

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061220.D
 Acq On : 20 Mar 2019 20:48
 Operator : VA/AP
 Sample : K2004-07
 Misc : 4.39g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 02:03:34 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	7.04	168	460637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	869036	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	373564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	52130	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	213892	55.78	ug/l	0.00
Spiked Amount			Recovery	=	111.56%	
35) Dibromofluoromethane	6.92	113	335982	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
50) Toluene-d8	10.41	98	577266	35.64	ug/l	0.00
Spiked Amount			Recovery	=	71.28%	
62) 4-Bromofluorobenzene	13.54	95	455268	72.45	ug/l	0.00
Spiked Amount			Recovery	=	144.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	223	Below Cal	#	8
16) Acetone	3.21	43	73217	66.777	ug/l	98
17) Carbon Disulfide	3.39	76	22266	1.428	ug/l #	94
20) Methylene Chloride	3.82	84	34764	2.526	ug/l	87
25) 2-Butanone	6.05	43	33928	27.270	ug/l #	85
29) Tetrahydrofuran	6.67	42	7178	10.625	ug/l #	1
31) Cyclohexane	6.96	56	8023	1.182	ug/l #	65
36) 1,1-Dichloropropene	7.04	75	32826	4.382	ug/l #	45
37) Ethyl Acetate	6.05	43	33928	9.652	ug/l #	66
38) Carbon Tetrachloride	7.04	117	44114	5.346	ug/l #	15
39) Methylcyclohexane	8.84	83	514506	66.238	ug/l #	39
43) Isopropyl Acetate	9.28	43	661826	135.934	ug/l #	43
48) Methyl methacrylate	9.09	41	94916	34.625	ug/l #	38
51) 4-Methyl-2-Pentanone	10.24	43	65103	21.827	ug/l #	40
55) 1,1,2-Trichloroethane	11.10	97	1479132	381.591	ug/l #	19
56) Ethyl methacrylate	11.10	69	341122	84.076	ug/l #	1
59) 2-Hexanone	11.49	43	448037	205.348	ug/l #	36
60) Dibromochloromethane	11.65	129	9599	1.683	ug/l	99
67) Ethyl Benzene	12.56	91	14547	1.334	ug/l #	43
73) Isopropylbenzene	13.40	105	4511	1.201	ug/l	86
74) N-amyl acetate	13.28	43	1342382	1268.965	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	13.72	83	453349	618.490	ug/l #	69
76) 1,2,3-Trichloropropane	13.72	75	1422	1.896	ug/l #	1
77) Bromobenzene	13.74	156	2845	2.967	ug/l #	1
78) n-propylbenzene	13.72	91	25146	5.717	ug/l #	54
79) 2-Chlorotoluene	13.89	91	21710	8.966	ug/l	86
80) 1,3,5-Trimethylbenzene	14.24	105	11689	4.098	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.47	75	1858	8.403	ug/l #	1
82) 4-Chlorotoluene	13.98	91	21026	7.345	ug/l	80
83) tert-Butylbenzene	14.19	119	47998	15.378	ug/l	74
84) 1,2,4-Trimethylbenzene	14.24	105	11689	4.098	ug/l	89
85) sec-Butylbenzene	14.37	105	5658	1.485	ug/l #	1
89) n-Butylbenzene	14.81	91	47439	15.860	ug/l #	41
90) Hexachloroethane	15.06	117	14844	16.878	ug/l #	13

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Response via : Initial Calibration

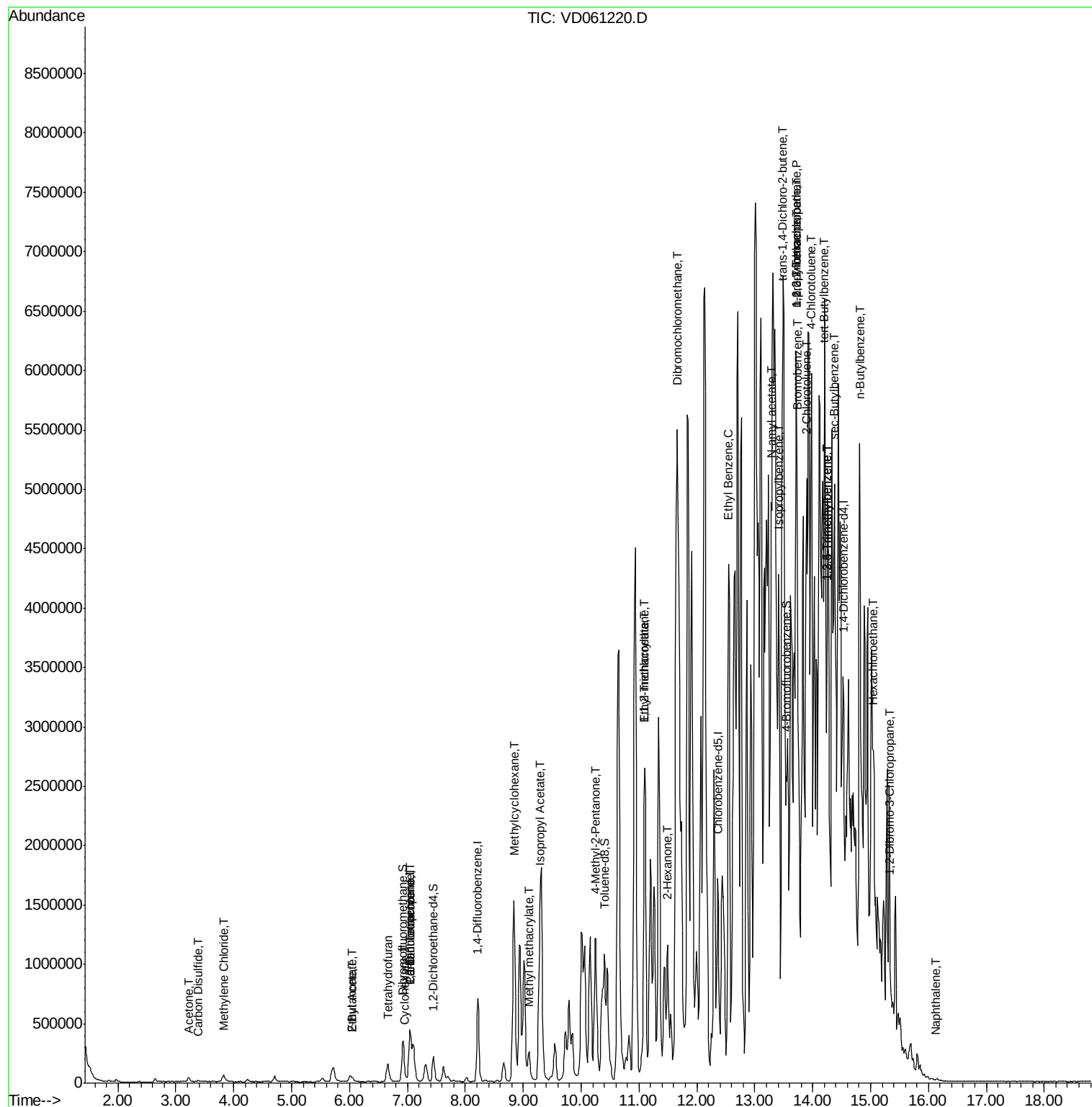
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	15.34	75	1272	14.401	ug/l #	27
95) Naphthalene	16.12	128	3780	3.756	ug/l #	78

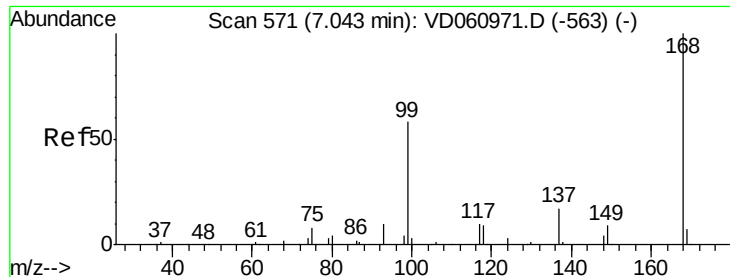
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

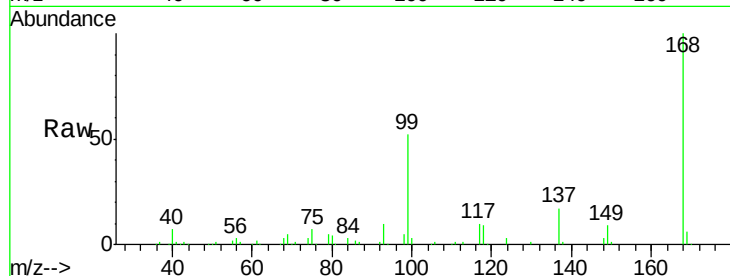
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 460637

Ion Ratio Lower Upper

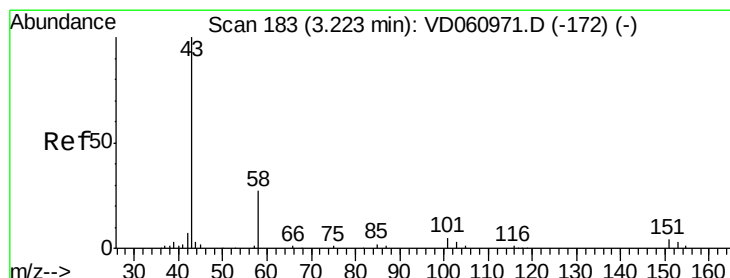
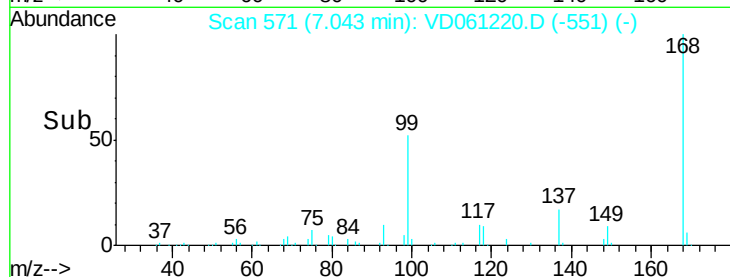
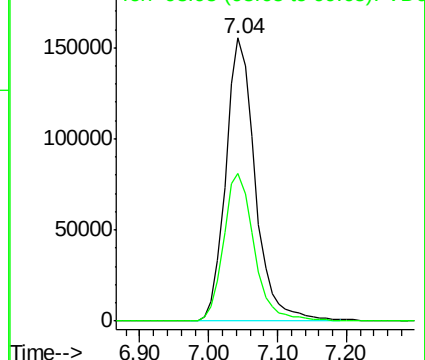
168 100

99 52.2 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: 66.777 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061220.D

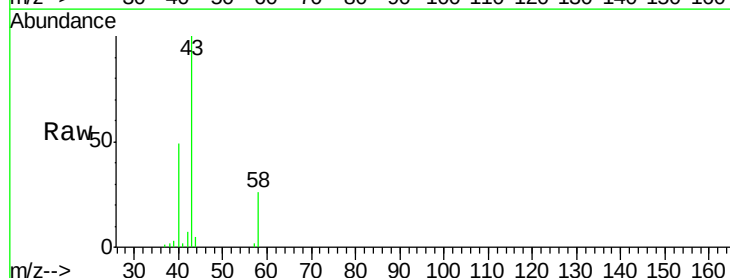
Acq: 20 Mar 2019 20:48

Tgt Ion: 43 Resp: 73217

Ion Ratio Lower Upper

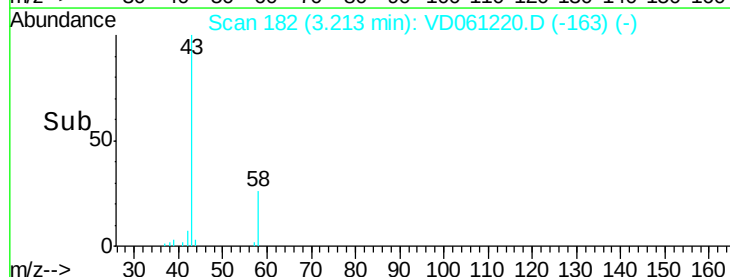
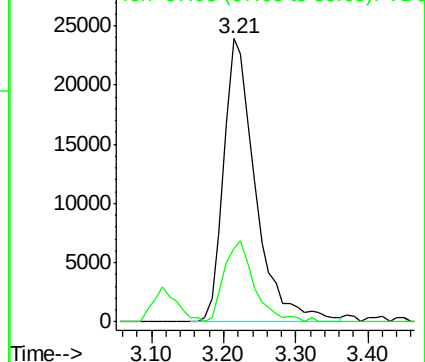
43 100

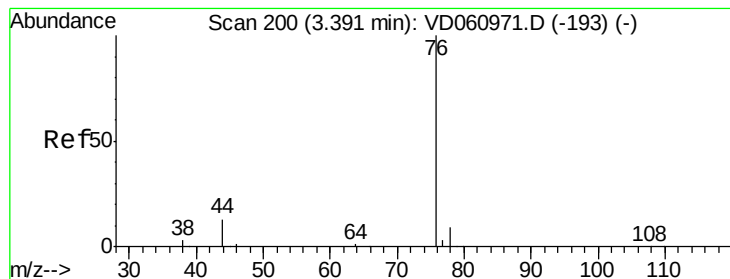
58 25.8 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 1.428 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.00 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

Instrument :

MSVOA_D

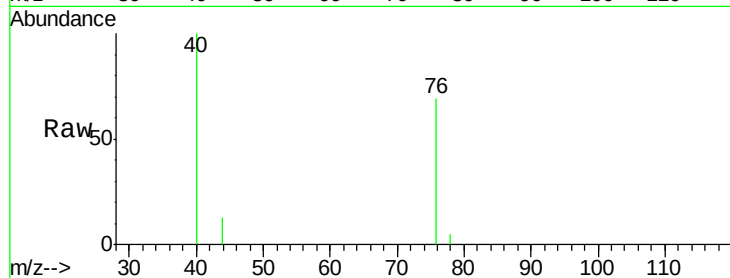
ClientSampleId :

Tot Ion: 76 Resp: 22266

Ion Ratio Lower Upper

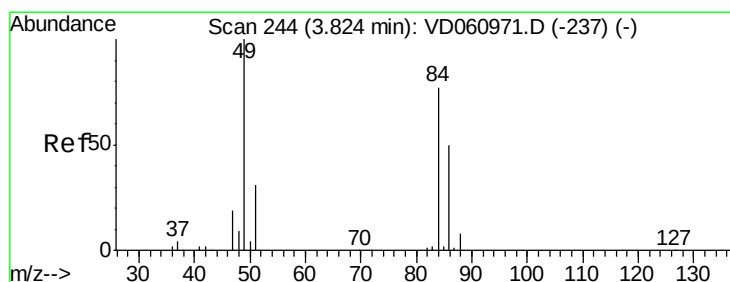
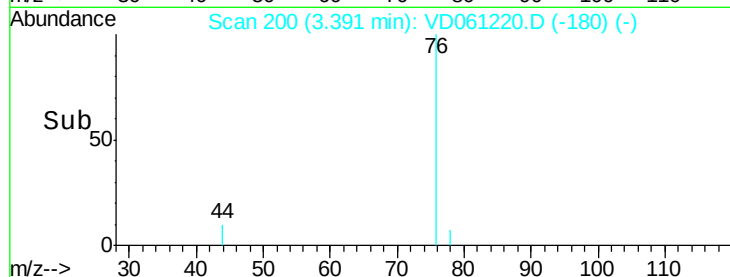
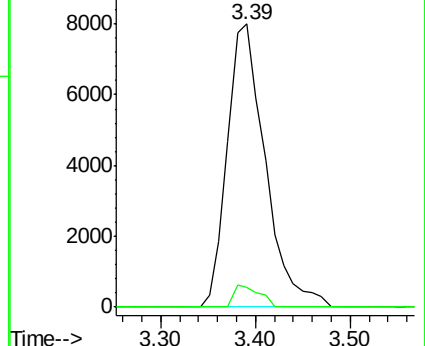
76 100

78 7.1 7.4 11.2#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: 2.526 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.00 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

Tgt Ion: 84 Resp: 34764

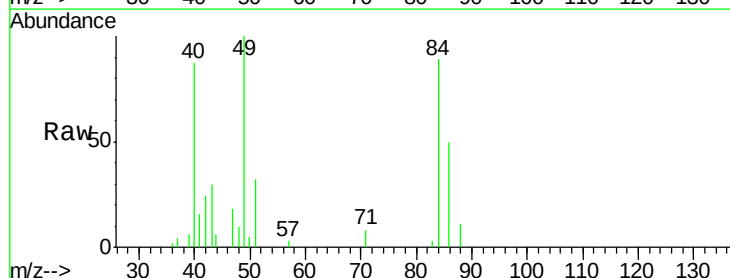
Ion Ratio Lower Upper

84 100

49 112.1 104.2 156.2

51 36.3 32.3 48.5

86 56.5 52.3 78.5

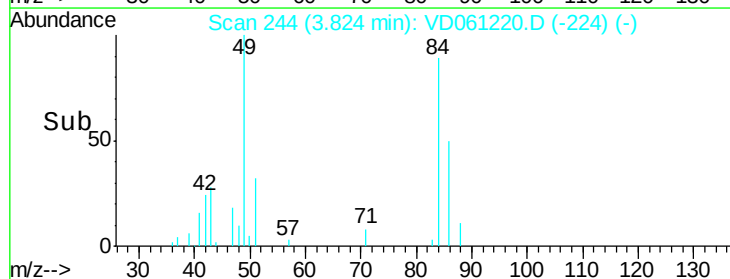
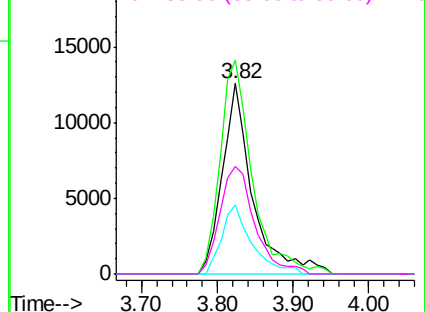


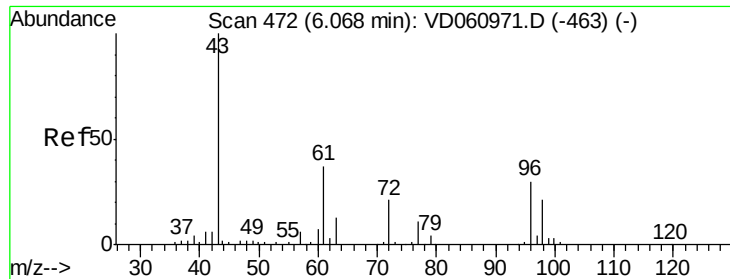
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 27.270 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.02 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

Instrument :

MSVOA_D

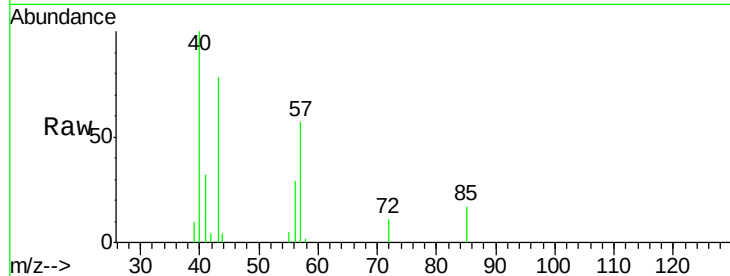
ClientSampled :

Tot Ion: 43 Resp: 33928

Ion Ratio Lower Upper

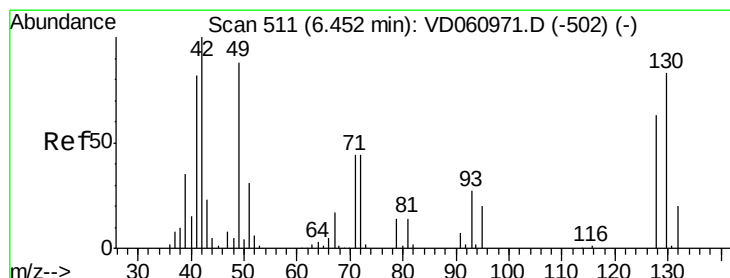
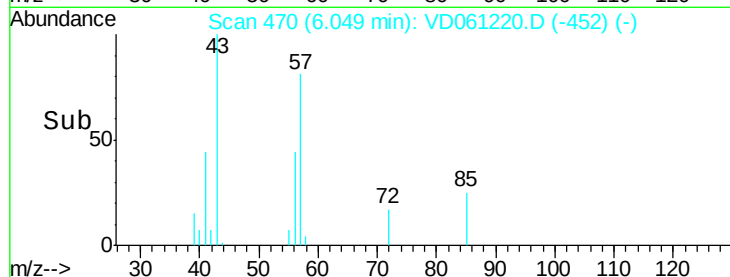
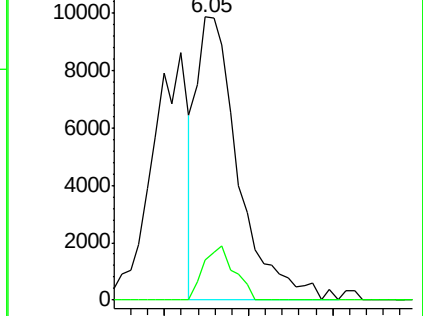
43 100

72 14.1 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 10.625 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.22 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

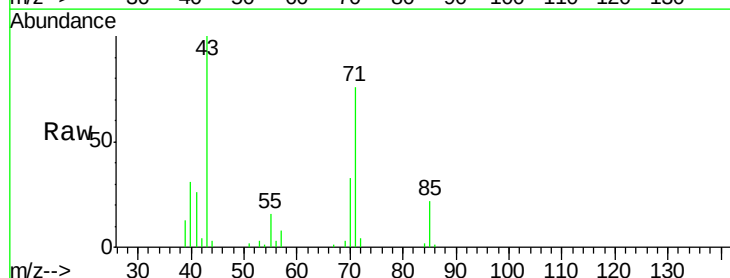
Tgt Ion: 42 Resp: 7178

Ion Ratio Lower Upper

42 100

72 87.1 34.5 51.7#

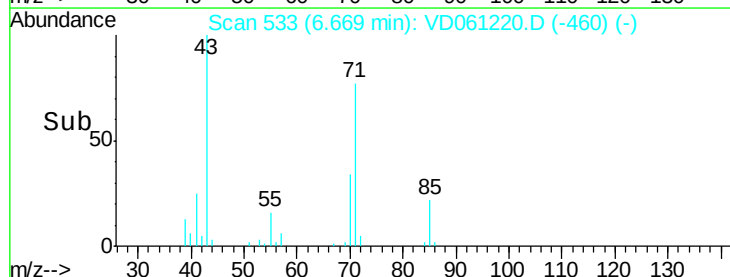
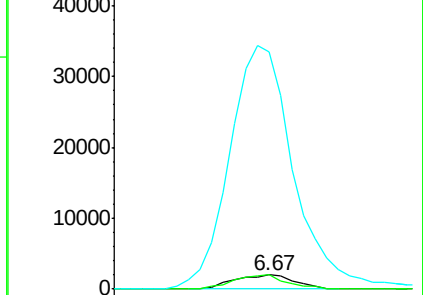
71 1845.7 33.8 50.6#

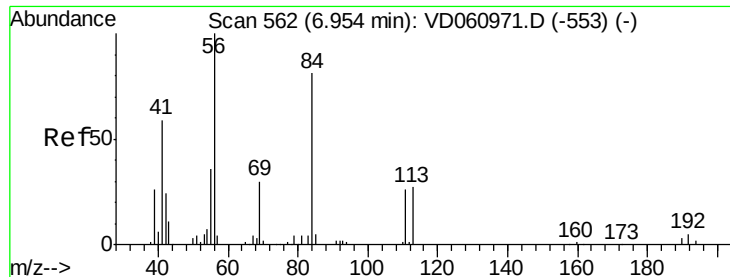


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

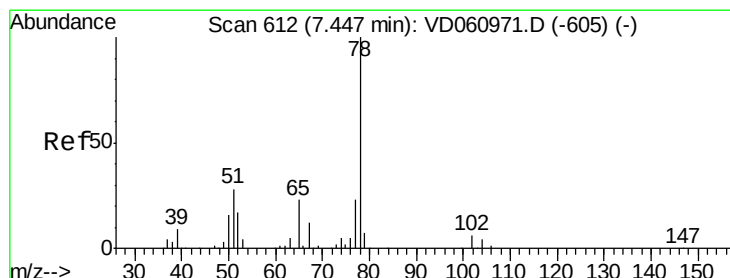
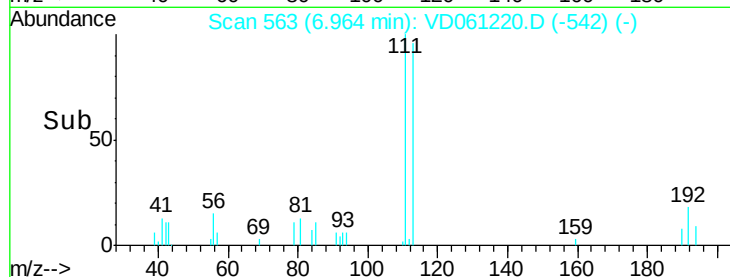
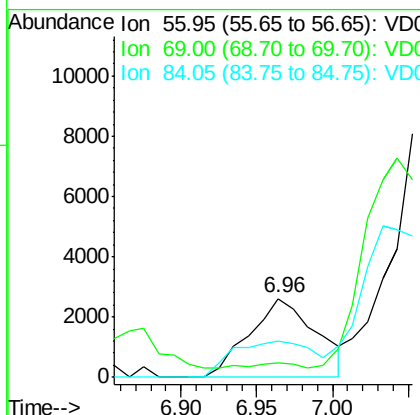
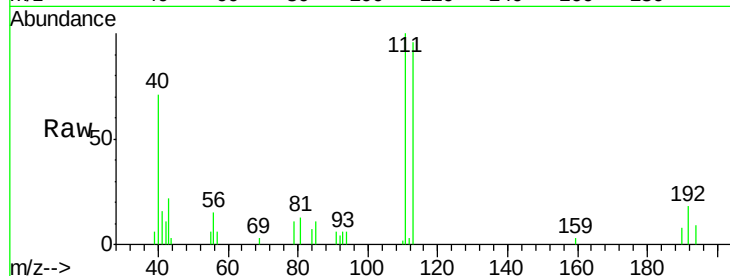




#31
Cyclohexane
Concen: 1.182 ug/l
RT: 6.96 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD061220.D
Acq: 20 Mar 2019 20:48

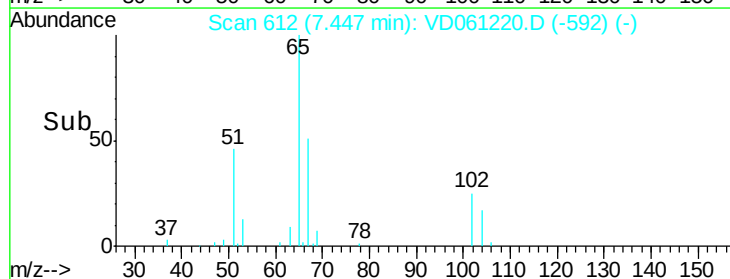
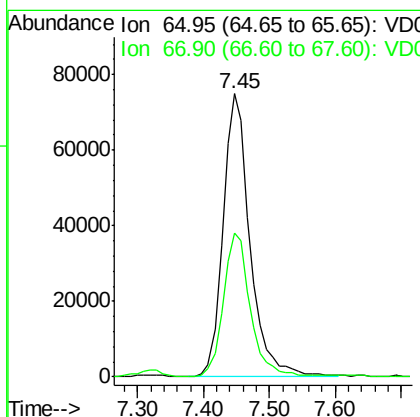
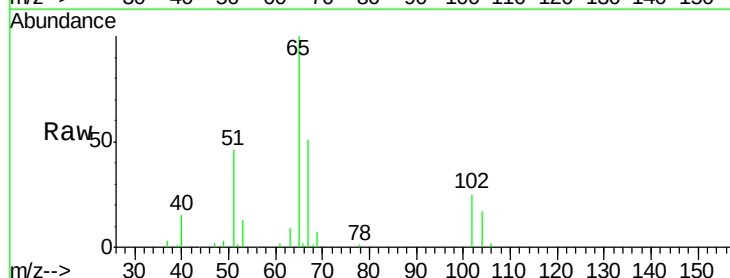
Instrument :
MSVOA_D
ClientSampleId :

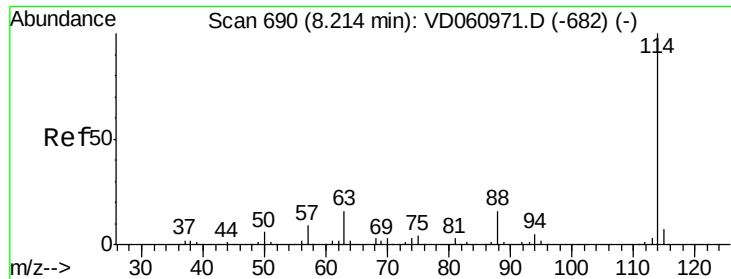
Tot Ion: 56 Resp: 8023
Ion Ratio Lower Upper
56 100
69 19.1 24.0 36.0#
84 45.7 65.8 98.6#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD061220.D
Acq: 20 Mar 2019 20:48

Tgt Ion: 65 Resp: 213892
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

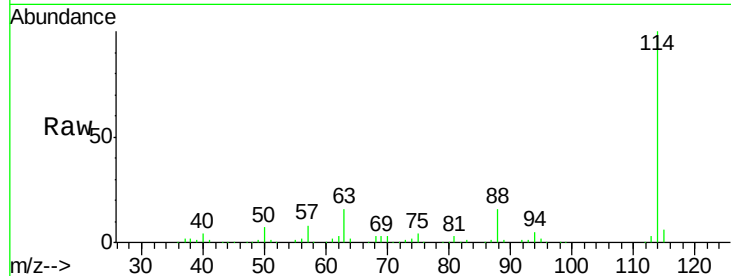
Tot Ion:114 Resp: 869036

Ion Ratio Lower Upper

114 100

63 16.1 0.0 31.4

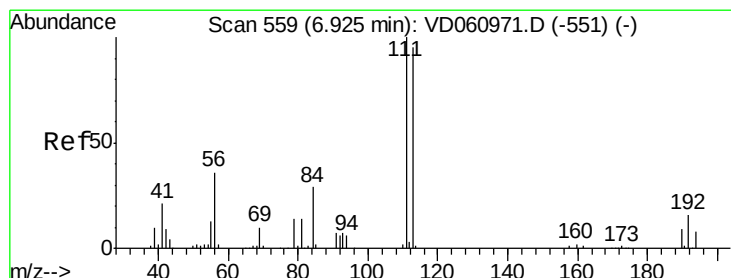
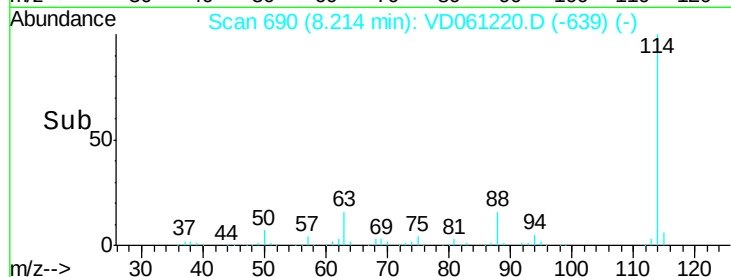
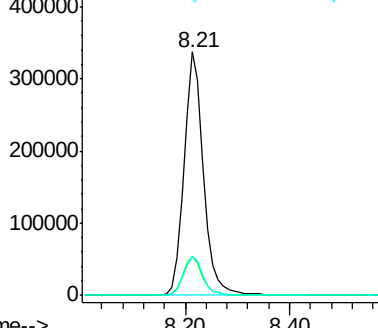
88 16.1 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

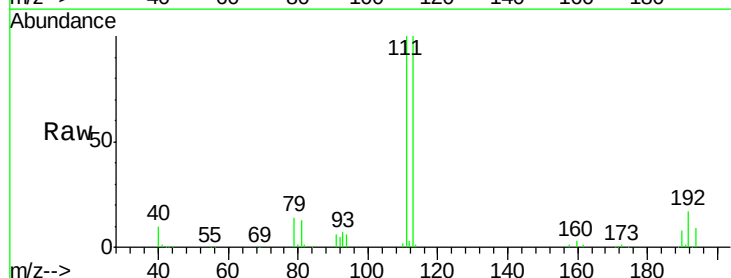
Tgt Ion:113 Resp: 335982

Ion Ratio Lower Upper

113 100

111 100.1 84.2 126.4

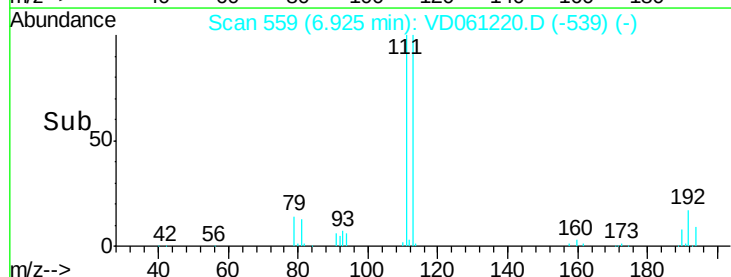
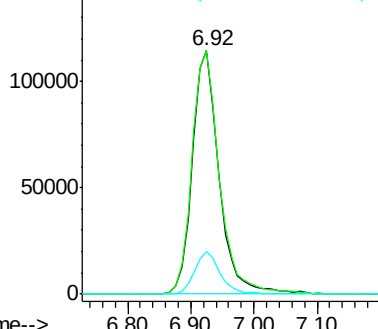
192 17.3 13.1 19.7

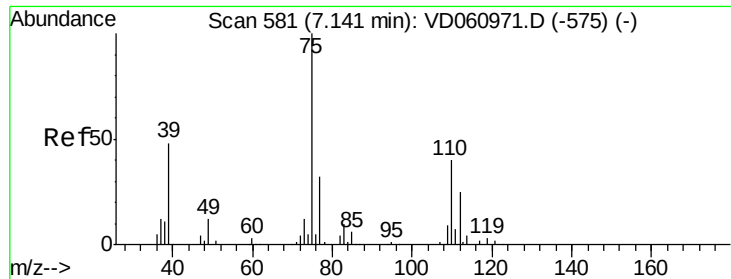


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

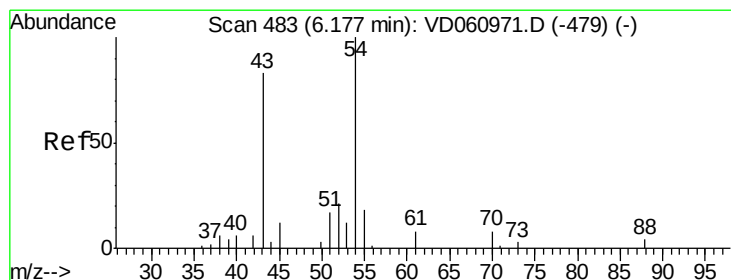
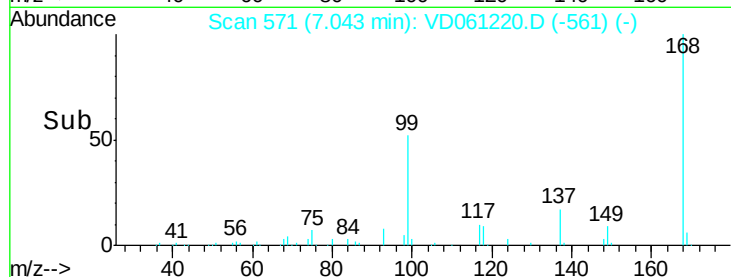
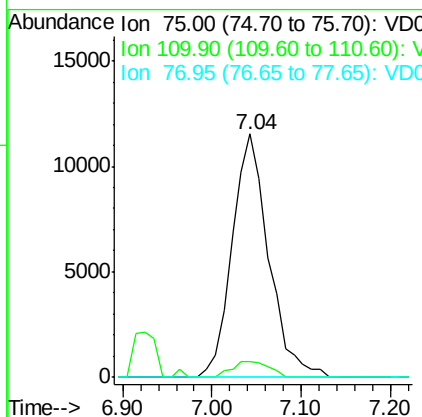
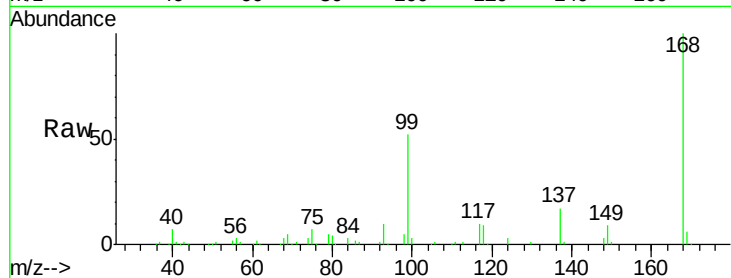




#36
 1,1-Dichloropropene
 Concen: 4.382 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD061220.D
 Acq: 20 Mar 2019 20:48

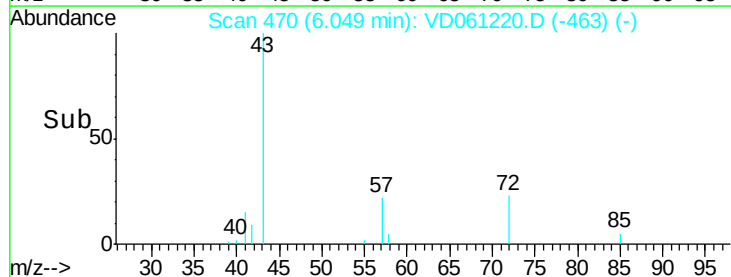
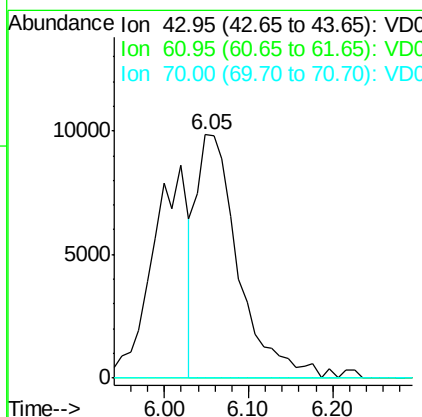
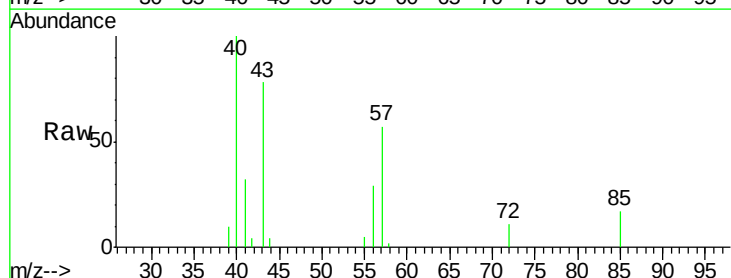
Instrument :
 MSVOA_D
 ClientSampleId :

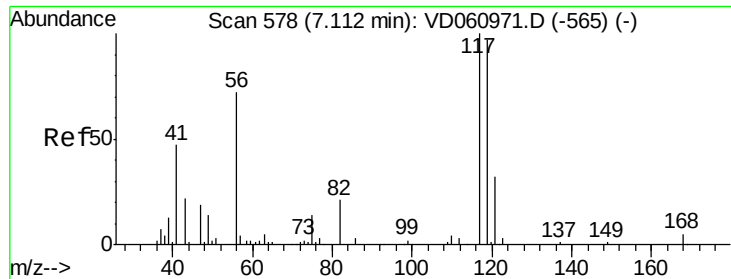
Tot Ion: 75 Resp: 32826
 Ion Ratio Lower Upper
 75 100
 110 6.2 19.7 59.1#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 9.652 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. -0.13 min
 Lab File: VD061220.D
 Acq: 20 Mar 2019 20:48

Tgt Ion: 43 Resp: 33928
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.7 20.5#
 70 0.0 7.1 10.7#

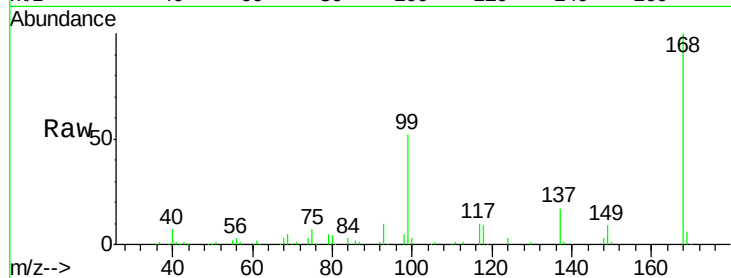




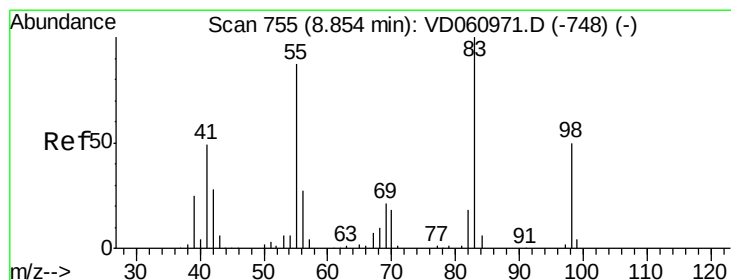
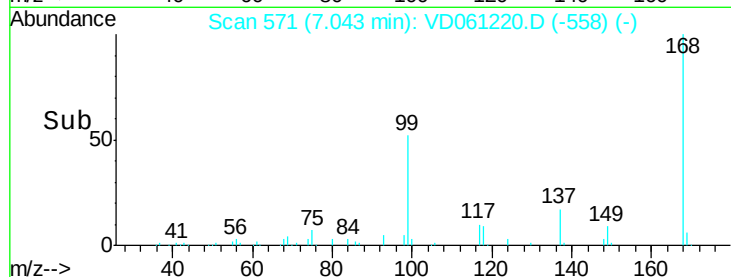
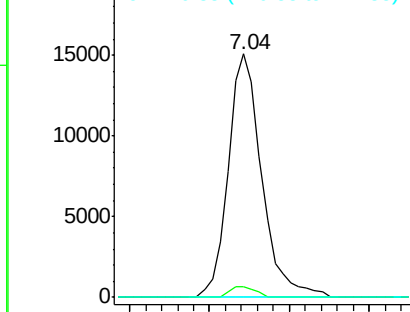
#38
Carbon Tetrachloride
Concen: 5.346 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD061220.D
Acq: 20 Mar 2019 20:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 44114
Ion Ratio Lower Upper
117 100
119 4.6 77.8 116.8#
121 0.0 25.3 37.9#

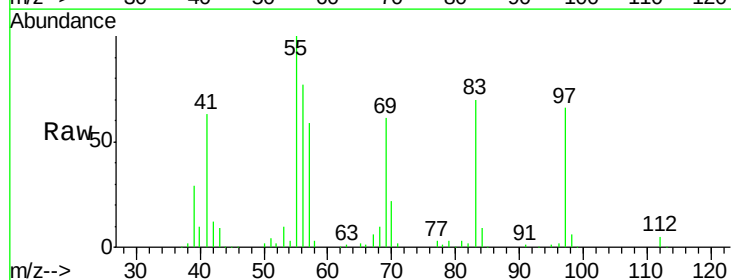


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

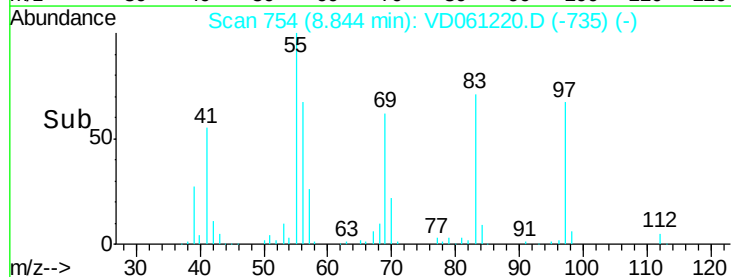
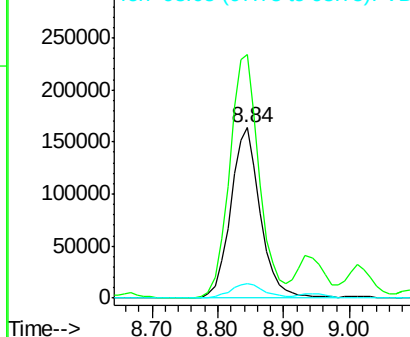


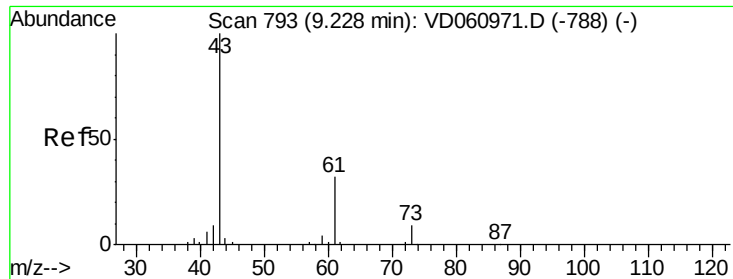
#39
Methylcyclohexane
Concen: 66.238 ug/l
RT: 8.84 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD061220.D
Acq: 20 Mar 2019 20:48

Tgt Ion: 83 Resp: 514506
Ion Ratio Lower Upper
83 100
55 143.2 69.6 104.4#
98 8.2 40.0 60.0#



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC





#43

Isopropyl Acetate

Concen: 135.934 ug/l

RT: 9.28 min Scan# 798

Delta R.T. 0.05 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

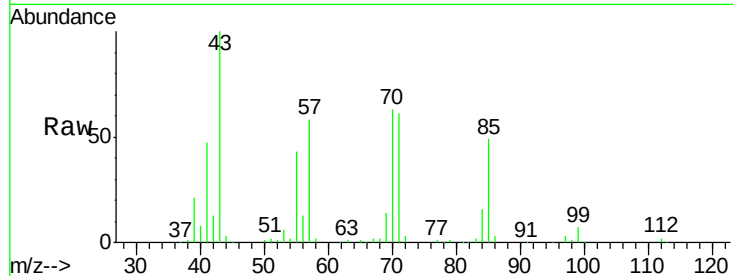
Tot Ion: 43 Resp: 661826

Ion Ratio Lower Upper

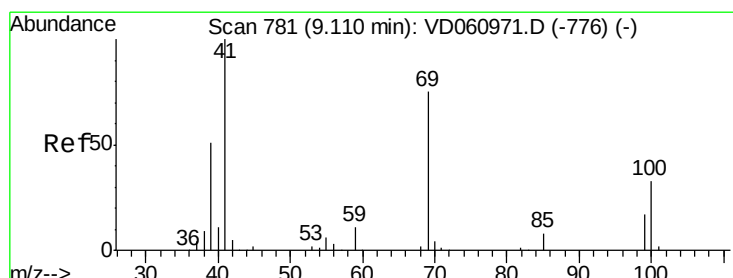
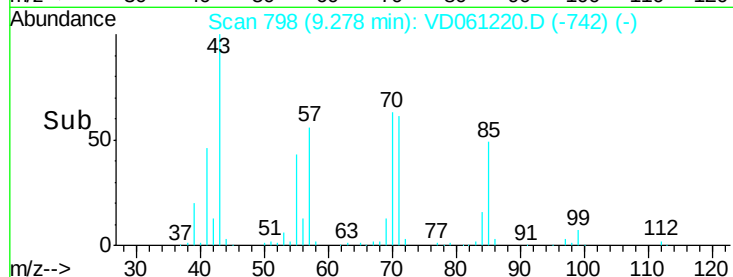
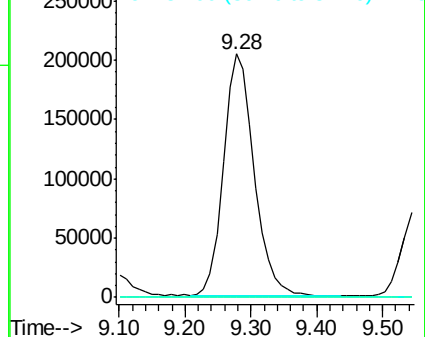
43 100

61 0.0 25.6 38.4#

87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#48

Methyl methacrylate

Concen: 34.625 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.02 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

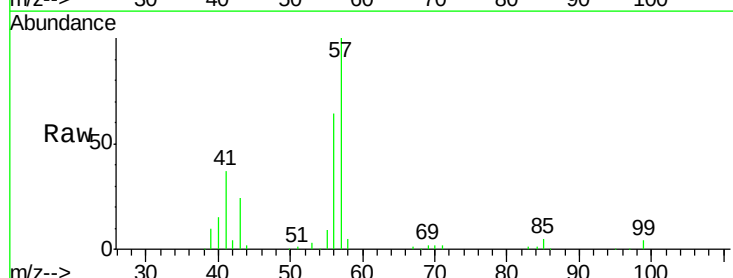
Tgt Ion: 41 Resp: 94916

Ion Ratio Lower Upper

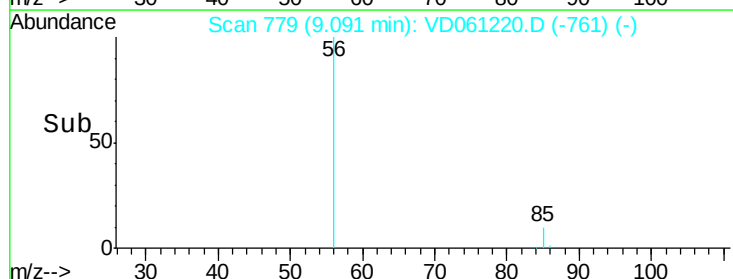
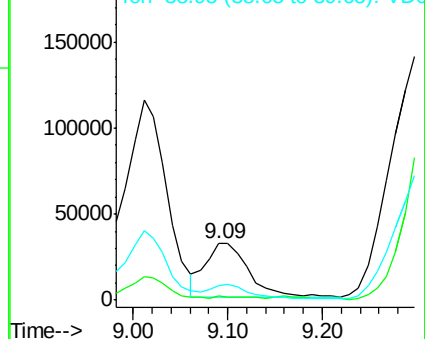
41 100

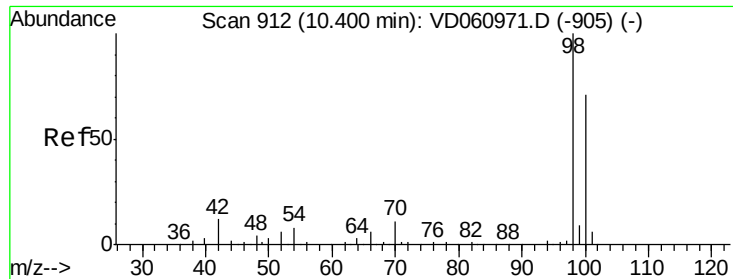
69 6.6 59.9 89.9#

39 26.4 40.9 61.3#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

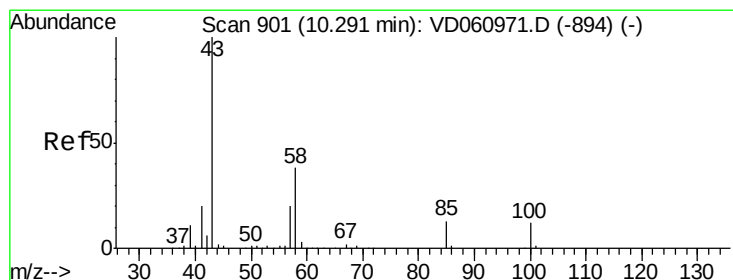
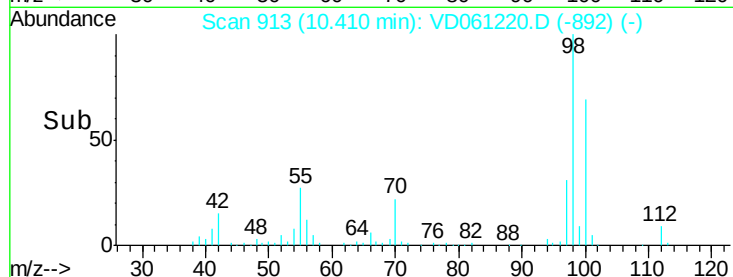
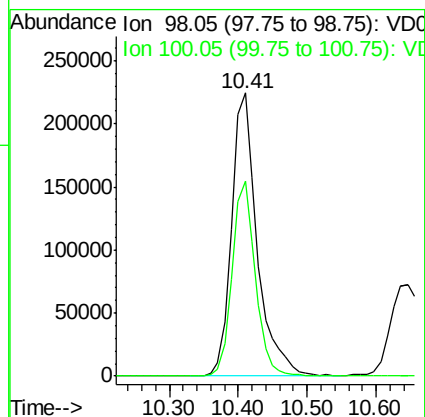
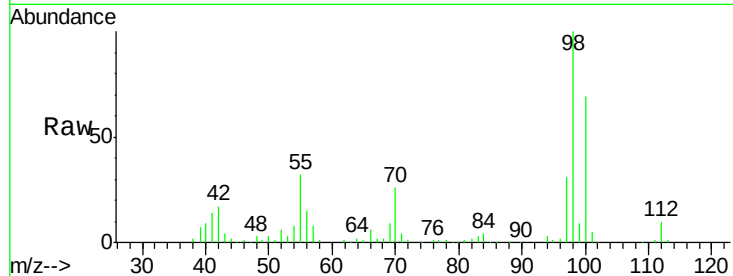




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD061220.D
Acq: 20 Mar 2019 20:48

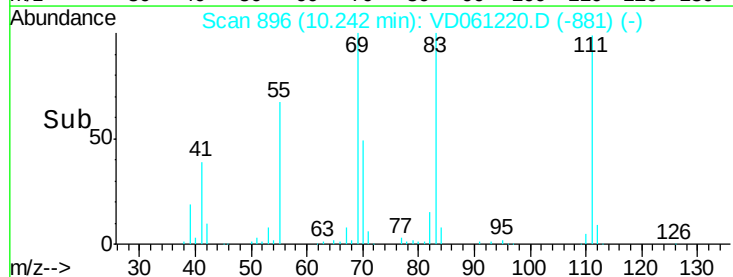
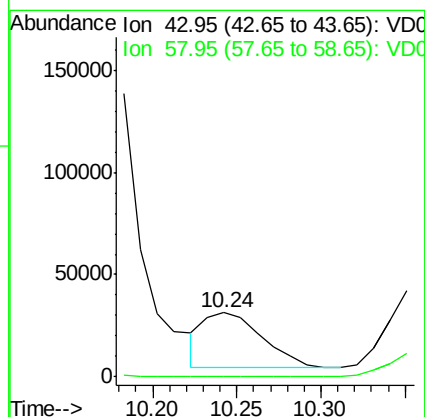
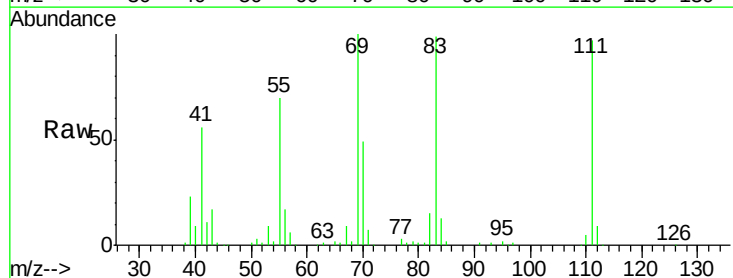
Instrument :
MSVOA_D
ClientSampled :

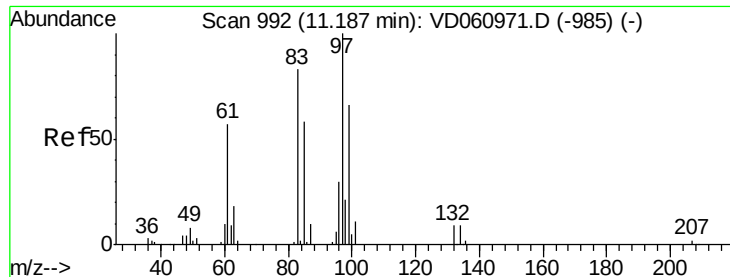
Tot Ion: 98 Resp: 577266
Ion Ratio Lower Upper
98 100
100 68.9 57.4 86.2



#51
4-Methyl-2-Pentanone
Concen: 21.827 ug/l
RT: 10.24 min Scan# 896
Delta R.T. -0.05 min
Lab File: VD061220.D
Acq: 20 Mar 2019 20:48

Tgt Ion: 43 Resp: 65103
Ion Ratio Lower Upper
43 100
58 1.4 30.2 45.2#





#55

1,1,2-Trichloroethane

Concen: 381.591 ug/l

RT: 11.10 min Scan# 983

Delta R.T. -0.09 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 97 Resp: 1479132

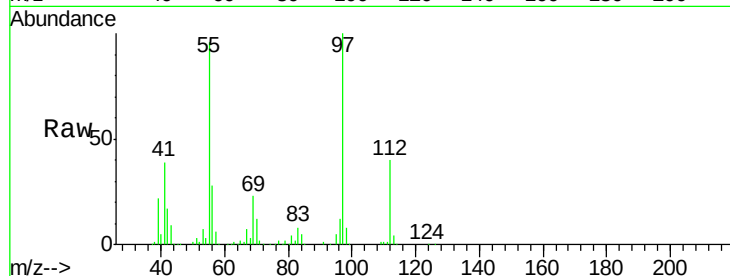
Ion Ratio Lower Upper

97 100

83 8.0 66.6 100.0#

85 0.3 46.4 69.6#

99 0.3 52.4 78.6#

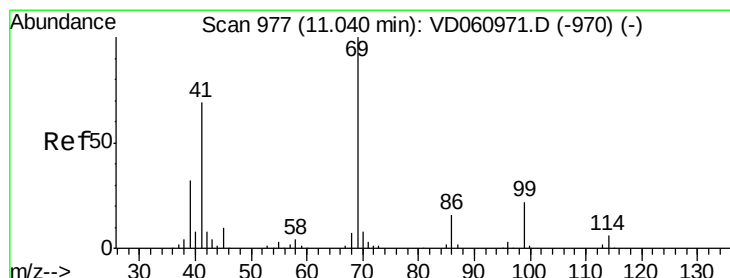
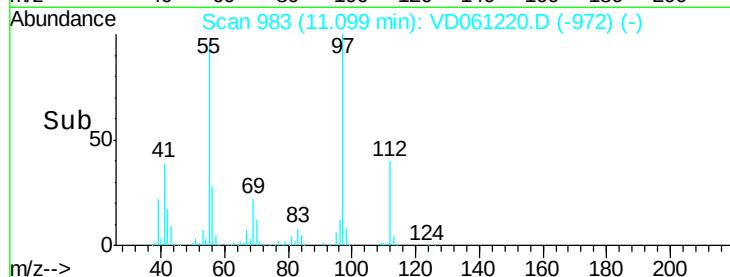
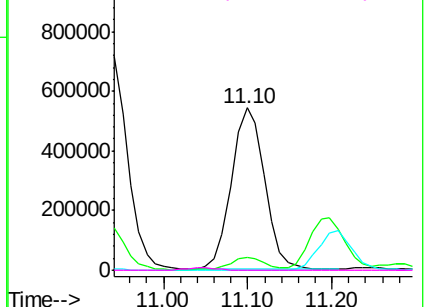


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 84.076 ug/l

RT: 11.10 min Scan# 983

Delta R.T. 0.06 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

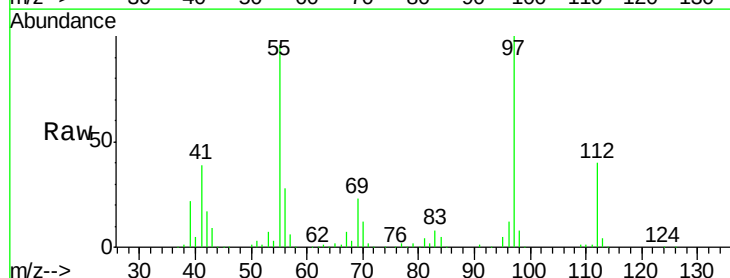
Tgt Ion: 69 Resp: 341122

Ion Ratio Lower Upper

69 100

41 171.8 55.5 83.3#

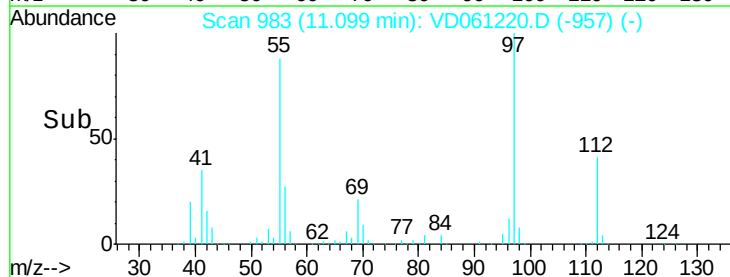
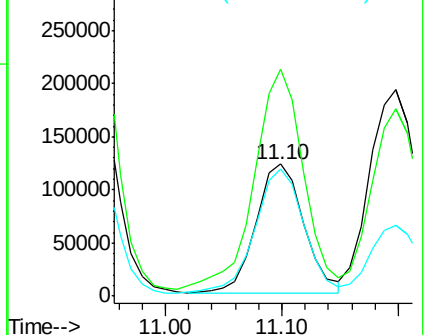
39 96.1 26.2 39.2#

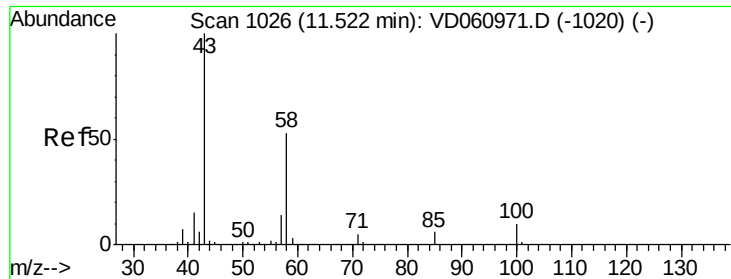


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#59

2-Hexanone

Concen: 205.348 ug/l

RT: 11.49 min Scan# 1023

Delta R.T. -0.03 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

Instrument :

MSVOA_D

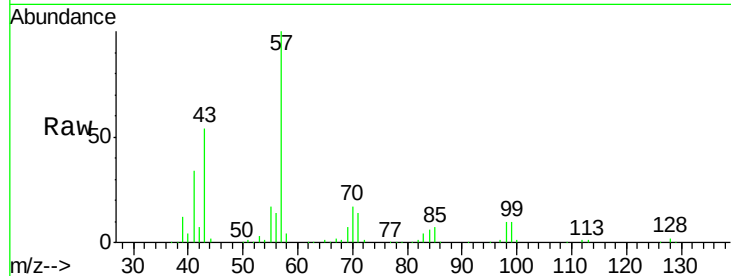
ClientSampleId :

Tot Ion: 43 Resp: 448037

Ion Ratio Lower Upper

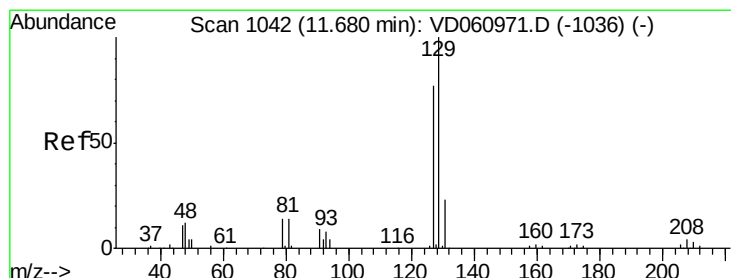
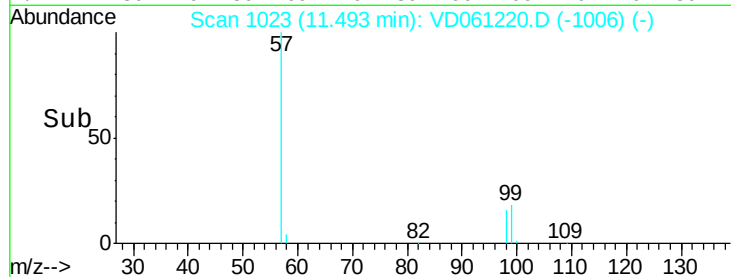
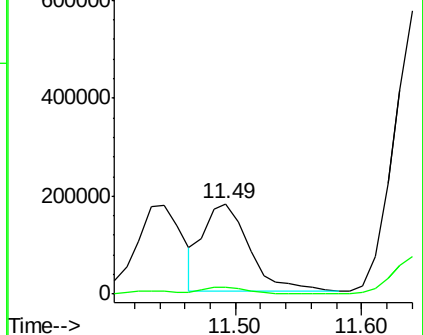
43 100

58 7.9 26.5 79.5#



Abundance Ion 42.95 (42.65 to 43.65): VD061220.D (-1020) (-)

Ion 57.95 (57.65 to 58.65): VD061220.D (-1020) (-)



#60

Dibromochloromethane

Concen: 1.683 ug/l

RT: 11.65 min Scan# 1039

Delta R.T. -0.03 min

Lab File: VD061220.D

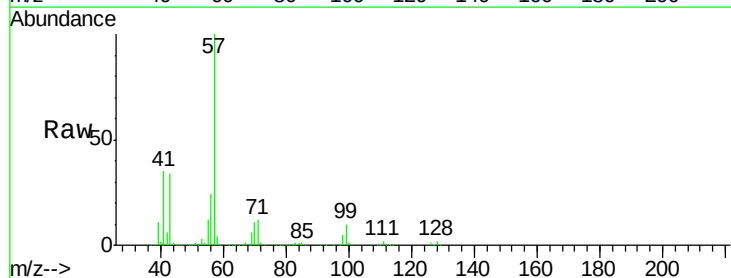
Acq: 20 Mar 2019 20:48

Tgt Ion:129 Resp: 9599

Ion Ratio Lower Upper

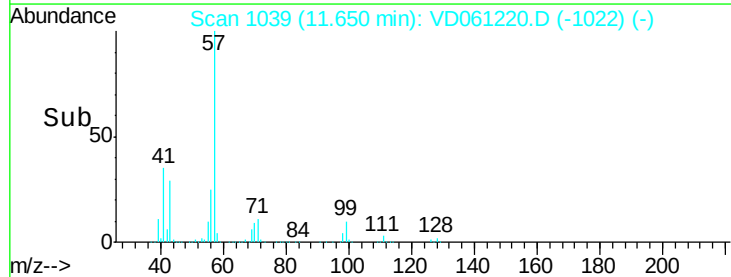
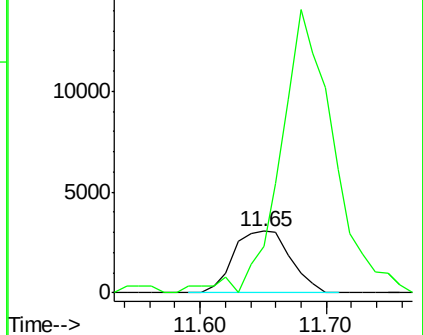
129 100

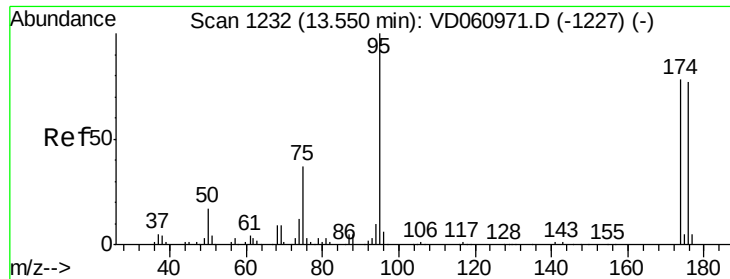
127 75.4 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): VD061220.D (-1022) (-)

Ion 126.80 (126.50 to 127.50): VD061220.D (-1022) (-)

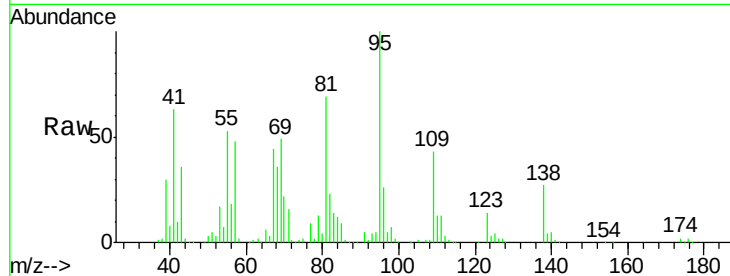




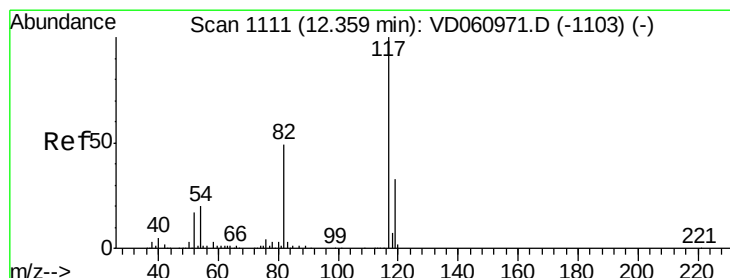
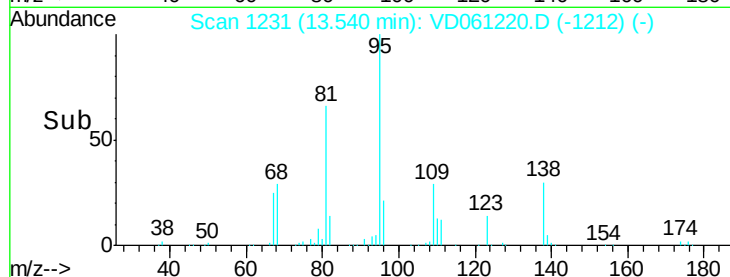
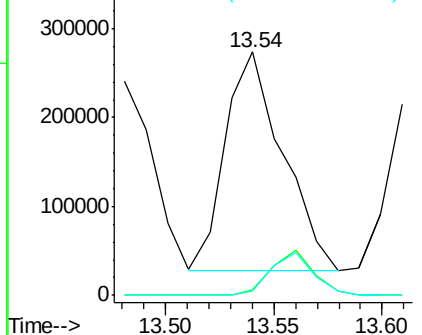
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD061220.D
Acq: 20 Mar 2019 20:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 95 Resp: 455268
Ion Ratio Lower Upper
95 100
174 2.2 0.0 155.6
176 1.9 0.0 153.8

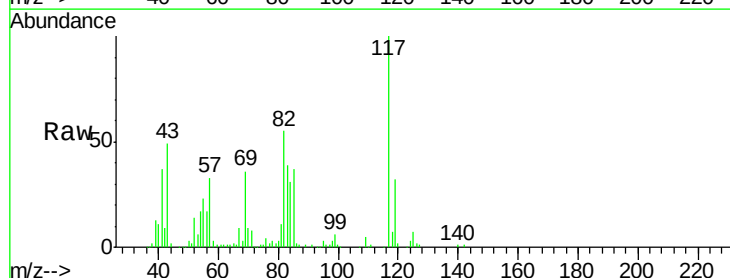


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

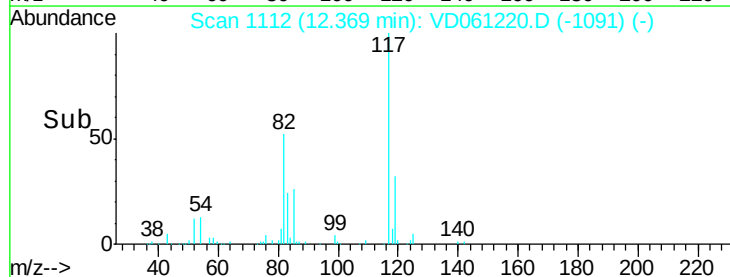
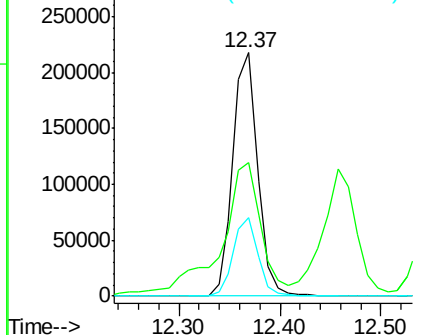


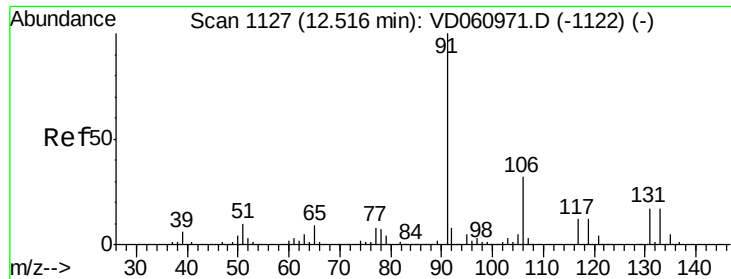
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061220.D
Acq: 20 Mar 2019 20:48

Tgt Ion: 117 Resp: 373564
Ion Ratio Lower Upper
117 100
82 54.9 38.9 58.3
119 32.1 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

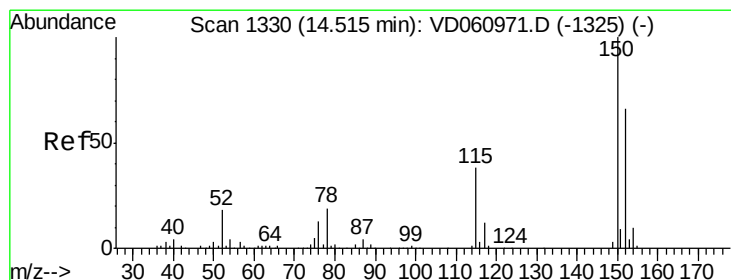
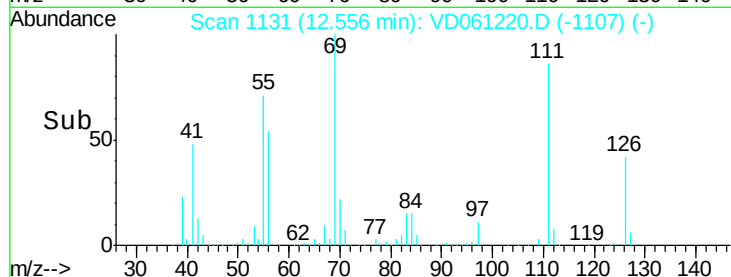
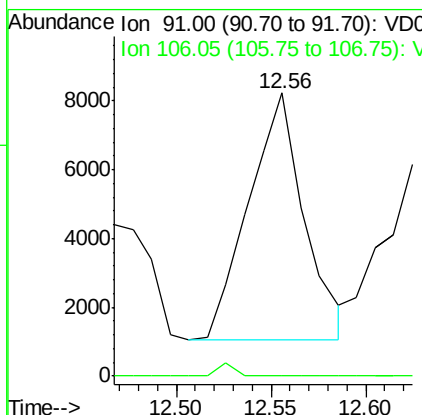
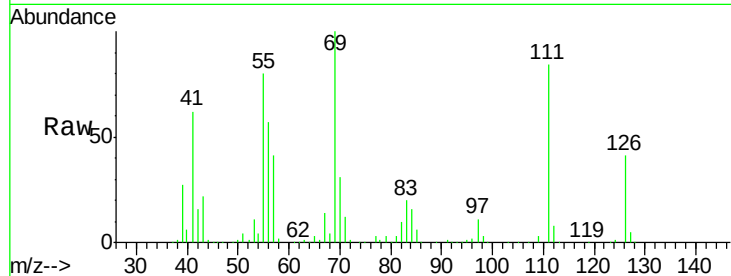




#67
Ethyl Benzene
Concen: 1.334 ug/l
RT: 12.56 min Scan# 1131
Delta R.T. 0.04 min
Lab File: VD061220.D
Acq: 20 Mar 2019 20:48

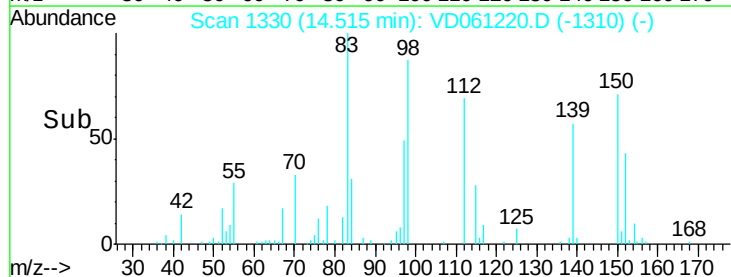
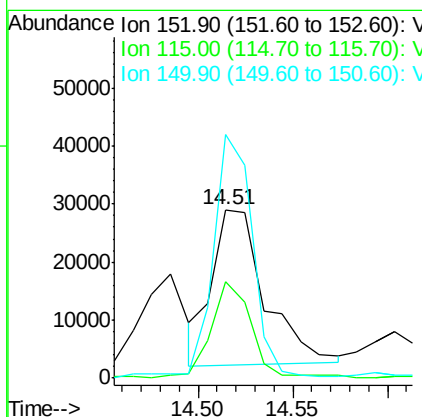
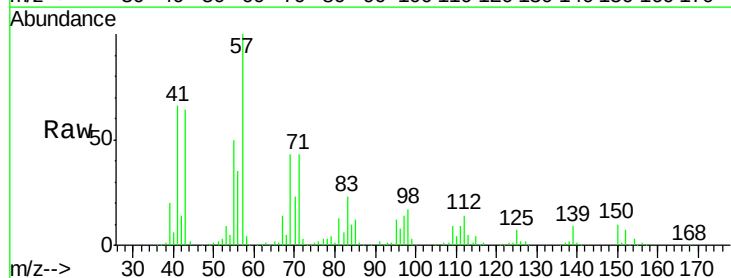
Instrument :
MSVOA_D
ClientSampleId :

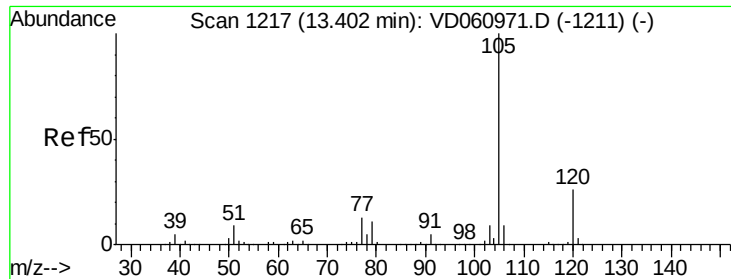
Tot Ion: 91 Resp: 14547
Ion Ratio Lower Upper
91 100
106 0.0 25.7 38.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061220.D
Acq: 20 Mar 2019 20:48

Tgt Ion: 152 Resp: 52130
Ion Ratio Lower Upper
152 100
115 57.6 28.6 85.9
150 144.7 0.0 310.6





#73

Isopropylbenzene

Concen: 1.201 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

Instrument :

MSVOA_D

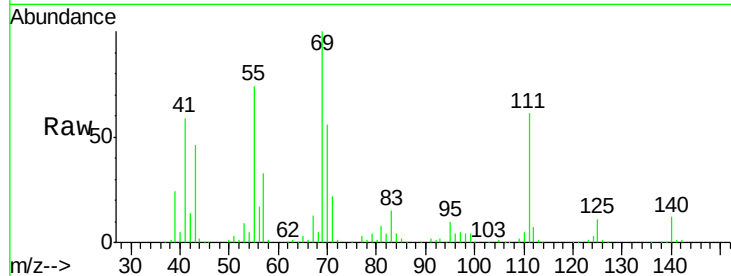
ClientSampled :

Tot Ion: 105 Resp: 4511

Ion Ratio Lower Upper

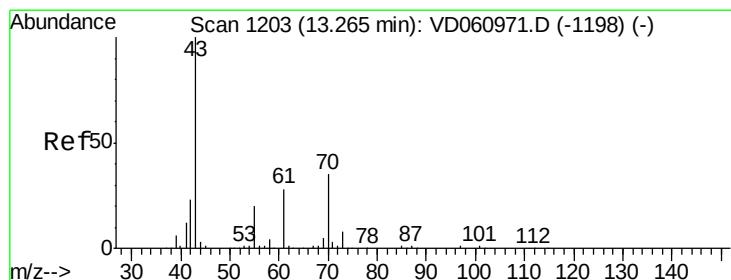
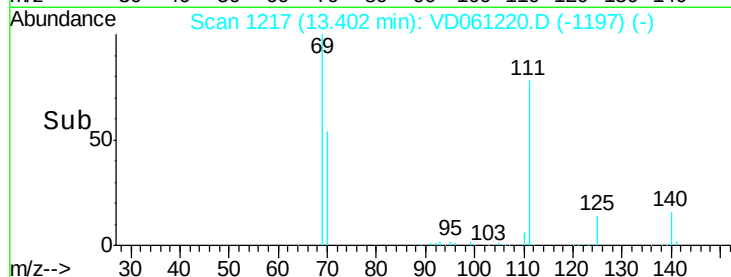
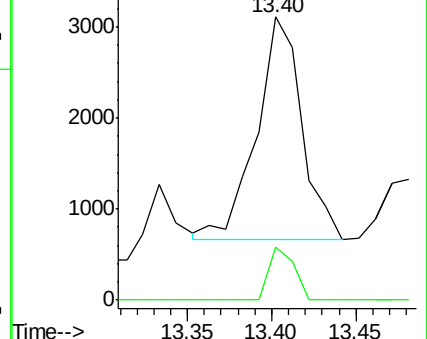
105 100

120 18.6 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 1268.965 ug/l

RT: 13.28 min Scan# 1205

Delta R.T. 0.02 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

Tgt Ion: 43 Resp: 1342382

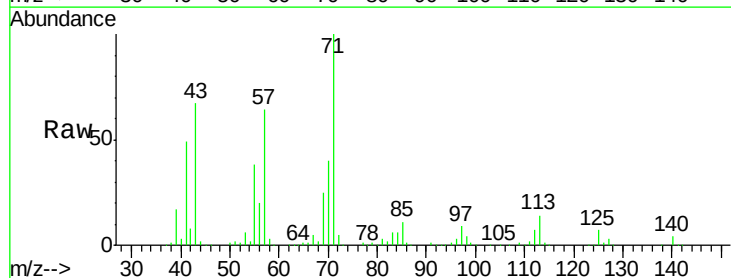
Ion Ratio Lower Upper

43 100

70 59.9 27.7 41.5#

55 57.5 16.2 24.2#

61 0.0 22.3 33.5#

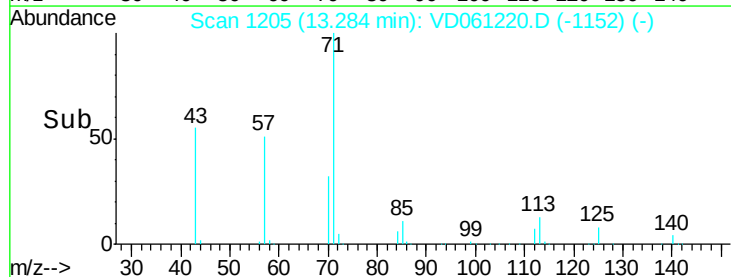
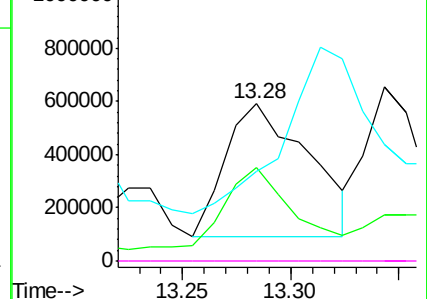


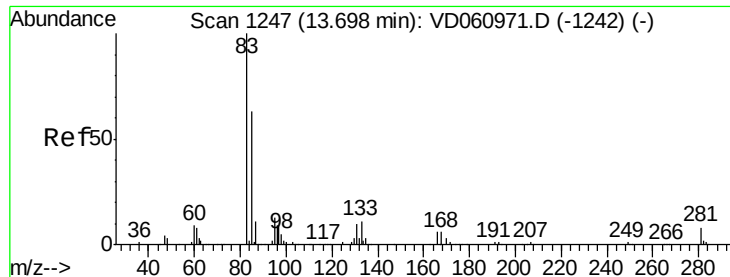
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 618.490 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.02 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampled :

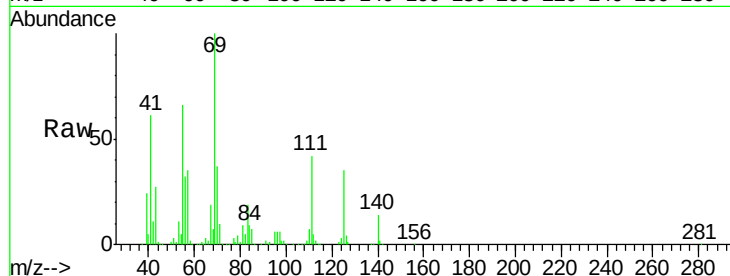
Tot Ion: 83 Resp: 453349

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

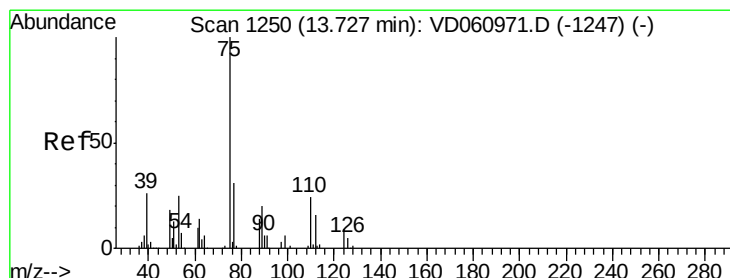
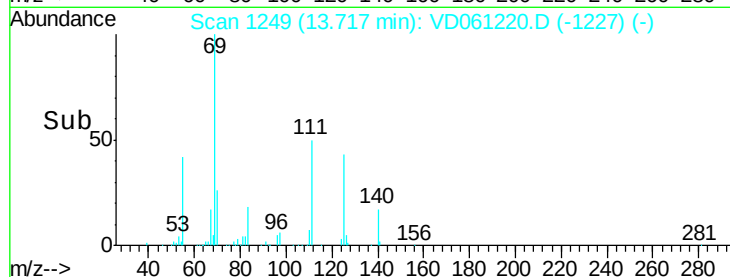
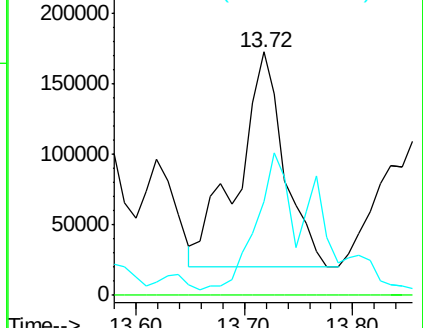
85 38.3 31.5 94.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 1.896 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD061220.D

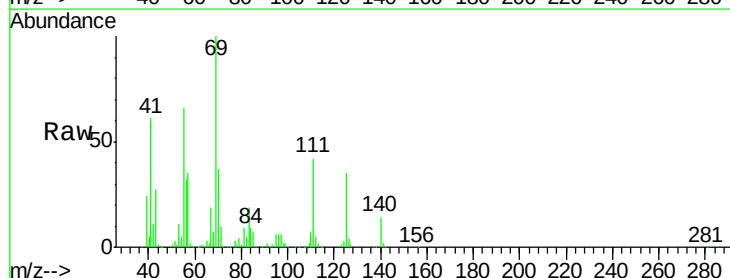
Acq: 20 Mar 2019 20:48

Tgt Ion: 75 Resp: 1422

Ion Ratio Lower Upper

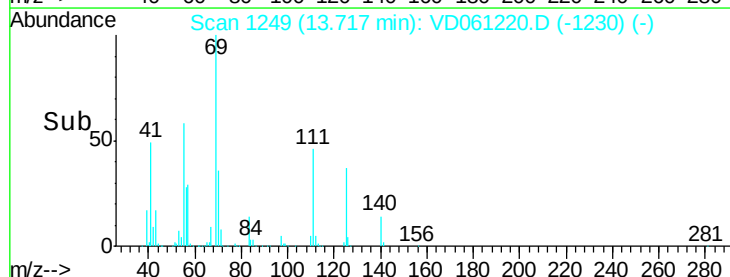
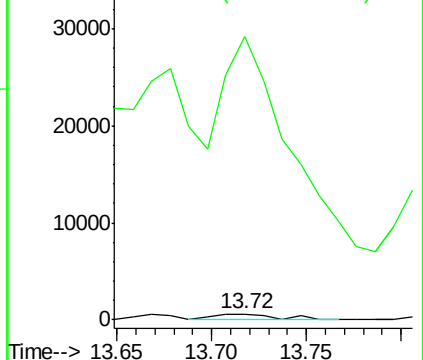
75 100

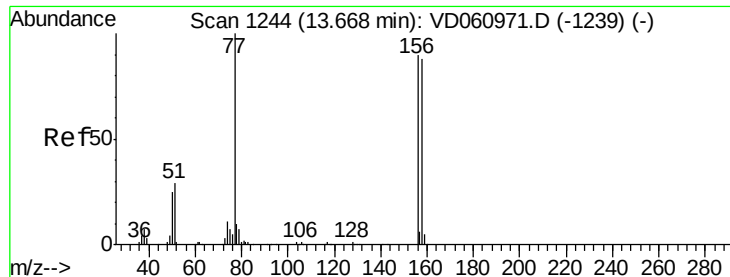
77 4966.3 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 2.967 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.07 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

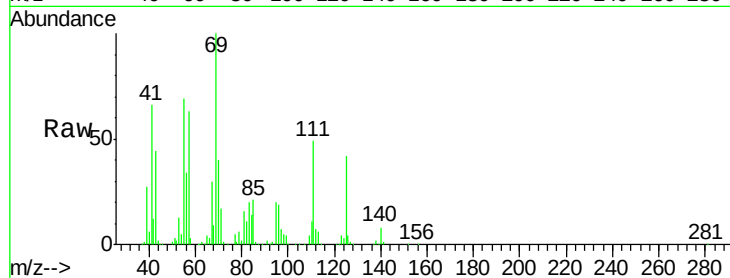
Tot Ion:156 Resp: 2845

Ion Ratio Lower Upper

156 100

77 1330.7 55.5 166.7#

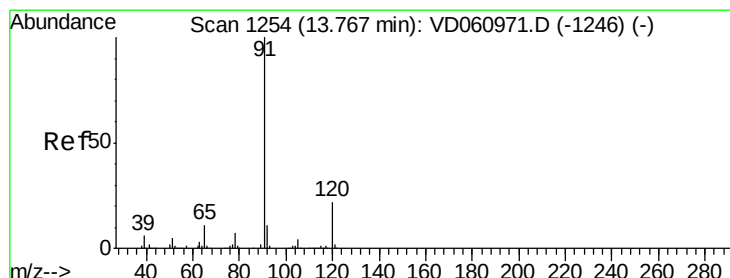
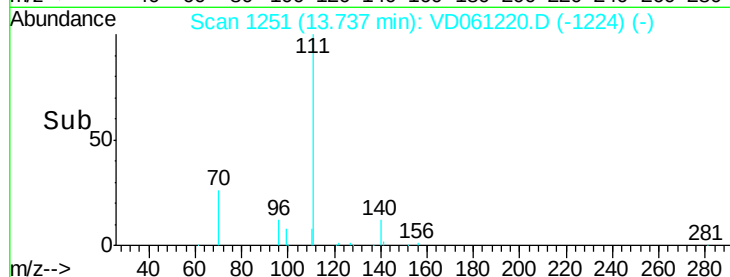
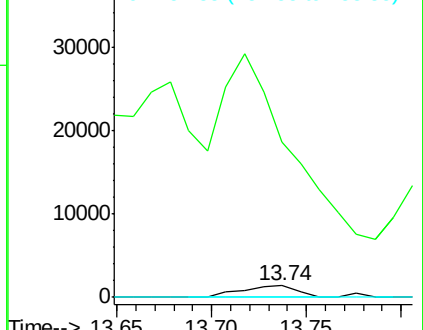
158 0.0 49.0 147.0#



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 5.717 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.05 min

Lab File: VD061220.D

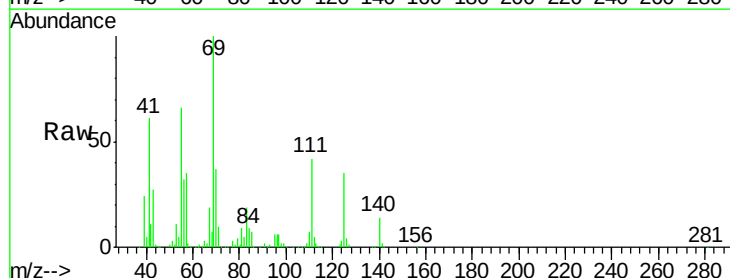
Acq: 20 Mar 2019 20:48

Tgt Ion: 91 Resp: 25146

Ion Ratio Lower Upper

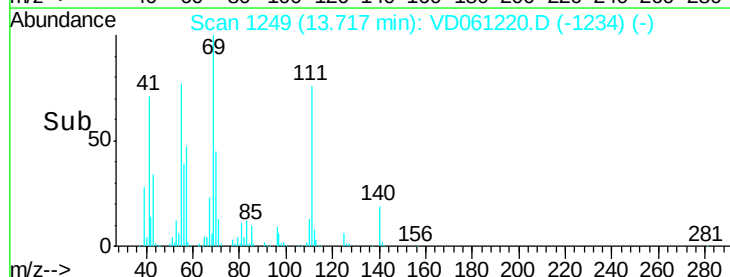
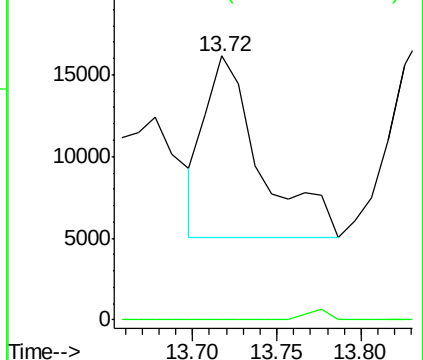
91 100

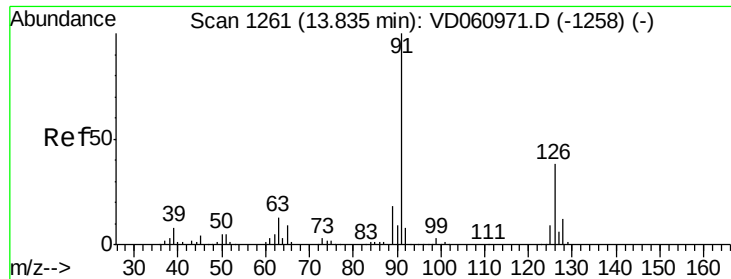
120 0.0 10.8 32.3#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

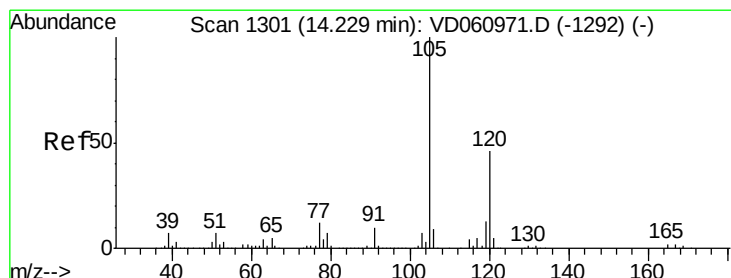
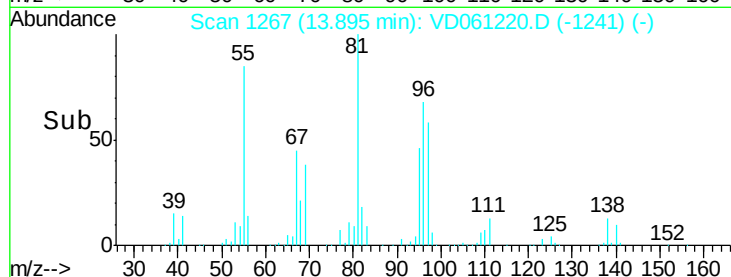
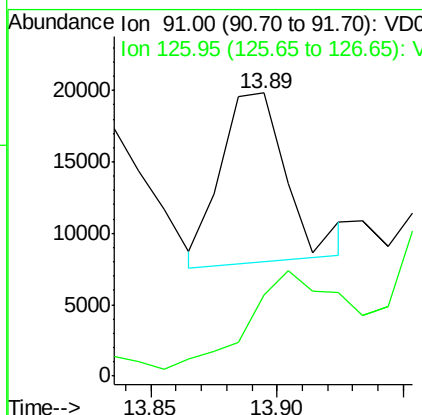
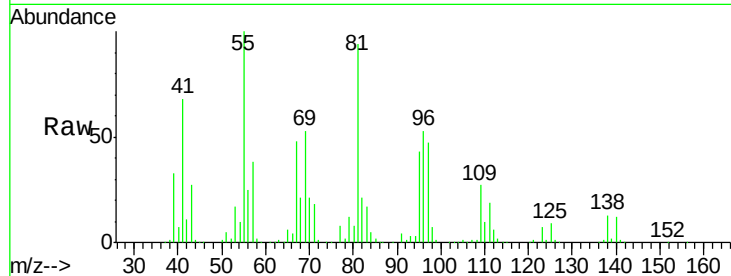




#79
 2-Chlorotoluene
 Concen: 8.966 ug/l
 RT: 13.89 min Scan# 1267
 Delta R.T. 0.06 min
 Lab File: VD061220.D
 Acq: 20 Mar 2019 20:48

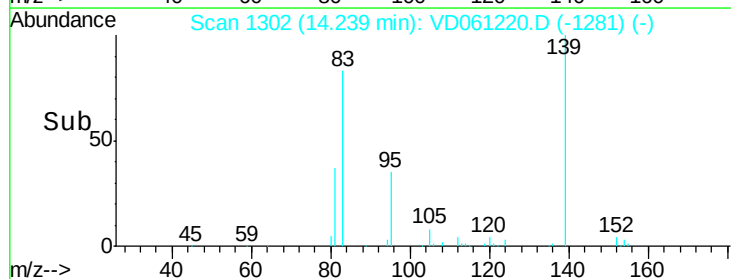
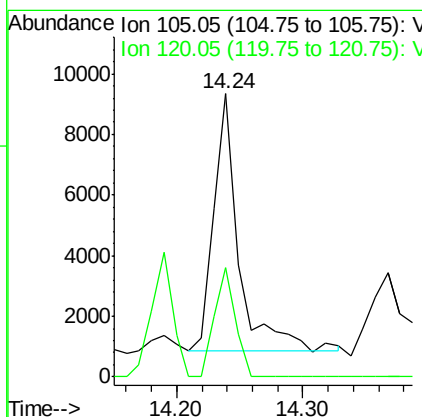
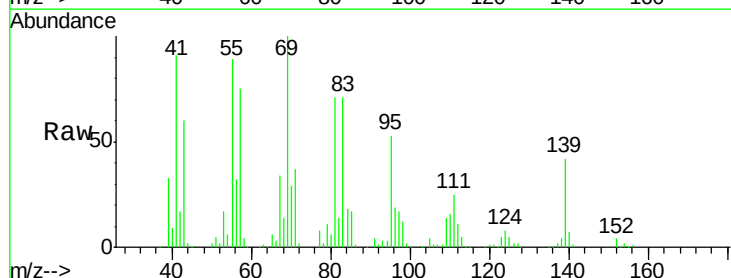
Instrument :
 MSVOA_D
 ClientSampleId :

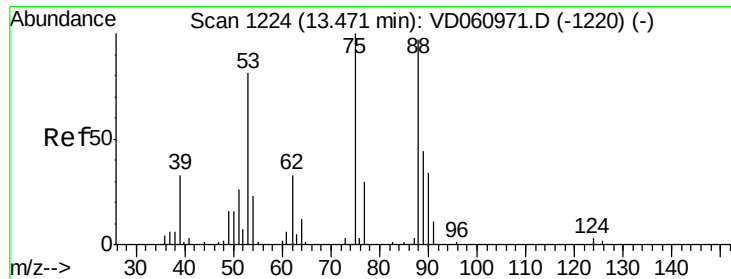
Tot Ion: 91 Resp: 21710
 Ion Ratio Lower Upper
 91 100
 126 28.5 18.6 55.6



#80
 1,3,5-Trimethylbenzene
 Concen: 4.098 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061220.D
 Acq: 20 Mar 2019 20:48

Tgt Ion: 105 Resp: 11689
 Ion Ratio Lower Upper
 105 100
 120 38.4 22.9 68.5

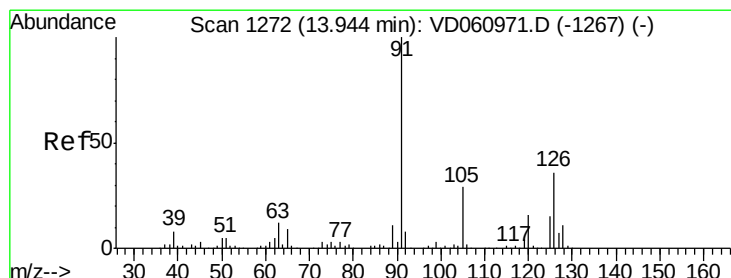
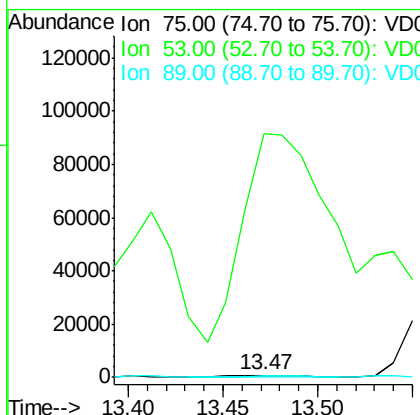
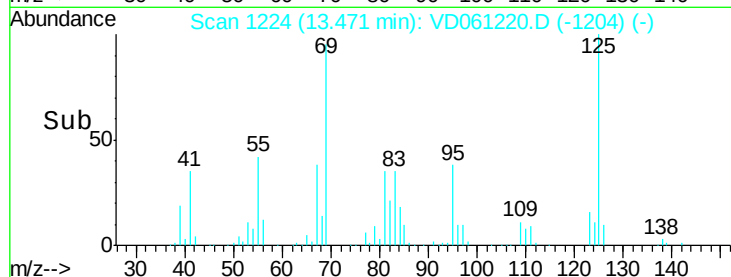
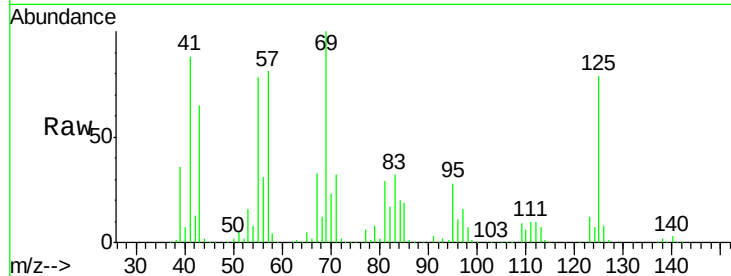




#81
trans-1,4-Dichloro-2-butene
Concen: 8.403 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD061220.D
Acq: 20 Mar 2019 20:48

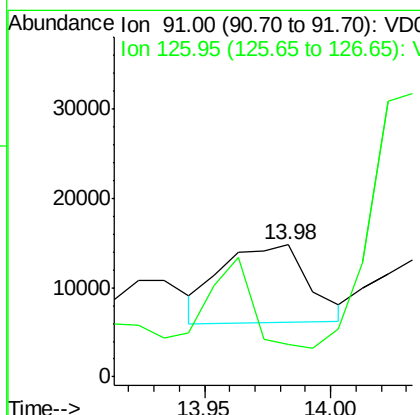
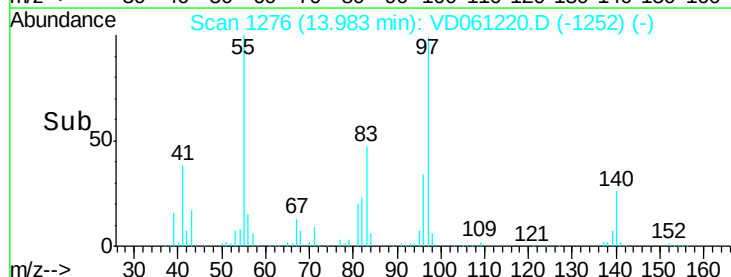
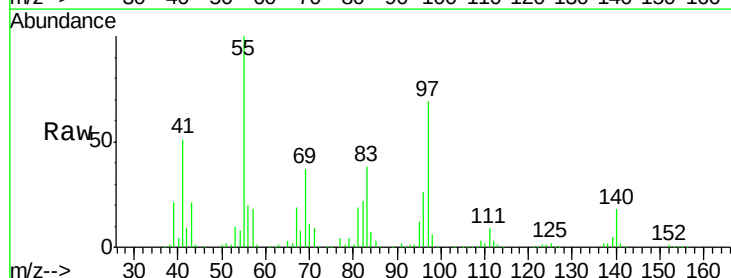
Instrument :
MSVOA_D
ClientSampled :

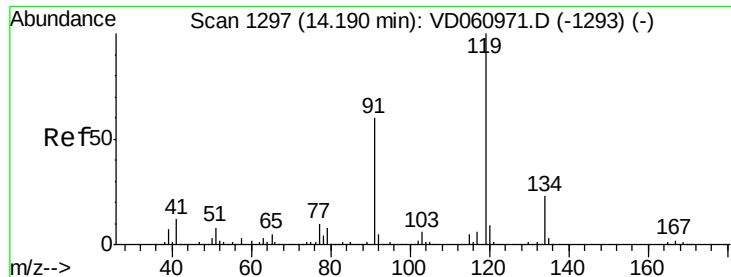
Tot Ion: 75 Resp: 1858
Ion Ratio Lower Upper
75 100
53 10647.7 64.4 96.6#
89 81.7 34.8 52.2#



#82
4-Chlorotoluene
Concen: 7.345 ug/l
RT: 13.98 min Scan# 1276
Delta R.T. 0.04 min
Lab File: VD061220.D
Acq: 20 Mar 2019 20:48

Tgt Ion: 91 Resp: 21026
Ion Ratio Lower Upper
91 100
126 24.5 18.0 54.0

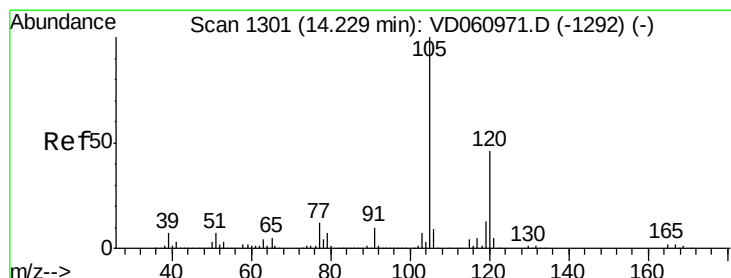
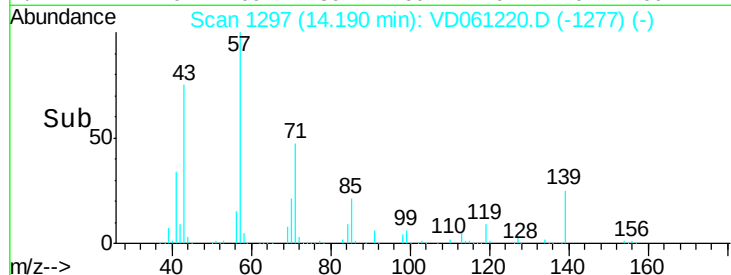
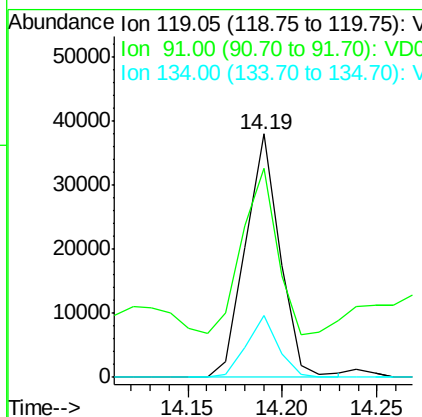
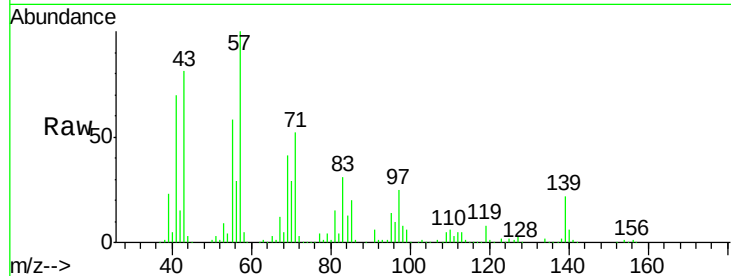




#83
 tert-Butylbenzene
 Concen: 15.378 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD061220.D
 Acq: 20 Mar 2019 20:48

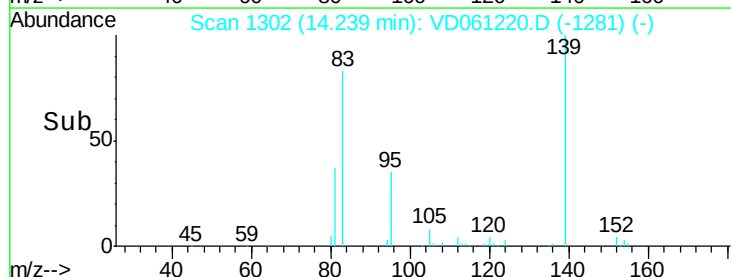
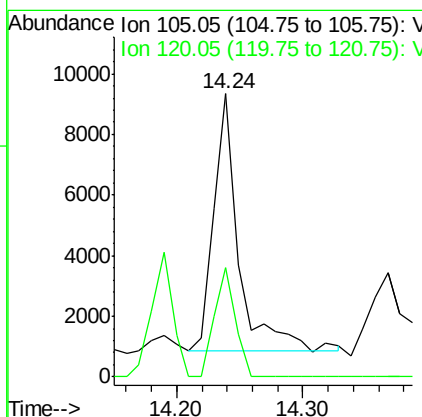
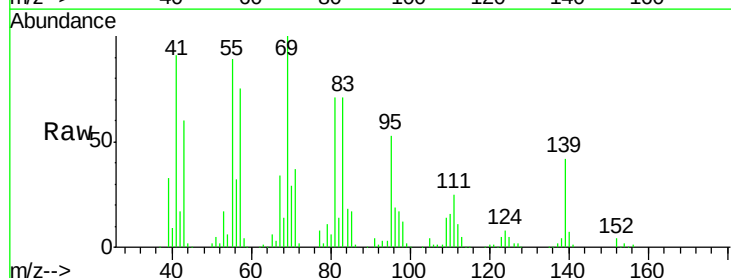
Instrument :
 MSVOA_D
 ClientSampleId :

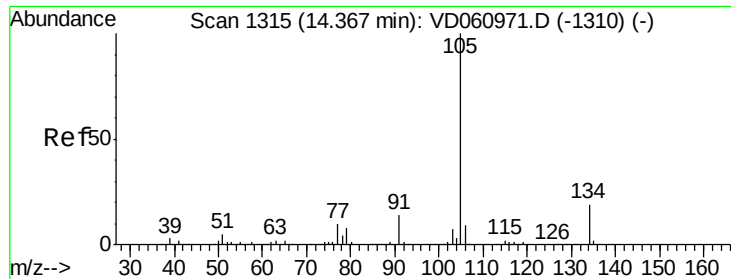
Tot Ion:119 Resp: 47998
 Ion Ratio Lower Upper
 119 100
 91 85.6 30.1 90.3
 134 25.7 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 4.098 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061220.D
 Acq: 20 Mar 2019 20:48

Tgt Ion:105 Resp: 11689
 Ion Ratio Lower Upper
 105 100
 120 38.4 22.9 68.5





#85

sec-Butylbenzene

Concen: 1.485 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

Instrument :

MSVOA_D

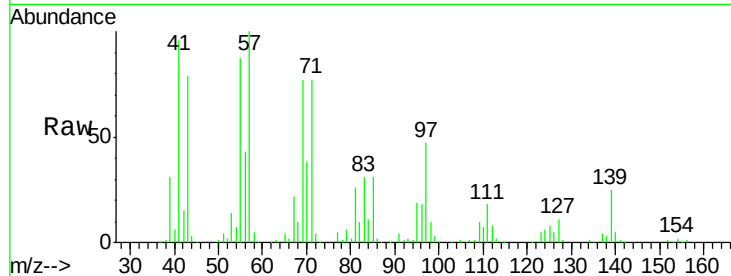
ClientSampled :

Tot Ion:105 Resp: 5658

Ion Ratio Lower Upper

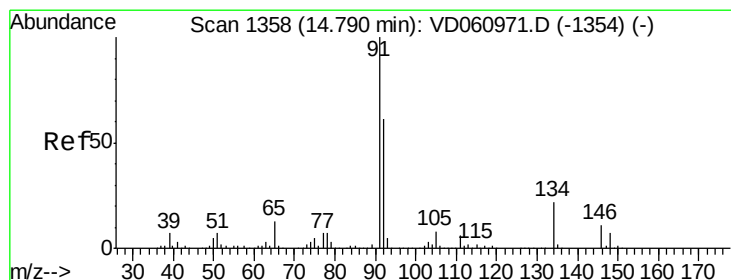
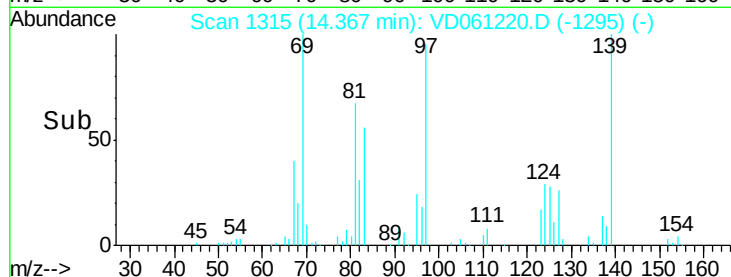
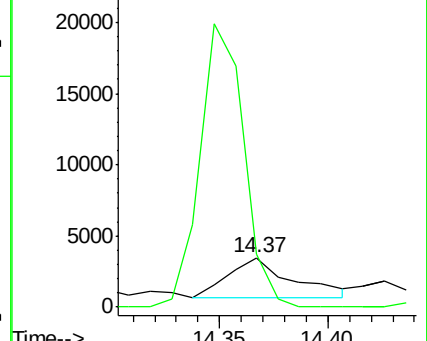
105 100

134 108.0 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: 15.860 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.02 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

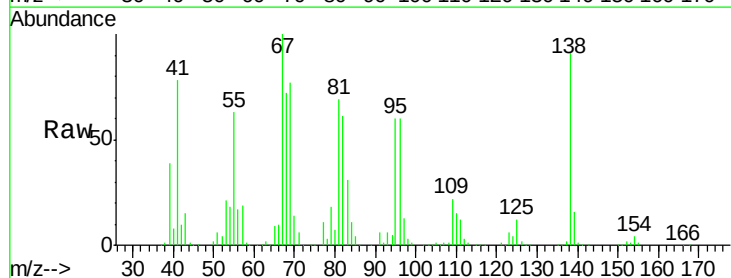
Tgt Ion: 91 Resp: 47439

Ion Ratio Lower Upper

91 100

92 12.6 30.6 91.8#

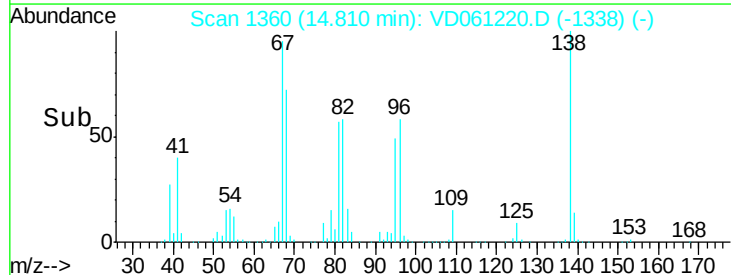
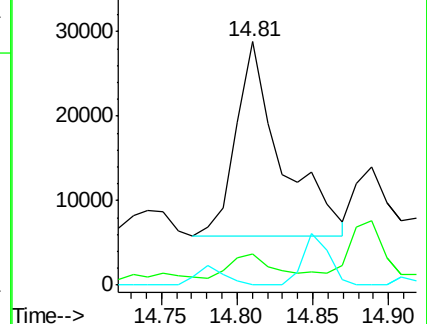
134 0.0 11.0 33.0#

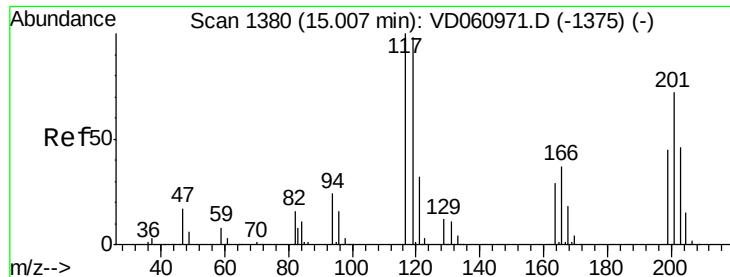


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V





#90

Hexachloroethane

Concen: 16.878 ug/l

RT: 15.06 min Scan# 1385

Delta R.T. 0.05 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

Instrument :

MSVOA_D

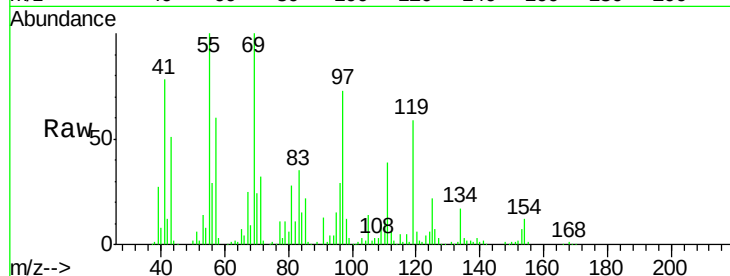
ClientSampled :

Tot Ion:117 Resp: 14844

Ion Ratio Lower Upper

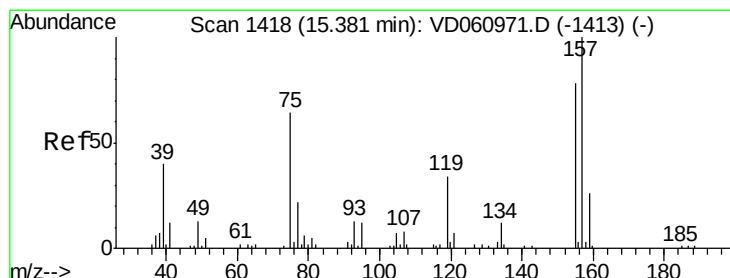
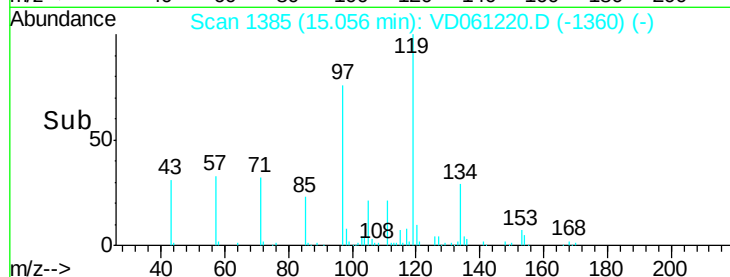
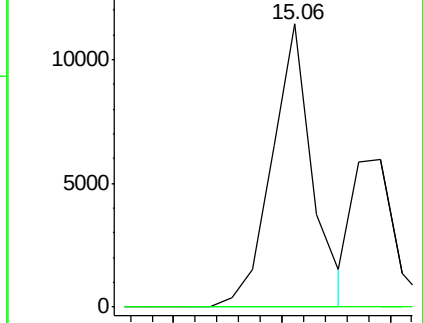
117 100

201 0.0 36.2 108.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 14.401 ug/l

RT: 15.34 min Scan# 1414

Delta R.T. -0.04 min

Lab File: VD061220.D

Acq: 20 Mar 2019 20:48

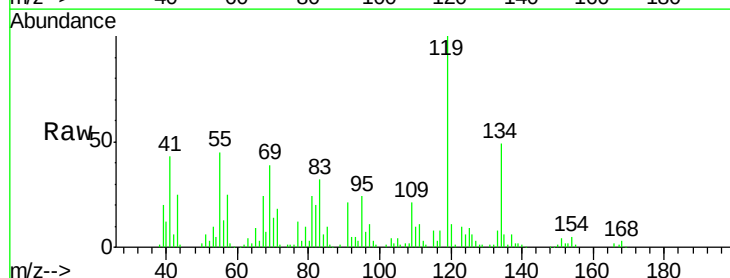
Tgt Ion: 75 Resp: 1272

Ion Ratio Lower Upper

75 100

155 108.4 61.2 183.5

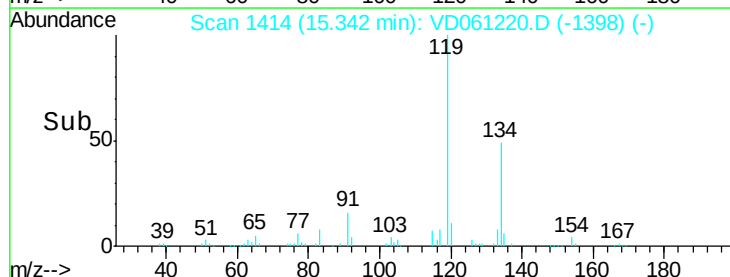
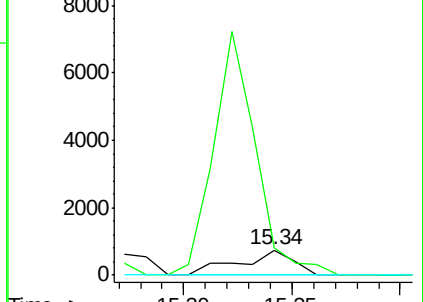
157 0.0 78.3 234.8#

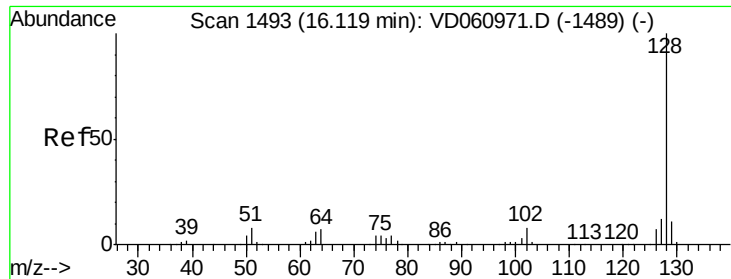


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

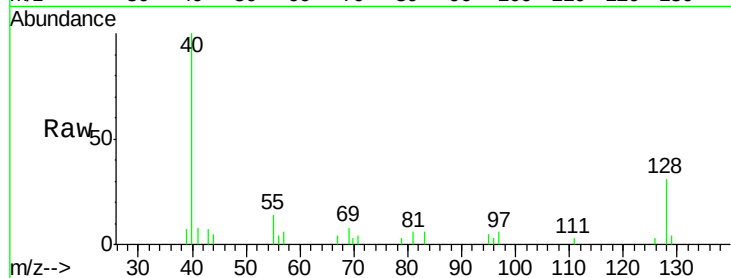




#95
 Naphthalene
 Concen: 3.756 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VD061220.D
 Acq: 20 Mar 2019 20:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:128 Resp: 3780
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.8 14.8#
 129 14.4 8.5 12.7#



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

