

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031519\
 Data File : VD061094.D
 Acq On : 15 Mar 2019 18:39
 Operator : VA/AP
 Sample : K1908-03RE
 Misc : 5.98g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 101-102RE

Quant Time: Mar 16 05:44:16 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	7.08	168	335512	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.25	114	598044	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	511524	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	204289	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	154799	55.43	ug/l	0.04
Spiked Amount	50.000		Recovery	=	110.86%	
35) Dibromofluoromethane	6.95	113	227006	51.15	ug/l	0.03
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	10.43	98	473896	42.52	ug/l	0.04
Spiked Amount	50.000		Recovery	=	85.04%	
62) 4-Bromofluorobenzene	13.57	95	186053	43.02	ug/l	0.02
Spiked Amount	50.000		Recovery	=	86.04%	

Target Compounds

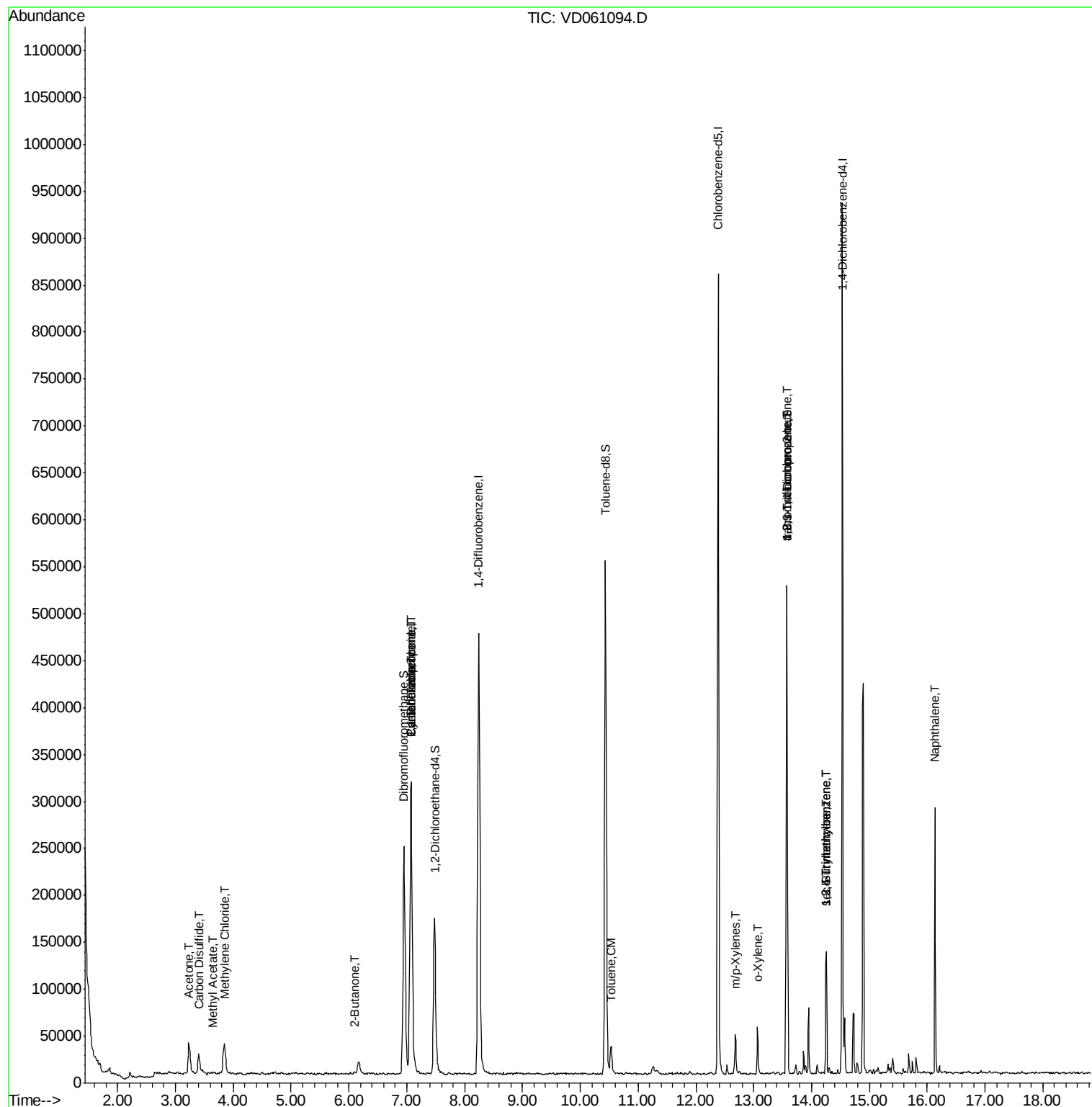
						Qvalue
16) Acetone	3.23	43	63436	79.433	ug/l	91
17) Carbon Disulfide	3.41	76	40707	3.583	ug/l	97
18) Methyl Acetate	3.66	43	1973	1.255	ug/l #	59
20) Methylene Chloride	3.84	84	26413	2.856	ug/l	96
25) 2-Butanone	6.09	43	4887	5.393	ug/l #	55
31) Cyclohexane	7.07	56	5118	1.036	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	25272	4.902	ug/l #	48
38) Carbon Tetrachloride	7.07	117	31601	5.565	ug/l #	14
52) Toluene	10.53	92	16973	2.119	ug/l	100
68) m/p-Xylenes	12.68	106	15813	2.699	ug/l	99
69) o-Xylene	13.06	106	13853	2.405	ug/l	96
76) 1,2,3-Trichloropropane	13.57	75	66576	22.652	ug/l #	44
80) 1,3,5-Trimethylbenzene	14.25	105	68139	6.096	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.57	75	67233	77.592	ug/l #	17
84) 1,2,4-Trimethylbenzene	14.25	105	68139	6.096	ug/l	100
85) sec-Butylbenzene	14.25	105	68139	4.563	ug/l #	58
95) Naphthalene	16.13	128	167716	42.525	ug/l	99

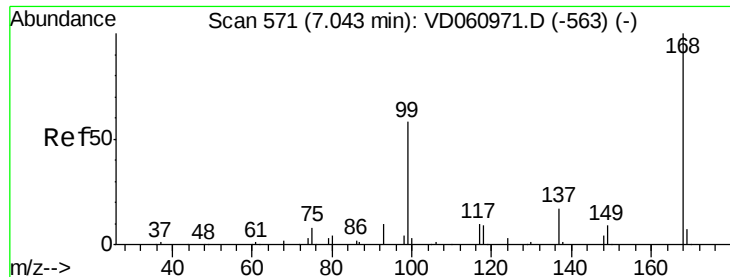
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031519\
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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: 7.08 min Scan# 574

Delta R.T. 0.04 min

Lab File: VD061094.D

Acq: 15 Mar 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

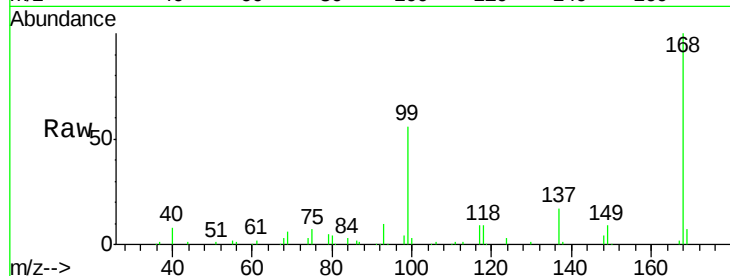
101-102RE

Tot Ion:168 Resp: 335512

Ion Ratio Lower Upper

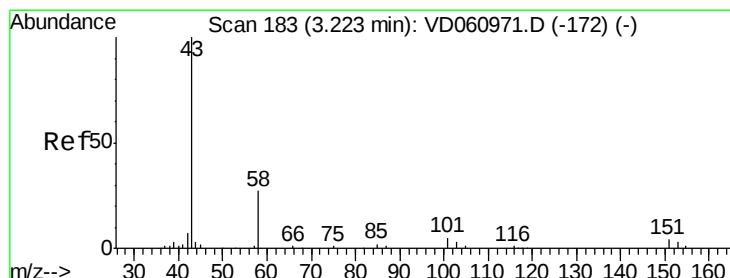
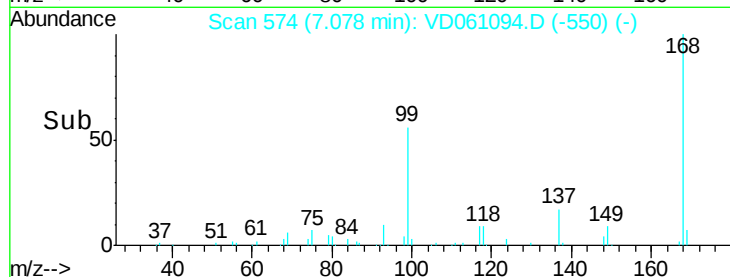
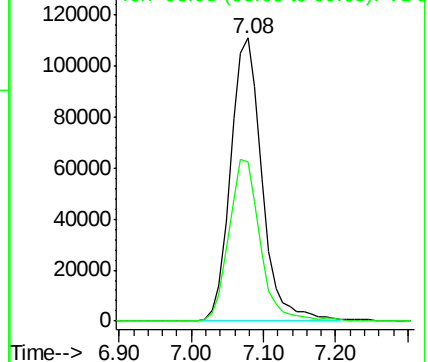
168 100

99 56.3 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: 79.433 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD061094.D

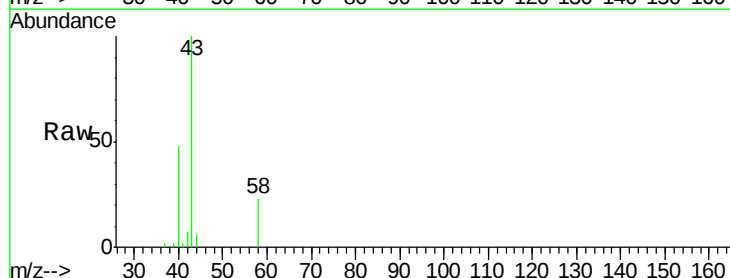
Acq: 15 Mar 2019 18:39

Tgt Ion: 43 Resp: 63436

Ion Ratio Lower Upper

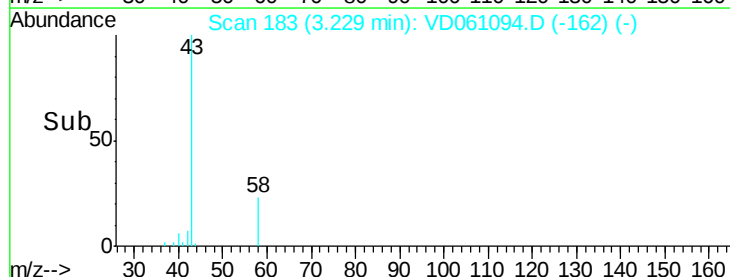
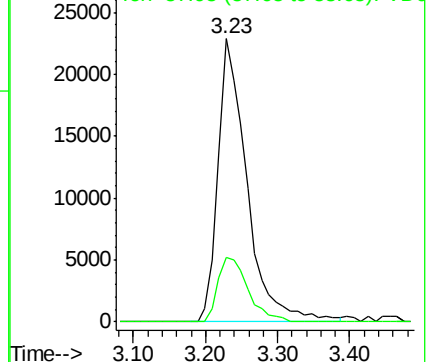
43 100

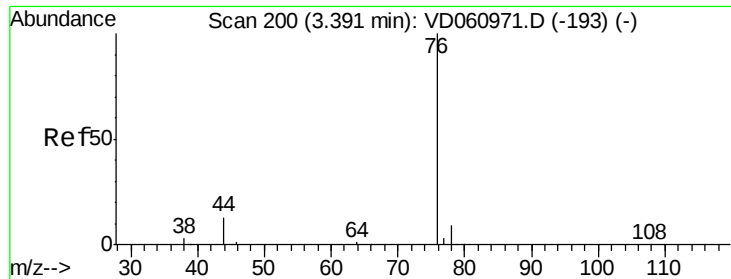
58 22.6 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

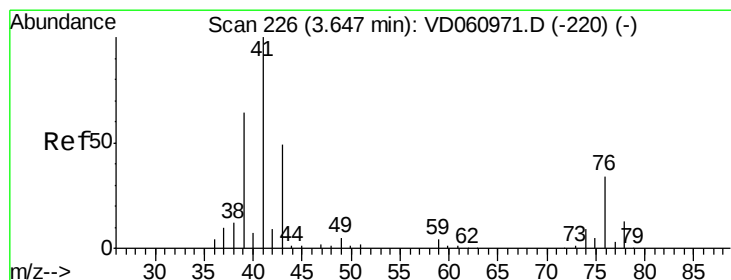
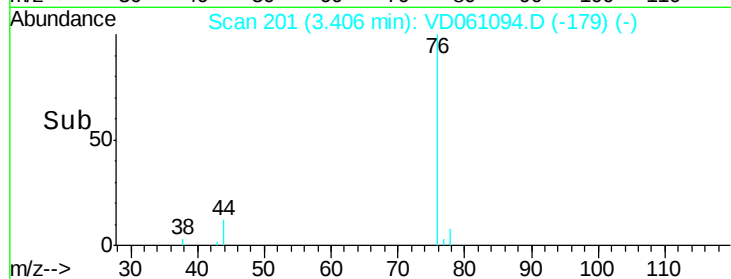
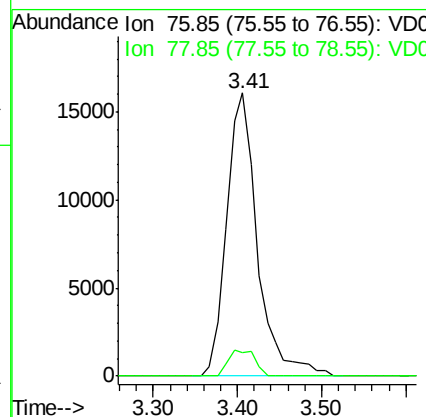
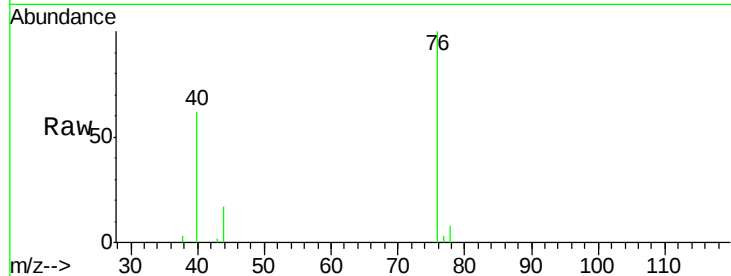




#17
Carbon Disulfide
Concen: 3.583 ug/l
RT: 3.41 min Scan# 201
Delta R.T. 0.02 min
Lab File: VD061094.D
Acq: 15 Mar 2019 18:39

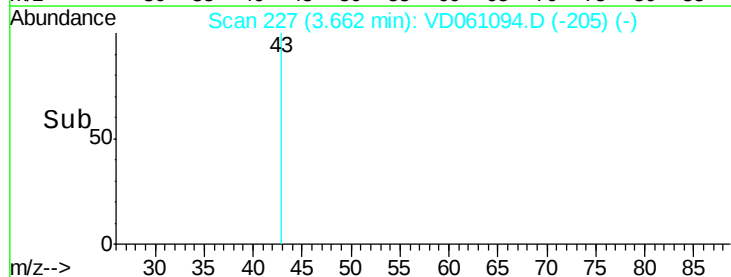
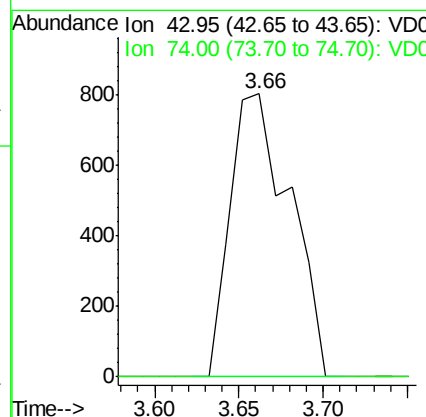
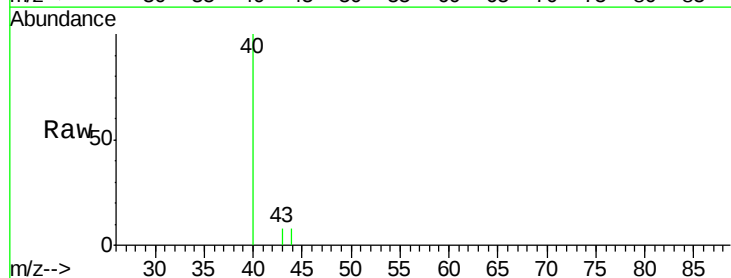
Instrument :
MSVOA_D
ClientSampleId :
101-102RE

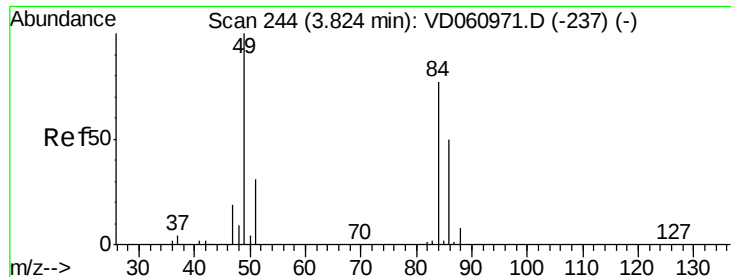
Tot Ion: 76 Resp: 40707
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.2



#18
Methyl Acetate
Concen: 1.255 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.02 min
Lab File: VD061094.D
Acq: 15 Mar 2019 18:39

Tgt Ion: 43 Resp: 1973
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#

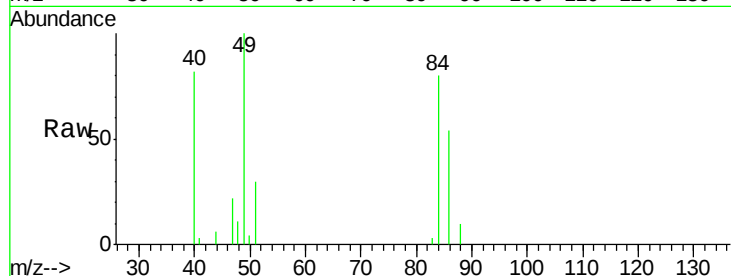




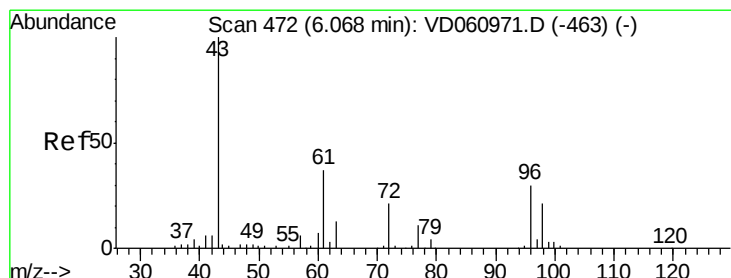
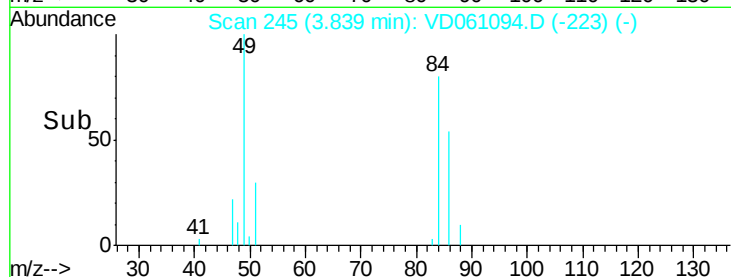
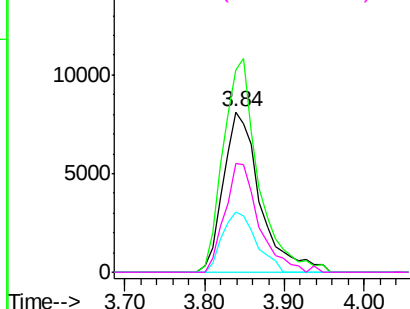
#20
Methylene Chloride
Concen: 2.856 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.02 min
Lab File: VD061094.D
Acq: 15 Mar 2019 18:39

Instrument :
MSVOA_D
ClientSampleId :
101-102RE

Tot Ion: 84 Resp: 26413
Ion Ratio Lower Upper
84 100
49 125.7 104.2 156.2
51 37.3 32.3 48.5
86 68.1 52.3 78.5

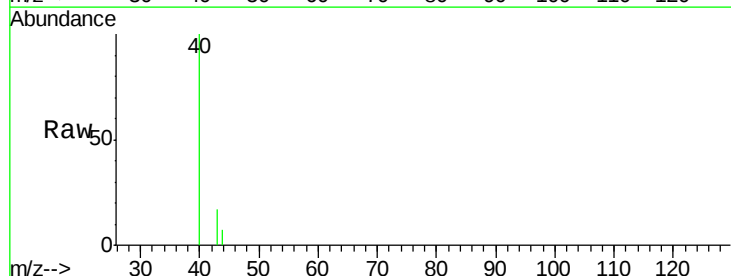


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

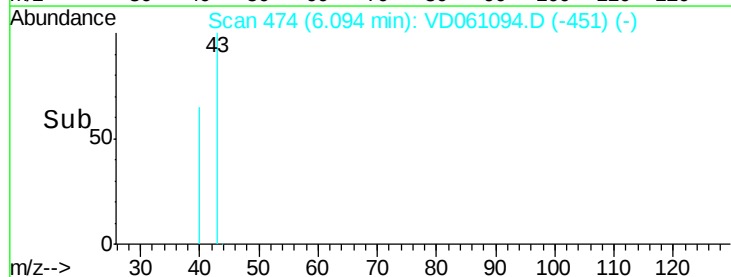
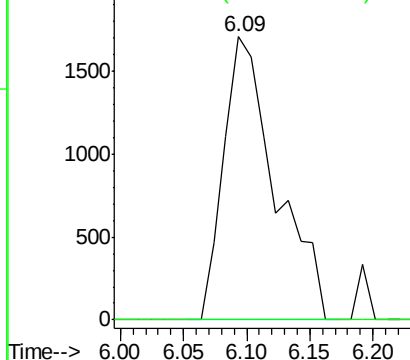


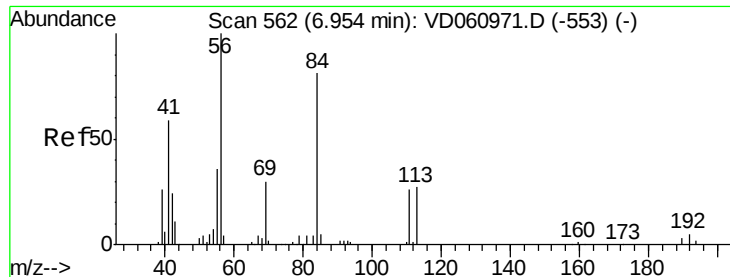
#25
2-Butanone
Concen: 5.393 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.03 min
Lab File: VD061094.D
Acq: 15 Mar 2019 18:39

Tgt Ion: 43 Resp: 4887
Ion Ratio Lower Upper
43 100
72 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

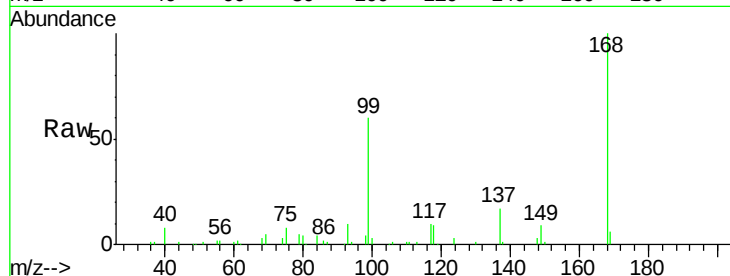




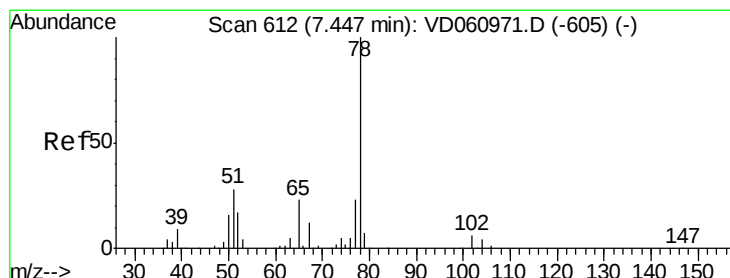
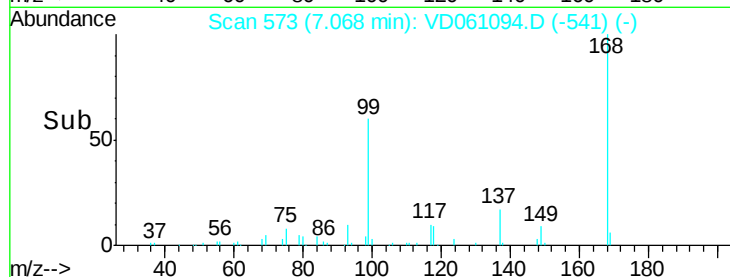
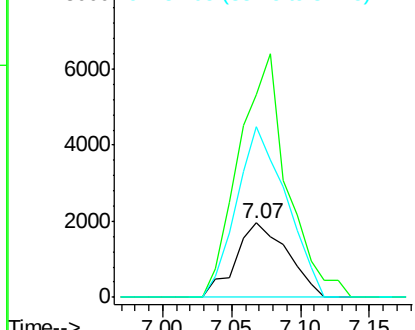
#31
Cvclohexane
Concen: 1.036 ug/l
RT: 7.07 min Scan# 573
Delta R.T. 0.11 min
Lab File: VD061094.D
Acq: 15 Mar 2019 18:39

Instrument :
MSVOA_D
ClientSampleId :
101-102RE

Tot Ion: 56 Resp: 5118
Ion Ratio Lower Upper
56 100
69 273.0 24.0 36.0#
84 230.0 65.8 98.6#

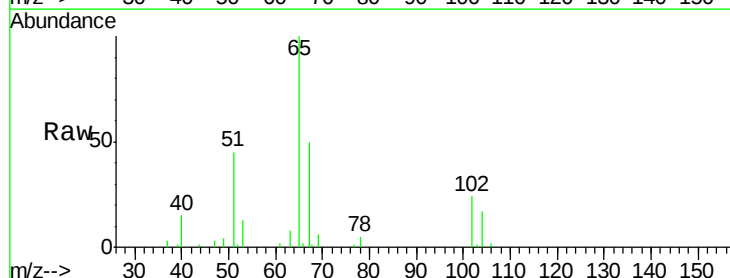


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

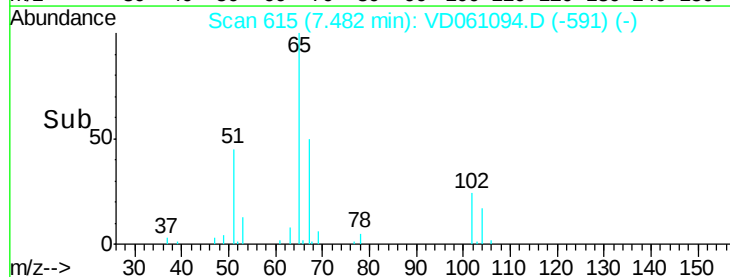
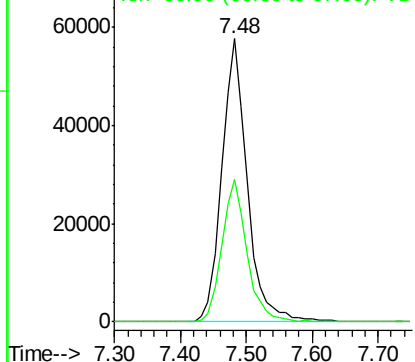


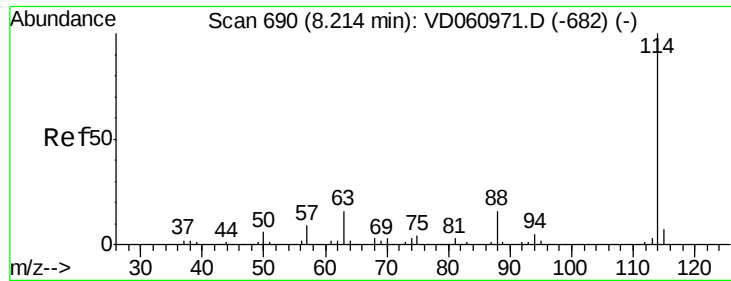
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.04 min
Lab File: VD061094.D
Acq: 15 Mar 2019 18:39

Tgt Ion: 65 Resp: 154799
Ion Ratio Lower Upper
65 100
67 50.5 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: 8.25 min Scan# 693

Delta R.T. 0.04 min

Lab File: VD061094.D

Acq: 15 Mar 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

101-102RE

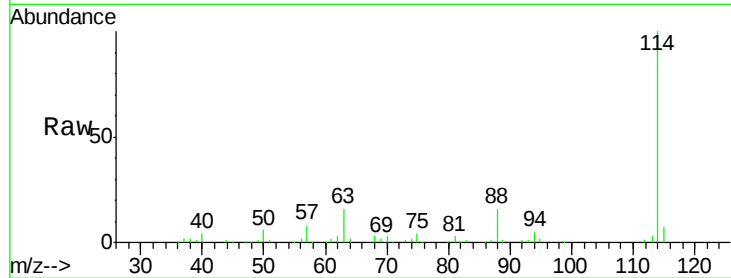
Tot Ion:114 Resp: 598044

Ion Ratio Lower Upper

114 100

63 16.0 0.0 31.4

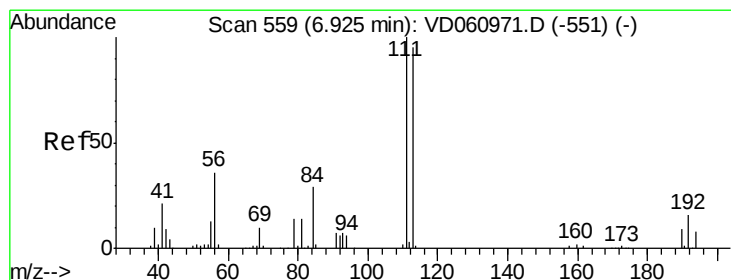
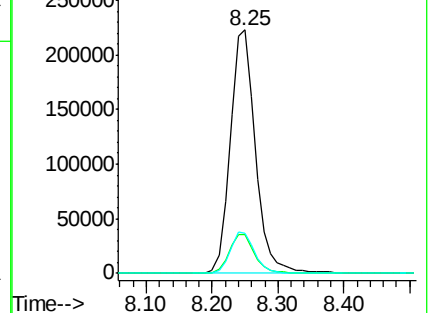
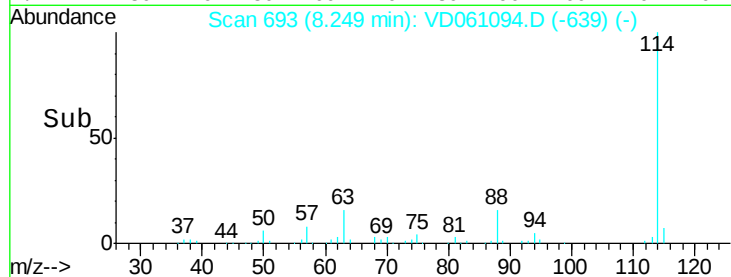
88 16.4 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD061094.D

Acq: 15 Mar 2019 18:39

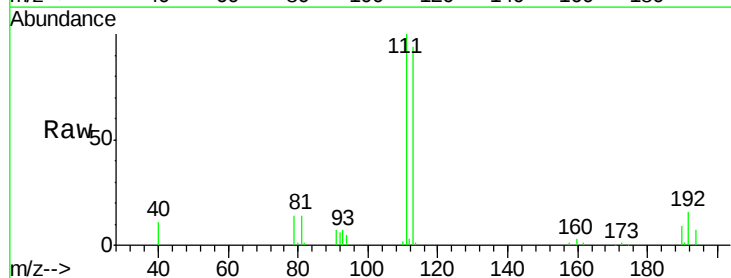
Tgt Ion:113 Resp: 227006

Ion Ratio Lower Upper

113 100

111 106.0 84.2 126.4

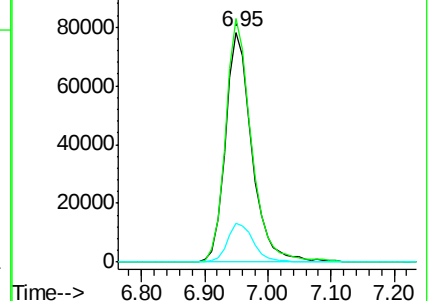
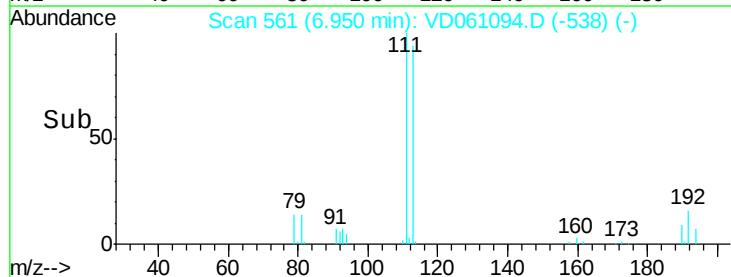
192 16.8 13.1 19.7

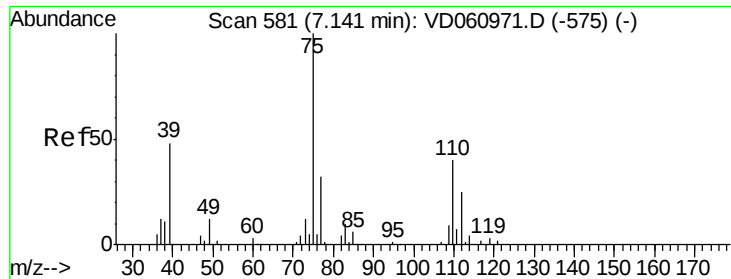


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 4.902 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.07 min

Lab File: VD061094.D

Acq: 15 Mar 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

101-102RE

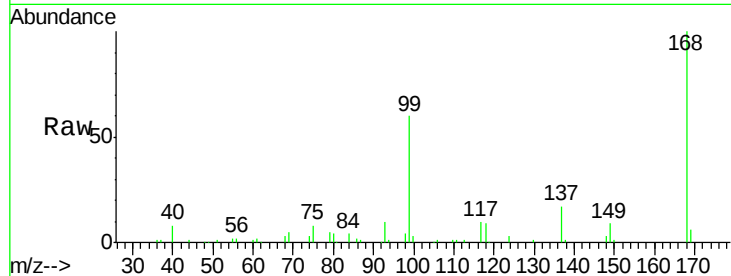
Tot Ion: 75 Resp: 25272

Ion Ratio Lower Upper

75 100

110 9.2 19.7 59.1#

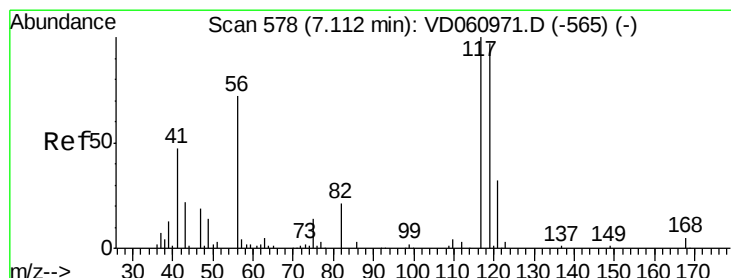
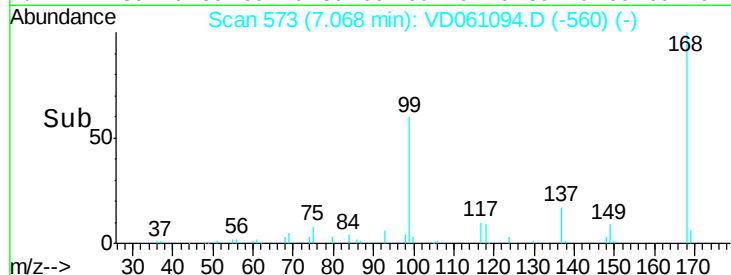
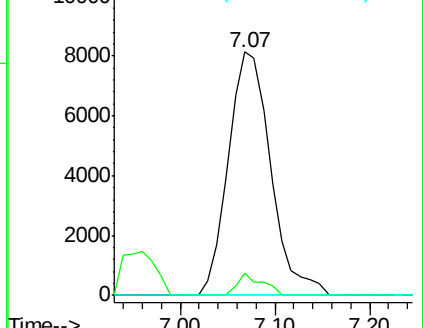
77 0.0 24.7 37.1#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 5.565 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.04 min

Lab File: VD061094.D

Acq: 15 Mar 2019 18:39

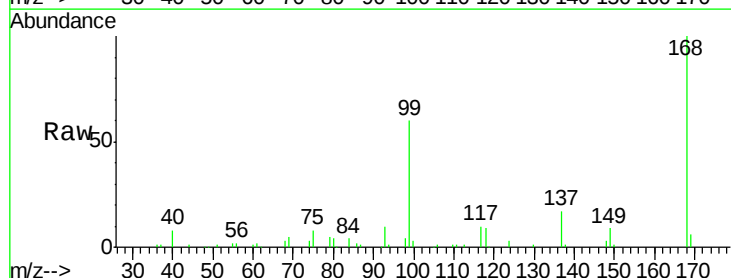
Tgt Ion: 117 Resp: 31601

Ion Ratio Lower Upper

117 100

119 3.7 77.8 116.8#

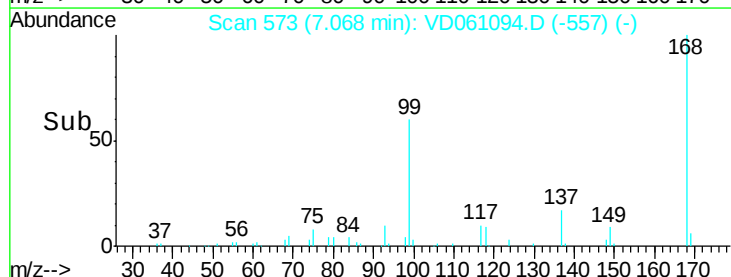
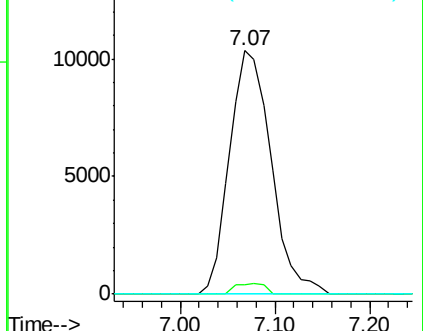
121 0.0 25.3 37.9#

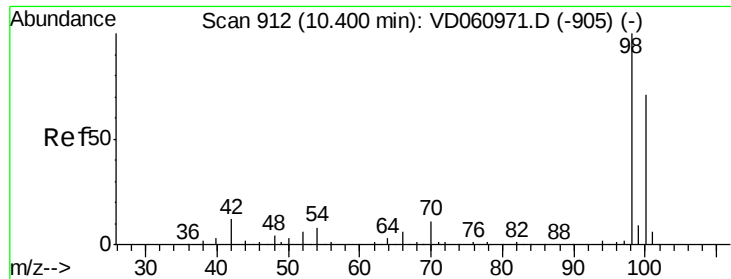


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

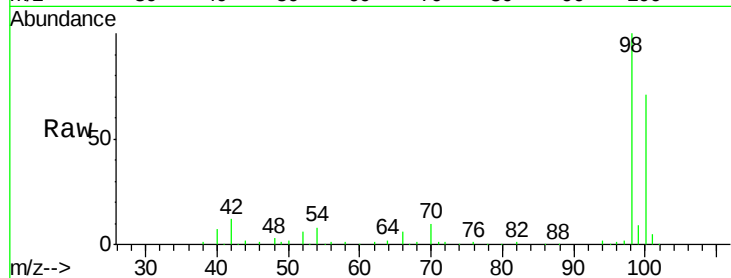




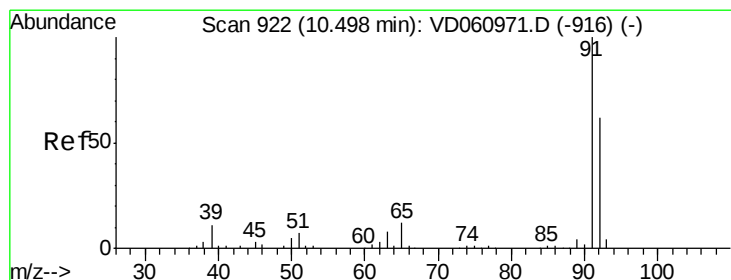
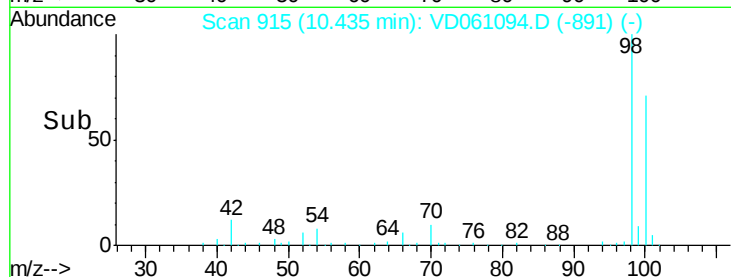
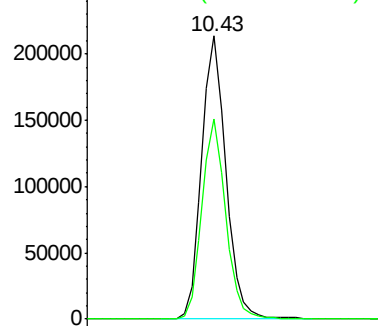
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.04 min
Lab File: VD061094.D
Acq: 15 Mar 2019 18:39

Instrument :
MSVOA_D
ClientSampleId :
101-102RE

Tot Ion: 98 Resp: 473896
Ion Ratio Lower Upper
98 100
100 70.7 57.4 86.2

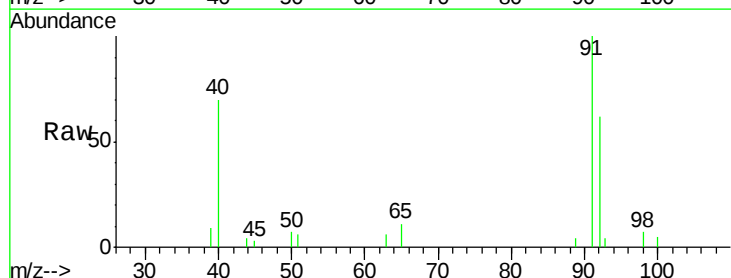


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

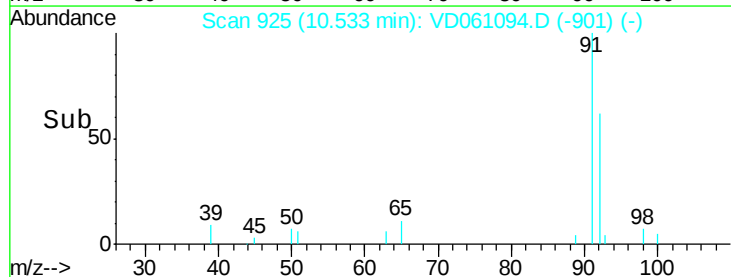
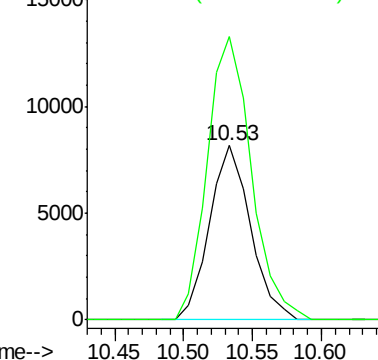


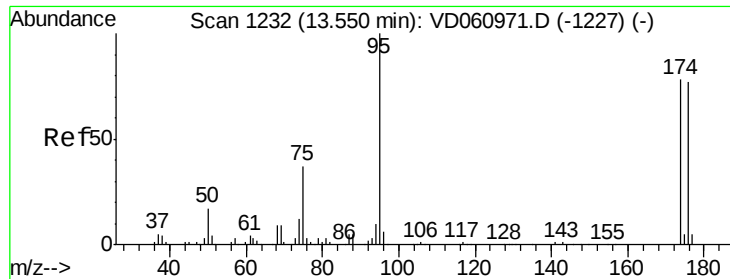
#52
Toluene
Concen: 2.119 ug/l
RT: 10.53 min Scan# 925
Delta R.T. 0.04 min
Lab File: VD061094.D
Acq: 15 Mar 2019 18:39

Tgt Ion: 92 Resp: 16973
Ion Ratio Lower Upper
92 100
91 162.2 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD061094.D

Acq: 15 Mar 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

101-102RE

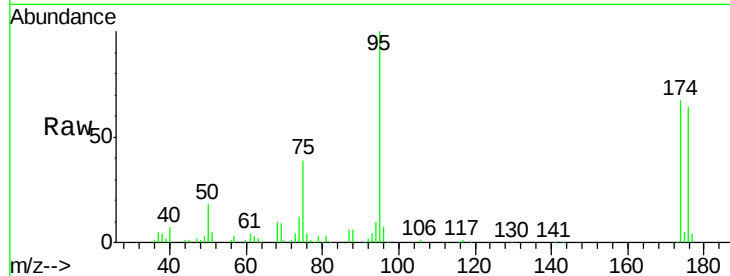
Tot Ion: 95 Resp: 186053

Ion Ratio Lower Upper

95 100

174 67.1 0.0 155.6

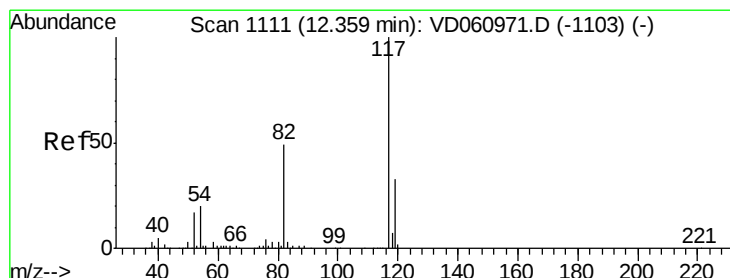
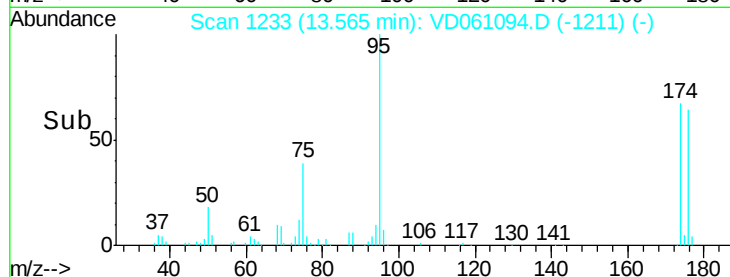
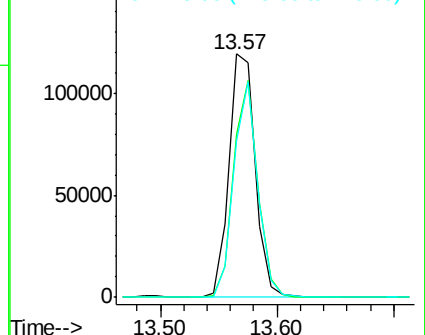
176 64.2 0.0 153.8



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: 12.38 min Scan# 1113

Delta R.T. 0.03 min

Lab File: VD061094.D

Acq: 15 Mar 2019 18:39

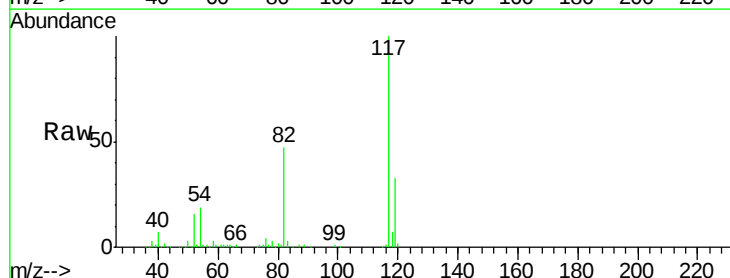
Tgt Ion: 117 Resp: 511524

Ion Ratio Lower Upper

117 100

82 46.5 38.9 58.3

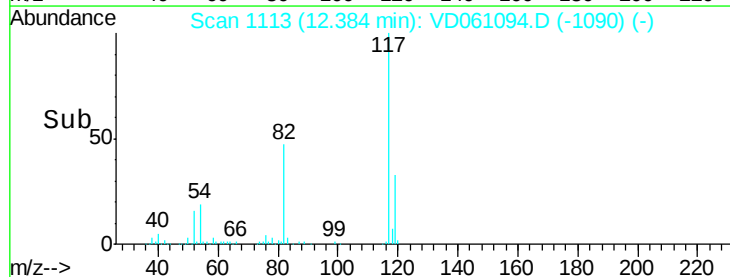
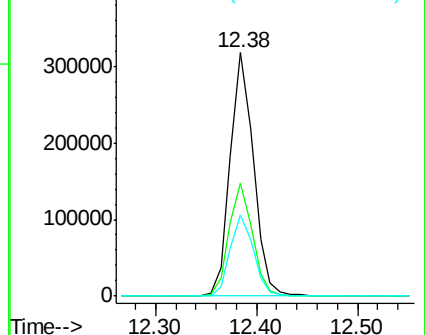
119 33.2 26.6 39.8

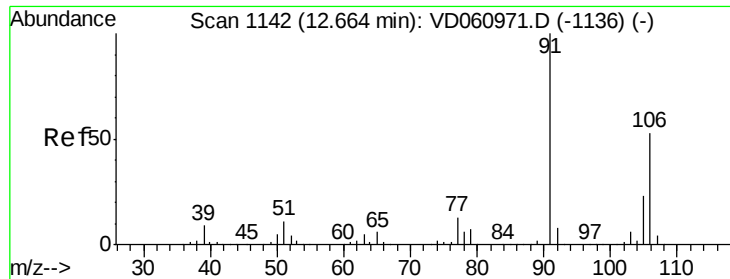


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

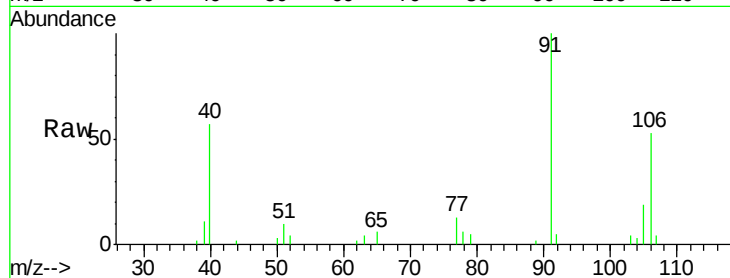




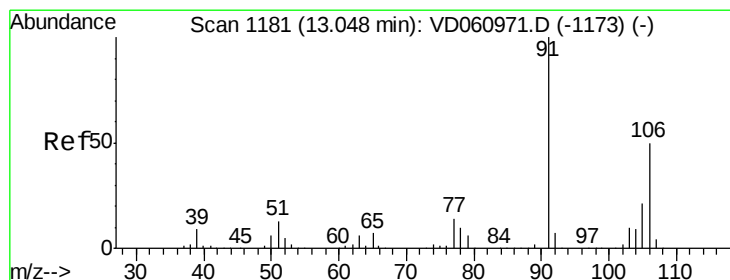
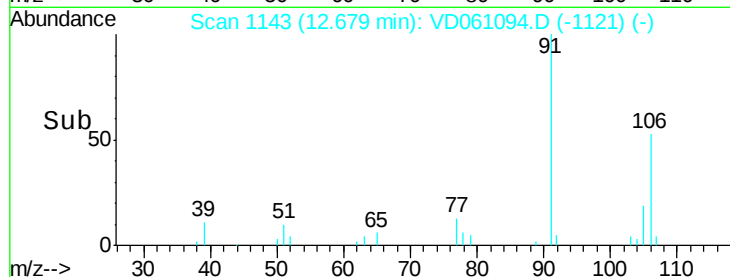
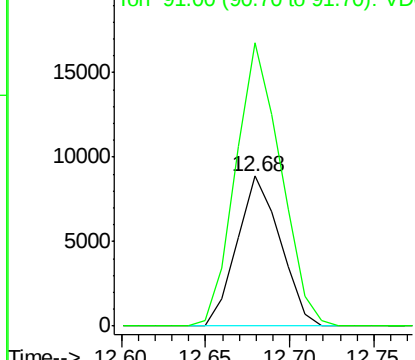
#68
m/p-Xylenes
Concen: 2.699 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD061094.D
Acq: 15 Mar 2019 18:39

Instrument :
MSVOA_D
ClientSampleId :
101-102RE

Tot Ion:106 Resp: 15813
Ion Ratio Lower Upper
106 100
91 188.9 152.0 228.0

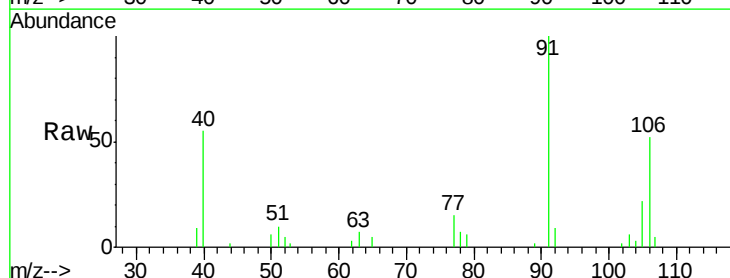


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

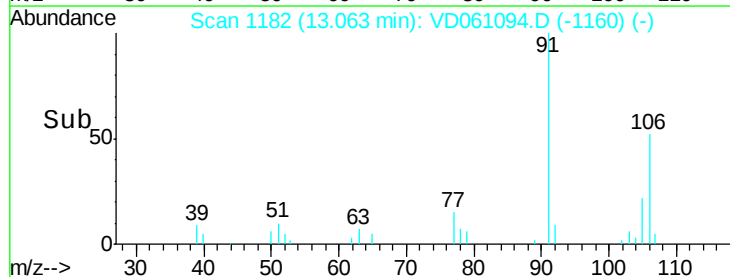
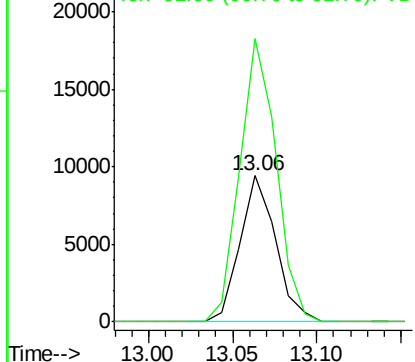


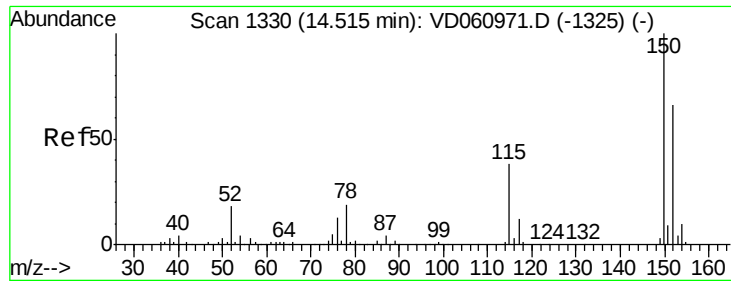
#69
o-Xylene
Concen: 2.405 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD061094.D
Acq: 15 Mar 2019 18:39

Tgt Ion:106 Resp: 13853
Ion Ratio Lower Upper
106 100
91 194.0 99.8 299.3



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD061094.D

Acq: 15 Mar 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

101-102RE

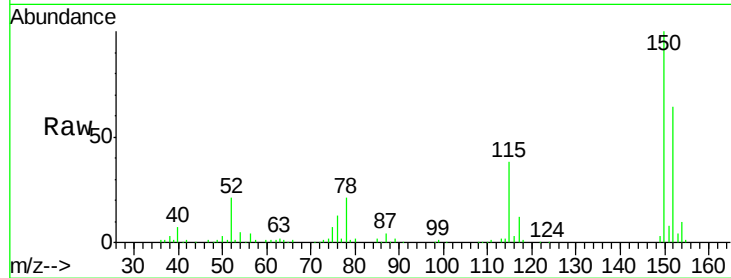
Tot Ion:152 Resp: 204289

Ion Ratio Lower Upper

152 100

115 58.8 28.6 85.9

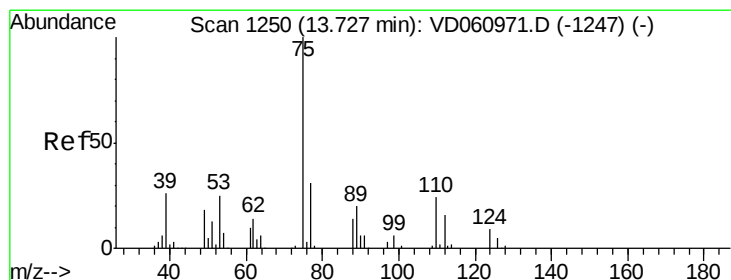
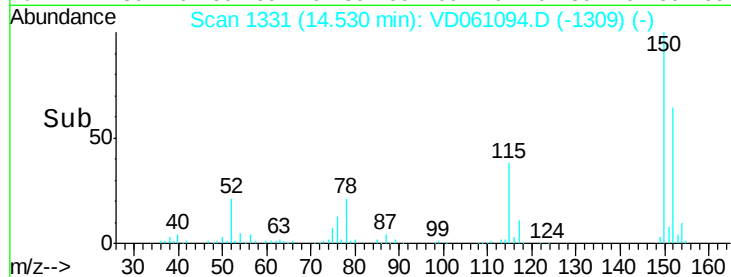
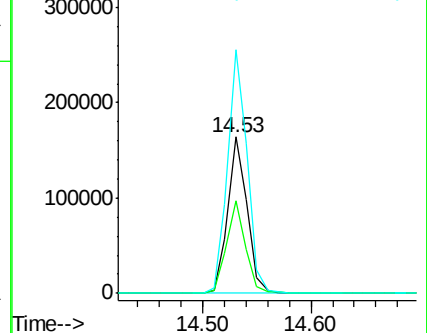
150 155.6 0.0 310.6



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



#76

1,2,3-Trichloropropane

Concen: 22.652 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061094.D

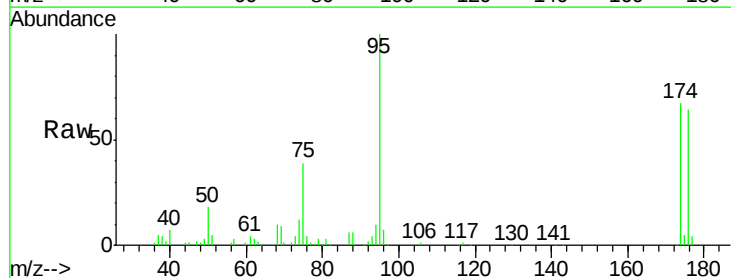
Acq: 15 Mar 2019 18:39

Tgt Ion: 75 Resp: 66576

Ion Ratio Lower Upper

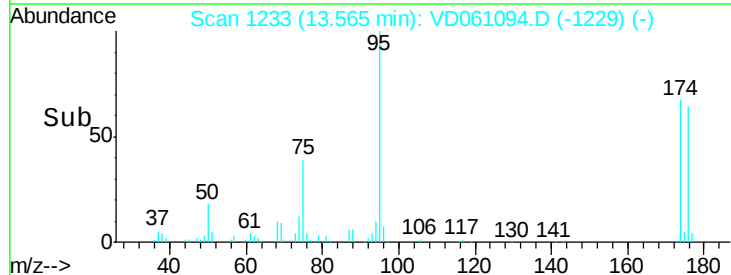
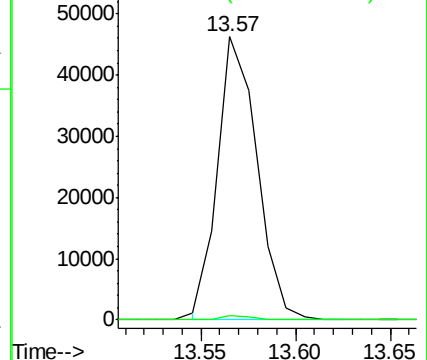
75 100

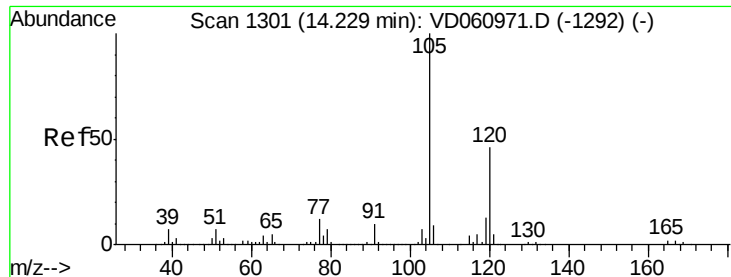
77 1.3 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

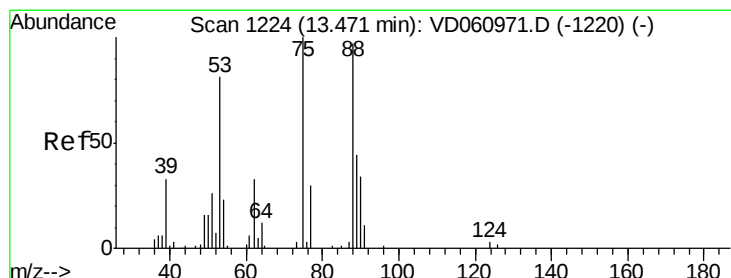
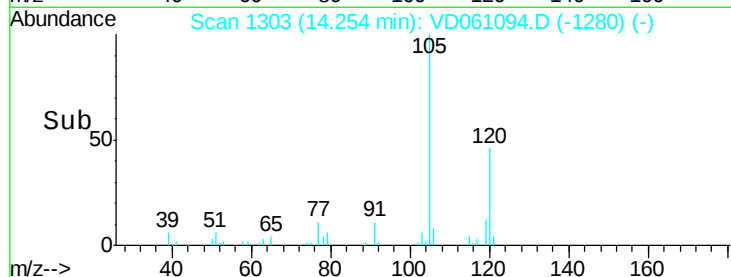
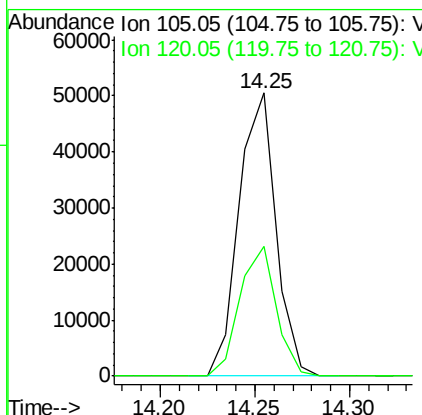
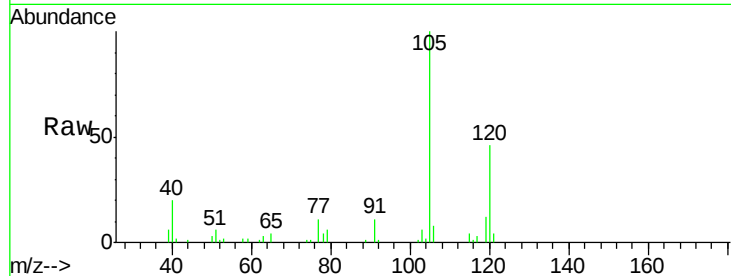




#80
 1,3,5-Trimethylbenzene
 Concen: 6.096 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.03 min
 Lab File: VD061094.D
 Acq: 15 Mar 2019 18:39

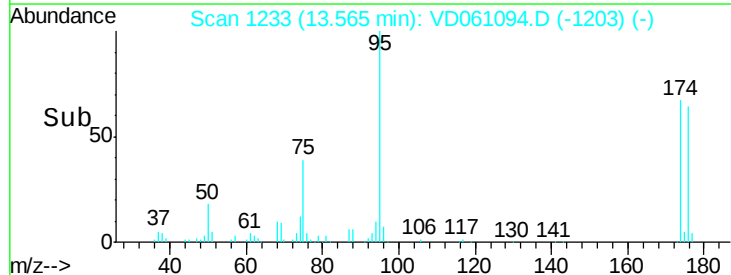
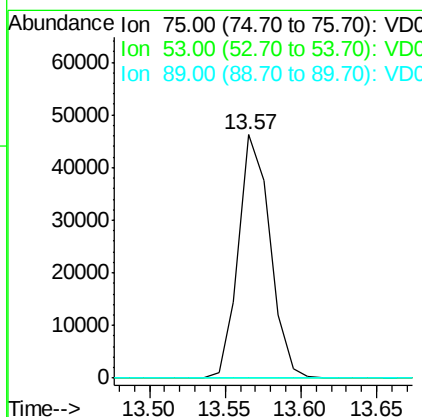
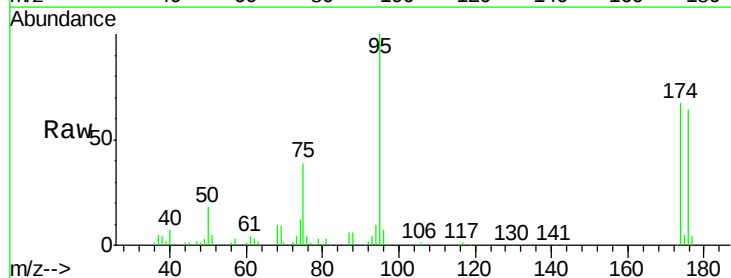
Instrument :
 MSVOA_D
 ClientSampleId :
 101-102RE

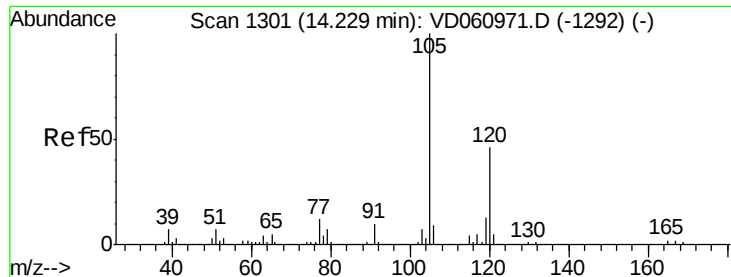
Tot Ion: 105 Resp: 68139
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.592 ug/l
 RT: 13.57 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD061094.D
 Acq: 15 Mar 2019 18:39

Tgt Ion: 75 Resp: 67233
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.4 96.6#
 89 0.0 34.8 52.2#

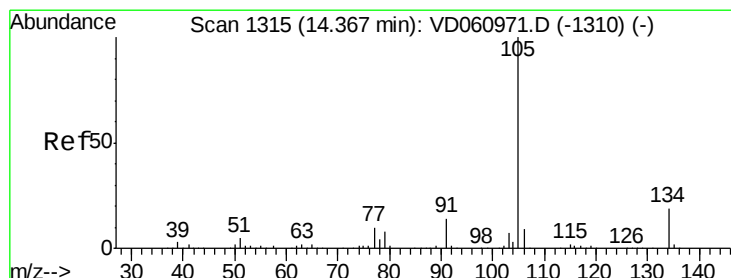
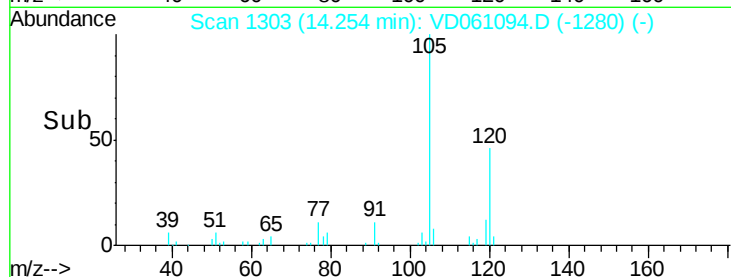
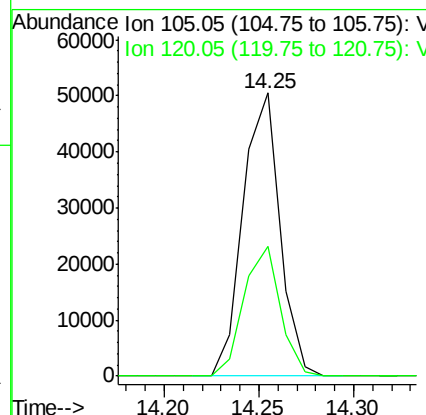
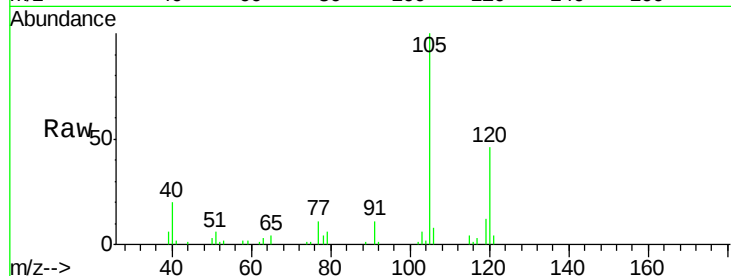




#84
 1,2,4-Trimethylbenzene
 Concen: 6.096 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.03 min
 Lab File: VD061094.D
 Acq: 15 Mar 2019 18:39

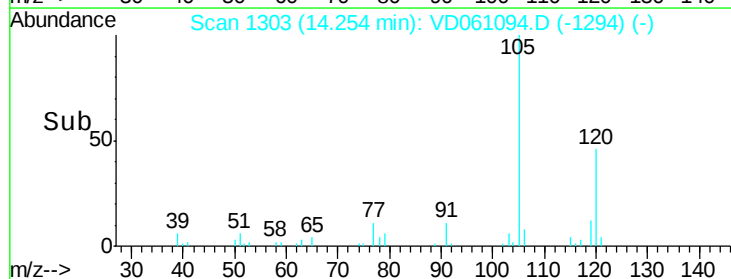
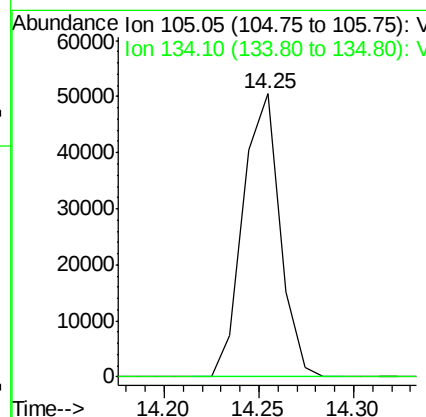
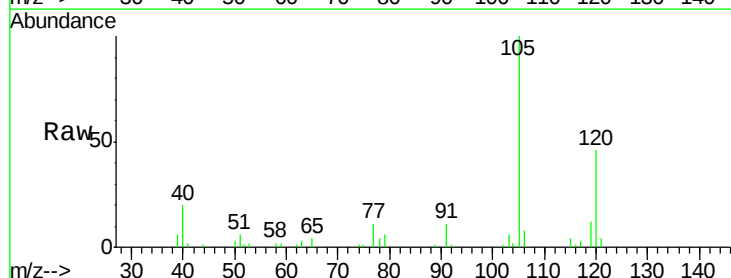
Instrument :
 MSVOA_D
 ClientSampleID :
 101-102RE

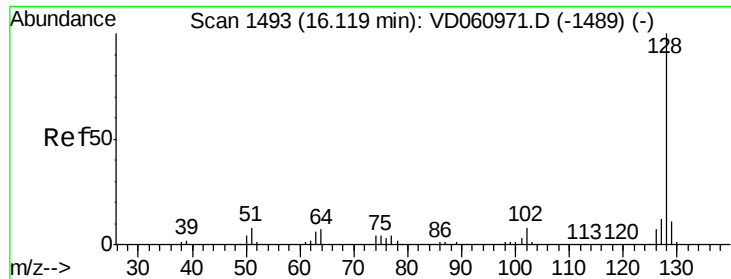
Tot Ion:105 Resp: 68139
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.5



#85
 sec-Butylbenzene
 Concen: 4.563 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. -0.11 min
 Lab File: VD061094.D
 Acq: 15 Mar 2019 18:39

Tgt Ion:105 Resp: 68139
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.2#





#95

Naphthalene

Concen: 42.525 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.02 min

Lab File: VD061094.D

Acq: 15 Mar 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

101-102RE

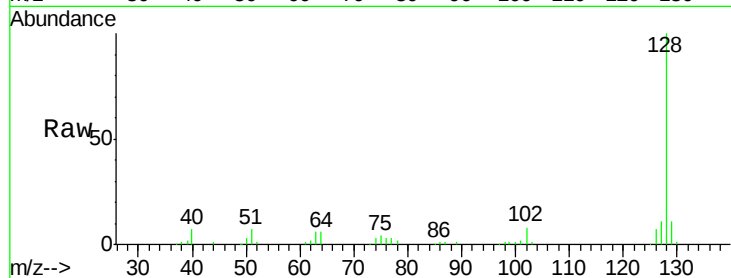
Tot Ion:128 Resp: 167716

Ion Ratio Lower Upper

128 100

127 11.3 9.8 14.8

129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

200000 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

