

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031919\
 Data File : VD061181.D
 Acq On : 19 Mar 2019 13:27
 Operator : VA/AP
 Sample : K1970-03
 Misc : 6.64g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-3-E.WALL-N.CENTER

Quant Time: Mar 19 14:48:17 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	664042	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.20	114	1108283	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.38	117	277478	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	67325	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	292975	53.00	ug/l	-0.01
Spiked Amount			Recovery	=	106.00%	
35) Dibromofluoromethane	6.91	113	430667	52.36	ug/l	-0.01
Spiked Amount			Recovery	=	104.72%	
50) Toluene-d8	10.42	98	1179943	57.13	ug/l	0.02
Spiked Amount			Recovery	=	114.26%	
62) 4-Bromofluorobenzene	13.51	95	558241	69.66	ug/l	-0.04
Spiked Amount			Recovery	=	139.32%	

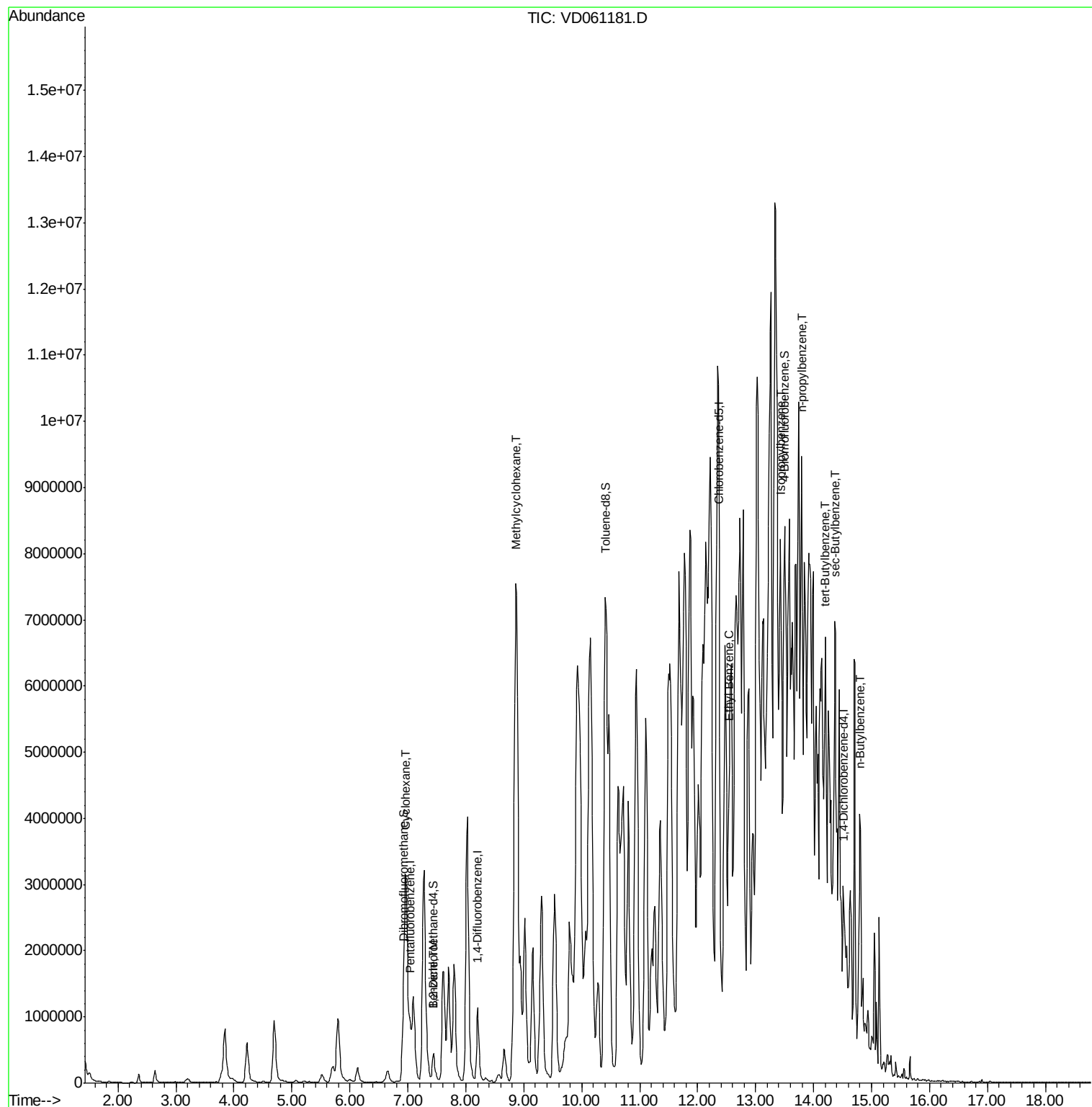
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	6.95	56	1978132	202.244	ug/l	93
39) Methylcyclohexane	8.88	83	5990474	604.734	ug/l	93
40) Benzene	7.45	78	171250	7.174	ug/l	98
67) Ethyl Benzene	12.54	91	2028812	250.519	ug/l	98
73) Isopropylbenzene	13.42	105	3726398	768.019	ug/l	98
78) n-propylbenzene	13.80	91	7233054	1273.385	ug/l	87
83) tert-Butylbenzene	14.19	119	200730	49.795	ug/l	82
85) sec-Butylbenzene	14.38	105	3092103	628.324	ug/l	100
89) n-Butylbenzene	14.79	91	971382	251.461	ug/l	97

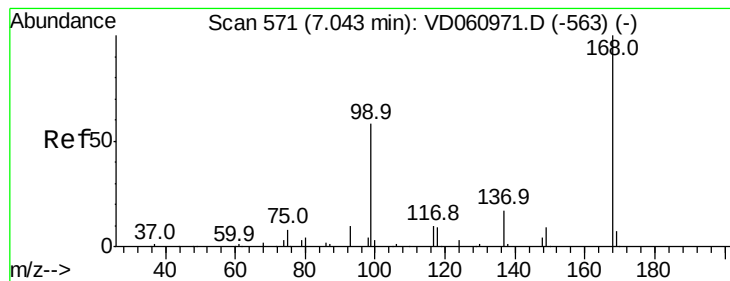
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031919\
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Quant Time: Mar 19 14:48:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
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: VD061181.D

Acq: 19 Mar 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

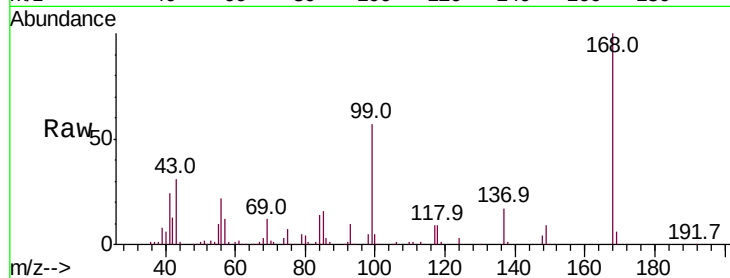
P-3-E.WALL-N.CENTER

Tot Ion:168 Resp: 664042

Ion Ratio Lower Upper

168 100

99 57.5 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

150000

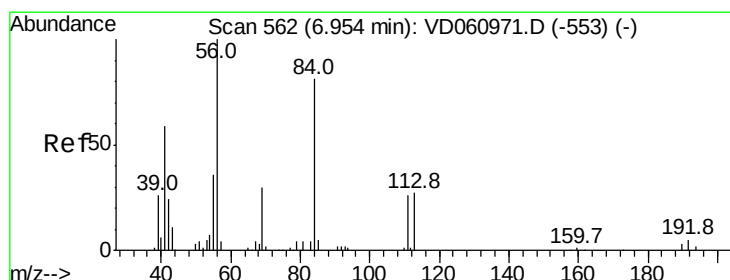
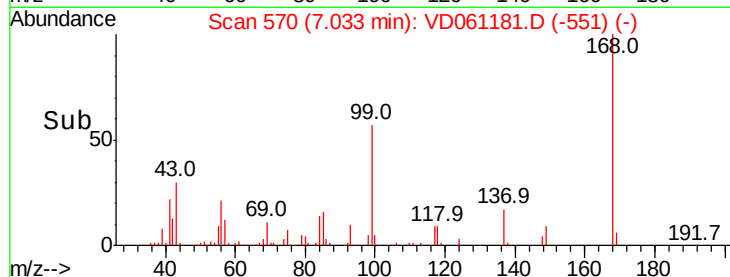
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#31

Cyclohexane

Concen: 202.244 ug/l

RT: 6.95 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD061181.D

Acq: 19 Mar 2019 13:27

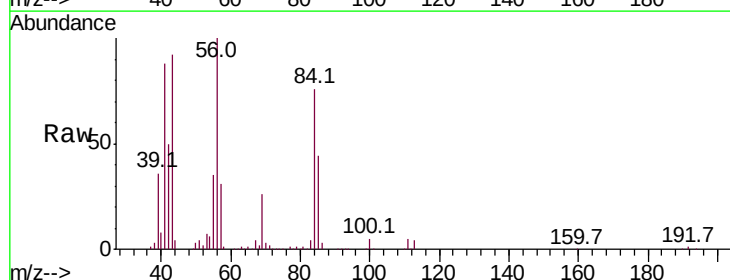
Tgt Ion: 56 Resp: 1978132

Ion Ratio Lower Upper

56 100

69 25.8 24.0 36.0

84 75.7 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

6.95

600000

500000

400000

300000

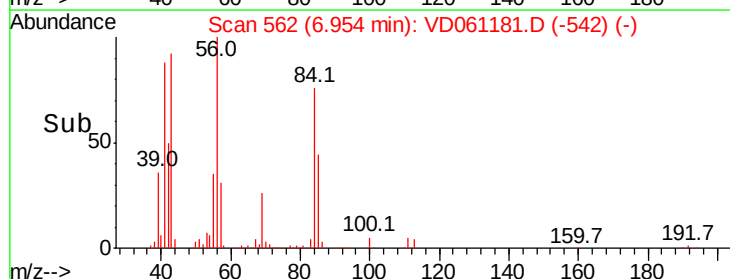
200000

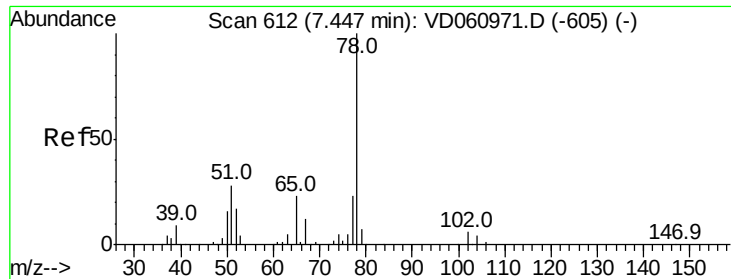
100000

0

6.80 6.90 7.00 7.10

Time-->

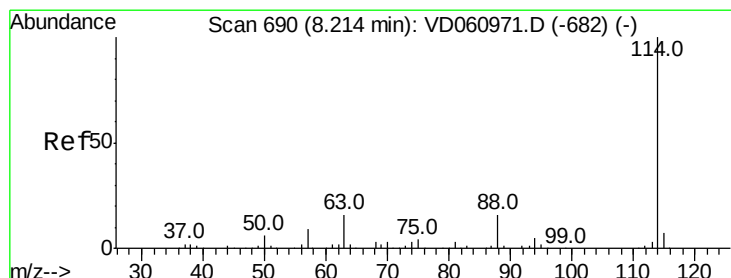
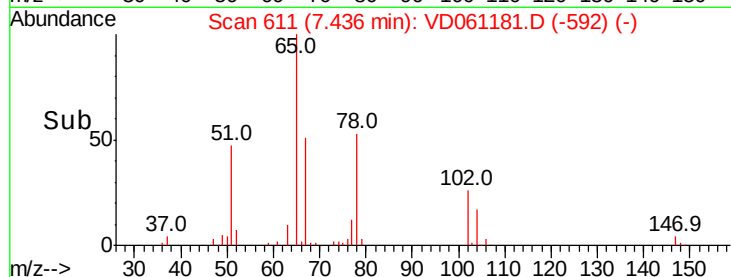
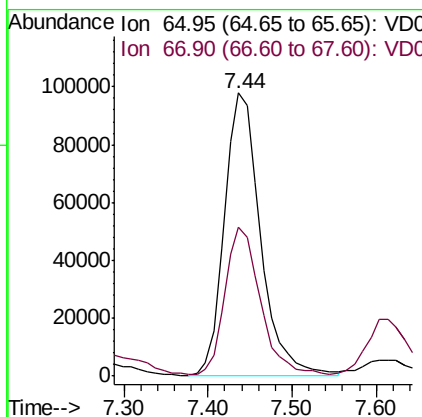
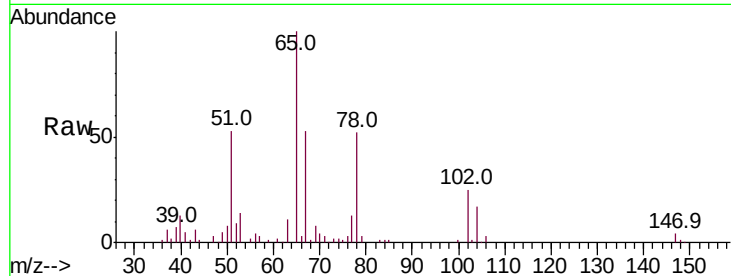




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD061181.D
 Acq: 19 Mar 2019 13:27

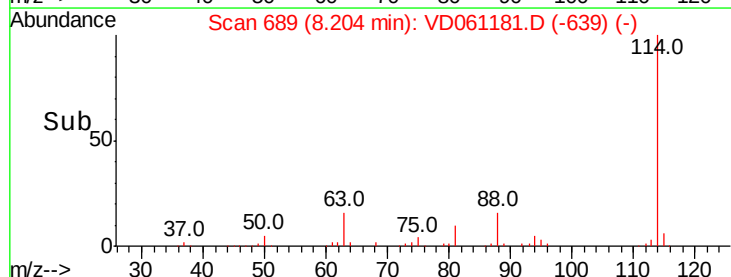
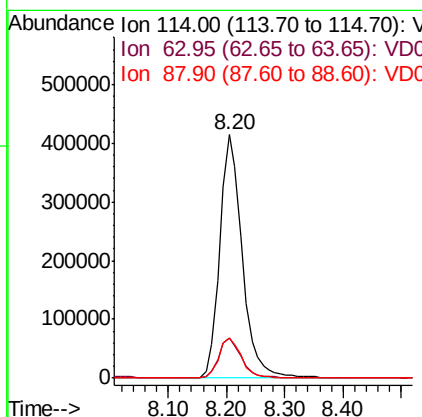
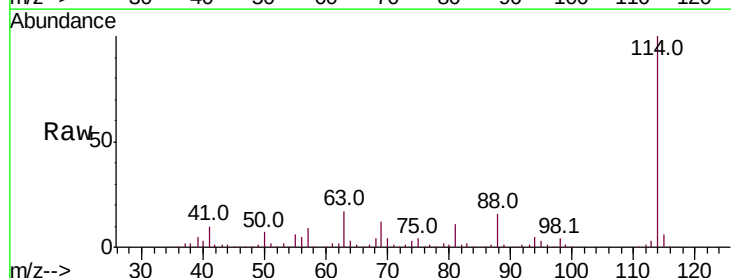
Instrument :
 MSVOA_D
 ClientSampleId :
 P-3-E.WALL-N.CENTER

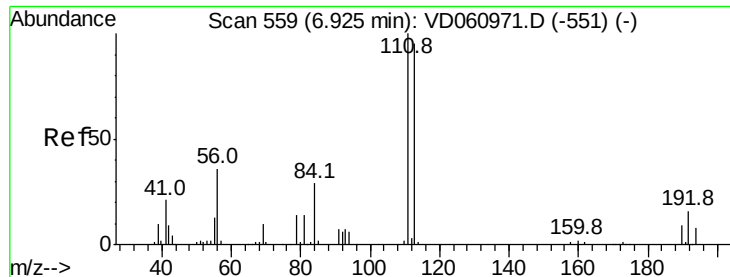
Tot Ion: 65 Resp: 292975
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061181.D
 Acq: 19 Mar 2019 13:27

Tgt Ion: 114 Resp: 1108283
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 31.4
 88 16.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061181.D

Acq: 19 Mar 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

P-3-E.WALL-N.CENTER

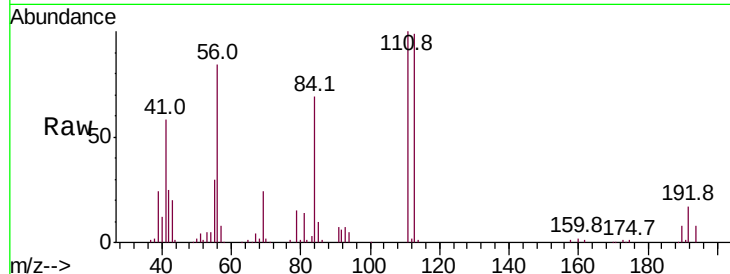
Tot Ion:113 Resp: 430667

Ion Ratio Lower Upper

113 100

111 100.5 84.2 126.4

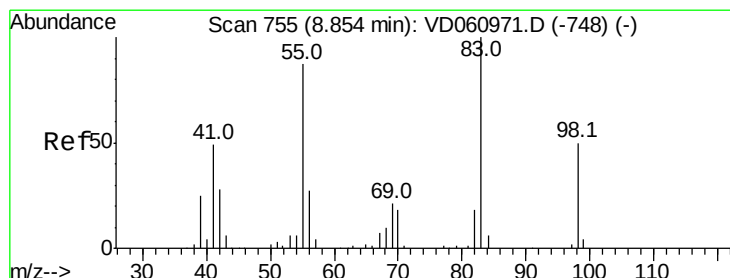
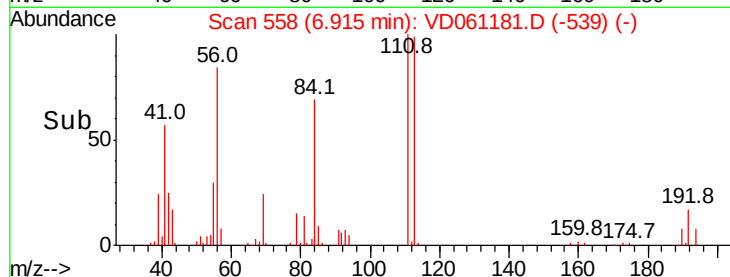
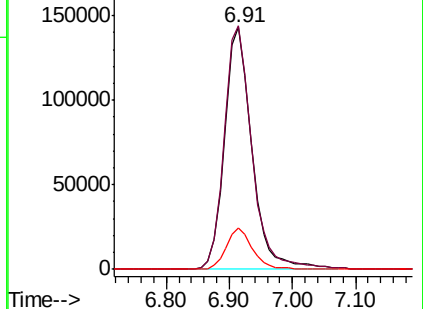
192 17.2 13.1 19.7



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: 604.734 ug/l

RT: 8.88 min Scan# 758

Delta R.T. 0.03 min

Lab File: VD061181.D

Acq: 19 Mar 2019 13:27

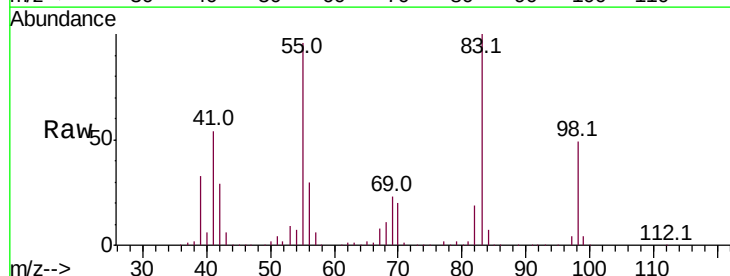
Tgt Ion: 83 Resp: 5990474

Ion Ratio Lower Upper

83 100

55 96.3 69.6 104.4

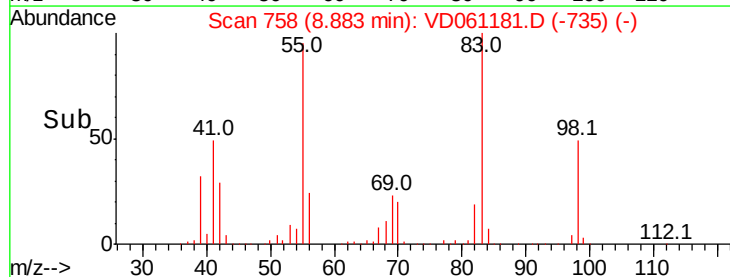
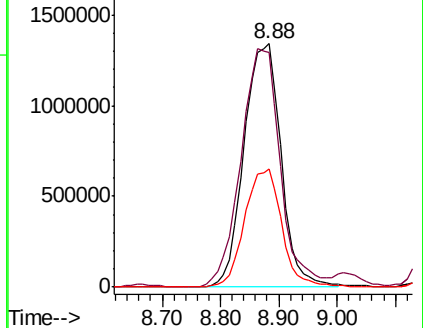
98 48.7 40.0 60.0

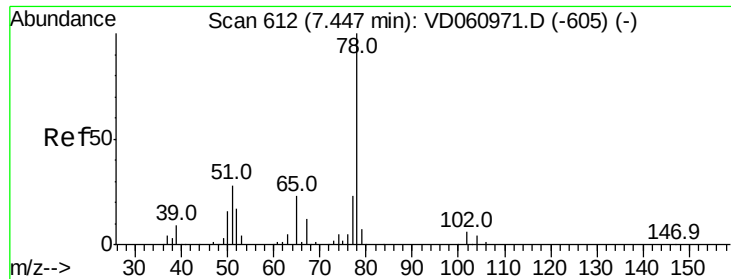


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V

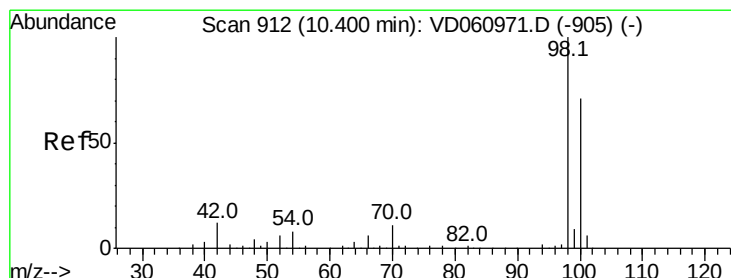
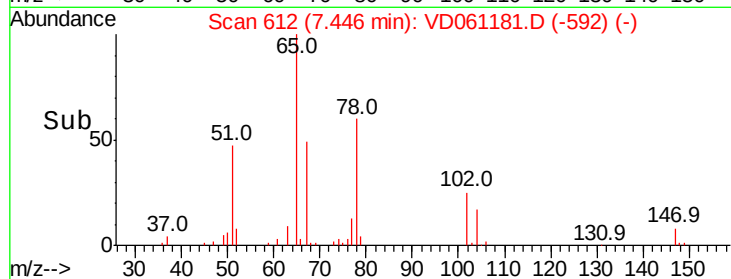
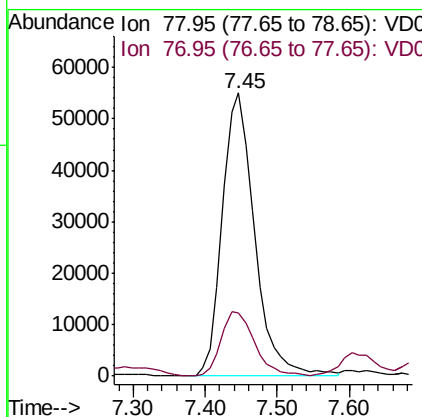
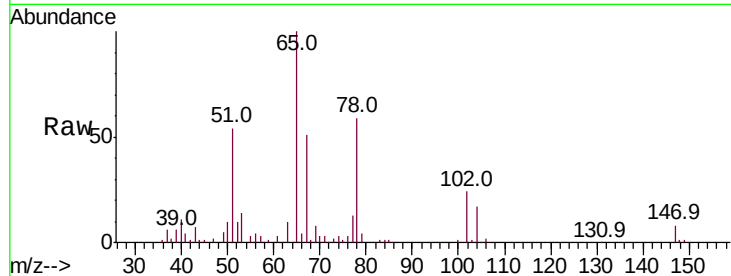




#40
Benzene
Concen: 7.174 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD061181.D
Acq: 19 Mar 2019 13:27

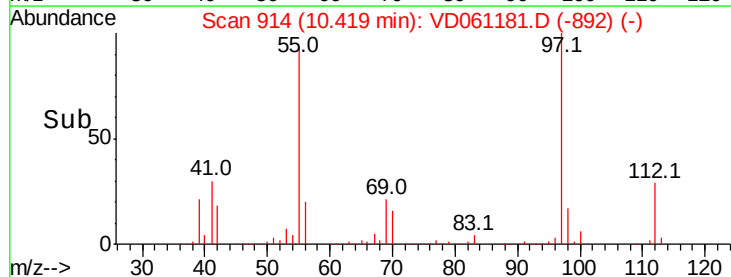
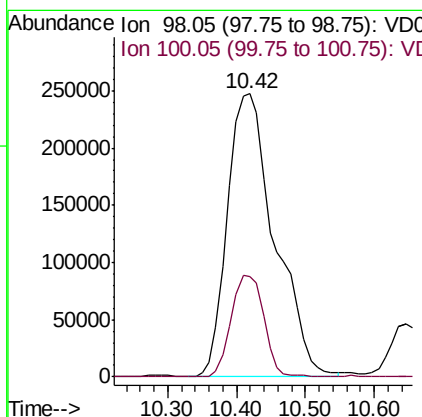
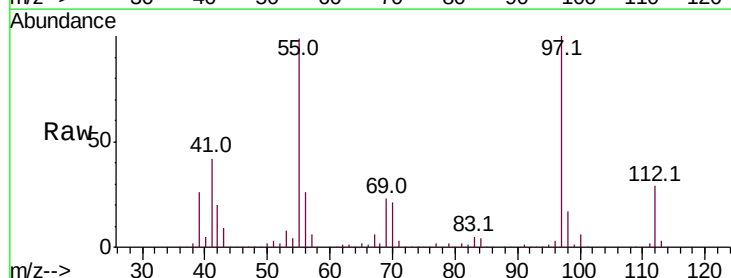
Instrument :
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ClientSampleId :
P-3-E.WALL-N.CENTER

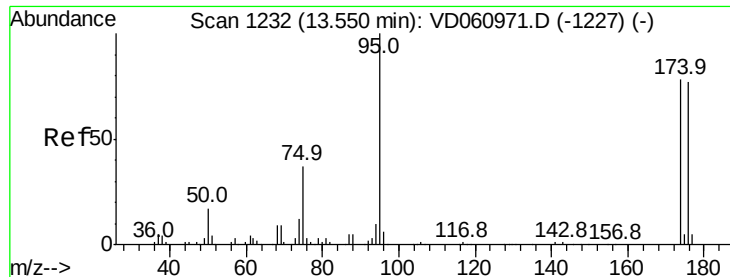
Tot Ion: 78 Resp: 171250
Ion Ratio Lower Upper
78 100
77 22.4 18.8 28.2



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061181.D
Acq: 19 Mar 2019 13:27

Tgt Ion: 98 Resp: 1179943
Ion Ratio Lower Upper
98 100
100 35.6 57.4 86.2#

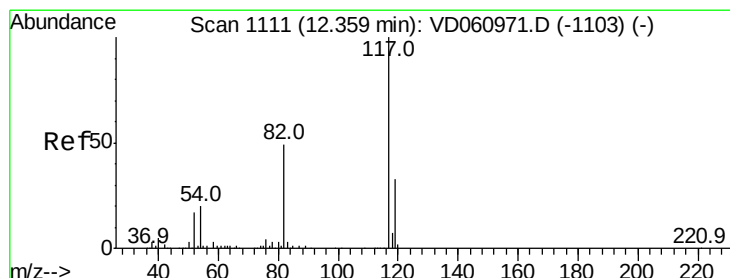
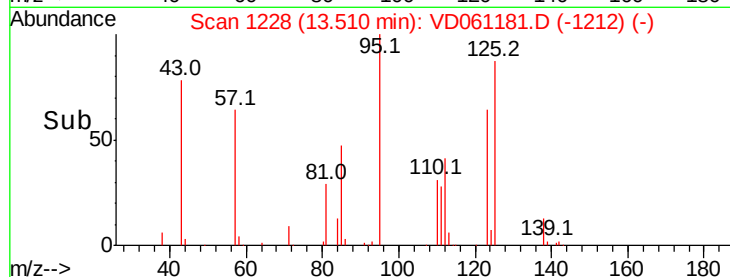
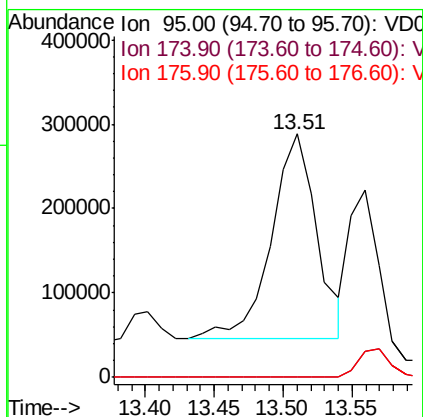
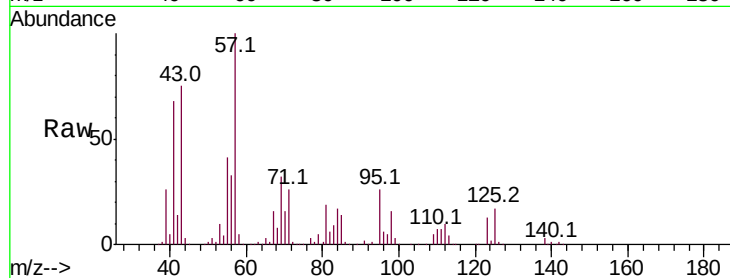




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 13.51 min Scan# 1228
Delta R.T. -0.04 min
Lab File: VD061181.D
Acq: 19 Mar 2019 13:27

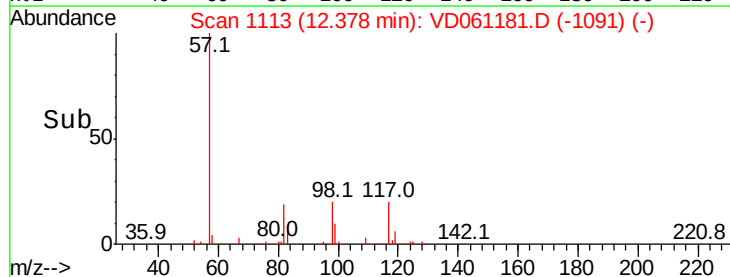
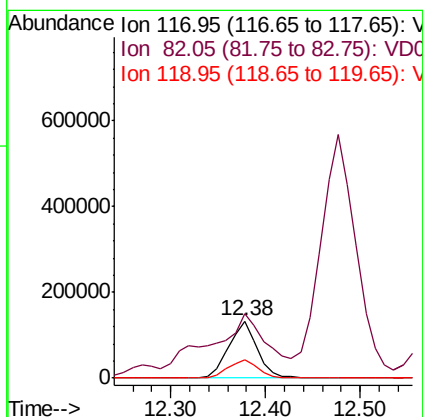
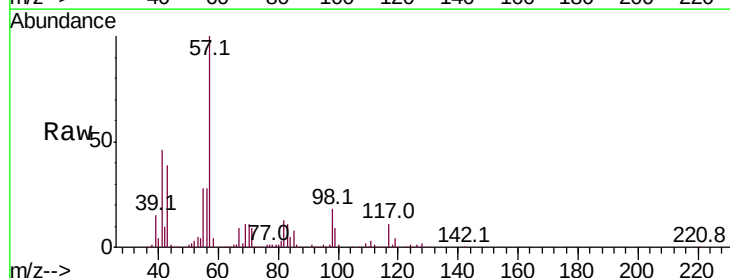
Instrument :
MSVOA_D
ClientSampleId :
P-3-E.WALL-N.CENTER

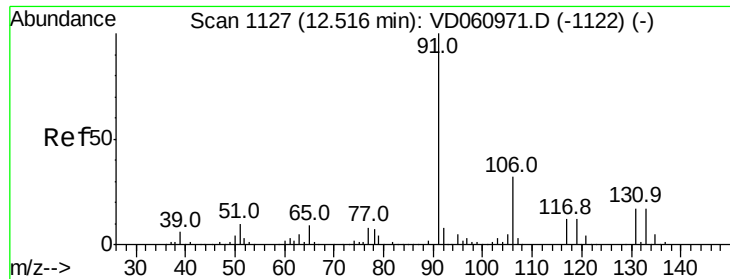
Tot Ion: 95 Resp: 558241
Ion Ratio Lower Upper
95 100
174 0.0 0.0 155.6
176 0.0 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061181.D
Acq: 19 Mar 2019 13:27

Tgt Ion: 117 Resp: 277478
Ion Ratio Lower Upper
117 100
82 112.5 38.9 58.3#
119 32.9 26.6 39.8

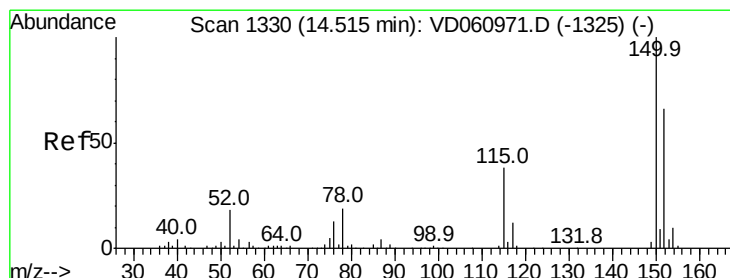
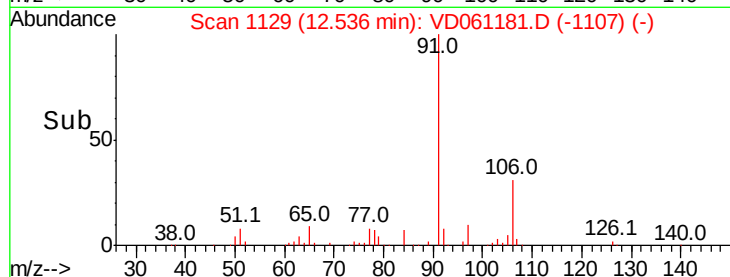
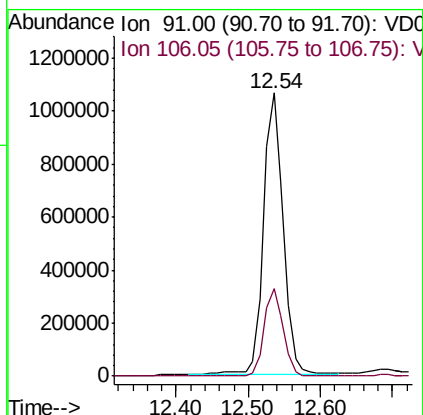
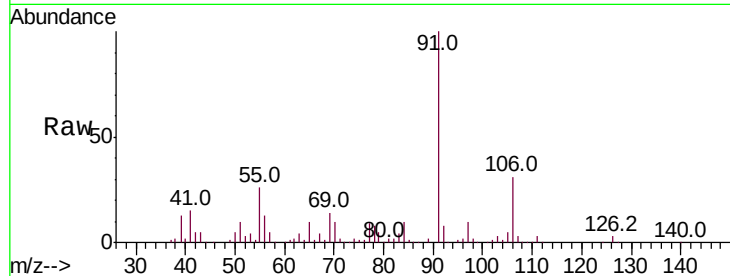




#67
Ethyl Benzene
Concen: 250.519 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD061181.D
Acq: 19 Mar 2019 13:27

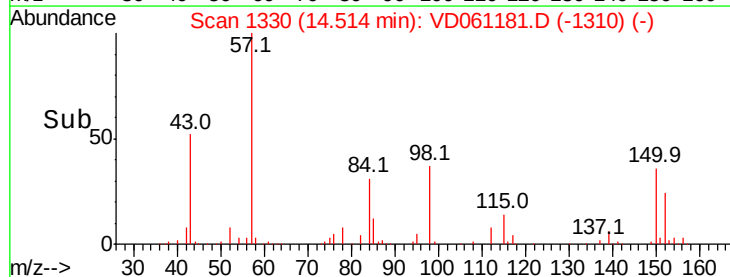
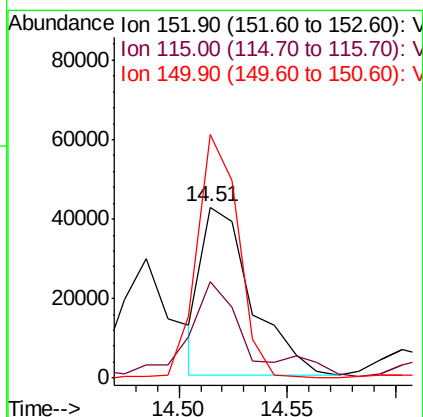
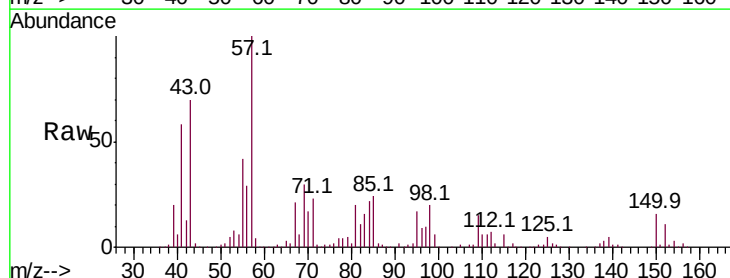
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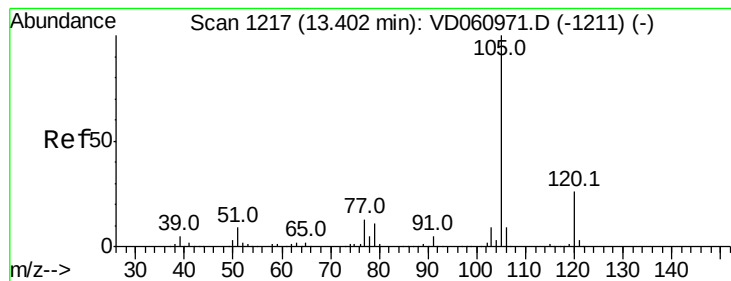
Tot Ion: 91 Resp: 2028812
Ion Ratio Lower Upper
91 100
106 30.8 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061181.D
Acq: 19 Mar 2019 13:27

Tgt Ion: 152 Resp: 67325
Ion Ratio Lower Upper
152 100
115 56.6 28.6 85.9
150 142.7 0.0 310.6





#73

Isopropylbenzene

Concen: 768.019 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VD061181.D

Acq: 19 Mar 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

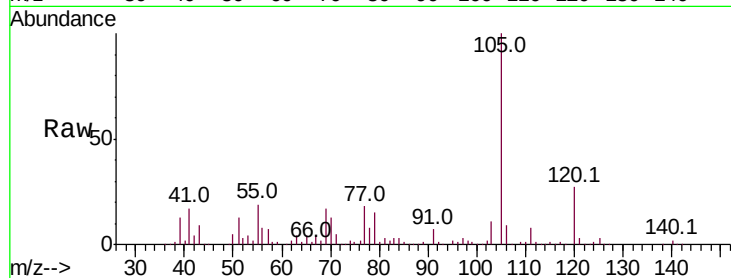
P-3-E.WALL-N.CENTER

Tot Ion:105 Resp: 3726398

Ion Ratio Lower Upper

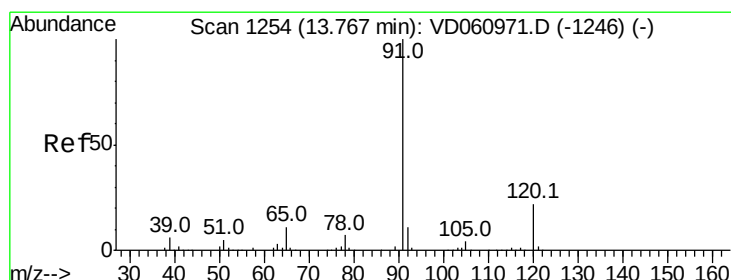
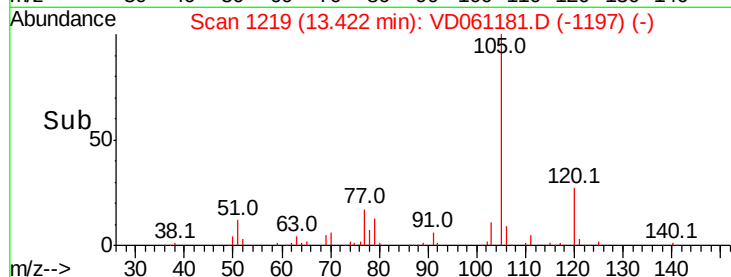
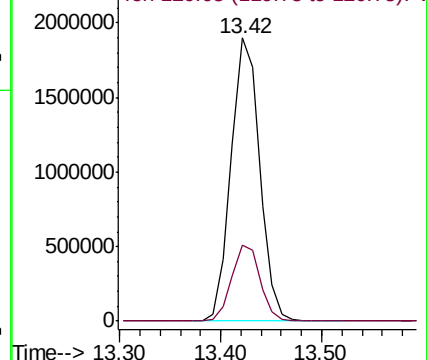
105 100

120 26.8 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: 1273.385 ug/l

RT: 13.80 min Scan# 1257

Delta R.T. 0.03 min

Lab File: VD061181.D

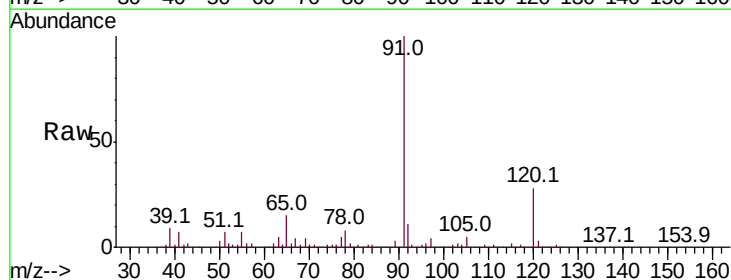
Acq: 19 Mar 2019 13:27

Tgt Ion: 91 Resp: 7233054

Ion Ratio Lower Upper

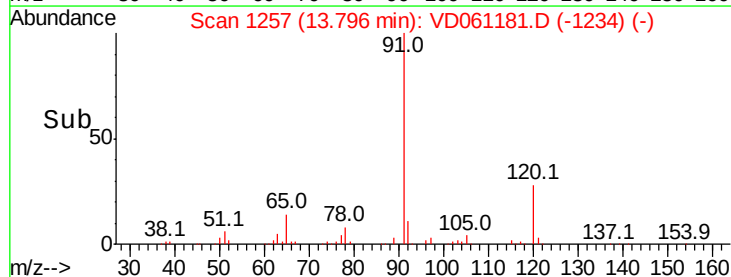
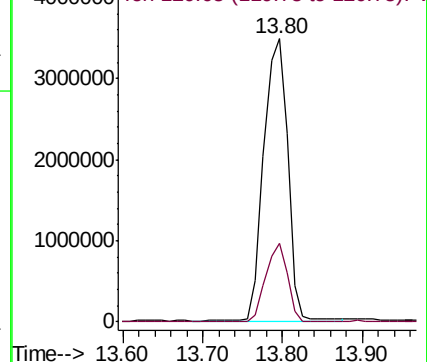
91 100

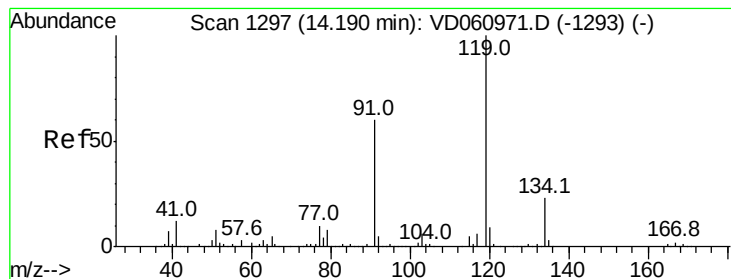
120 27.7 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#83

tert-Butylbenzene

Concen: 49.795 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD061181.D

Acq: 19 Mar 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

P-3-E.WALL-N.CENTER

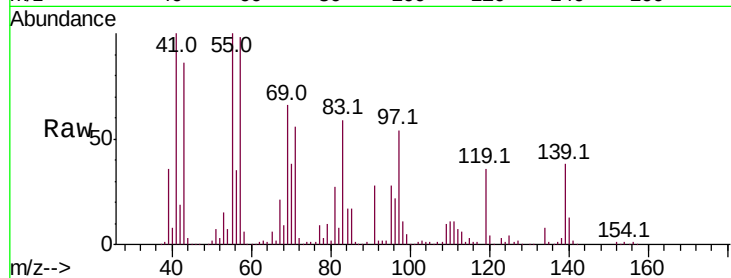
Tot Ion:119 Resp: 200730

Ion Ratio Lower Upper

119 100

91 78.8 30.1 90.3

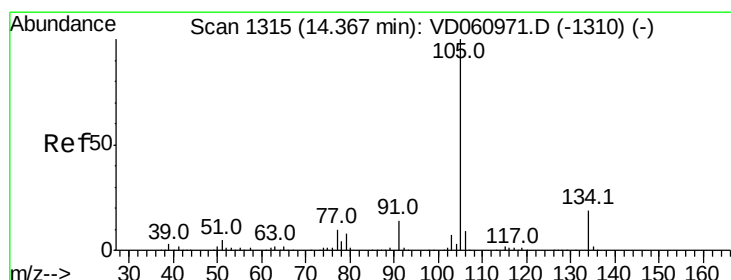
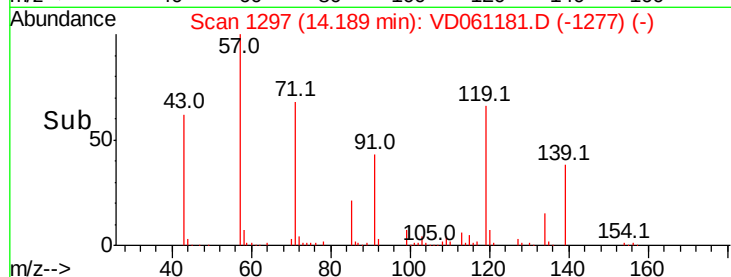
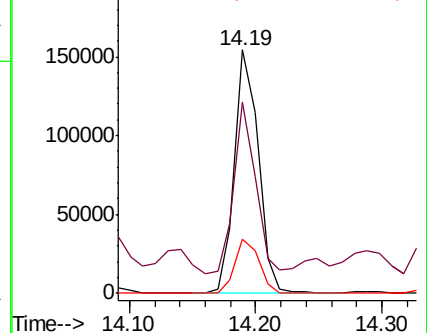
134 22.2 11.6 34.7



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



#85

sec-Butylbenzene

Concen: 628.324 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD061181.D

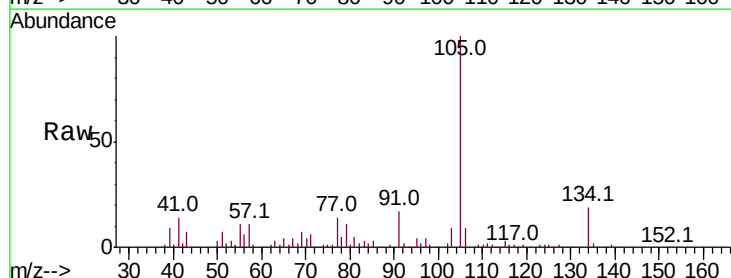
Acq: 19 Mar 2019 13:27

Tgt Ion:105 Resp: 3092103

Ion Ratio Lower Upper

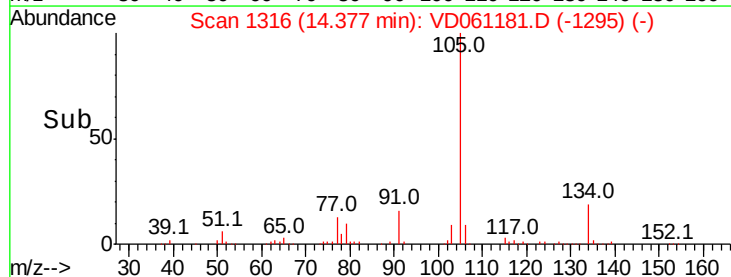
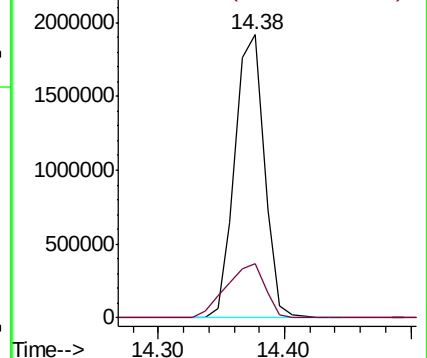
105 100

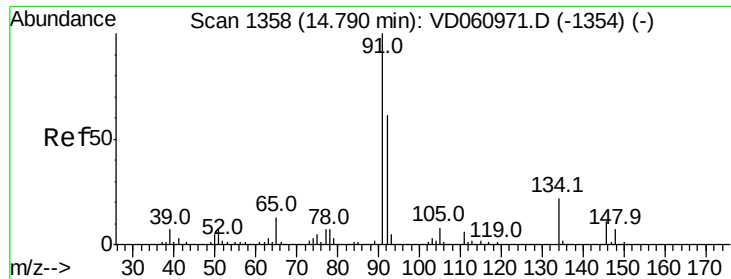
134 19.0 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V





#89

n-Butylbenzene

Concen: 251.461 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD061181.D

Acq: 19 Mar 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

P-3-E.WALL-N.CENTER

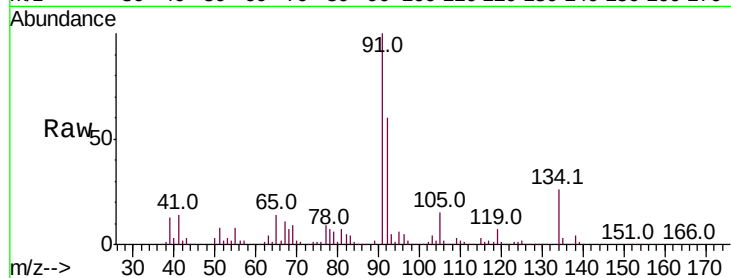
Tot Ion: 91 Resp: 971382

Ion Ratio Lower Upper

91 100

92 59.8 30.6 91.8

134 25.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC

