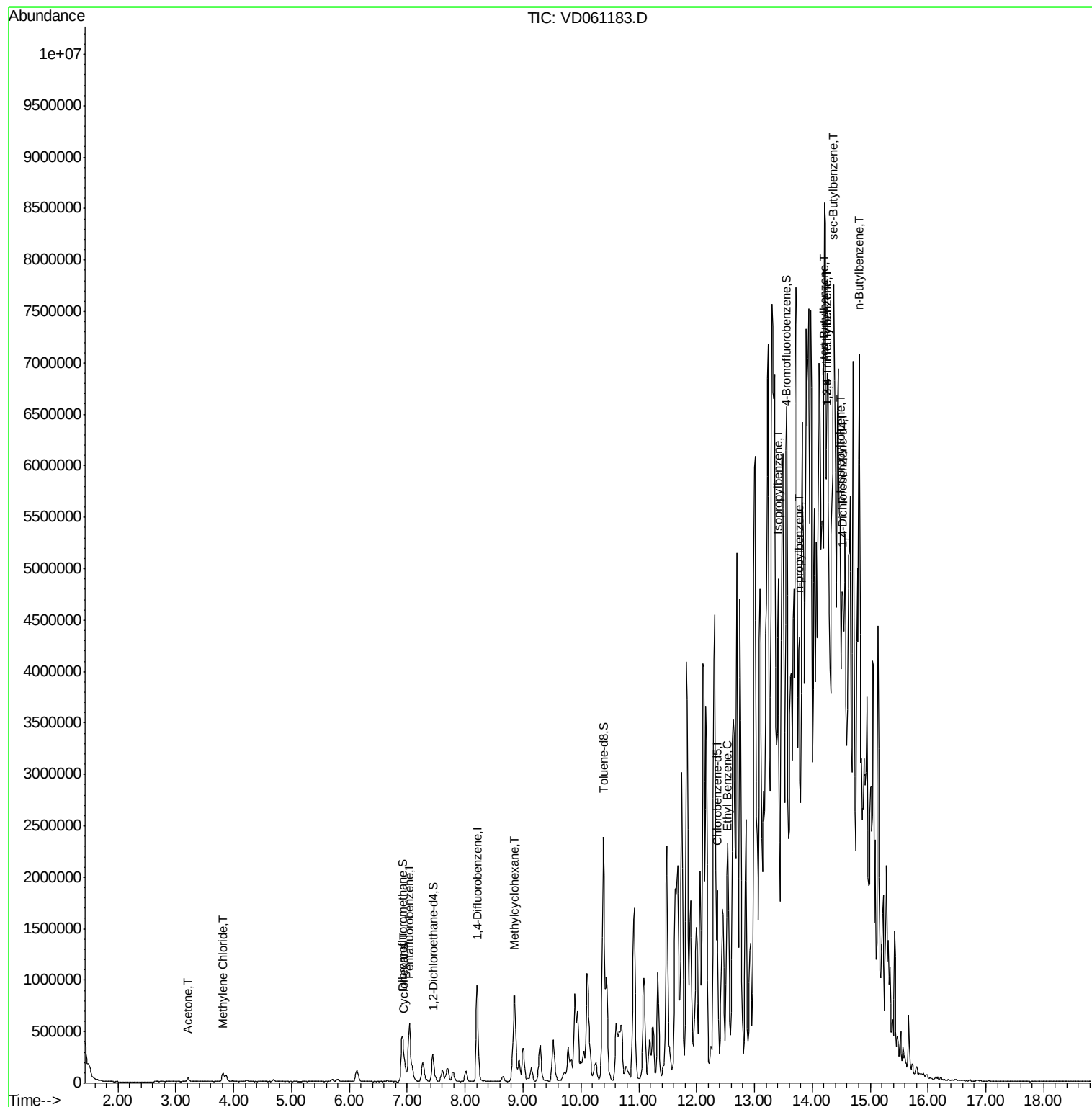
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	78254	53.347	ug/l	96
20) Methylene Chloride	3.81	84	59566	4.678	ug/l	93
31) Cyclohexane	6.95	56	67666	7.454	ug/l #	83
39) Methylcyclohexane	8.85	83	524211	51.347	ug/l	96
67) Ethyl Benzene	12.52	91	566978	23.562	ug/l	99
73) Isopropylbenzene	13.40	105	684271	40.593	ug/l	100
78) n-propylbenzene	13.78	91	1098983	55.688	ug/l	93
80) 1,3,5-Trimethylbenzene	14.24	105	207443	16.210	ug/l	99
83) tert-Butylbenzene	14.19	119	85560	6.109	ug/l	76
84) 1,2,4-Trimethylbenzene	14.24	105	207443	16.210	ug/l	99
85) sec-Butylbenzene	14.37	105	2029263	118.687	ug/l	98
86) p-Isopropyltoluene	14.49	119	198139	14.178	ug/l	91
89) n-Butylbenzene	14.80	91	926093	69.003	ug/l	91

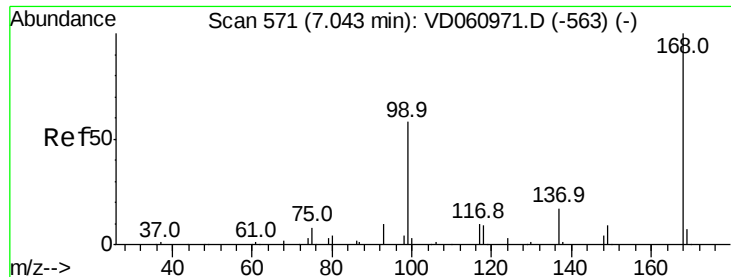
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061183.D

Acq: 19 Mar 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

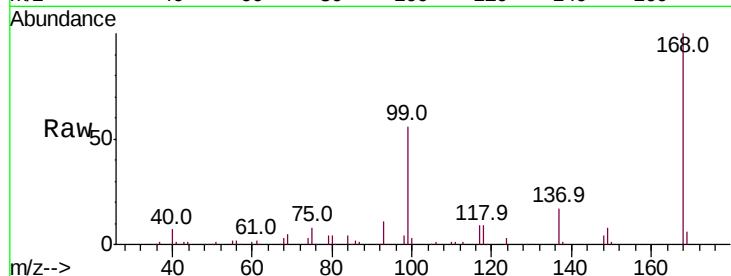
P-7-WEST-WALL-SOUTH

Tot Ion:168 Resp: 616267

Ion Ratio Lower Upper

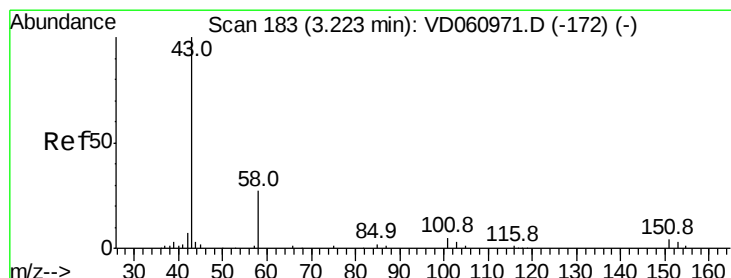
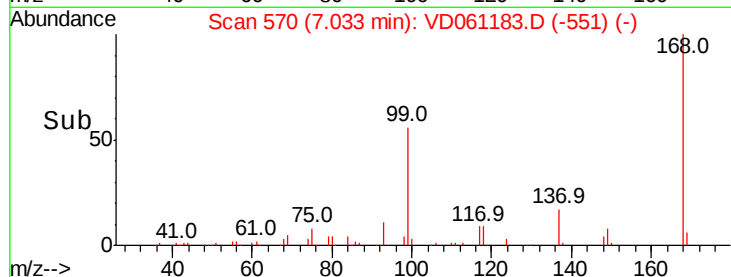
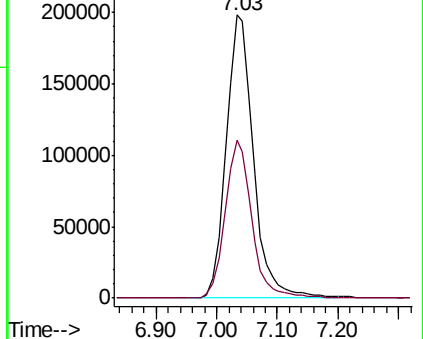
168 100

99 55.9 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 53.347 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061183.D

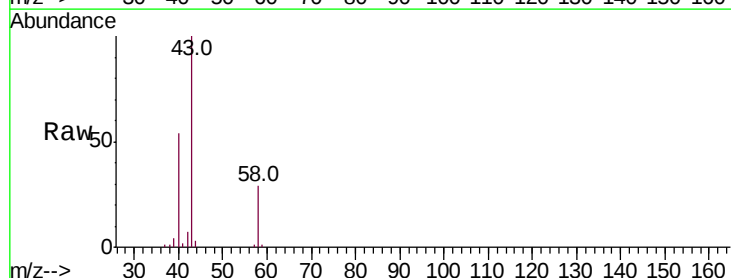
Acq: 19 Mar 2019 14:21

Tgt Ion: 43 Resp: 78254

Ion Ratio Lower Upper

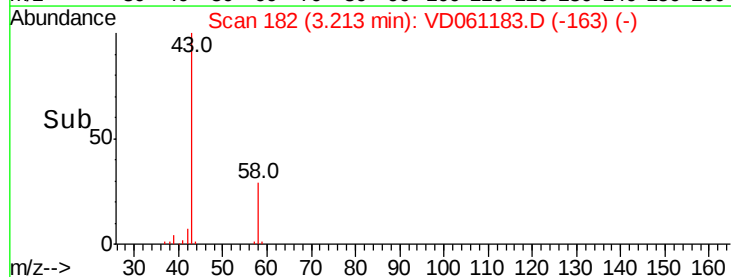
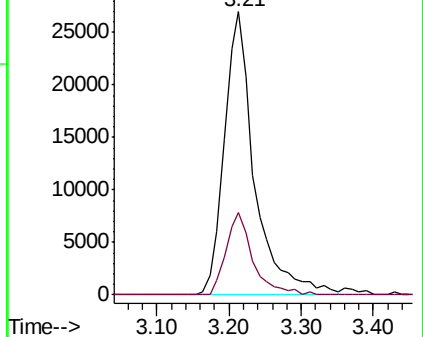
43 100

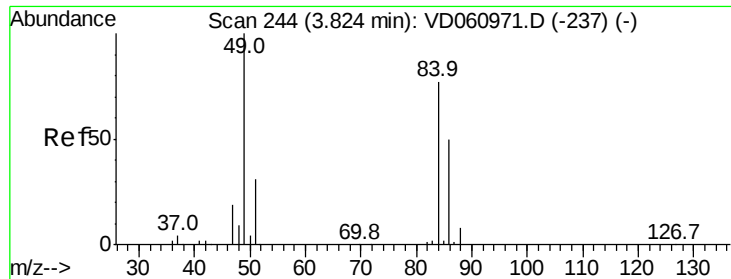
58 29.1 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

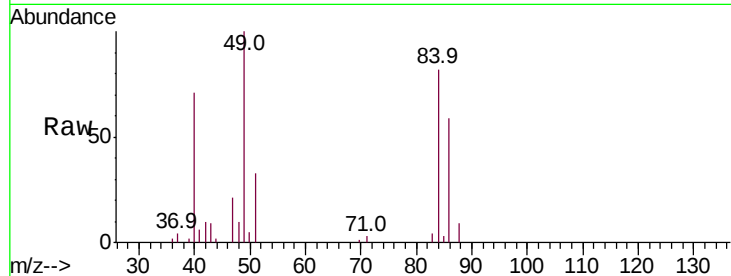




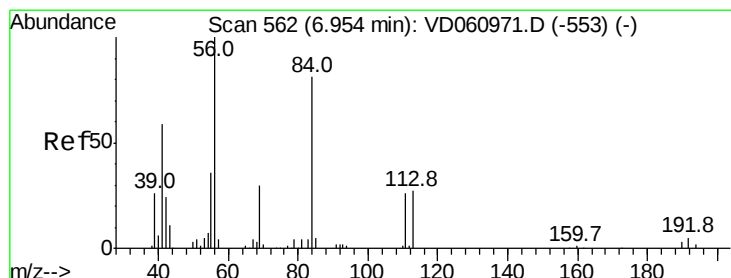
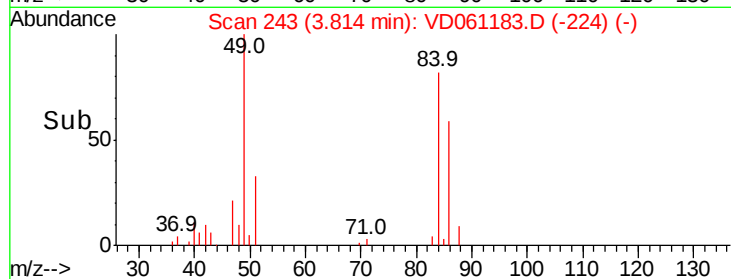
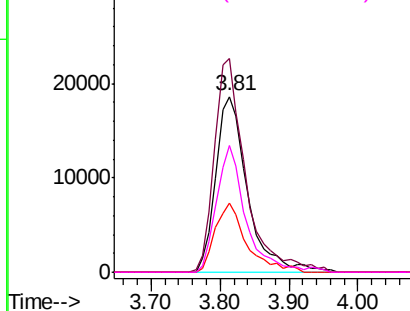
#20
Methvlene Chloride
Concen: 4.678 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061183.D
Acq: 19 Mar 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
P-7-WEST-WALL-SOUTH

Tot Ion: 84 Resp: 59566
Ion Ratio Lower Upper
84 100
49 121.7 104.2 156.2
51 39.7 32.3 48.5
86 72.4 52.3 78.5

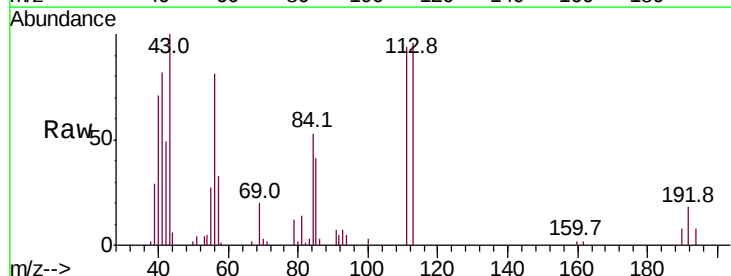


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

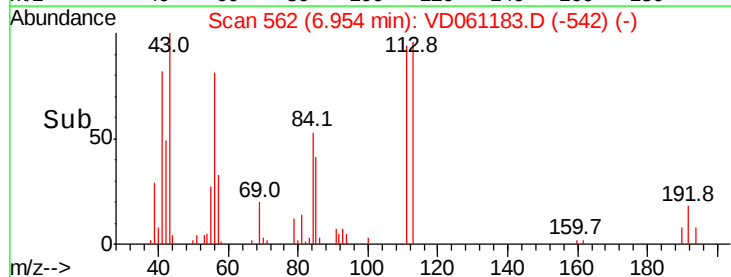
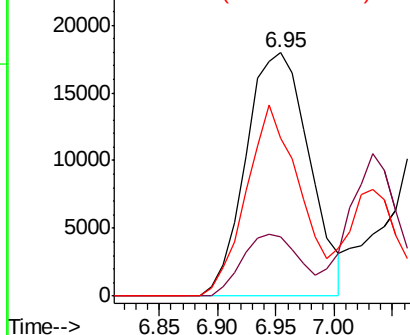


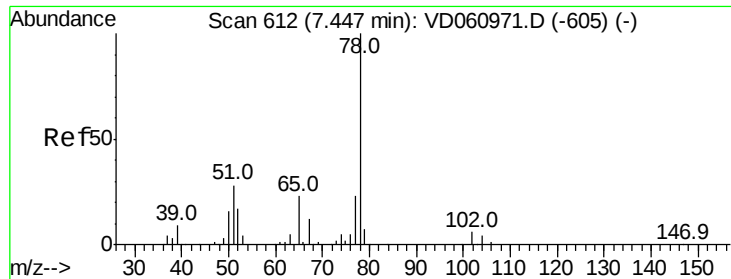
#31
Cyclohexane
Concen: 7.454 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD061183.D
Acq: 19 Mar 2019 14:21

Tgt Ion: 56 Resp: 67666
Ion Ratio Lower Upper
56 100
69 24.3 24.0 36.0
84 64.7 65.8 98.6#



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: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061183.D

Acq: 19 Mar 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

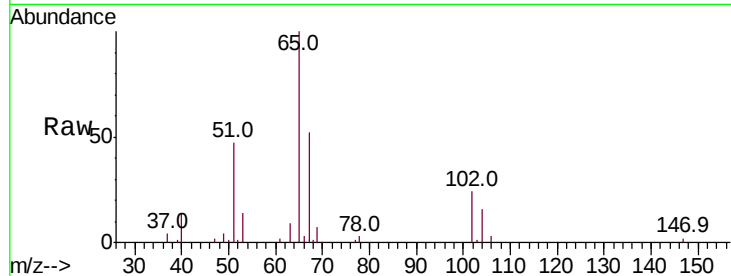
P-7-WEST-WALL-SOUTH

Tot Ion: 65 Resp: 259880

Ion Ratio Lower Upper

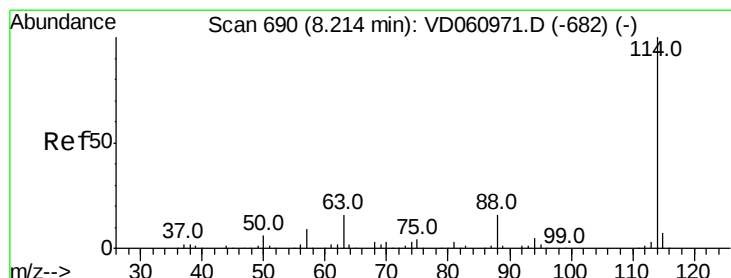
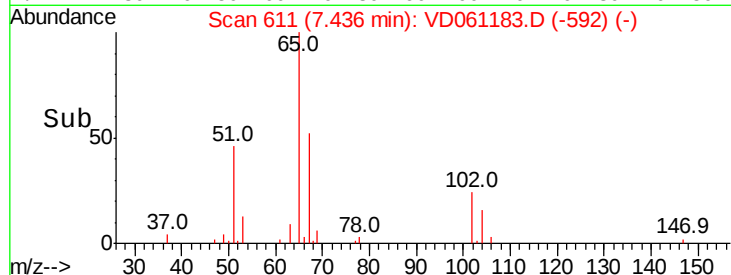
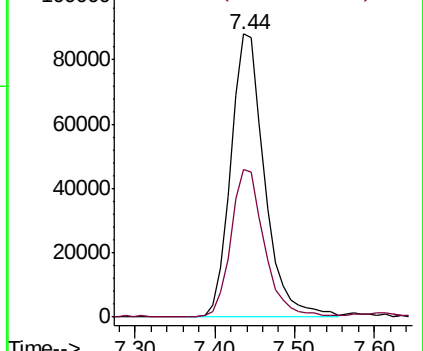
65 100

67 52.1 0.0 105.2



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: 8.20 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD061183.D

Acq: 19 Mar 2019 14:21

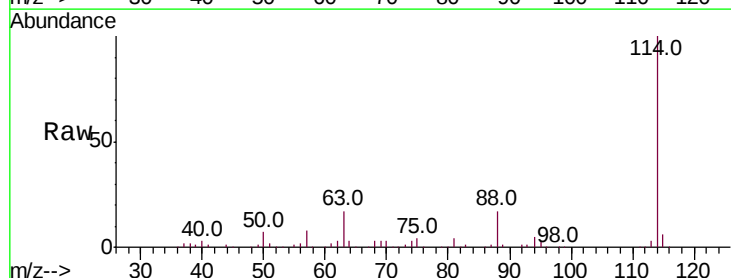
Tgt Ion: 114 Resp: 1142214

Ion Ratio Lower Upper

114 100

63 16.6 0.0 31.4

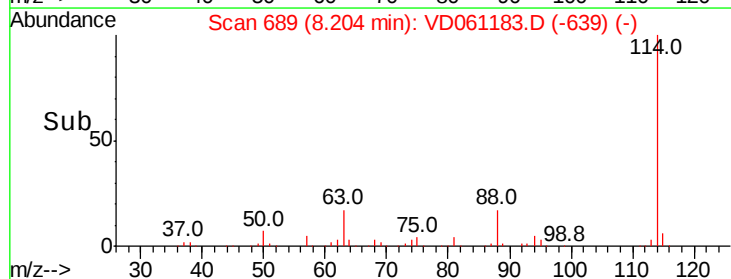
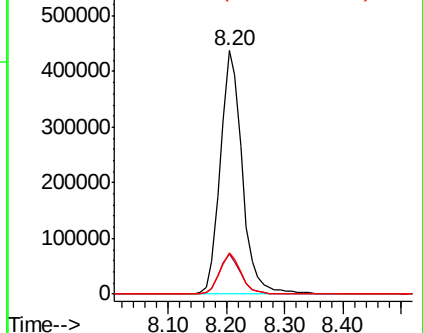
88 16.8 0.0 33.0

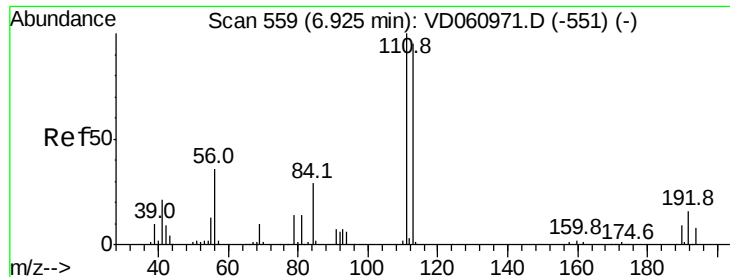


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

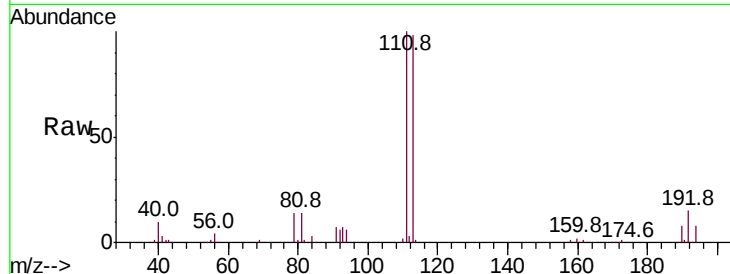




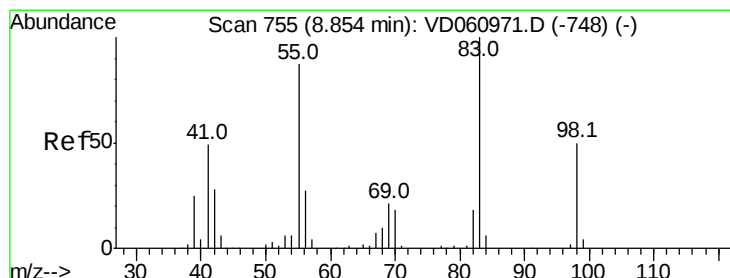
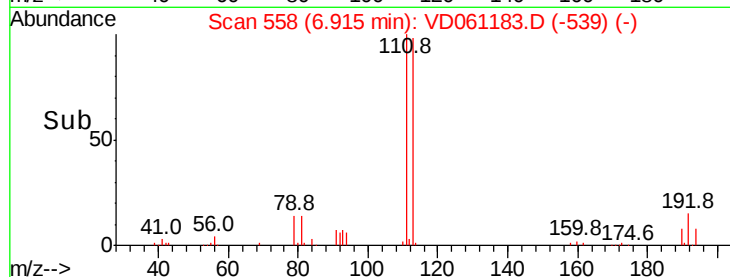
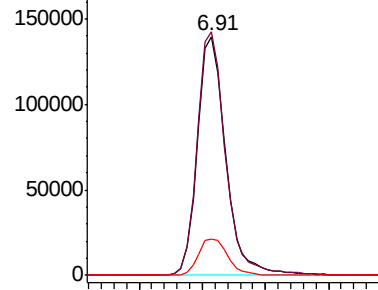
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.91 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD061183.D
Acq: 19 Mar 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
P-7-WEST-WALL-SOUTH

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	84.2	126.4
192	15.3	13.1	19.7

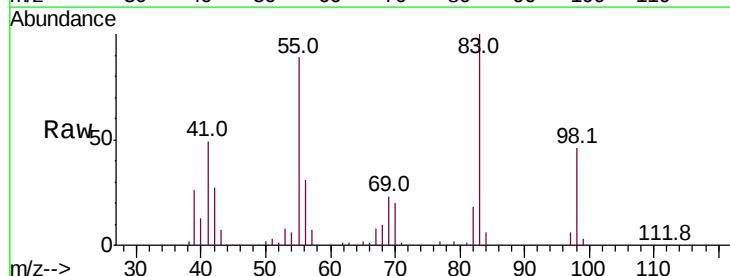


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

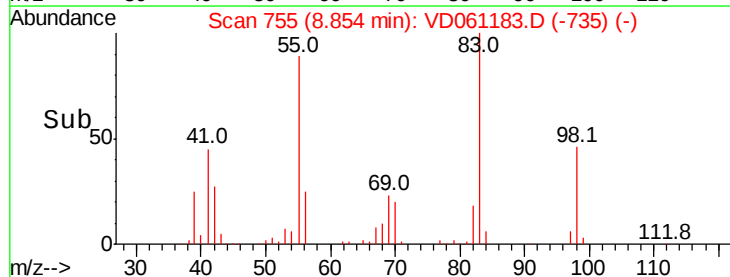
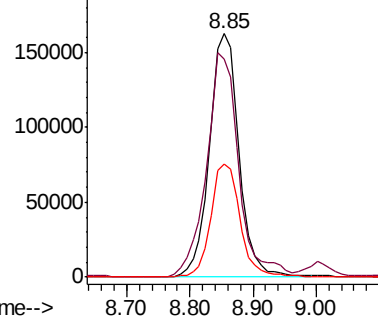


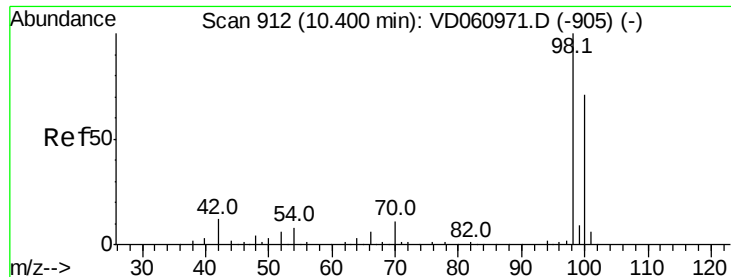
#39
Methylcyclohexane
Concen: 51.347 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD061183.D
Acq: 19 Mar 2019 14:21

Tgt Ion	Ratio	Lower	Upper
83	100		
55	89.4	69.6	104.4
98	46.4	40.0	60.0



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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD061183.D

Acq: 19 Mar 2019 14:21

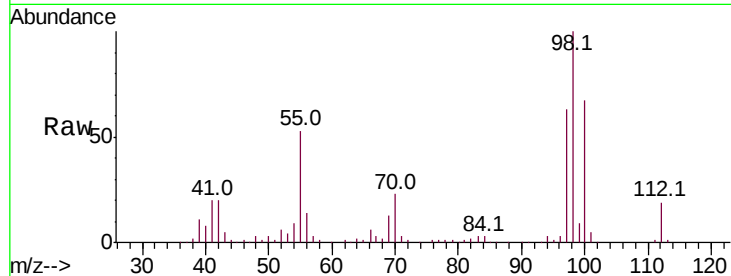
Instrument :
MSVOA_D
ClientSampleId :
P-7-WEST-WALL-SOUTH

Tot Ion: 98 Resp: 1017774

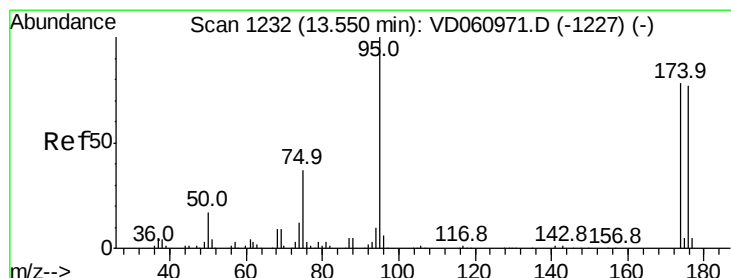
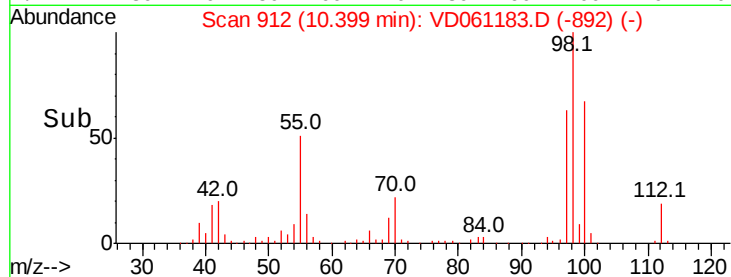
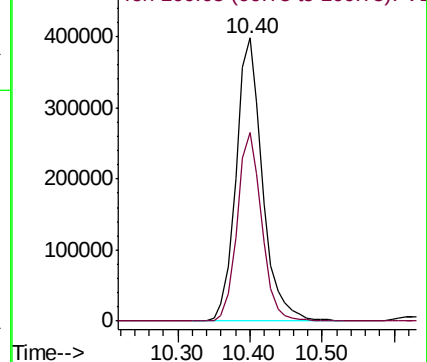
Ion Ratio Lower Upper

98 100

100 66.7 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061183.D

Acq: 19 Mar 2019 14:21

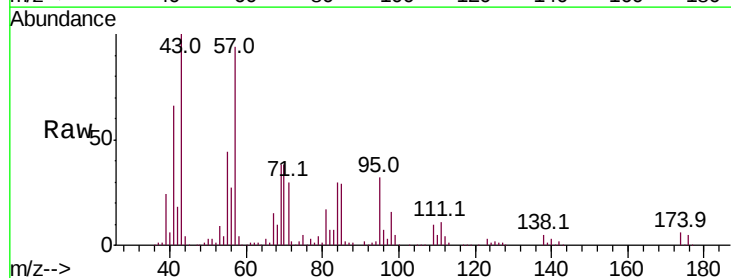
Tgt Ion: 95 Resp: 313490

Ion Ratio Lower Upper

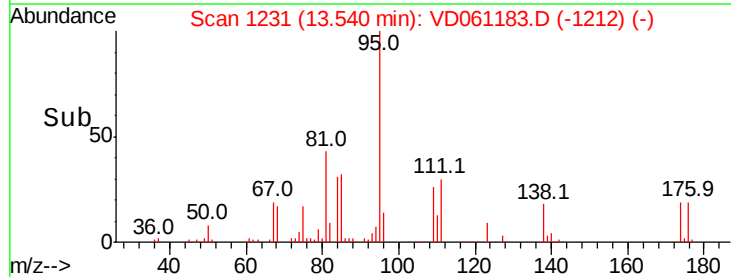
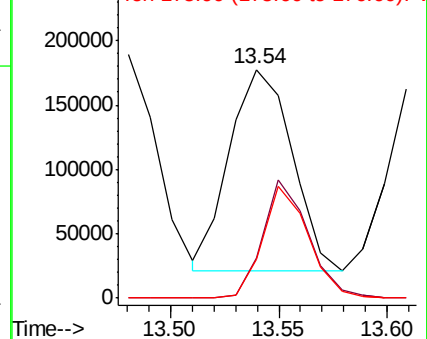
95 100

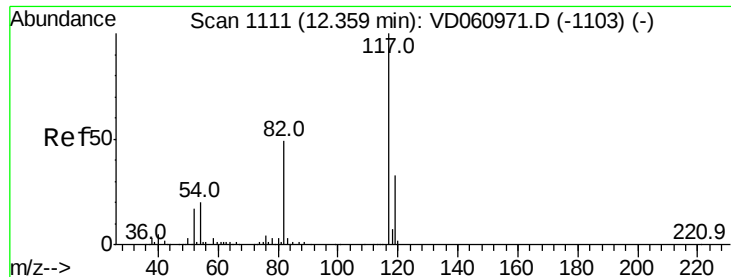
174 17.6 0.0 155.6

176 17.0 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

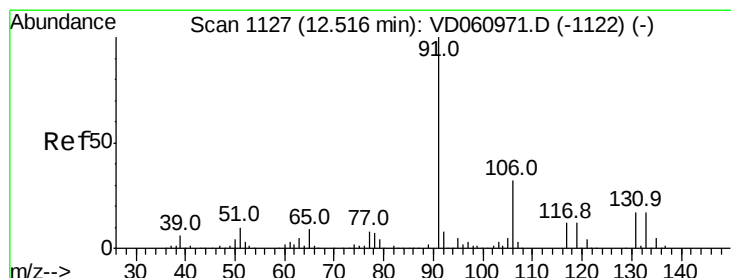
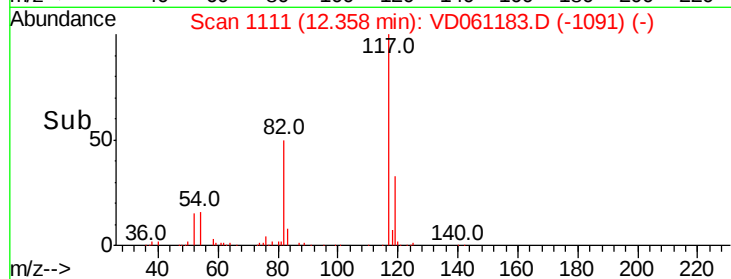
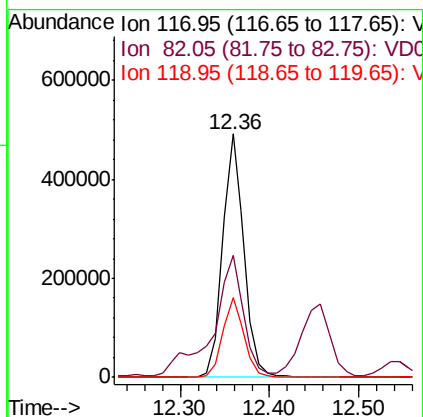
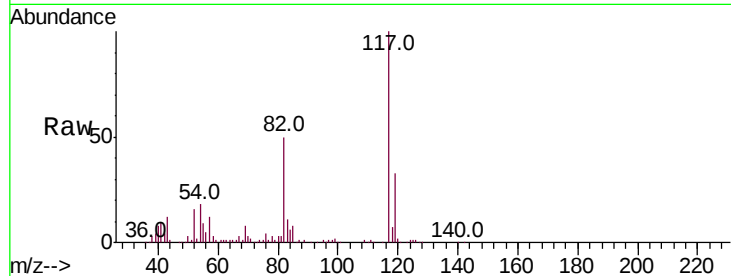




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061183.D
Acq: 19 Mar 2019 14:21

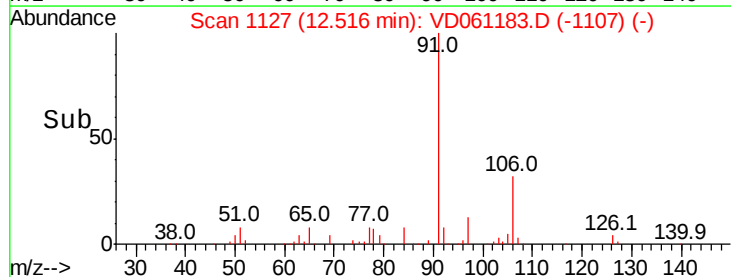
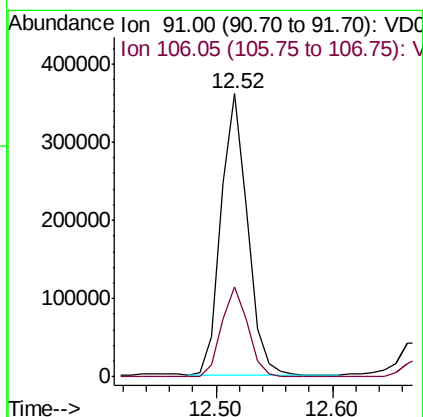
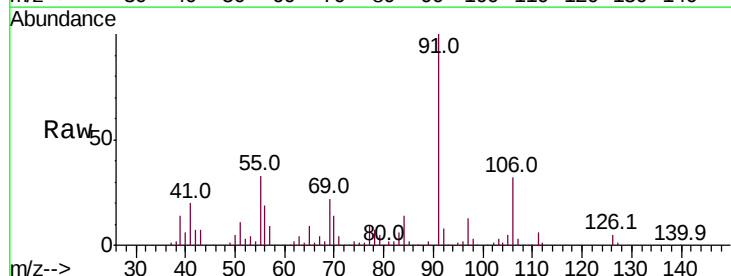
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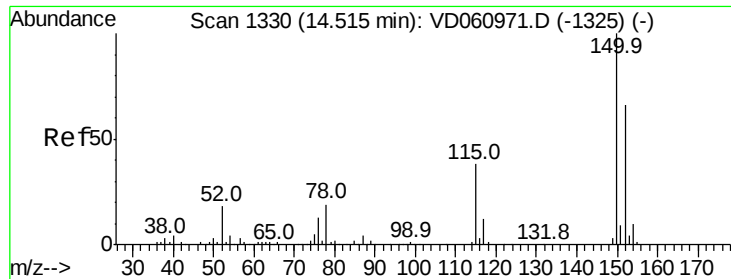
Tot Ion:117 Resp: 824494
Ion Ratio Lower Upper
117 100
82 50.2 38.9 58.3
119 32.6 26.6 39.8



#67
Ethyl Benzene
Concen: 23.562 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061183.D
Acq: 19 Mar 2019 14:21

Tgt Ion: 91 Resp: 566978
Ion Ratio Lower Upper
91 100
106 31.6 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061183.D

Acq: 19 Mar 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

P-7-WEST-WALL-SOUTH

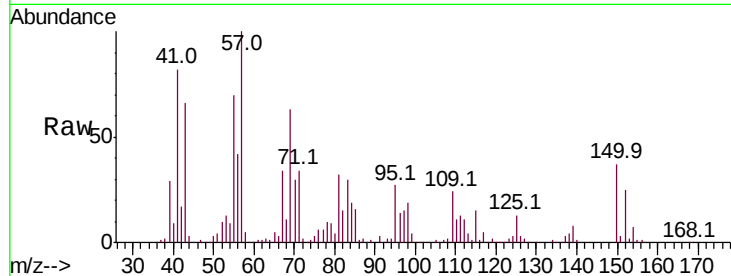
Tot Ion:152 Resp: 233906

Ion Ratio Lower Upper

152 100

115 59.9 28.6 85.9

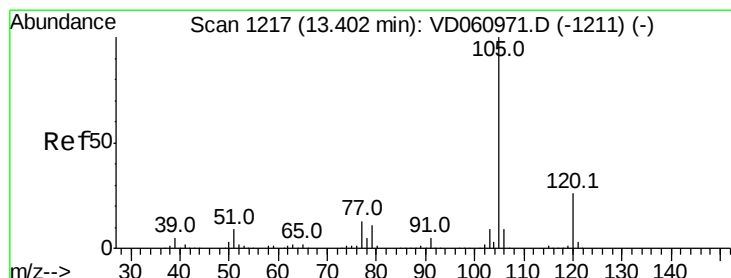
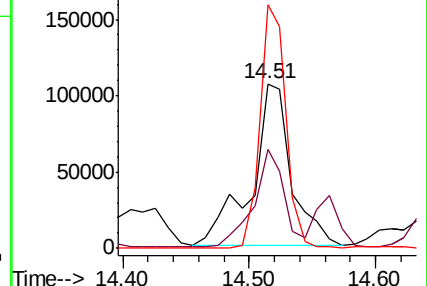
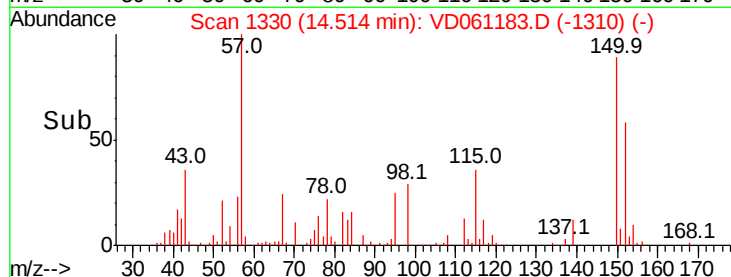
150 148.1 0.0 310.6



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: 40.593 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD061183.D

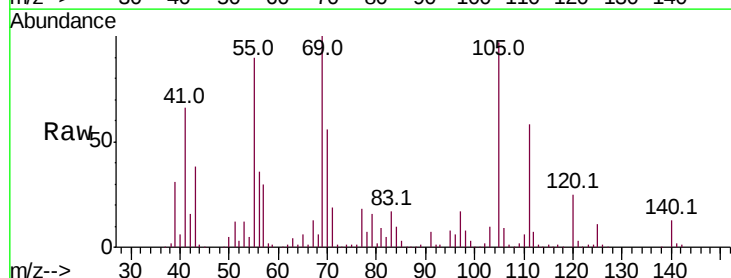
Acq: 19 Mar 2019 14:21

Tgt Ion:105 Resp: 684271

Ion Ratio Lower Upper

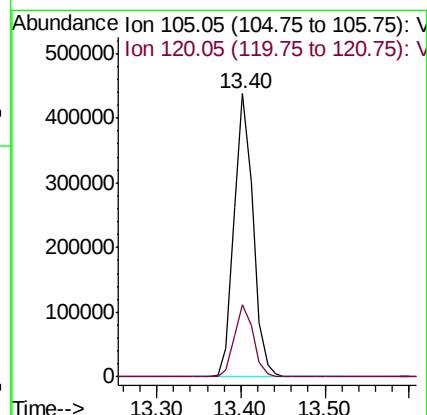
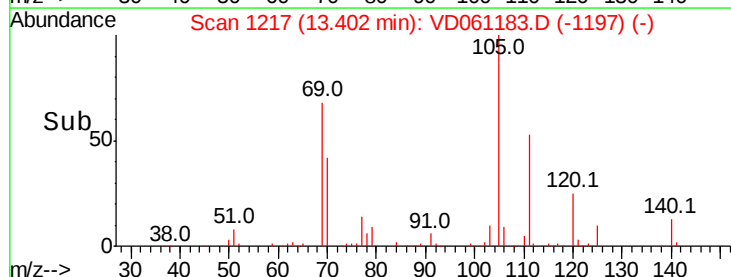
105 100

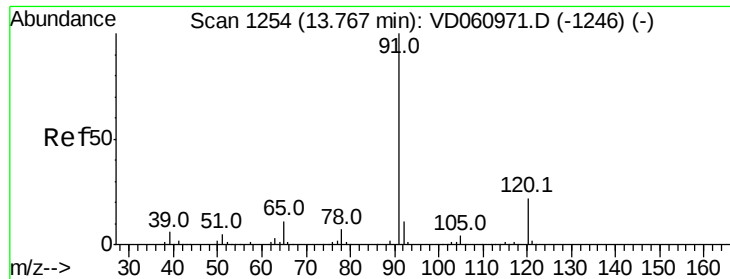
120 25.4 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#78

n-propylbenzene

Concen: 55.688 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061183.D

Acq: 19 Mar 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

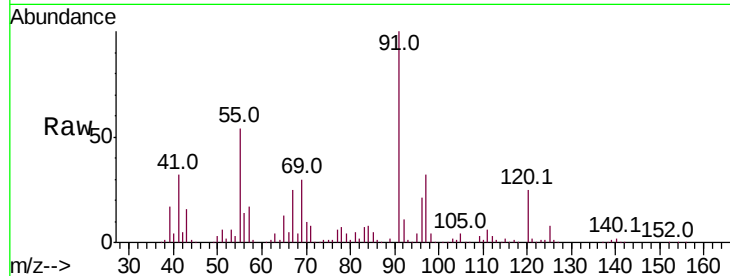
P-7-WEST-WALL-SOUTH

Tot Ion: 91 Resp: 1098983

Ion Ratio Lower Upper

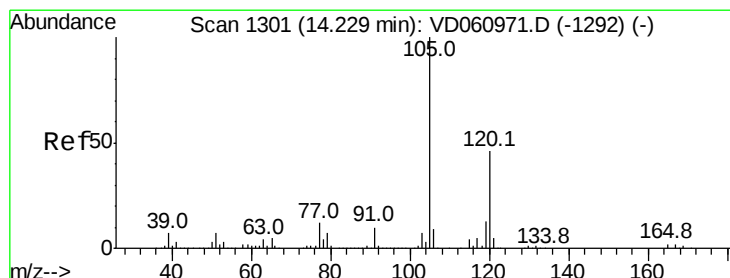
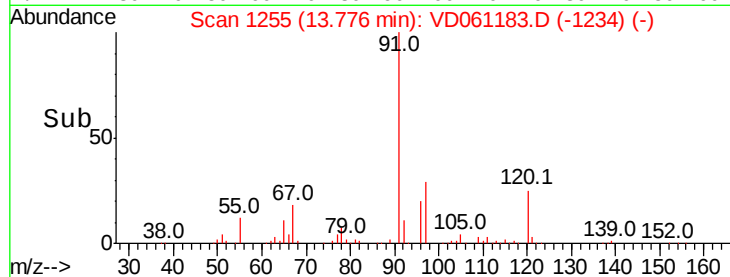
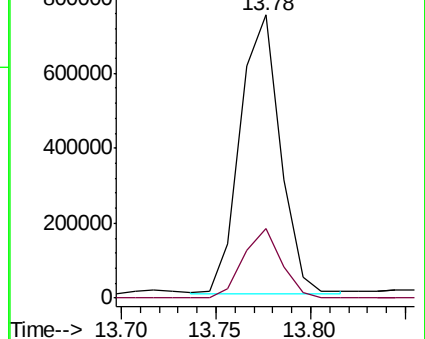
91 100

120 24.7 10.8 32.3



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: 16.210 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD061183.D

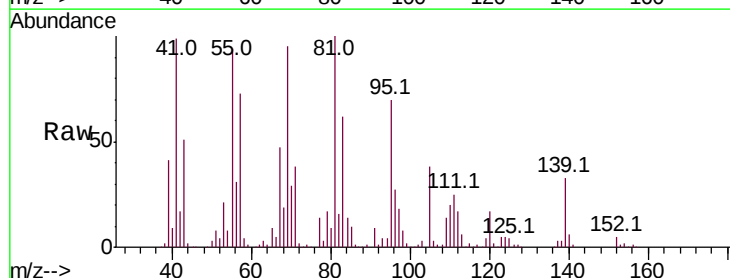
Acq: 19 Mar 2019 14:21

Tgt Ion: 105 Resp: 207443

Ion Ratio Lower Upper

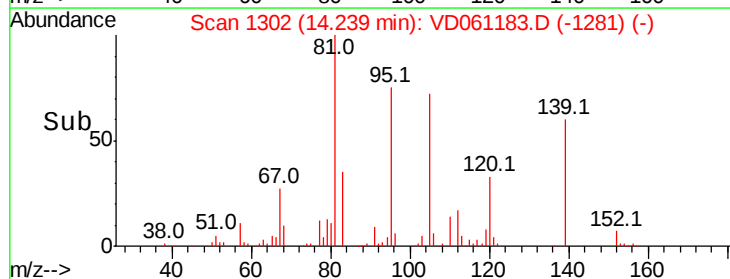
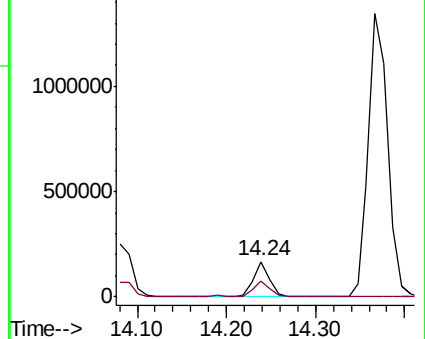
105 100

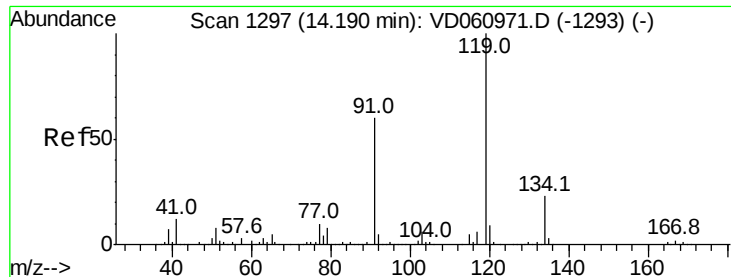
120 45.0 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#83

tert-Butylbenzene

Concen: 6.109 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD061183.D

Acq: 19 Mar 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

P-7-WEST-WALL-SOUTH

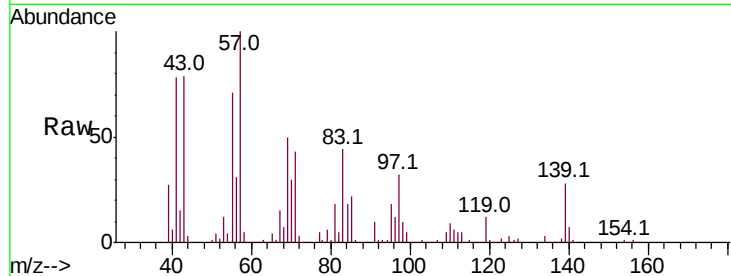
Tot Ion:119 Resp: 85560

Ion Ratio Lower Upper

119 100

91 84.6 30.1 90.3

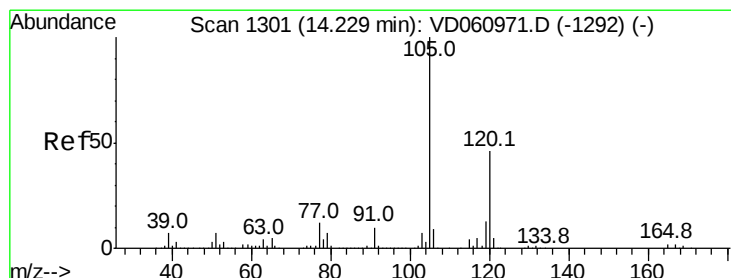
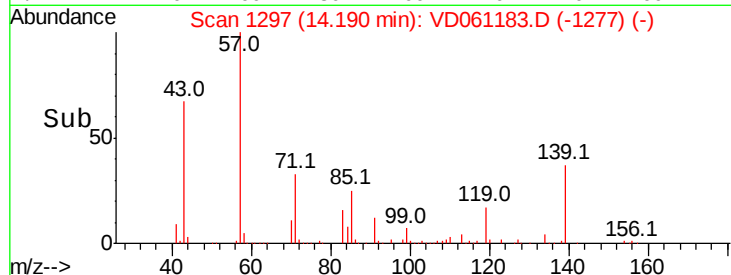
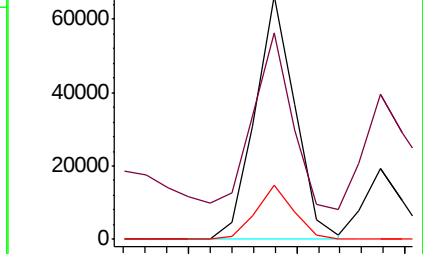
134 22.5 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 16.210 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD061183.D

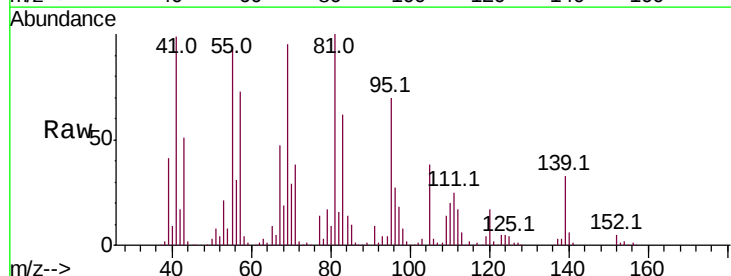
Acq: 19 Mar 2019 14:21

Tgt Ion:105 Resp: 207443

Ion Ratio Lower Upper

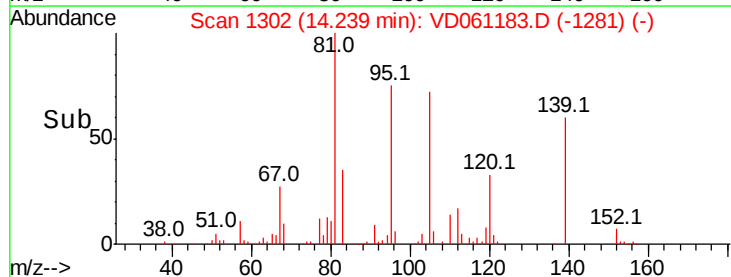
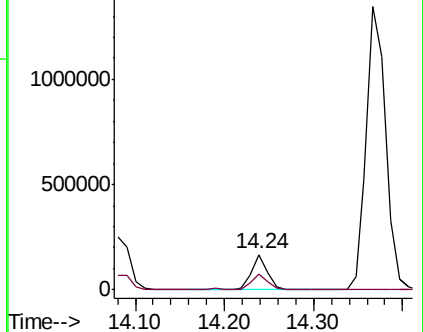
105 100

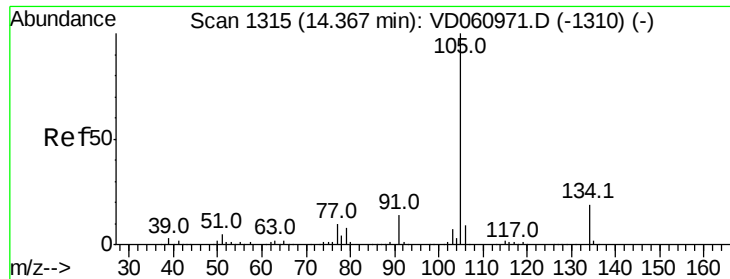
120 45.0 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

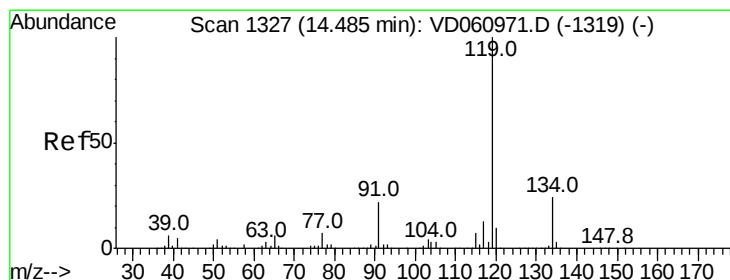
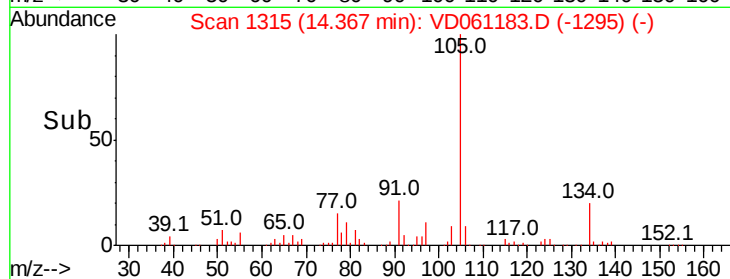
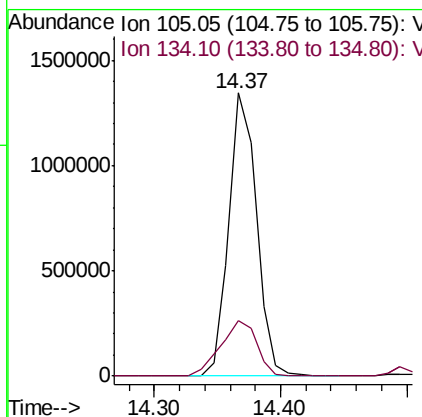
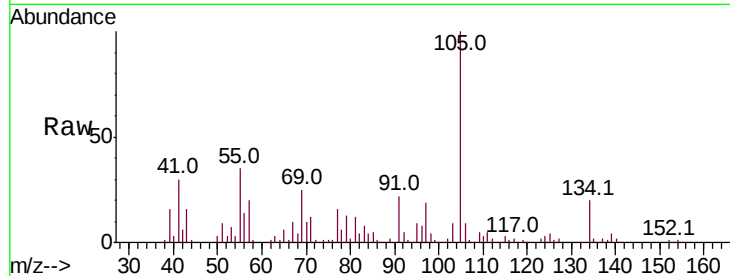




#85
 sec-Butylbenzene
 Concen: 118.687 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD061183.D
 Acq: 19 Mar 2019 14:21

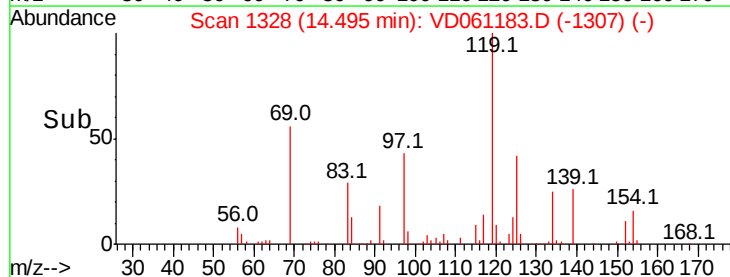
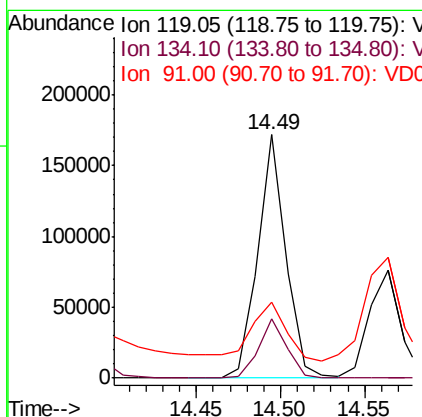
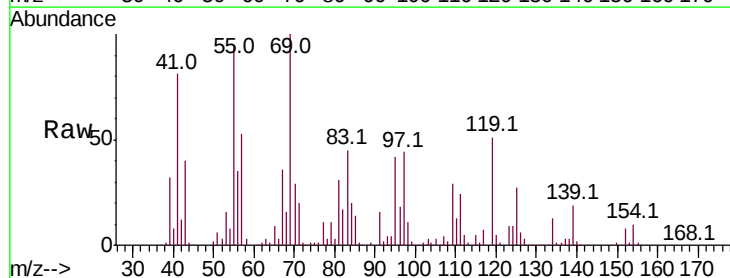
Instrument :
 MSVOA_D
 ClientSampleId :
 P-7-WEST-WALL-SOUTH

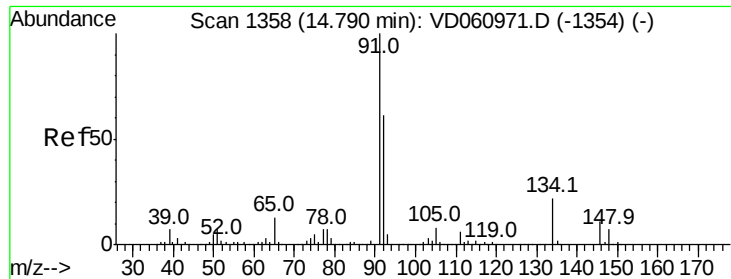
Tot Ion:105 Resp: 2029263
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 14.178 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061183.D
 Acq: 19 Mar 2019 14:21

Tgt Ion:119 Resp: 198139
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.0 36.1
 91 31.4 11.2 33.6





#89

n-Butylbenzene

Concen: 69.003 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061183.D

Acq: 19 Mar 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

P-7-WEST-WALL-SOUTH

Tot Ion: 91 Resp: 926093

Ion Ratio Lower Upper

91 100

92 56.5 30.6 91.8

134 29.4 11.0 33.0

