

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040519\
 Data File : VD061628.D
 Acq On : 5 Apr 2019 18:35
 Operator : VA/AP
 Sample : K2193-03
 Misc : 5.87g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-06-040319-B

Quant Time: Apr 06 01:14:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	517285	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	862445	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	642796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	243454	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	186975	42.31	ug/l	0.00
Spiked Amount			Recovery	=	84.62%	
35) Dibromofluoromethane	6.90	113	312535	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
50) Toluene-d8	10.39	98	527505	33.37	ug/l	0.00
Spiked Amount			Recovery	=	66.74%	
62) 4-Bromofluorobenzene	13.55	95	232052	38.28	ug/l	0.00
Spiked Amount			Recovery	=	76.56%	

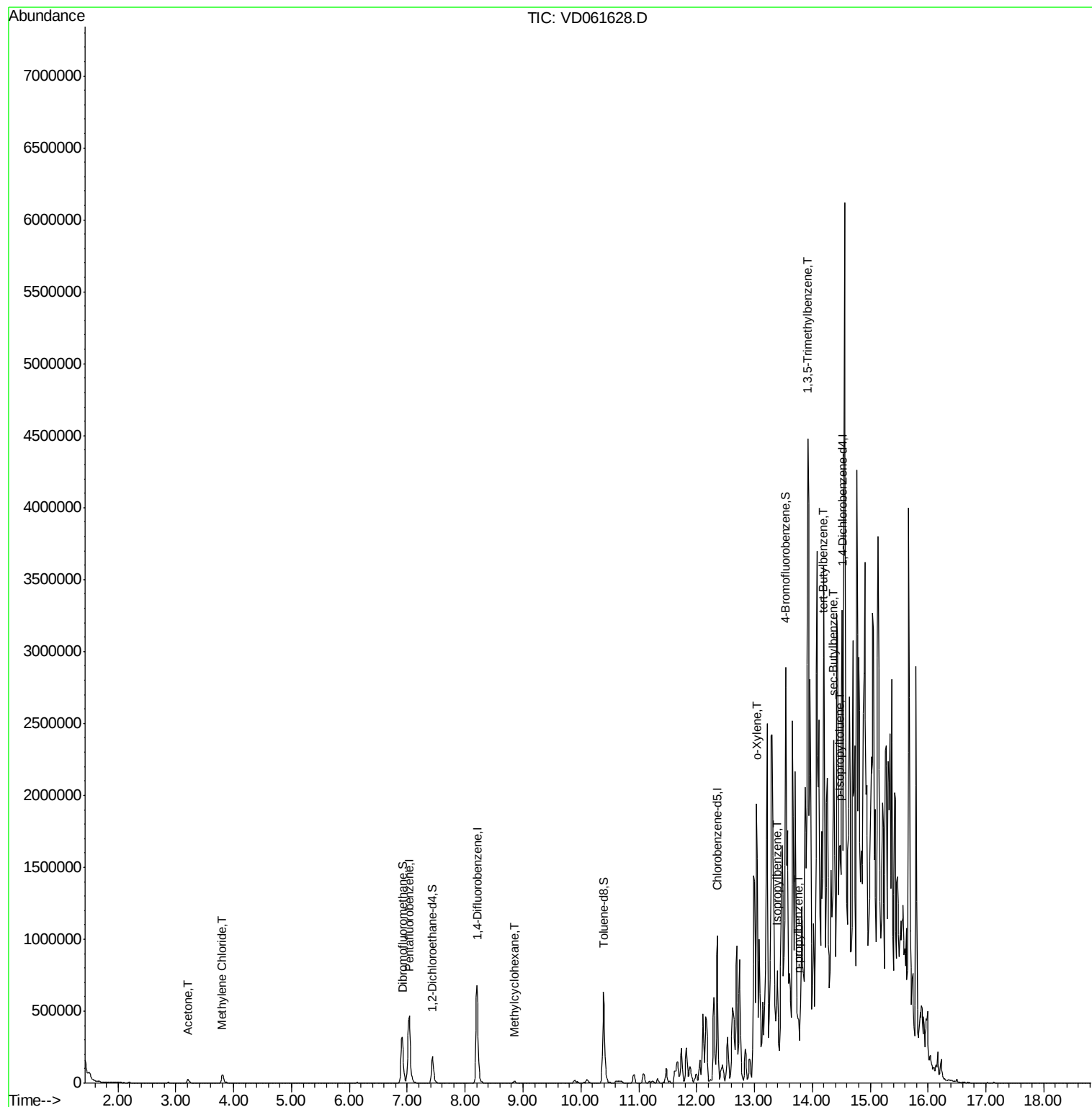
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.20	43	54792	48.235	ug/l	93
20) Methylene Chloride	3.80	84	44354	5.252	ug/l	97
39) Methylcyclohexane	8.84	83	8518	1.087	ug/l #	83
69) o-Xylene	13.04	106	417745	56.675	ug/l	95
73) Isopropylbenzene	13.39	105	25278	1.492	ug/l	93
78) n-propylbenzene	13.77	91	22986	1.109	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	1529929	116.373	ug/l	97
83) tert-Butylbenzene	14.18	119	40641	2.474	ug/l	90
85) sec-Butylbenzene	14.37	105	127466	7.303	ug/l	92
86) p-Isopropyltoluene	14.49	119	363615	24.637	ug/l	97

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 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: VD061628.D

Acq: 5 Apr 2019 18:35

Instrument :

MSVOA_D

ClientSampleId :

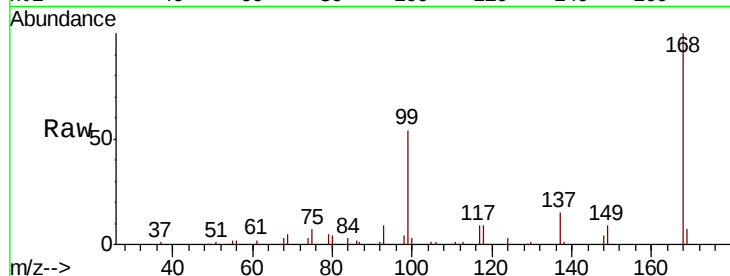
HR-06-040319-B

Tot Ion:168 Resp: 517285

Ion Ratio Lower Upper

168 100

99 53.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

150000

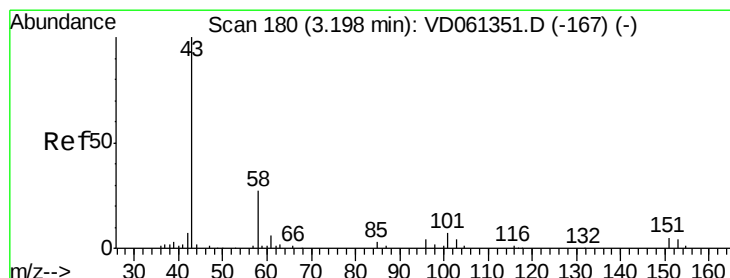
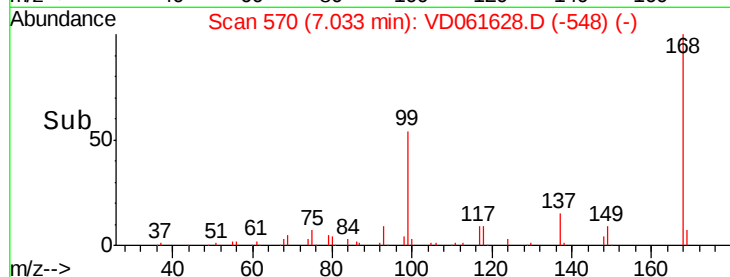
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50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 48.235 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD061628.D

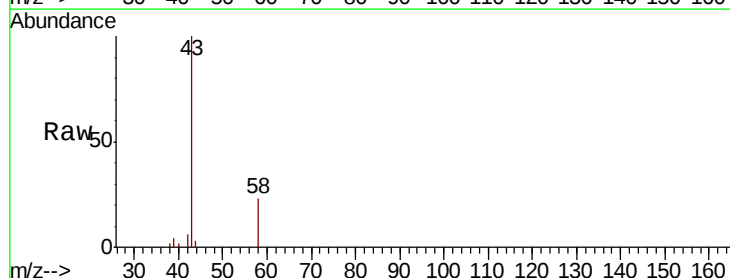
Acq: 5 Apr 2019 18:35

Tgt Ion: 43 Resp: 54792

Ion Ratio Lower Upper

43 100

58 23.2 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.20

20000

15000

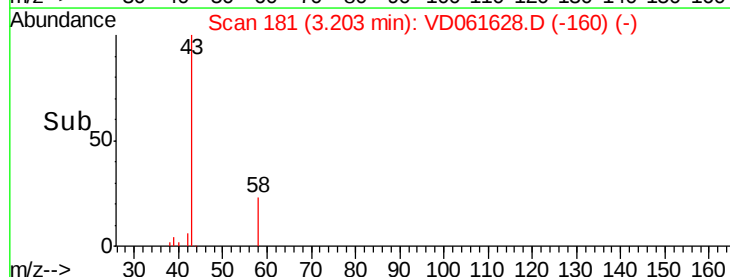
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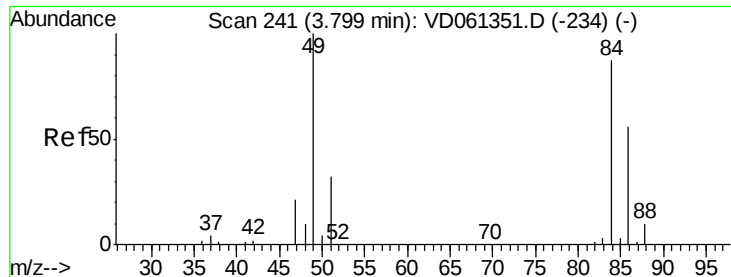
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0

3.10 3.20 3.30 3.40

Time-->

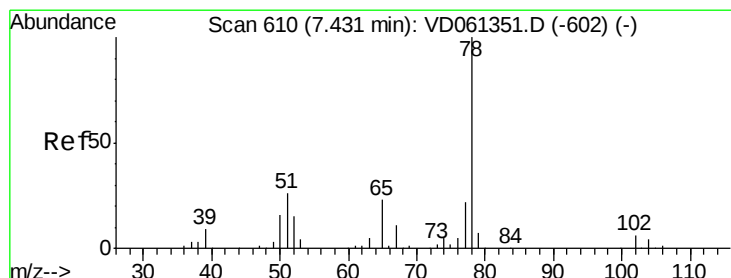
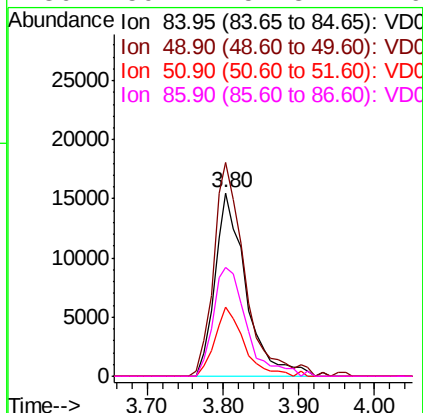
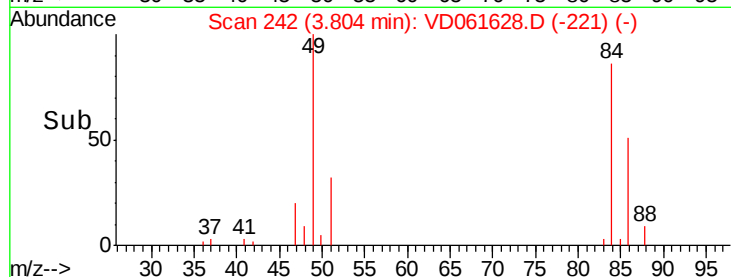
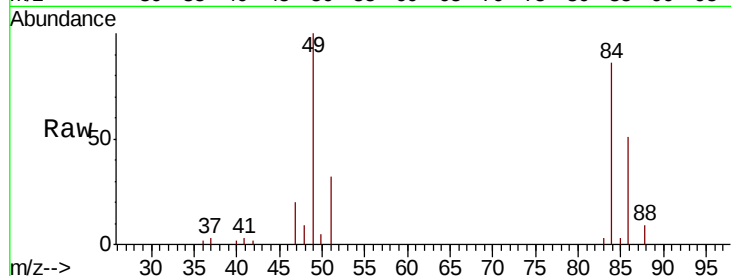




#20
Methvlene Chloride
Concen: 5.252 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD061628.D
Acq: 5 Apr 2019 18:35

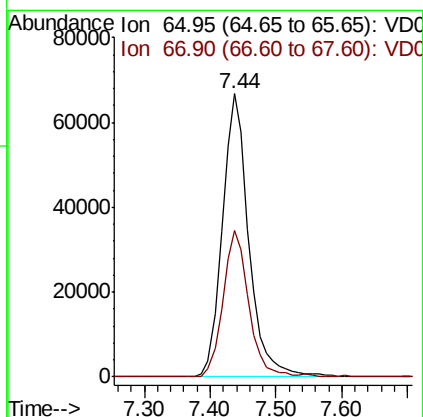
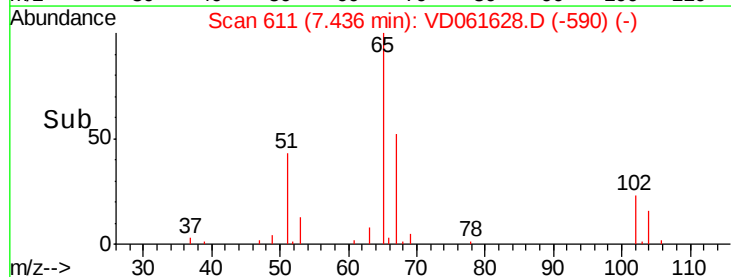
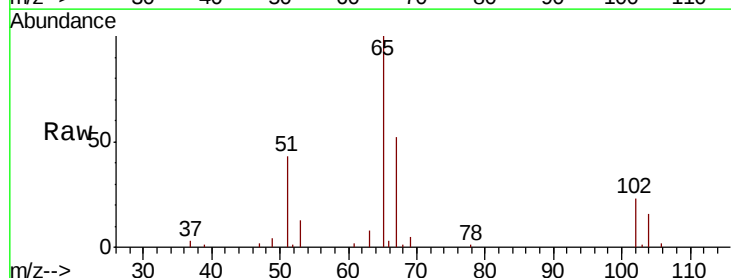
Instrument :
MSVOA_D
ClientSampleId :
HR-06-040319-B

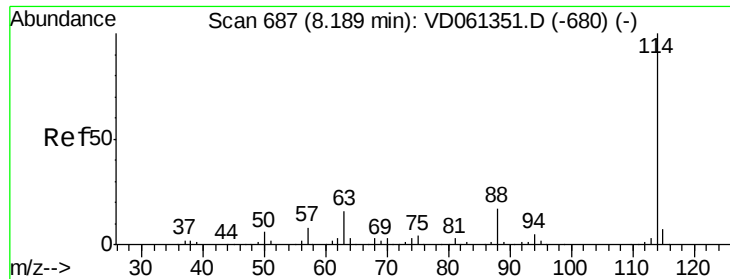
Tot Ion: 84 Resp: 44354
Ion Ratio Lower Upper
84 100
49 116.6 91.8 137.8
51 37.5 29.8 44.8
86 59.4 51.8 77.6



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.01 min
Lab File: VD061628.D
Acq: 5 Apr 2019 18:35

Tgt Ion: 65 Resp: 186975
Ion Ratio Lower Upper
65 100
67 51.6 0.0 99.8

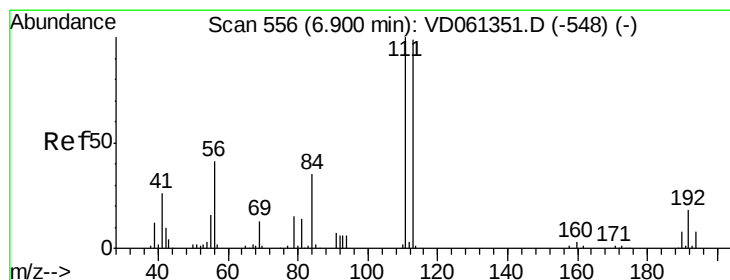
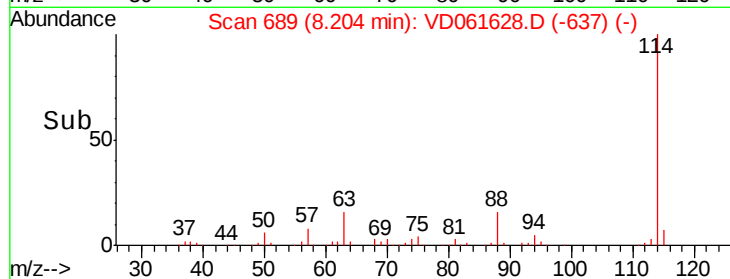
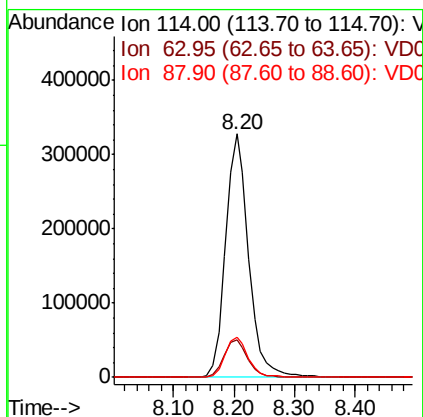
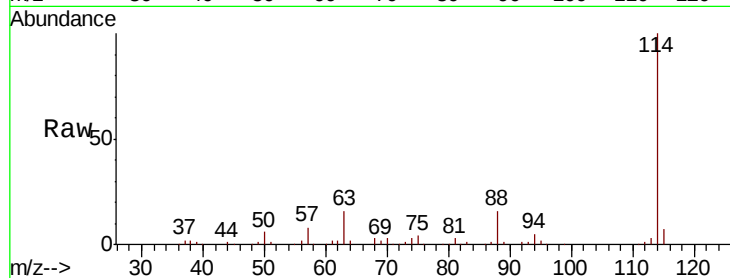




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD061628.D
 Acq: 5 Apr 2019 18:35

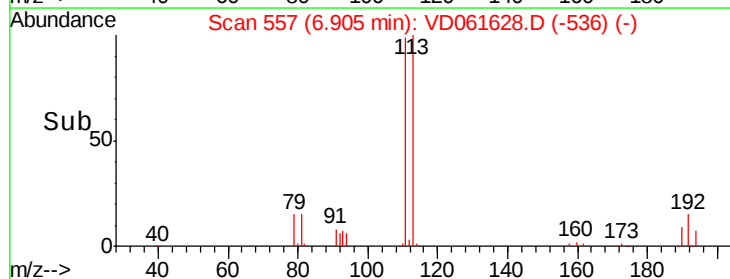
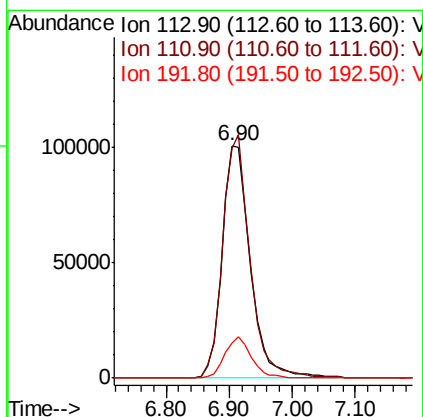
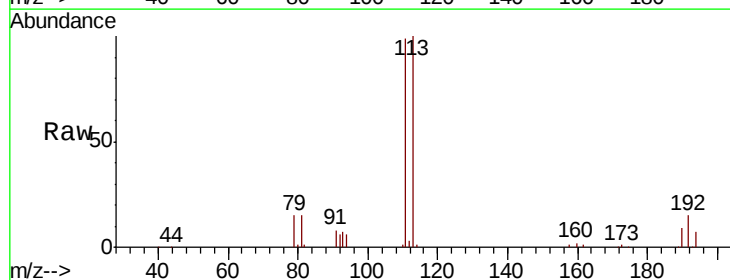
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-06-040319-B

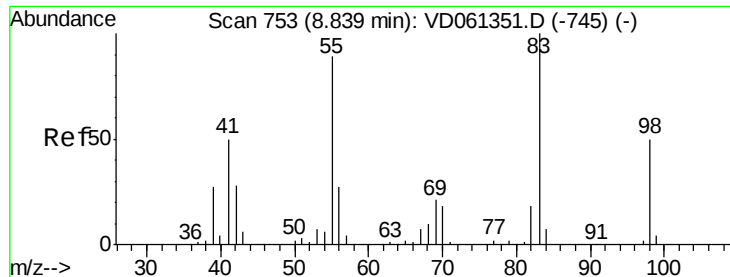
Tot Ion:114 Resp: 862445
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 31.6
 88 16.2 0.0 33.4



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.90 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: VD061628.D
 Acq: 5 Apr 2019 18:35

Tgt Ion:113 Resp: 312535
 Ion Ratio Lower Upper
 113 100
 111 99.0 81.0 121.6
 192 15.2 14.4 21.6

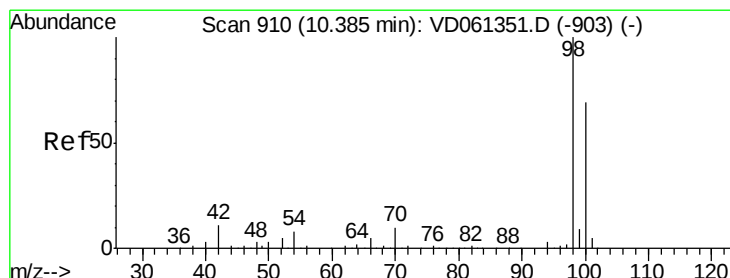
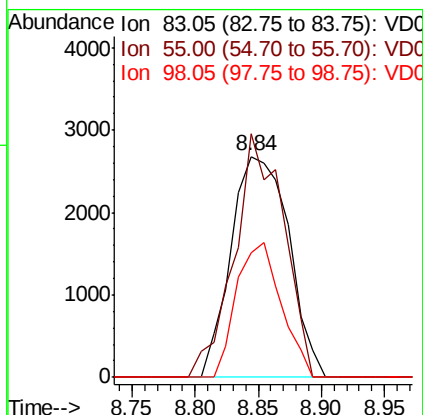
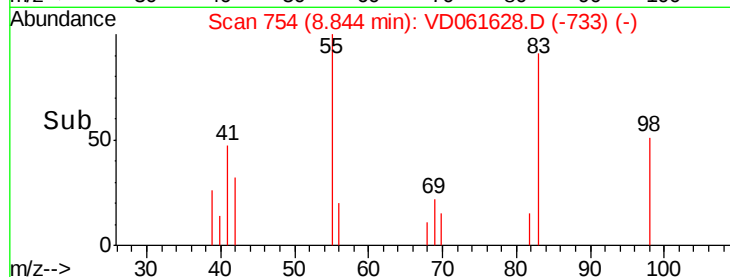
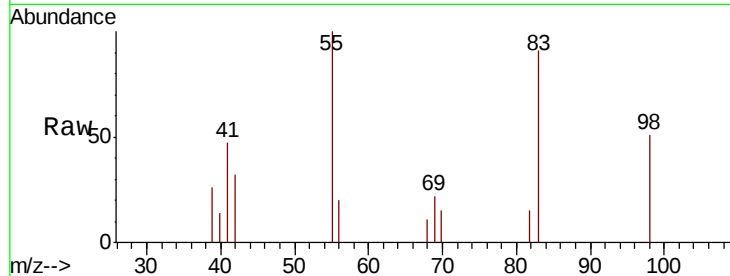




#39
Methylcyclohexane
Concen: 1.087 ug/l
RT: 8.84 min Scan# 754
Delta R.T. 0.01 min
Lab File: VD061628.D
Acq: 5 Apr 2019 18:35

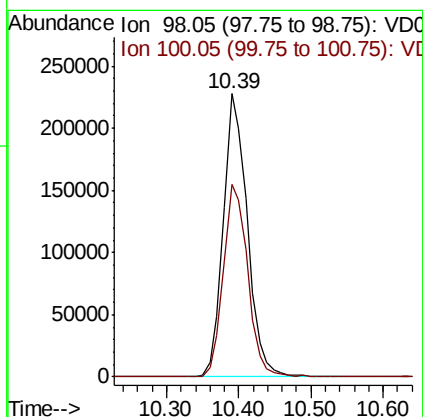
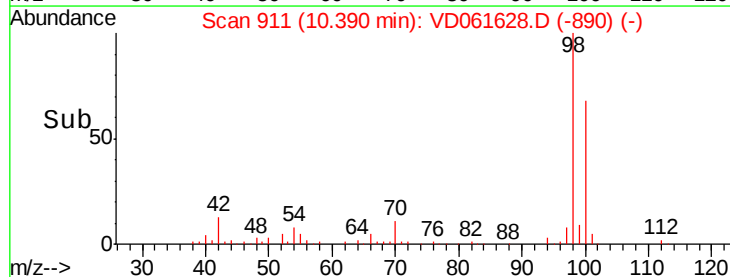
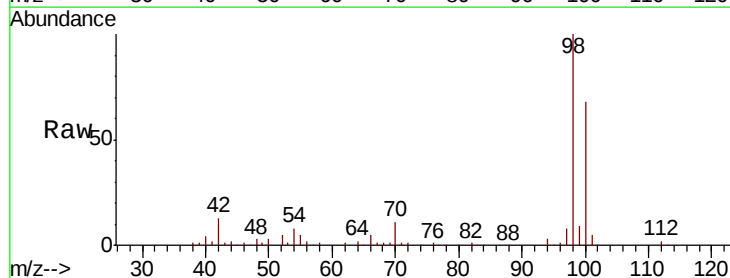
Instrument :
MSVOA_D
ClientSampleId :
HR-06-040319-B

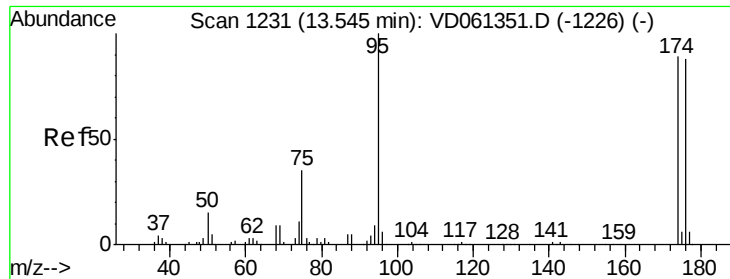
Tot Ion: 83 Resp: 8518
Ion Ratio Lower Upper
83 100
55 110.2 71.5 107.3#
98 56.5 40.3 60.5



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD061628.D
Acq: 5 Apr 2019 18:35

Tgt Ion: 98 Resp: 527505
Ion Ratio Lower Upper
98 100
100 67.8 56.2 84.2





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD061628.D

Acq: 5 Apr 2019 18:35

Instrument :

MSVOA_D

ClientSampleId :

HR-06-040319-B

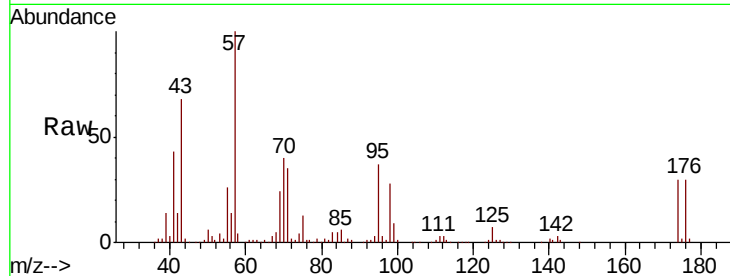
Tot Ion: 95 Resp: 232052

Ion Ratio Lower Upper

95 100

174 80.9 0.0 178.0

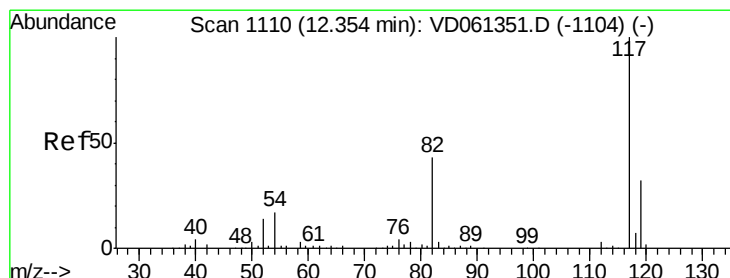
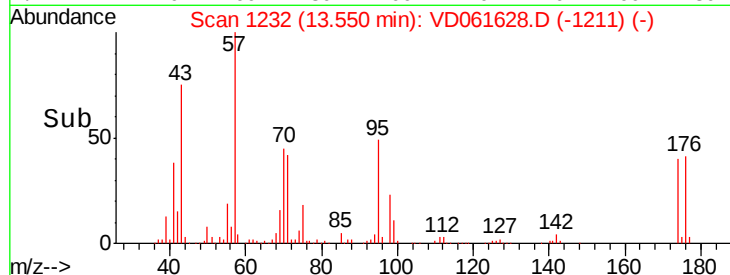
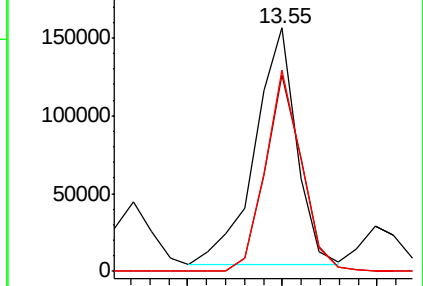
176 82.9 0.0 175.0



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: 12.36 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD061628.D

Acq: 5 Apr 2019 18:35

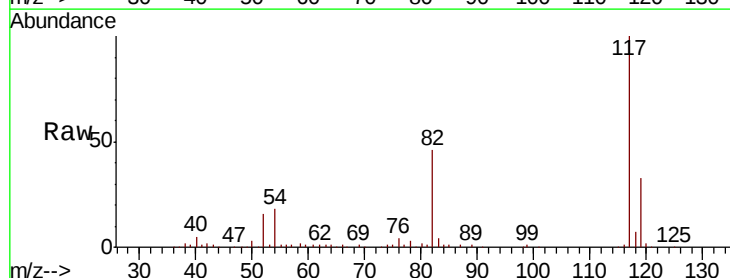
Tgt Ion: 117 Resp: 642796

Ion Ratio Lower Upper

117 100

82 46.0 34.4 51.6

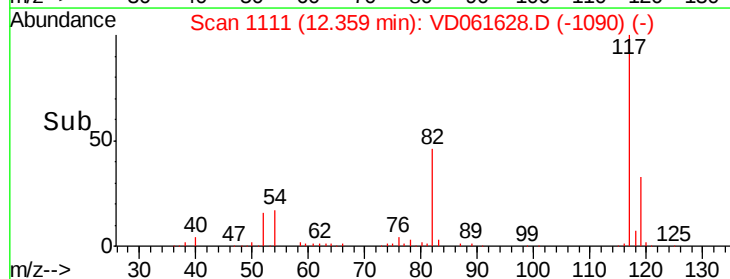
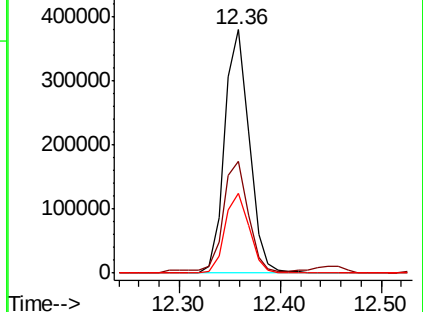
119 32.9 25.8 38.6

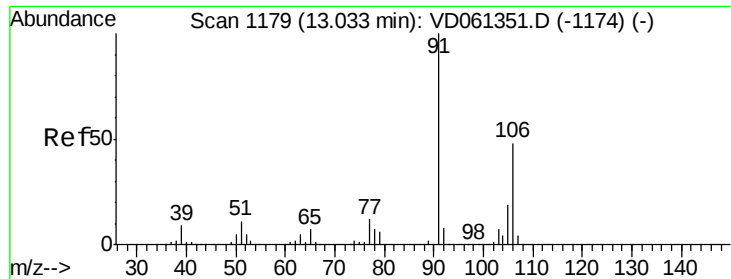


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

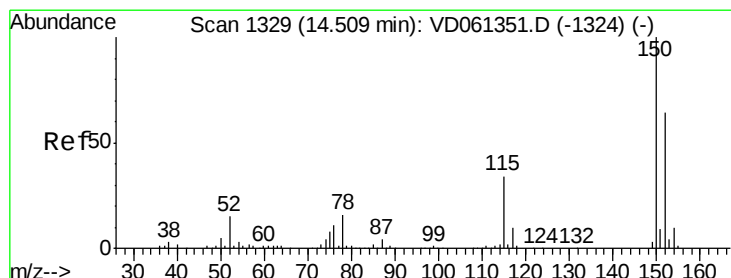
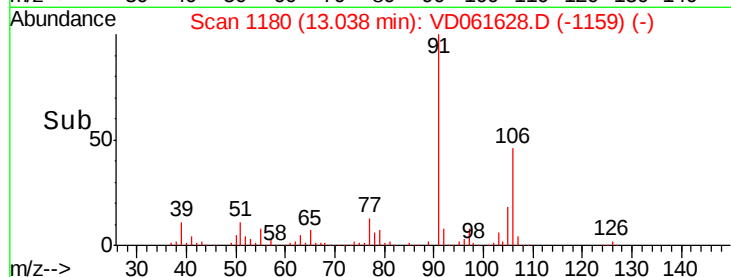
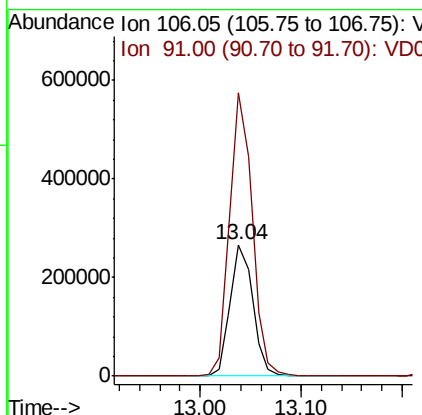
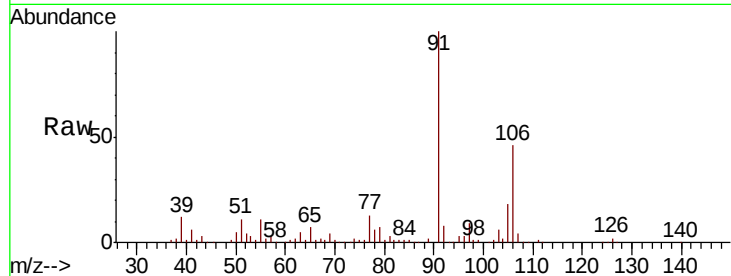




#69
o-Xylene
Concen: 56.675 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD061628.D
Acq: 5 Apr 2019 18:35

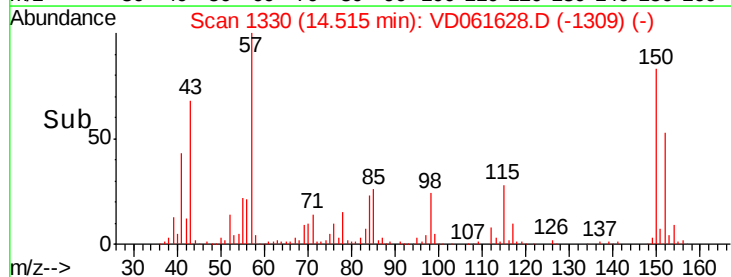
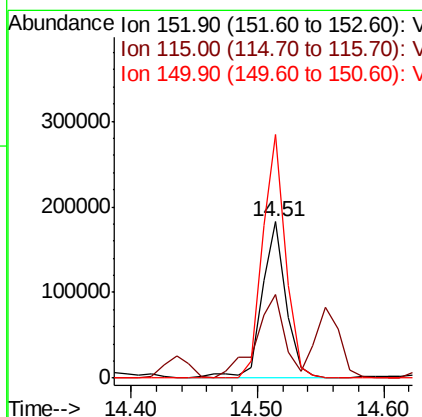
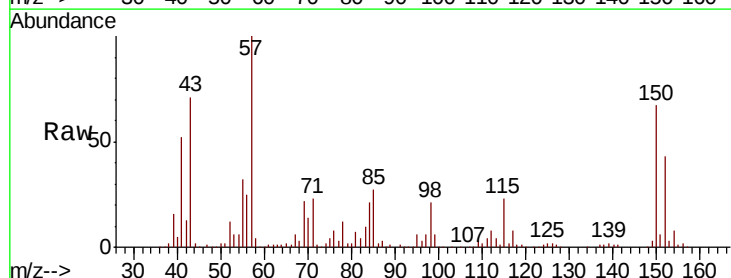
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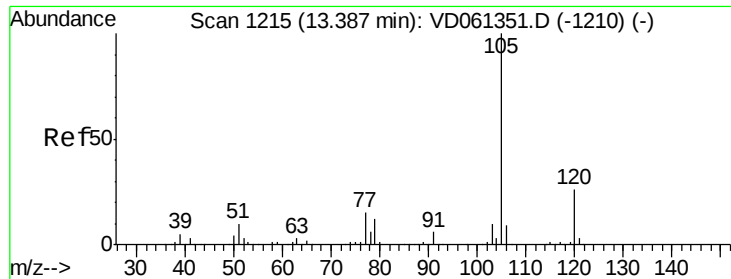
Tot Ion:106 Resp: 417745
Ion Ratio Lower Upper
106 100
91 215.4 103.8 311.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061628.D
Acq: 5 Apr 2019 18:35

Tgt Ion:152 Resp: 243454
Ion Ratio Lower Upper
152 100
115 53.6 26.9 80.6
150 155.8 0.0 318.0





#73

Isopropylbenzene

Concen: 1.492 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD061628.D

Acq: 5 Apr 2019 18:35

Instrument :

MSVOA_D

ClientSampleId :

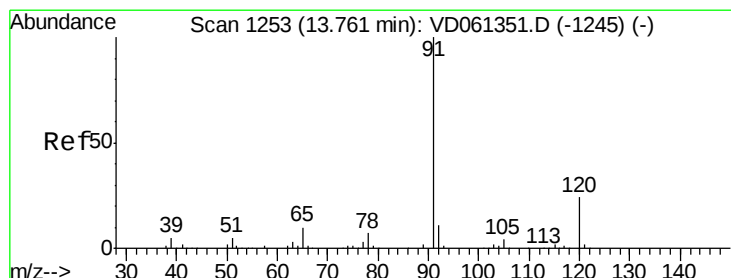
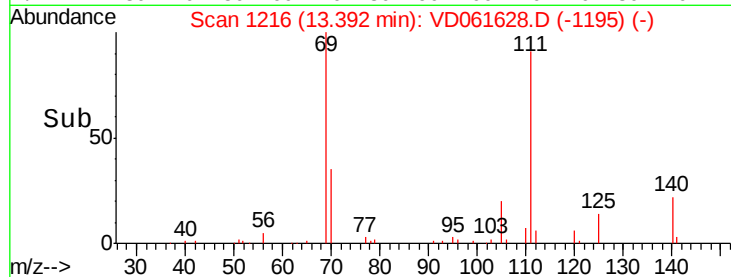
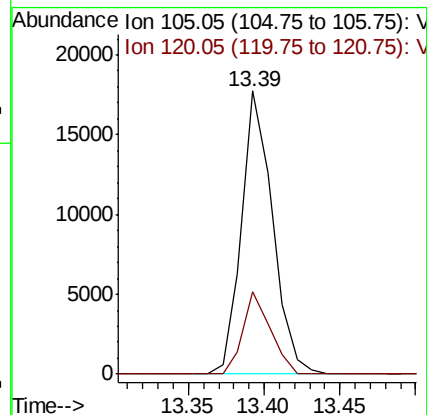
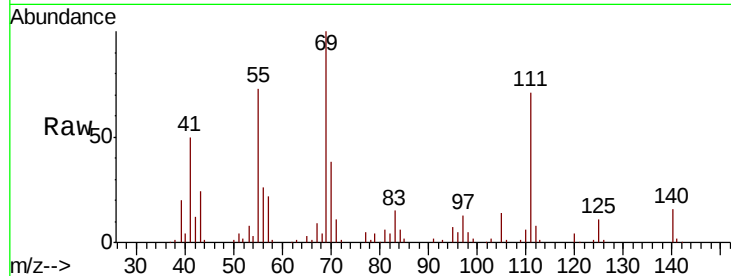
HR-06-040319-B

Tot Ion: 105 Resp: 25278

Ion Ratio Lower Upper

105 100

120 28.9 12.8 38.3



#78

n-propylbenzene

Concen: 1.109 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD061628.D

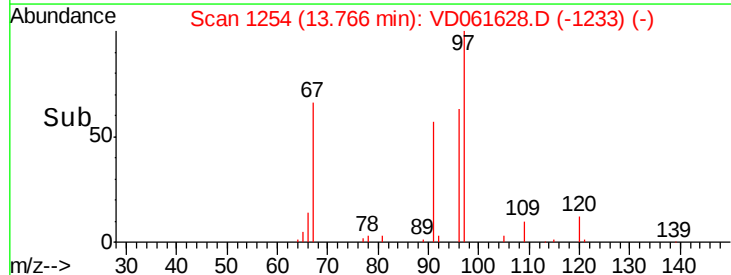
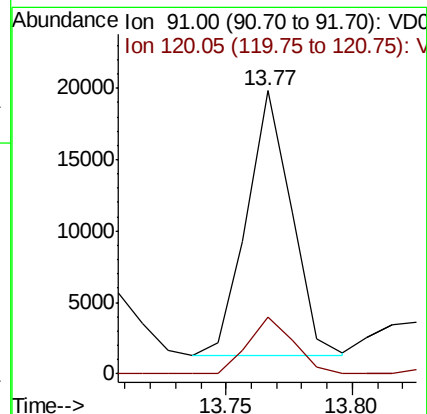
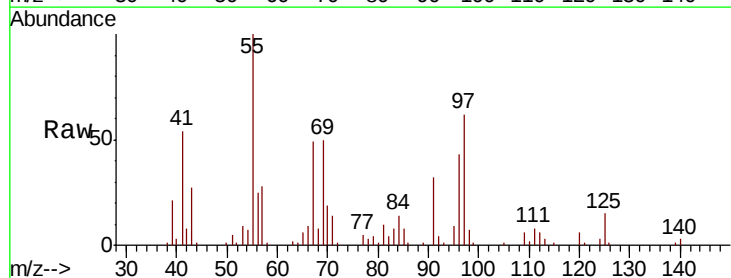
Acq: 5 Apr 2019 18:35

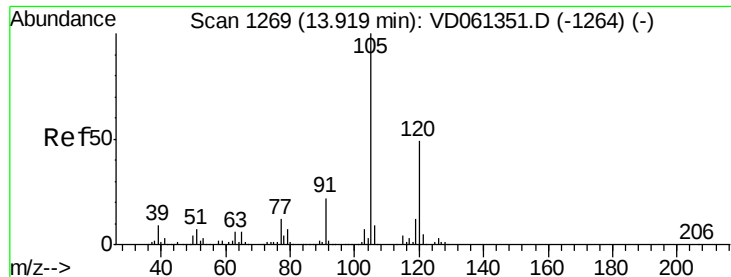
Tgt Ion: 91 Resp: 22986

Ion Ratio Lower Upper

91 100

120 19.9 11.8 35.3

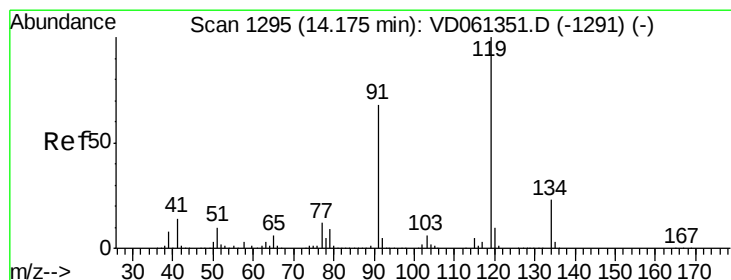
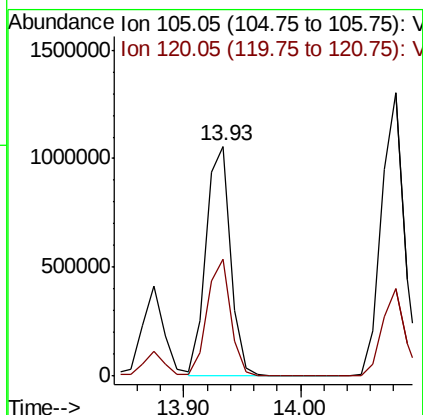
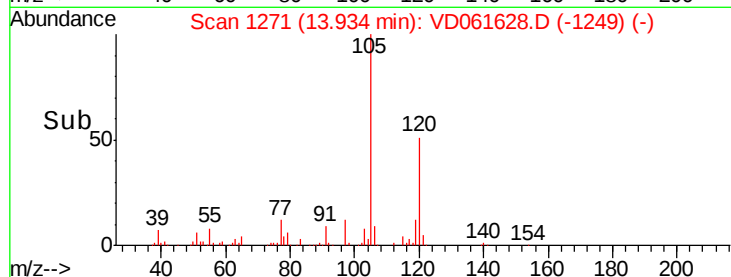
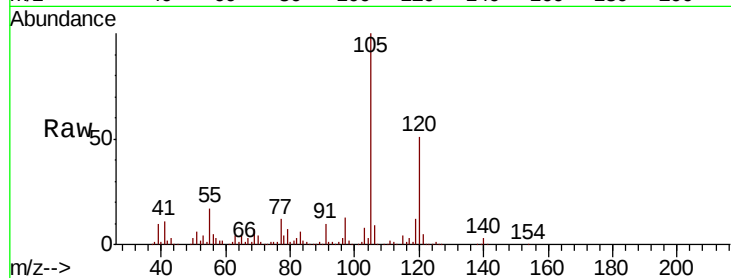




#80
 1,3,5-Trimethylbenzene
 Concen: 116.373 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD061628.D
 Acq: 5 Apr 2019 18:35

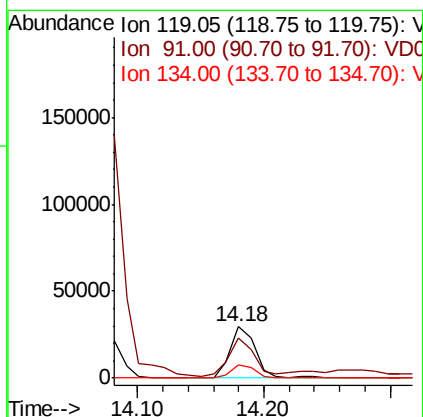
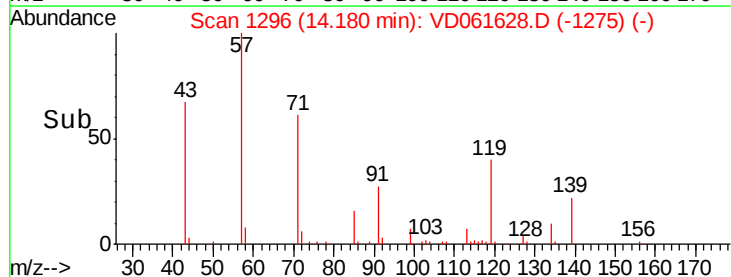
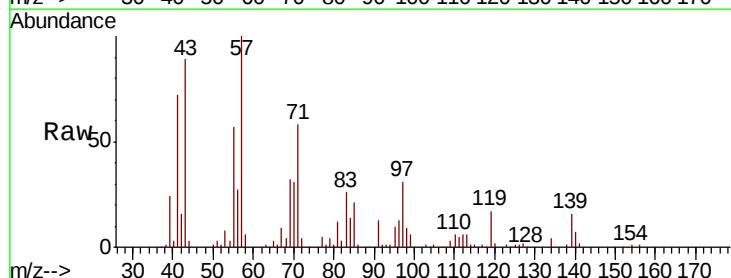
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-06-040319-B

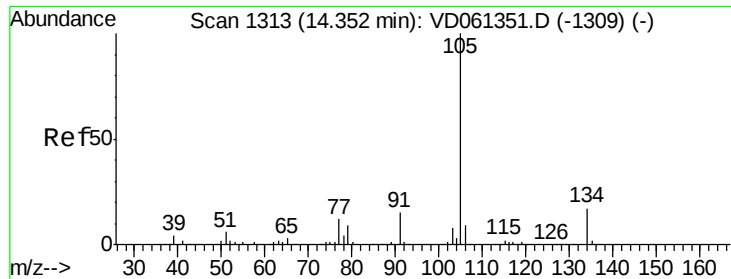
Tot Ion:105 Resp: 1529929
 Ion Ratio Lower Upper
 105 100
 120 50.9 24.6 73.6



#83
 tert-Butylbenzene
 Concen: 2.474 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.01 min
 Lab File: VD061628.D
 Acq: 5 Apr 2019 18:35

Tgt Ion:119 Resp: 40641
 Ion Ratio Lower Upper
 119 100
 91 77.9 34.1 102.3
 134 25.8 11.6 34.8

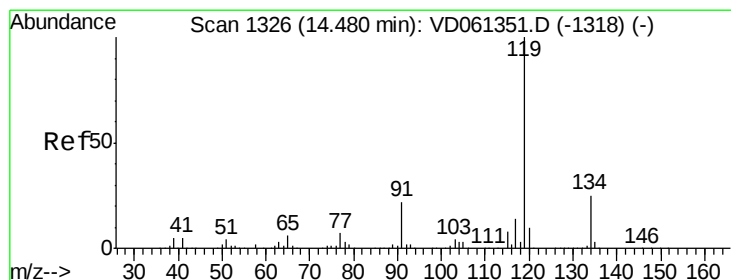
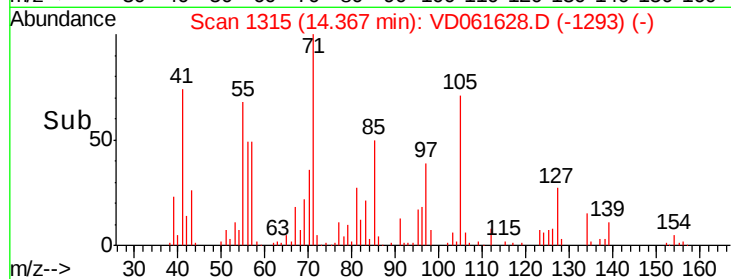
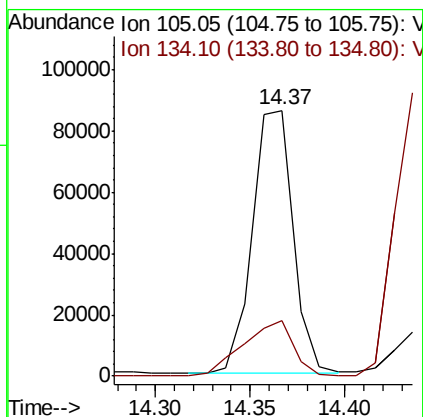
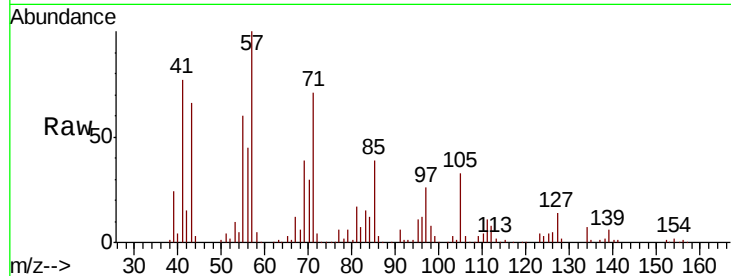




#85
 sec-Butylbenzene
 Concen: 7.303 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061628.D
 Acq: 5 Apr 2019 18:35

Instrument :
 MSVOA_D
 ClientSampleID :
 HR-06-040319-B

Tot Ion:105 Resp: 127466
 Ion Ratio Lower Upper
 105 100
 134 21.0 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 24.637 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD061628.D
 Acq: 5 Apr 2019 18:35

Tgt Ion:119 Resp: 363615
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.3 36.8
 91 24.4 11.1 33.1

