

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062723.D
 Acq On : 17 Jun 2019 13:40
 Operator : VA/AP
 Sample : K3121-01
 Misc : 5.05g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WASTE

Quant Time: Jun 17 14:58:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	329062	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	519676	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	157531	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.54	152	49128	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	236791	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
35) Dibromofluoromethane	6.92	113	226676	41.36	ug/l	0.00
Spiked Amount			Recovery	=	82.72%	
50) Toluene-d8	10.44	98	1793762	155.58	ug/l	0.02
Spiked Amount			Recovery	=	311.16%	
62) 4-Bromofluorobenzene	13.58	95	943659	175.44	ug/l	0.02
Spiked Amount			Recovery	=	350.88%	

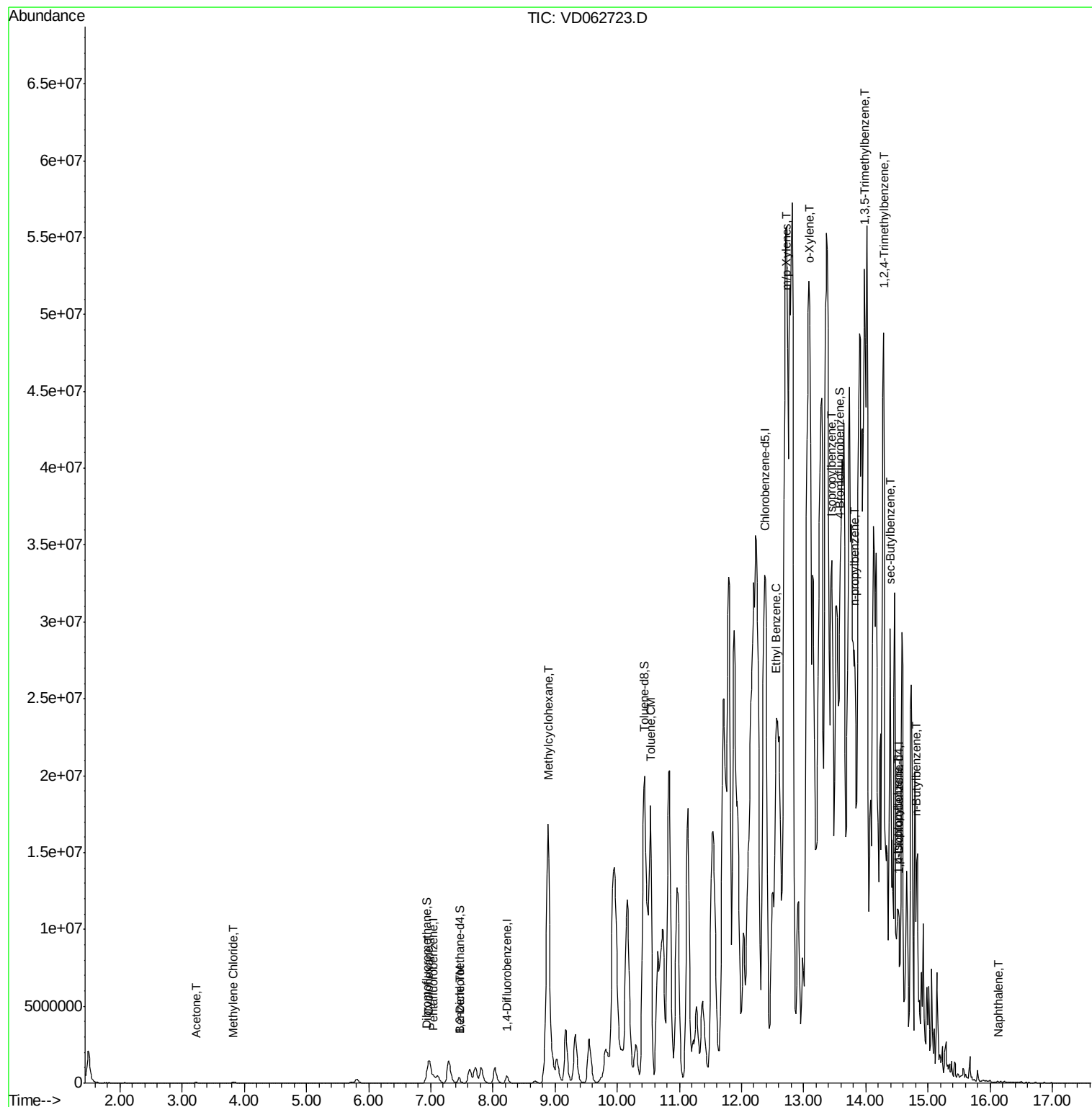
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	114158	131.292	ug/l #	90
20) Methylene Chloride	3.81	84	27891	8.120	ug/l	85
31) Cyclohexane	6.96	56	878186	234.356	ug/l #	83
39) Methylcyclohexane	8.89	83	10178491	2117.741	ug/l	99
40) Benzene	7.46	78	186174	16.028	ug/l	92
52) Toluene	10.53	92	9187128	1176.692	ug/l	94
67) Ethyl Benzene	12.55	91	19800677	3204.993	ug/l #	84
68) m/p-Xylenes	12.73	106	23589349	10860.930	ug/l #	27
69) o-Xylene	13.10	106	12870678	6452.368	ug/l #	23
73) Isopropylbenzene	13.44	105	11019326	3182.223	ug/l	92
78) n-propylbenzene	13.81	91	20441070	4822.529	ug/l #	68
80) 1,3,5-Trimethylbenzene	13.98	105	12802992	4183.482	ug/l	73
84) 1,2,4-Trimethylbenzene	14.27	105	20266425	6688.341	ug/l #	10
85) sec-Butylbenzene	14.39	105	8124549	2295.394	ug/l	99
86) p-Isopropyltoluene	14.51	119	2695578	782.199	ug/l	98
89) n-Butylbenzene	14.81	91	3716522	1198.776	ug/l	94
95) Naphthalene	16.13	128	28106	18.129	ug/l #	90

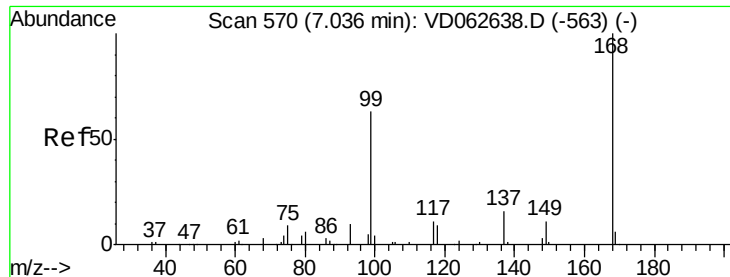
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

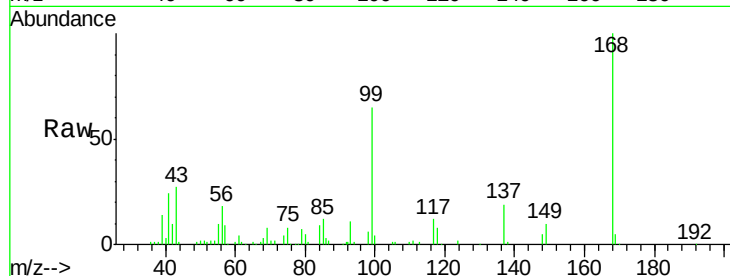
WASTE

Tot Ion:168 Resp: 329062

Ion Ratio Lower Upper

168 100

99 65.5 51.4 77.2

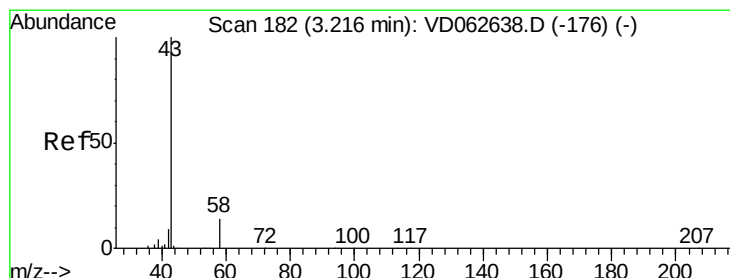
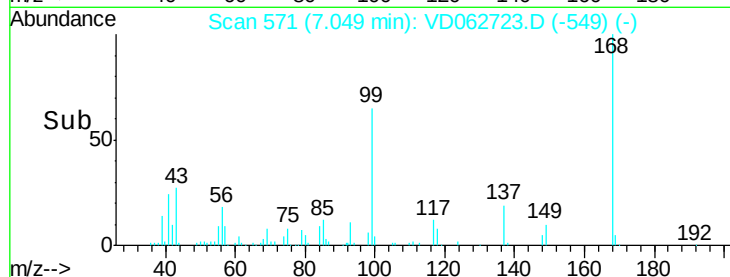


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

Time-->



#16

Acetone

Concen: 131.292 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD062723.D

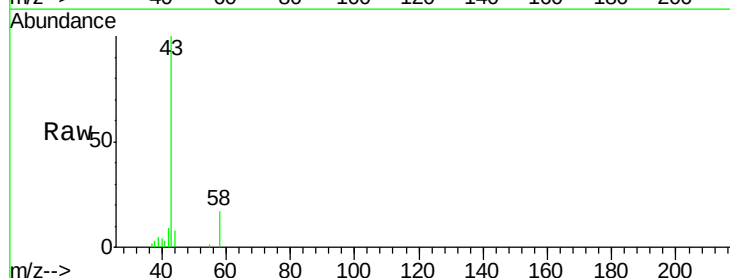
Acq: 17 Jun 2019 13:40

Tgt Ion: 43 Resp: 114158

Ion Ratio Lower Upper

43 100

58 17.3 10.8 16.2#

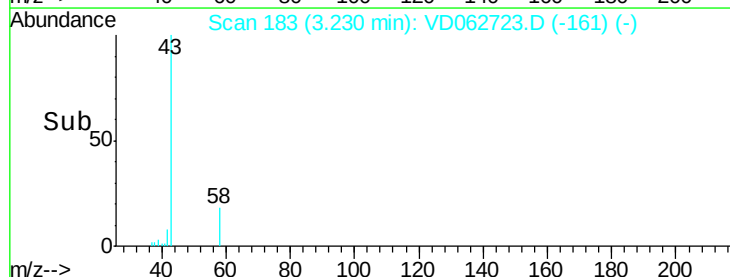


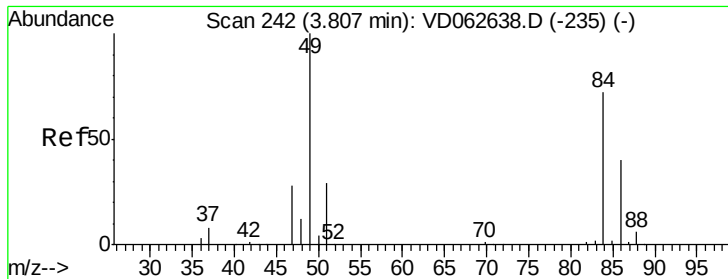
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

Time-->

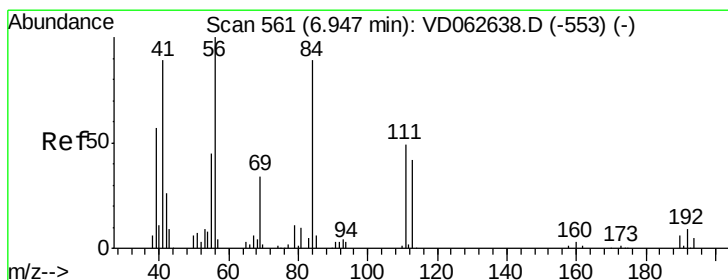
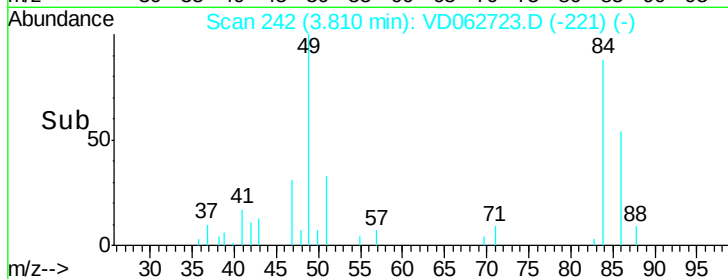
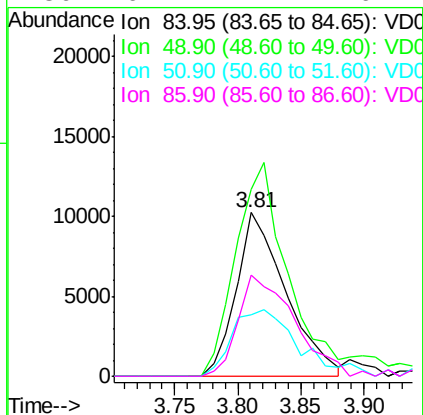
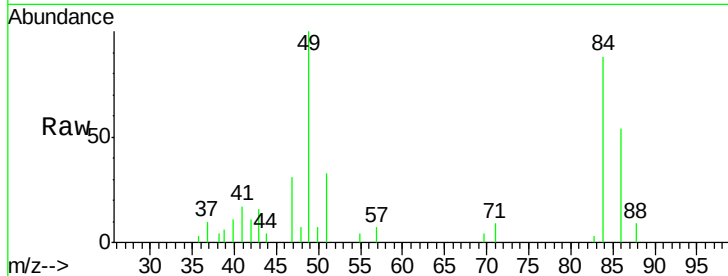




#20
Methvlene Chloride
Concen: 8.120 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

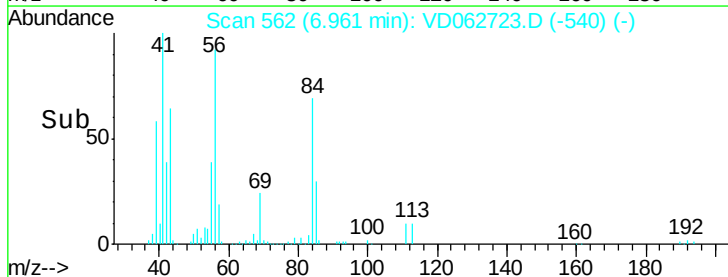
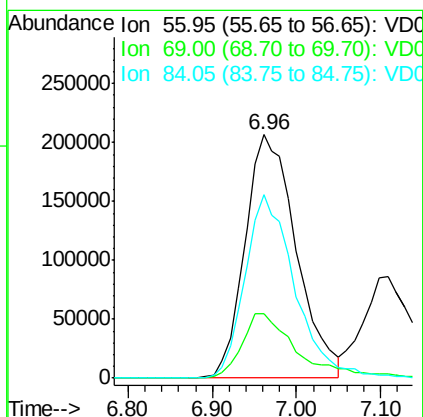
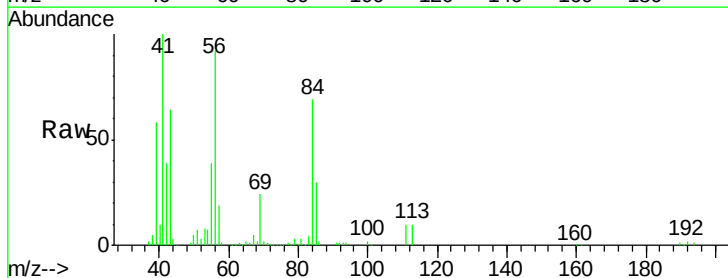
Instrument :
MSVOA_D
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WASTE

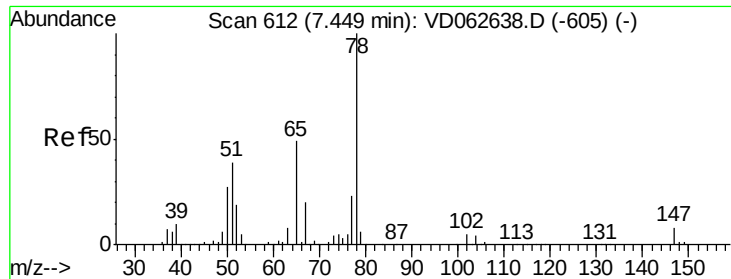
Tot Ion: 84 Resp: 27891
Ion Ratio Lower Upper
84 100
49 114.3 111.2 166.8
51 37.7 31.9 47.9
86 61.7 44.7 67.1



#31
Cyclohexane
Concen: 234.356 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

Tgt Ion: 56 Resp: 878186
Ion Ratio Lower Upper
56 100
69 26.5 26.8 40.2#
84 75.1 73.9 110.9

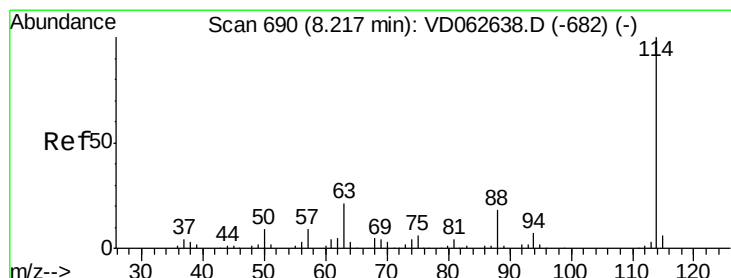
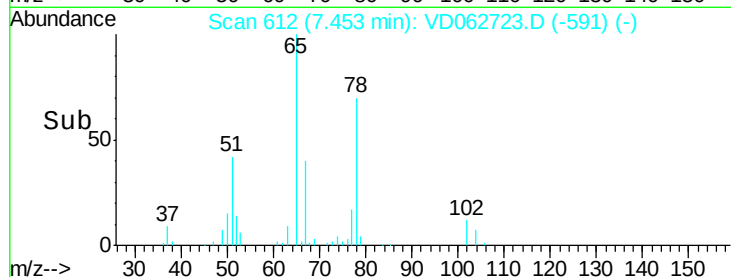
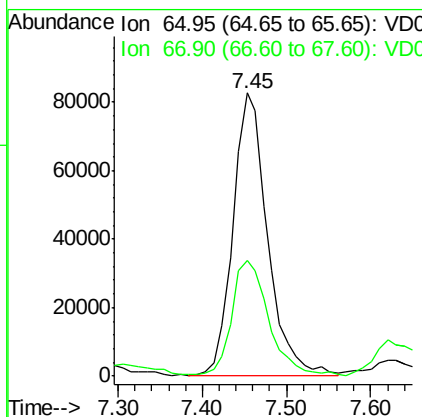
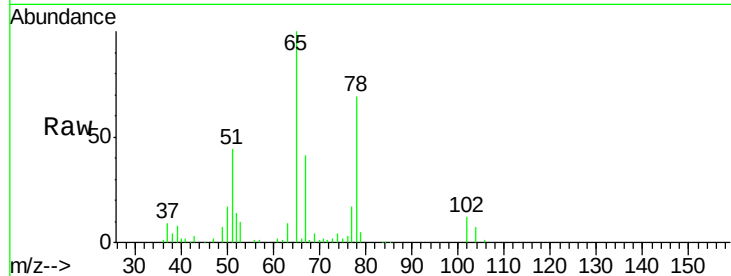




#33
 1,2-Dichloroethane-d4
 Concen: 49.868 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD062723.D
 Acq: 17 Jun 2019 13:40

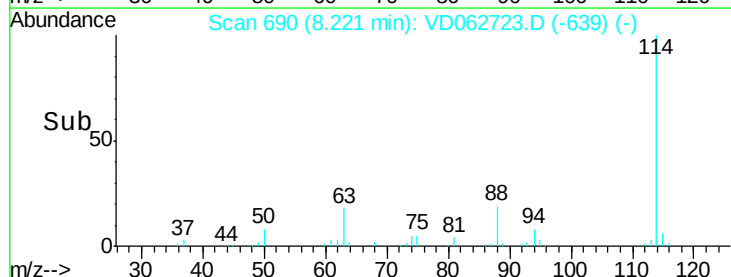
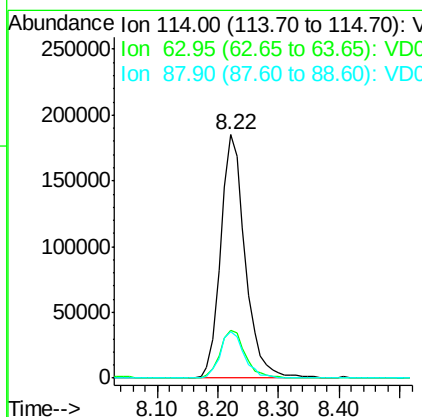
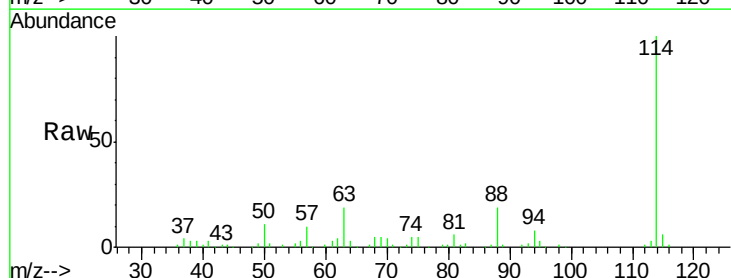
Instrument :
 MSVOA_D
 ClientSampleId :
 WASTE

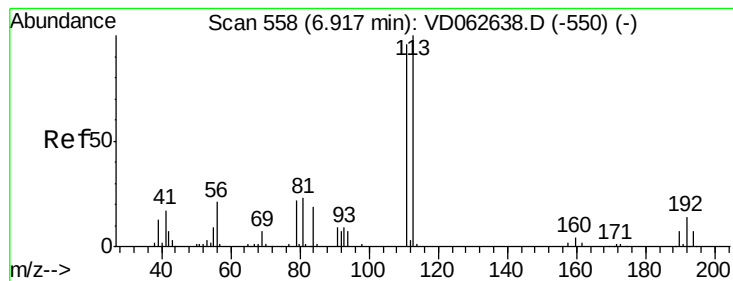
Tot Ion: 65 Resp: 236791
 Ion Ratio Lower Upper
 65 100
 67 40.8 0.0 81.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD062723.D
 Acq: 17 Jun 2019 13:40

Tgt Ion: 114 Resp: 519676
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 42.4
 88 19.3 0.0 36.8





#35

Dibromofluoromethane

Concen: 41.359 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

WASTE

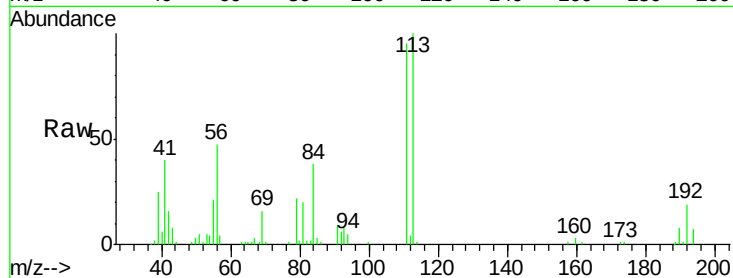
Tot Ion:113 Resp: 226676

Ion Ratio Lower Upper

113 100

111 95.4 76.4 114.6

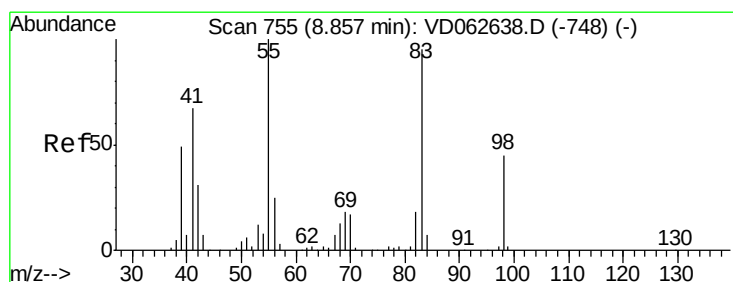
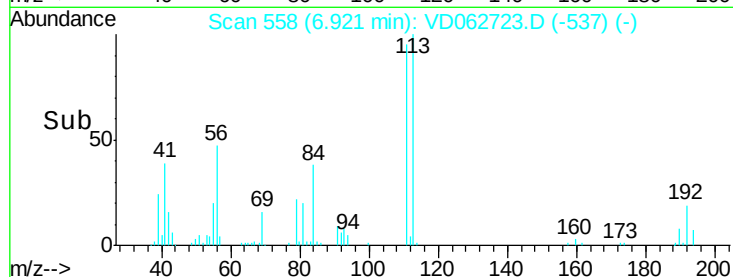
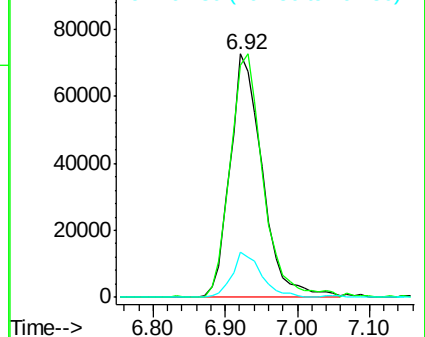
192 18.5 11.4 17.0#



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: 2117.741 ug/l

RT: 8.89 min Scan# 758

Delta R.T. 0.03 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

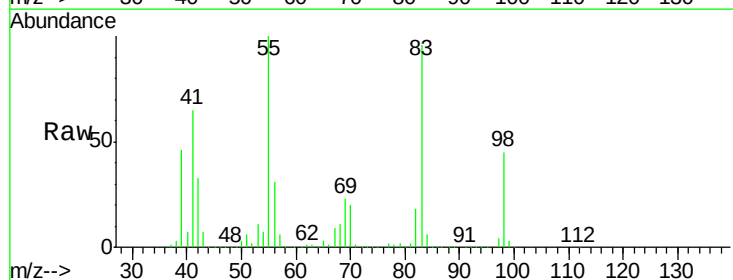
Tgt Ion: 83 Resp:10178491

Ion Ratio Lower Upper

83 100

55 104.5 84.6 127.0

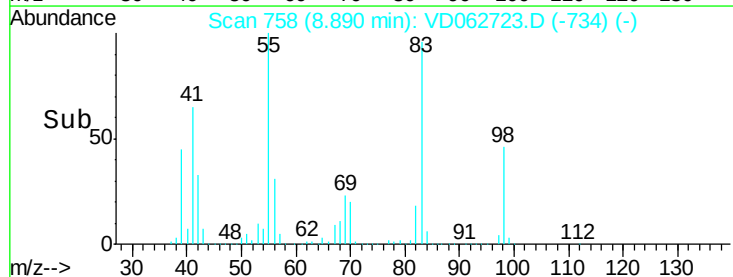
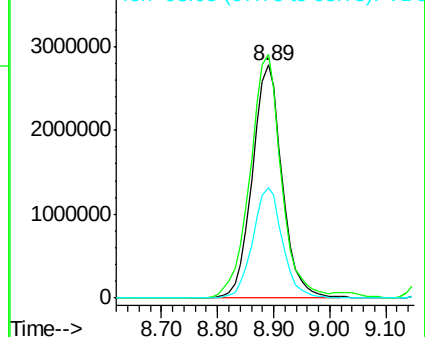
98 47.5 38.2 57.4

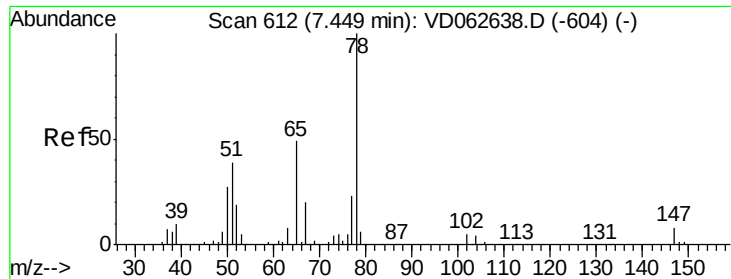


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#40

Benzene

Concen: 16.028 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

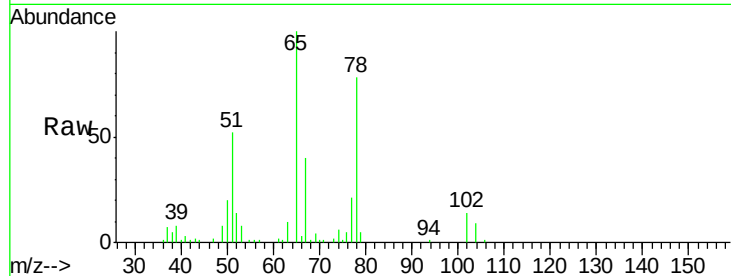
WASTE

Tot Ion: 78 Resp: 186174

Ion Ratio Lower Upper

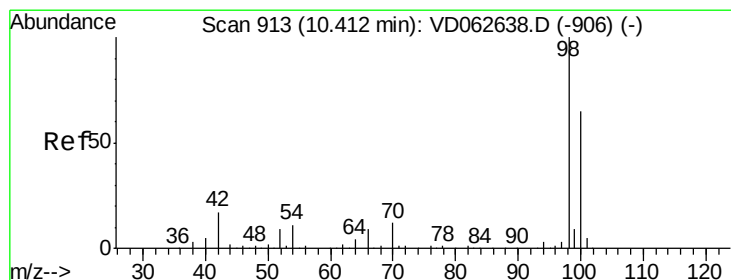
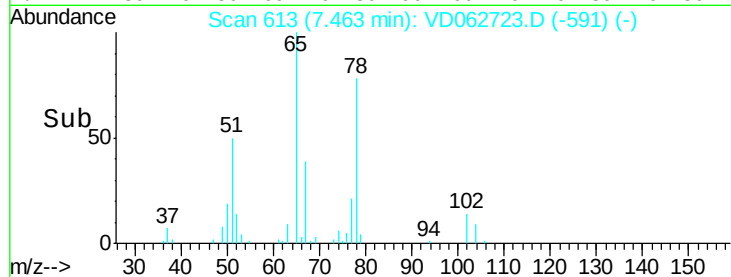
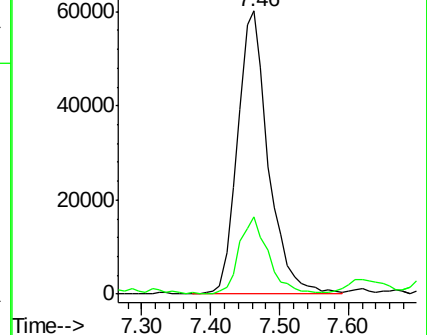
78 100

77 27.2 18.6 28.0



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: 155.581 ug/l

RT: 10.44 min Scan# 915

Delta R.T. 0.02 min

Lab File: VD062723.D

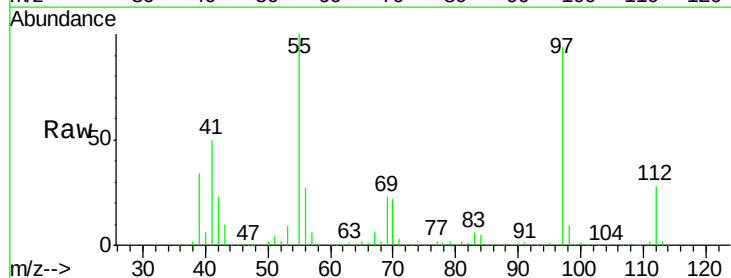
Acq: 17 Jun 2019 13:40

Tgt Ion: 98 Resp: 1793762

Ion Ratio Lower Upper

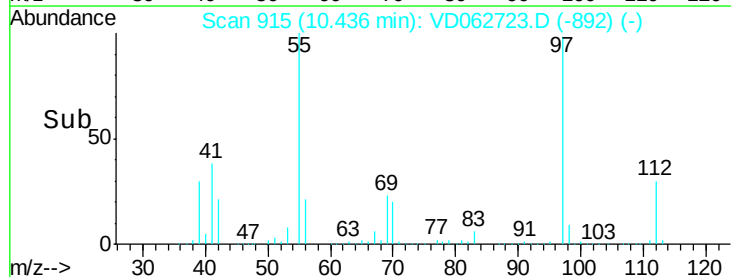
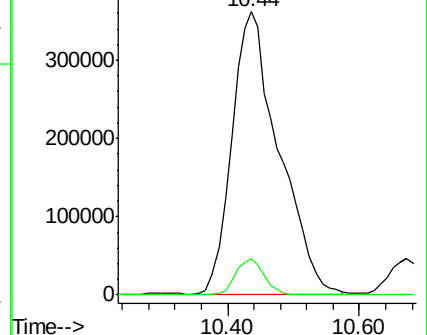
98 100

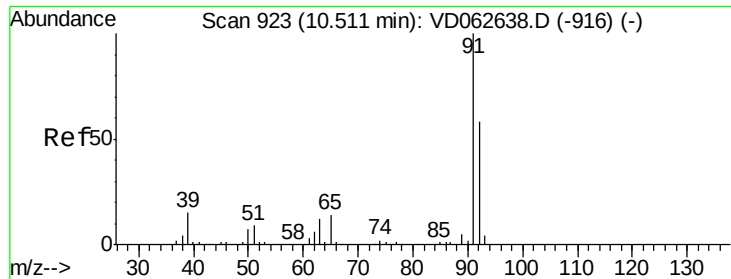
100 12.8 52.1 78.1#



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 1176.692 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

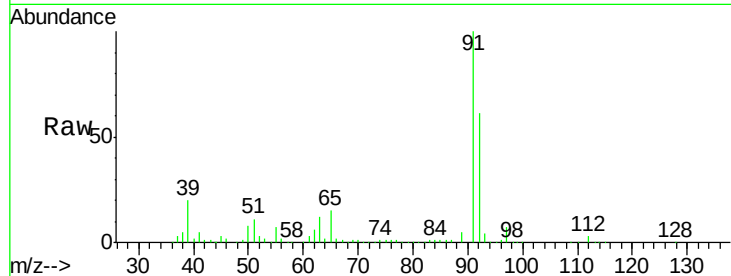
WASTE

Tot Ion: 92 Resp: 9187128

Ion Ratio Lower Upper

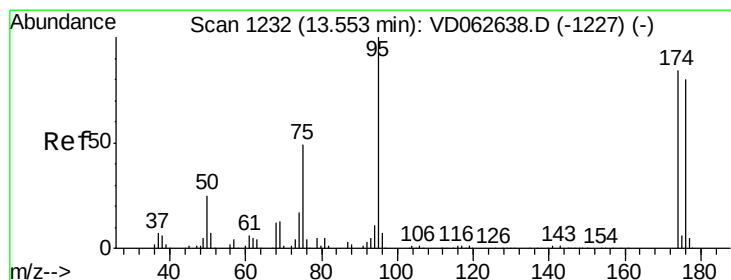
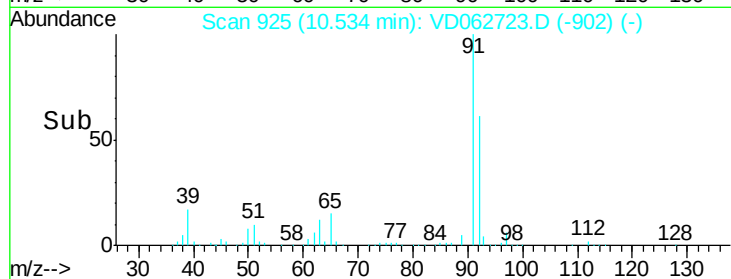
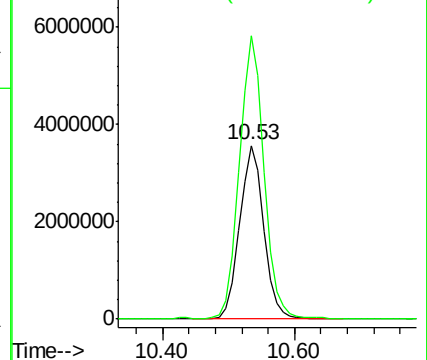
92 100

91 163.2 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 175.438 ug/l

RT: 13.58 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

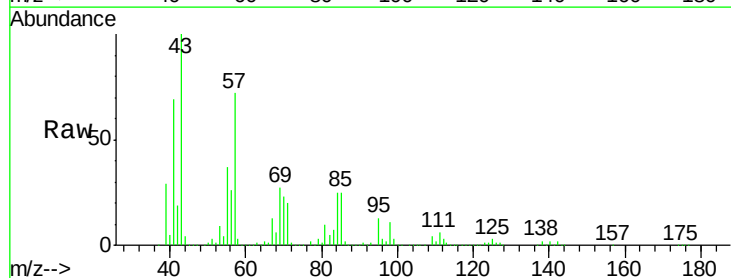
Tgt Ion: 95 Resp: 943659

Ion Ratio Lower Upper

95 100

174 2.1 0.0 167.0

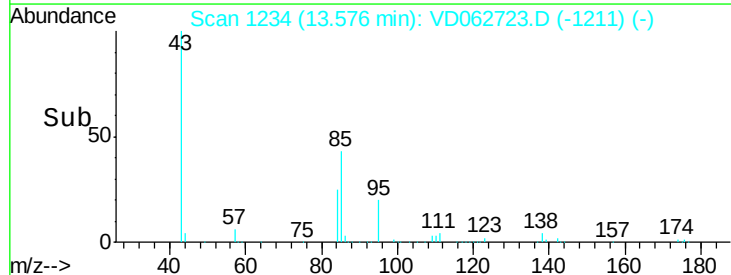
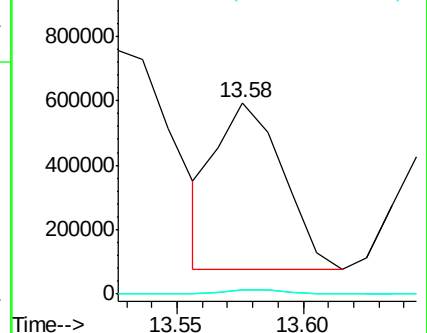
176 2.5 0.0 159.2

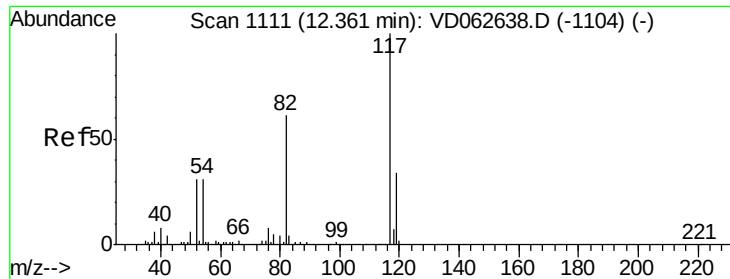


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

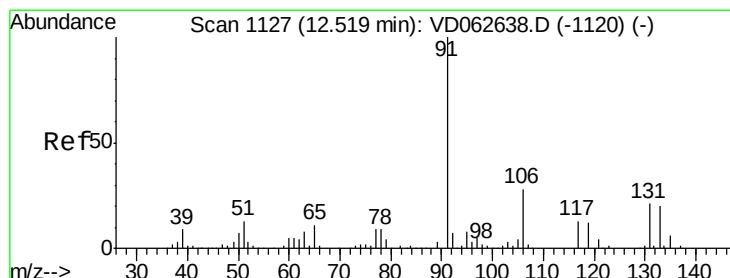
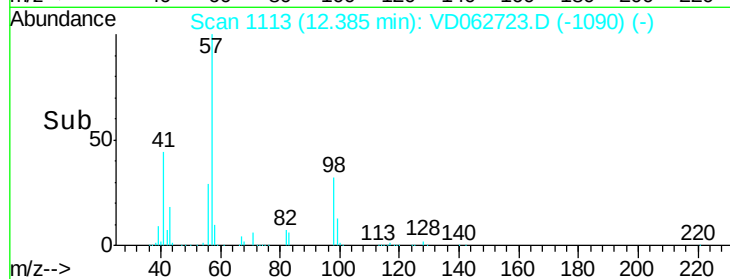
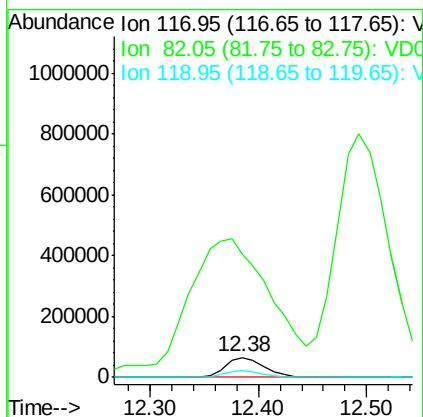
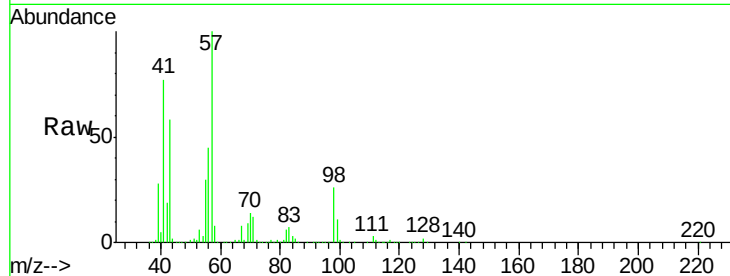




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

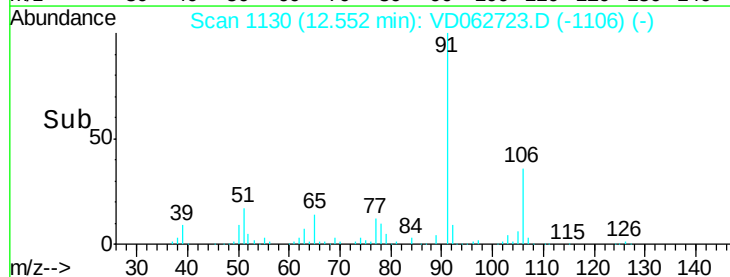
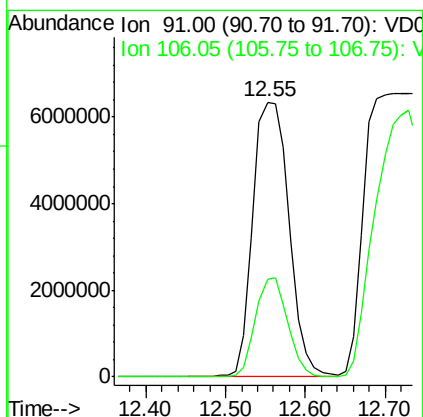
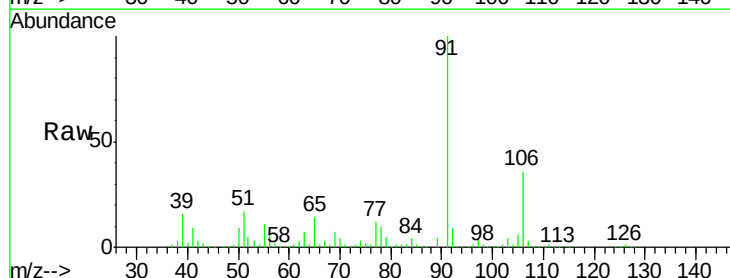
Instrument :
MSVOA_D
ClientSampleId :
WASTE

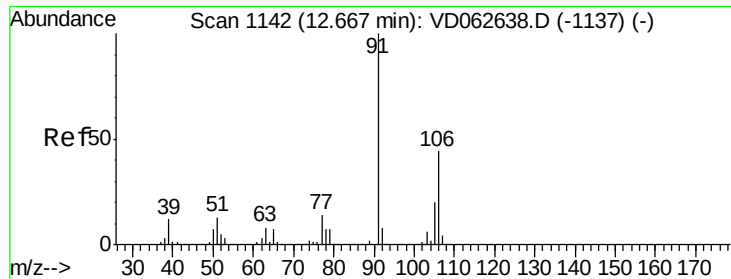
Tot Ion:117 Resp: 157531
Ion Ratio Lower Upper
117 100
82 624.0 48.7 73.1#
119 32.6 27.0 40.6



#67
Ethyl Benzene
Concen: 3204.993 ug/l
RT: 12.55 min Scan# 1130
Delta R.T. 0.03 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

Tgt Ion: 91 Resp:19800677
Ion Ratio Lower Upper
91 100
106 35.8 22.1 33.1#

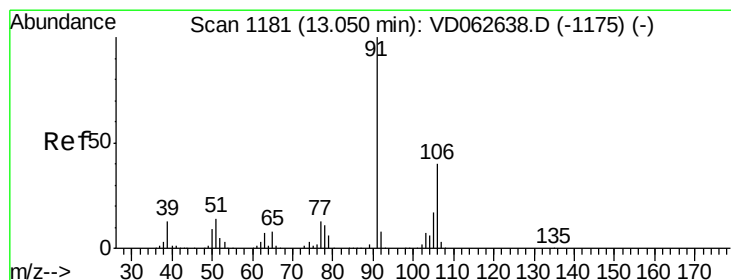
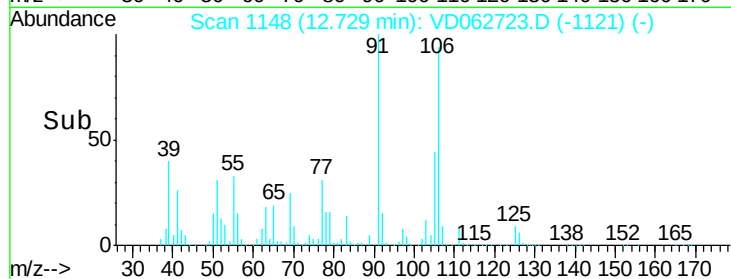
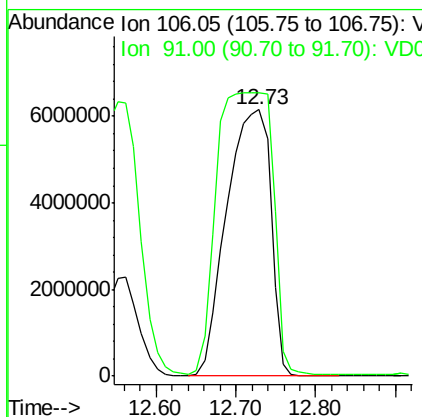
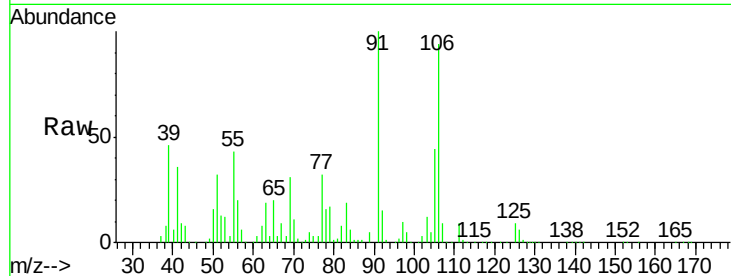




#68
m/p-Xylenes
Concen: 10860.930 ug/l
RT: 12.73 min Scan# 1148
Delta R.T. 0.06 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

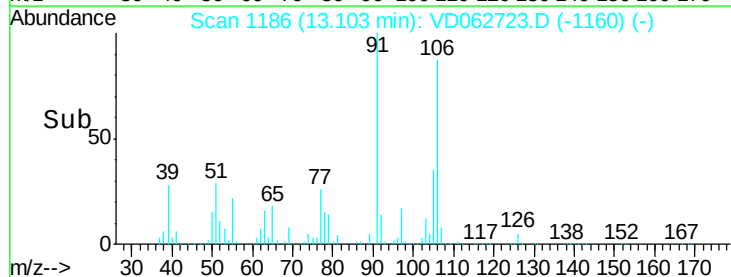
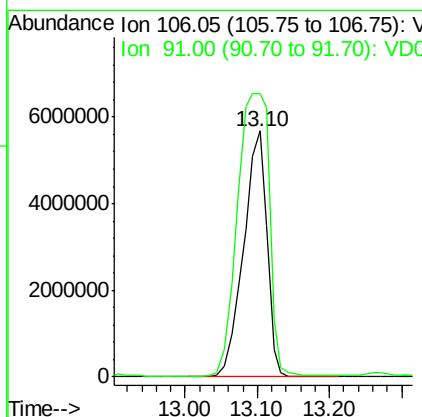
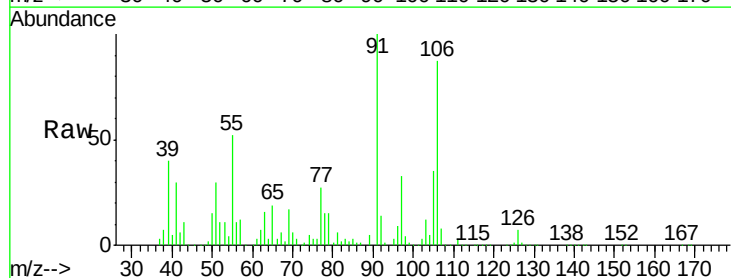
Instrument :
MSVOA_D
ClientSampleId :
WASTE

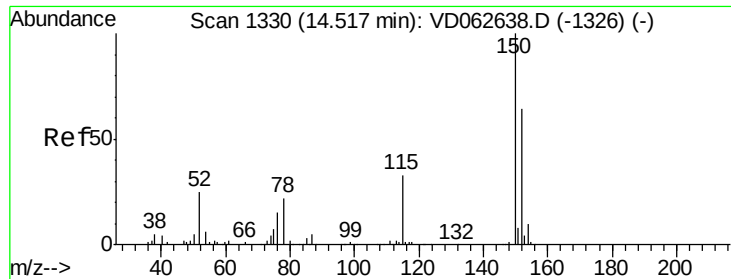
Tot Ion:106 Resp:23589349
Ion Ratio Lower Upper
106 100
91 106.2 180.2 270.4#



#69
o-Xylene
Concen: 6452.368 ug/l
RT: 13.10 min Scan# 1186
Delta R.T. 0.05 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

Tgt Ion:106 Resp:12870678
Ion Ratio Lower Upper
106 100
91 115.1 124.1 372.1#



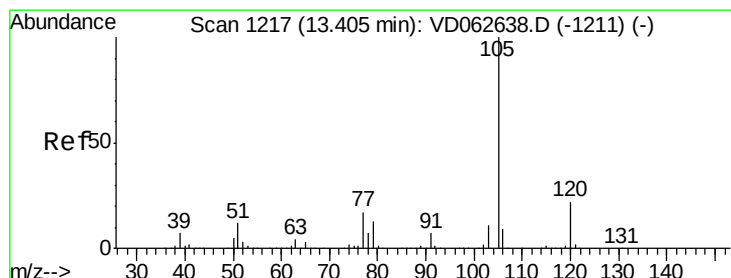
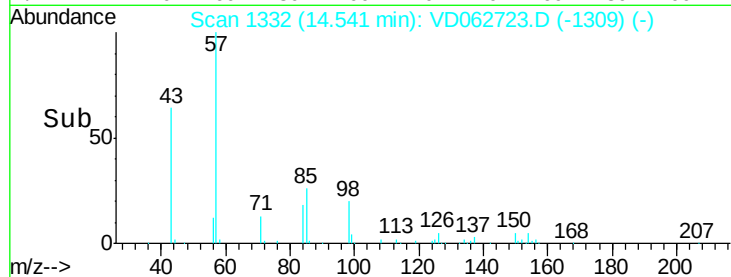
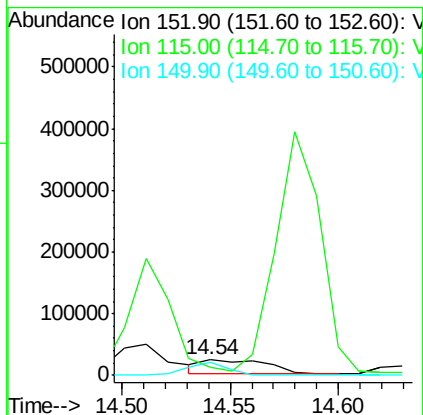
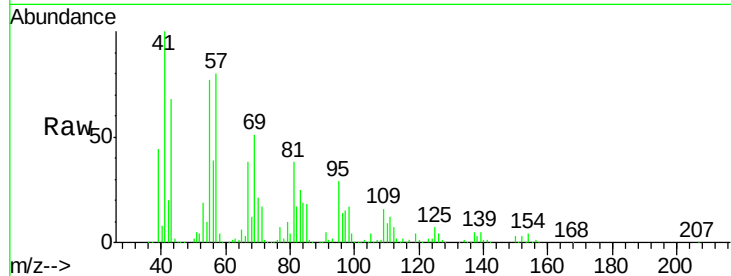


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.54 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
WASTE

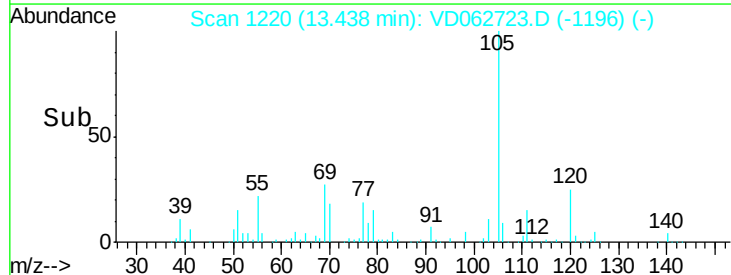
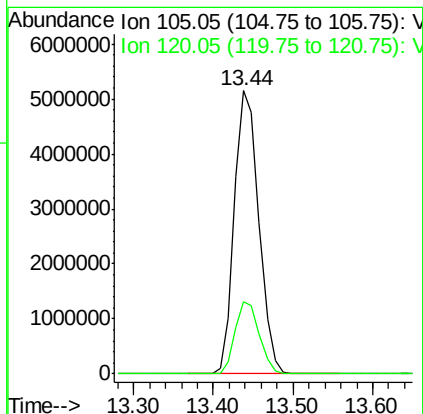
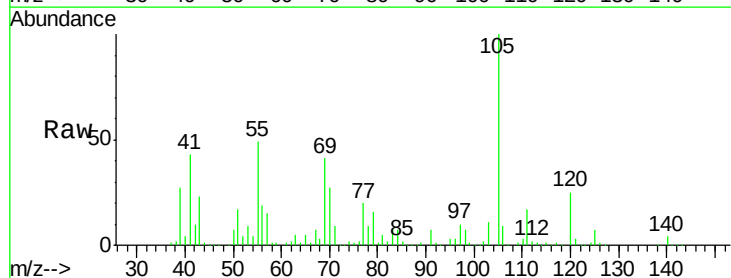
Tot Ion:152 Resp: 49128
Ion Ratio Lower Upper
152 100
115 56.7 30.1 90.5
150 87.9 0.0 314.0

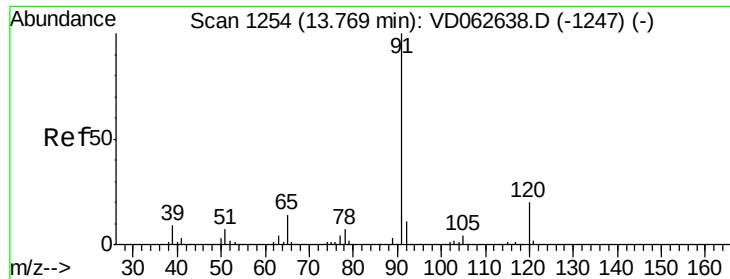


#73

Isopropylbenzene
Concen: 3182.223 ug/l
RT: 13.44 min Scan# 1220
Delta R.T. 0.03 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

Tgt Ion:105 Resp:11019326
Ion Ratio Lower Upper
105 100
120 25.4 10.9 32.7

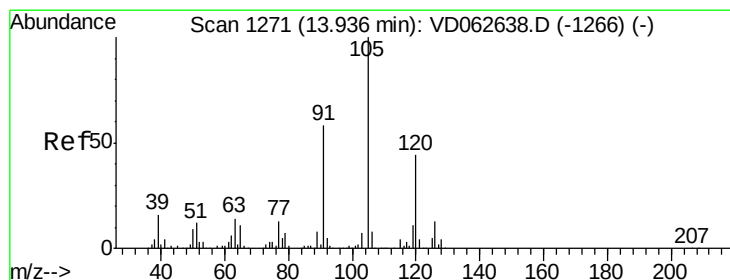
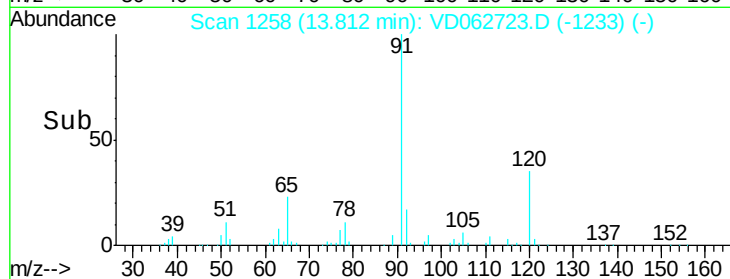
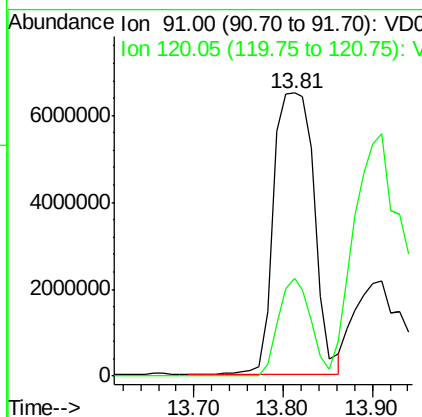
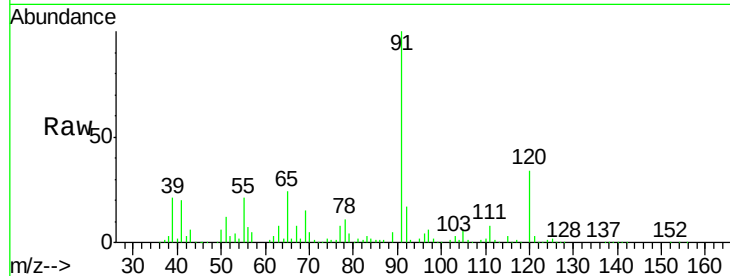




#78
 n-propylbenzene
 Concen: 4822.529 ug/l
 RT: 13.81 min Scan# 1258
 Delta R.T. 0.04 min
 Lab File: VD062723.D
 Acq: 17 Jun 2019 13:40

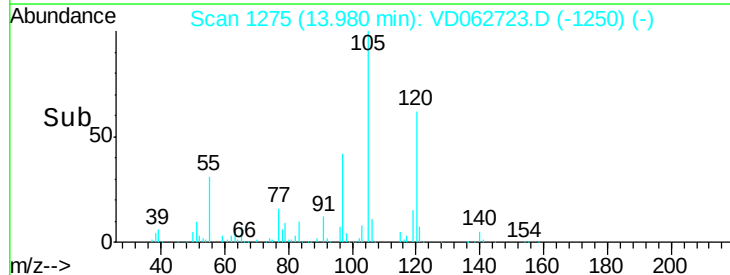
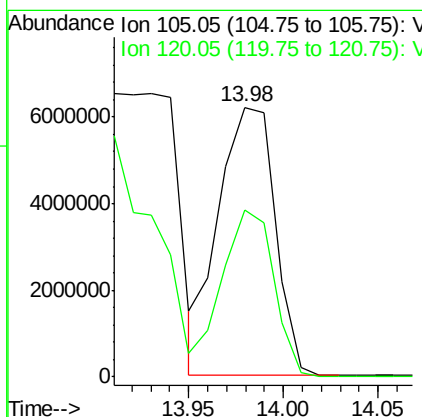
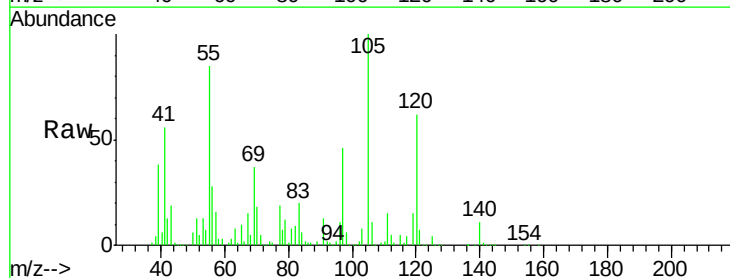
Instrument :
 MSVOA_D
 ClientSampleId :
 WASTE

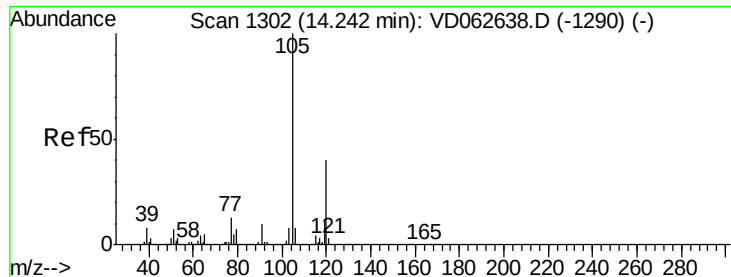
Tot Ion: 91 Resp:20441070
 Ion Ratio Lower Upper
 91 100
 120 34.4 9.8 29.5#



#80
 1,3,5-Trimethylbenzene
 Concen: 4183.482 ug/l
 RT: 13.98 min Scan# 1275
 Delta R.T. 0.04 min
 Lab File: VD062723.D
 Acq: 17 Jun 2019 13:40

Tgt Ion:105 Resp:12802992
 Ion Ratio Lower Upper
 105 100
 120 61.9 22.1 66.5





#84

1,2,4-Trimethylbenzene

Concen: 6688.341 ug/l

RT: 14.27 min Scan# 1305

Delta R.T. 0.03 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

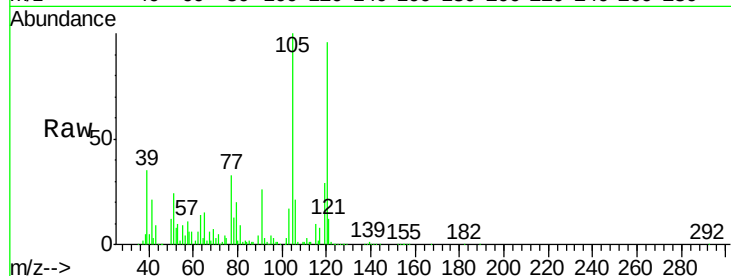
WASTE

Tot Ion:105 Resp:20266425

Ion Ratio Lower Upper

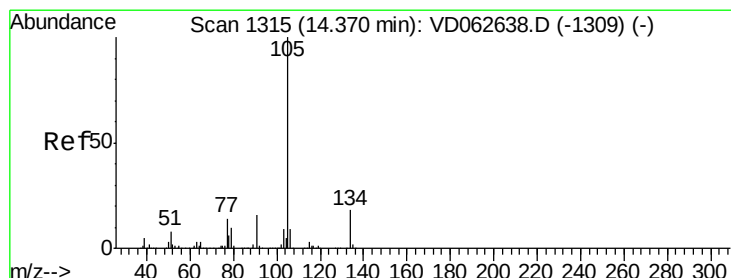
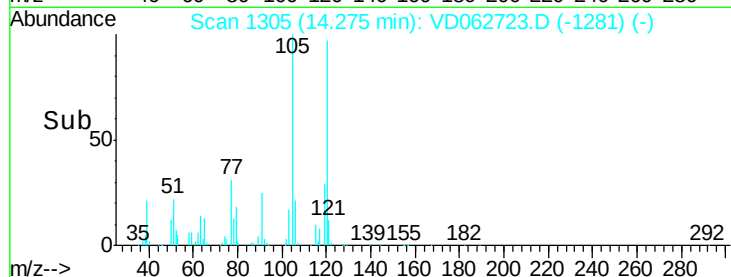
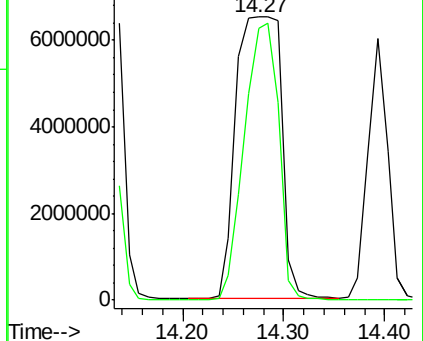
105 100

120 96.3 20.3 60.8#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#85

sec-Butylbenzene

Concen: 2295.394 ug/l

RT: 14.39 min Scan# 1317

Delta R.T. 0.02 min

Lab File: VD062723.D

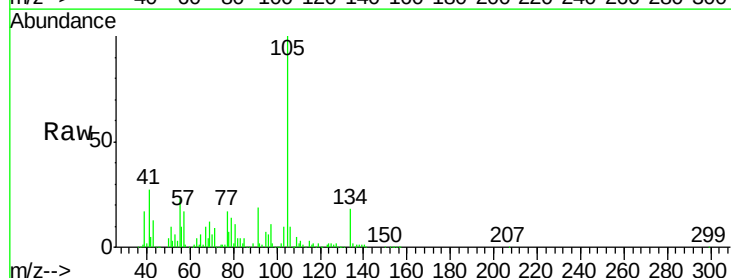
Acq: 17 Jun 2019 13:40

Tgt Ion:105 Resp: 8124549

Ion Ratio Lower Upper

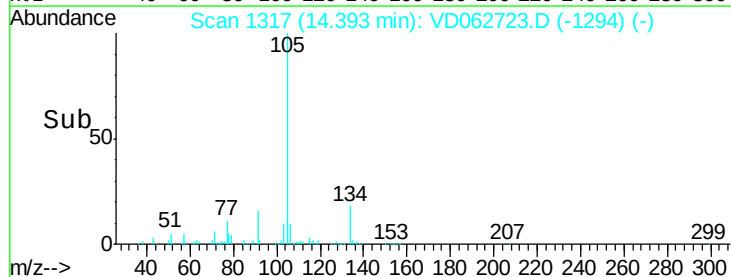
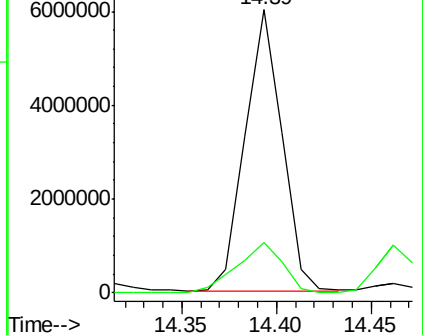
105 100

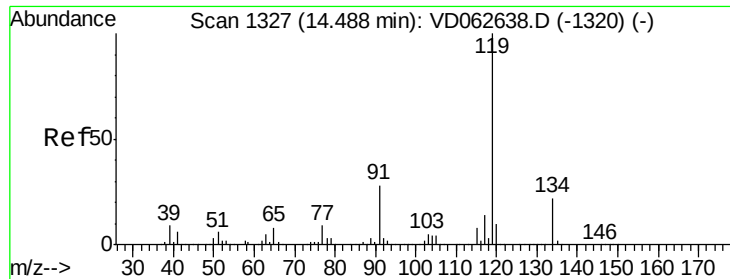
134 18.0 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

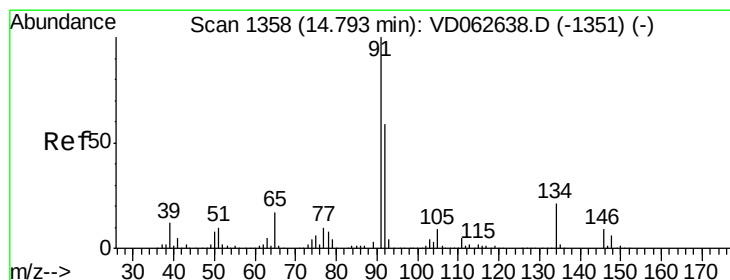
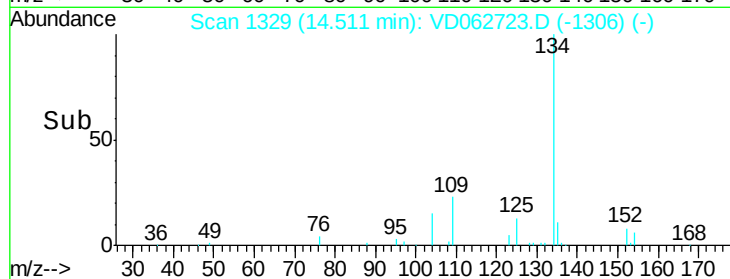
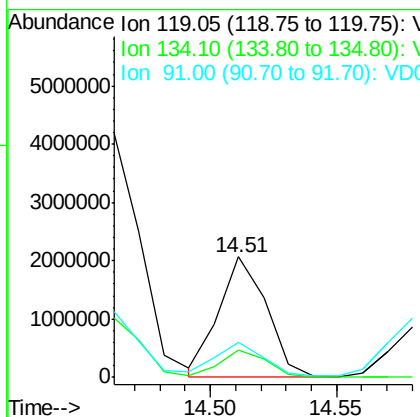
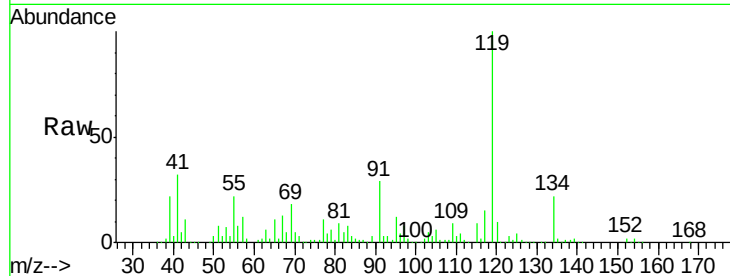




#86
 p-Isopropyltoluene
 Concen: 782.199 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. 0.02 min
 Lab File: VD062723.D
 Acq: 17 Jun 2019 13:40

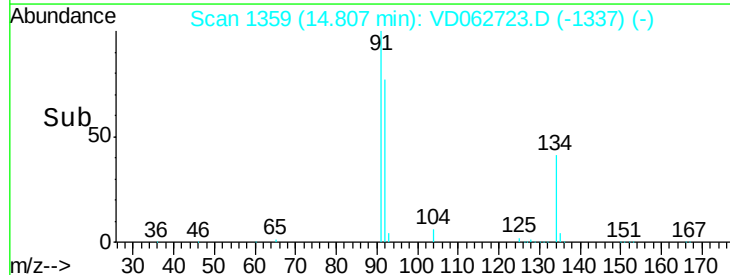
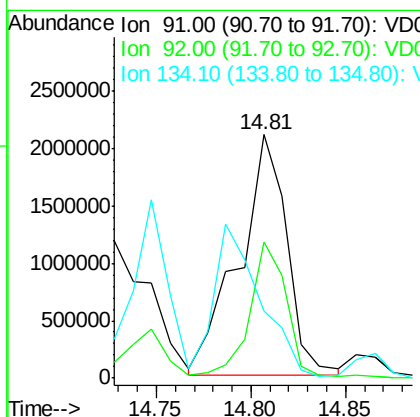
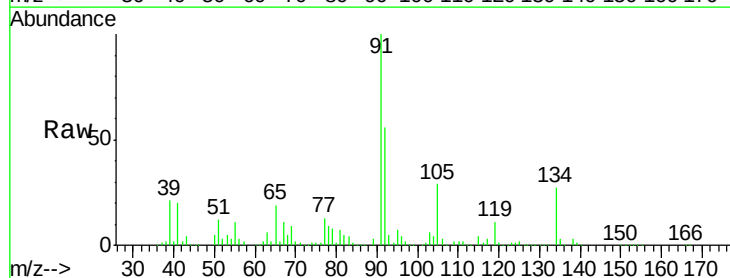
Instrument :
 MSVOA_D
 ClientSampleId :
 WASTE

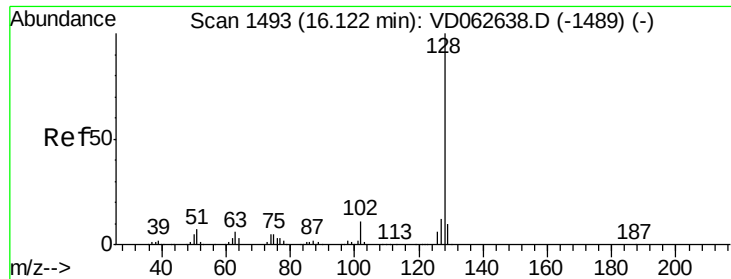
Tot Ion:119 Resp: 2695578
 Ion Ratio Lower Upper
 119 100
 134 22.3 10.9 32.6
 91 29.3 13.9 41.6



#89
 n-Butylbenzene
 Concen: 1198.776 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD062723.D
 Acq: 17 Jun 2019 13:40

Tgt Ion: 91 Resp: 3716522
 Ion Ratio Lower Upper
 91 100
 92 56.1 29.4 88.3
 134 27.3 10.4 31.2

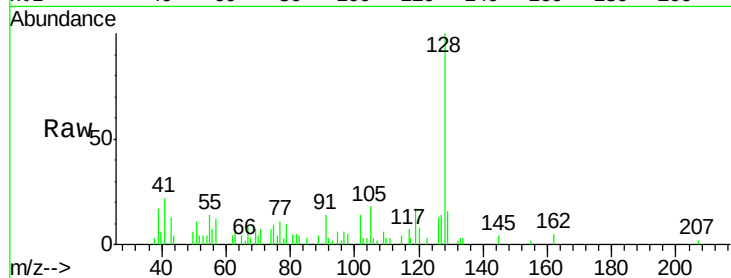




#95
Naphthalene
Concen: 18.129 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
WASTE

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.3	9.7	14.5
129	15.8	8.1	12.1



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

