

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102418\
 Data File : VD060180.D
 Acq On : 24 Oct 2018 14:25
 Operator : JC/SY
 Sample : J5622-03
 Misc : 4.91g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KG-V23608

Quant Time: Oct 25 03:34:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1093108	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	1747173	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	861662	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	180847	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	562266	67.86	ug/l	0.02
Spiked Amount			Recovery	=	135.72%	
35) Dibromofluoromethane	6.32	113	700246	52.78	ug/l	0.02
Spiked Amount			Recovery	=	105.56%	
50) Toluene-d8	9.45	98	1295777	34.25	ug/l	0.01
Spiked Amount			Recovery	=	68.50%	
62) 4-Bromofluorobenzene	12.48	95	23235	1.64	ug/l	0.06
Spiked Amount			Recovery	=	3.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.96	59	3449	5.804	ug/l #	74
16) Acetone	3.16	43	82991	55.198	ug/l	96
17) Carbon Disulfide	3.33	76	21352	1.424	ug/l	99
20) Methylene Chloride	3.72	84	191766	13.023	ug/l	94
25) 2-Butanone	5.62	43	33316	8.870	ug/l	95
29) Tetrahydrofuran	5.95	42	11874	5.442	ug/l #	89
31) Cyclohexane	6.40	56	24342	1.356	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	78173	4.682	ug/l #	47
37) Ethyl Acetate	5.62	43	33315	3.006	ug/l #	78
38) Carbon Tetrachloride	6.41	117	85854	5.666	ug/l #	15
41) Methacrylonitrile	5.96	41	7489	1.196	ug/l #	81
49) 1,4-Dioxane	8.24	88	3565	43.629	ug/l #	84
52) Toluene	9.55	92	34847	1.239	ug/l	93
59) 2-Hexanone	10.44	43	28908	4.372	ug/l #	34
68) m/p-Xylenes	11.57	106	22652	2.007	ug/l	95
69) o-Xylene	11.93	106	14919	1.337	ug/l	84
73) Isopropylbenzene	12.27	105	16643	1.395	ug/l	85
74) N-amyl acetate	12.09	43	81298	18.603	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.58	83	56531	21.704	ug/l #	50
76) 1,2,3-Trichloropropane	12.42	75	104969	40.304	ug/l #	46
78) n-propylbenzene	12.64	91	15853	1.070	ug/l	88
79) 2-Chlorotoluene	12.71	91	11646	1.416	ug/l #	55
80) 1,3,5-Trimethylbenzene	12.80	105	32884	3.561	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.42	75	106382	145.369	ug/l #	16
83) tert-Butylbenzene	13.04	119	19312	1.823	ug/l	87
84) 1,2,4-Trimethylbenzene	13.09	105	103152	10.599	ug/l	91
85) sec-Butylbenzene	13.22	105	102774	8.203	ug/l	99
86) p-Isopropyltoluene	13.34	119	171814	16.720	ug/l	96
89) n-Butylbenzene	13.65	91	89881	8.964	ug/l	94
90) Hexachloroethane	13.90	117	50134	21.080	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.18	75	6428	18.483	ug/l #	20
93) 1,2,4-Trichlorobenzene	14.79	180	12181	2.826	ug/l #	1
95) Naphthalene	14.97	128	64523	10.097	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.10	180	16675	4.446	ug/l #	1

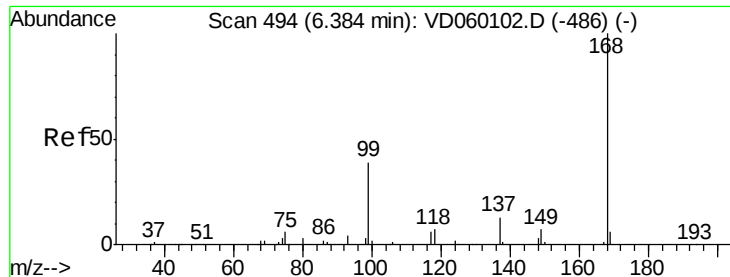
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102418\
Data File : VD060180.D
Acq On : 24 Oct 2018 14:25
Operator : JC/SY
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

Instrument :

MSVOA_D

ClientSampleId :

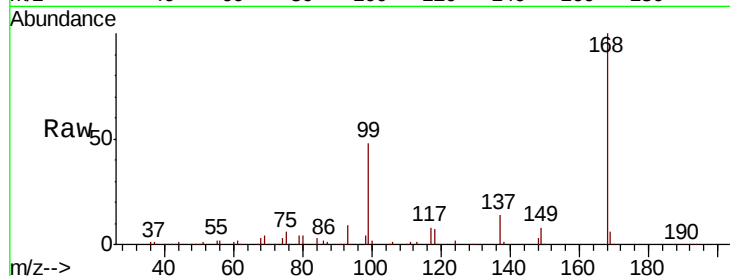
KG-V23608

Tot Ion:168 Resp: 1093108

Ion Ratio Lower Upper

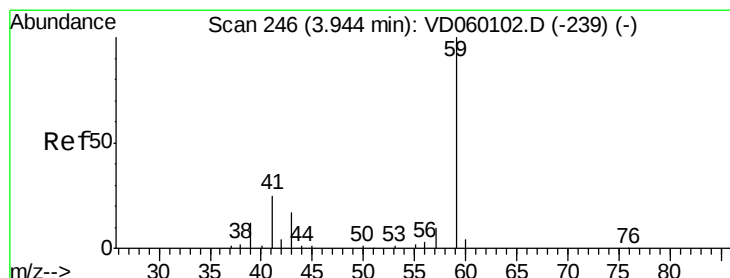
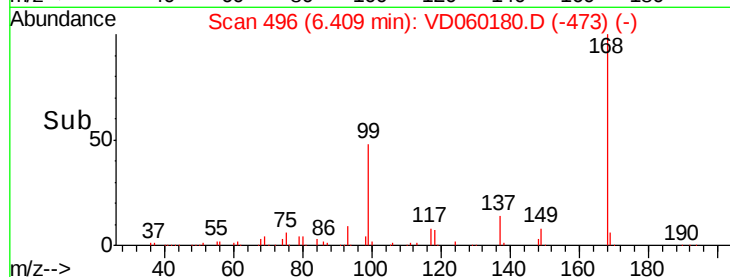
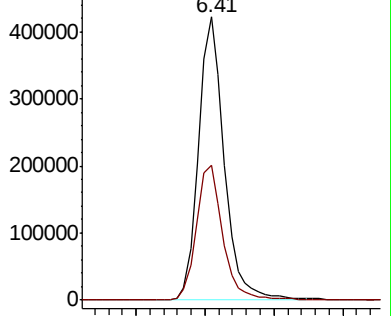
168 100

99 47.8 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 5.804 ug/l

RT: 3.96 min Scan# 247

Delta R.T. 0.01 min

Lab File: VD060180.D

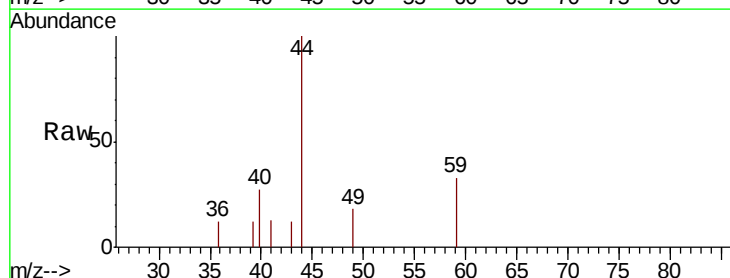
Acq: 24 Oct 2018 14:25

Tgt Ion: 59 Resp: 3449

Ion Ratio Lower Upper

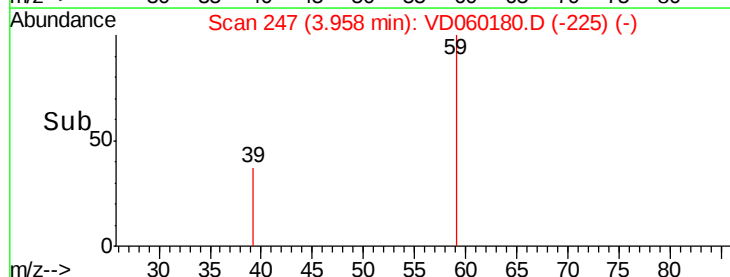
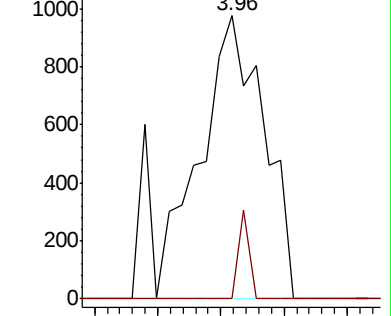
59 100

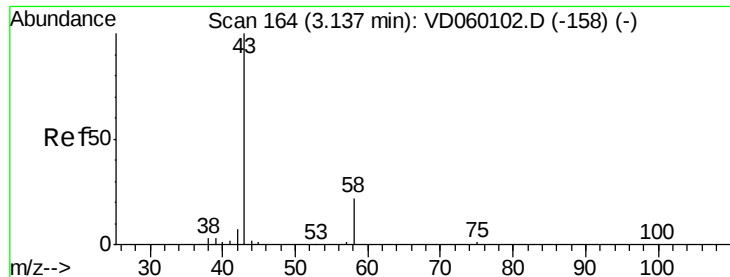
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 55.198 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

Instrument :

MSVOA_D

ClientSampleId :

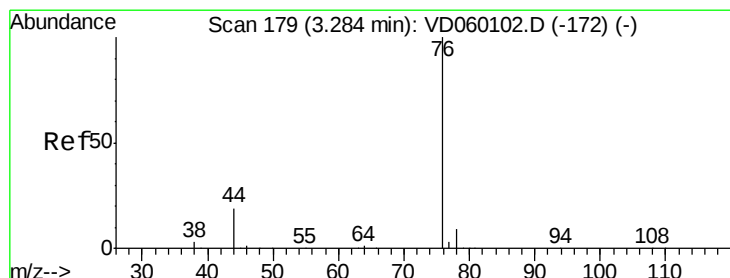
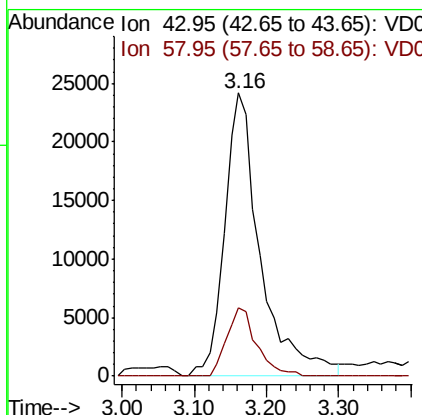
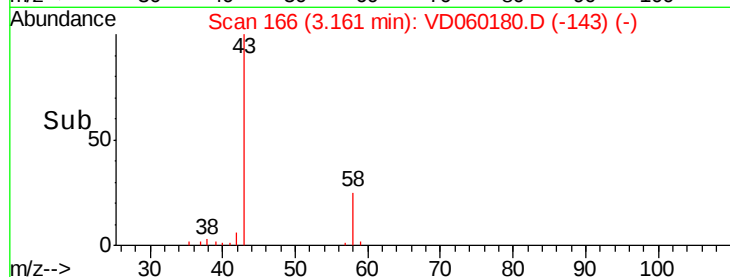
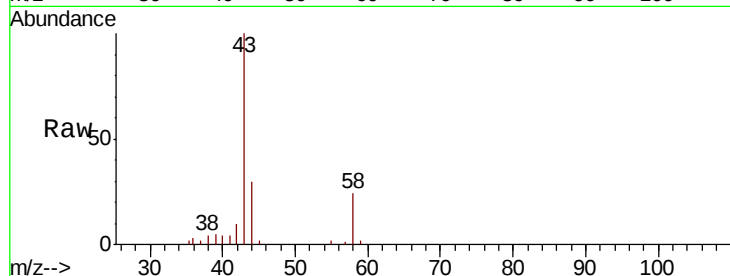
KG-V23608

Tot Ion: 43 Resp: 82991

Ion Ratio Lower Upper

43 100

58 24.2 17.7 26.5



#17

Carbon Disulfide

Concen: 1.424 ug/l

RT: 3.33 min Scan# 183

Delta R.T. 0.04 min

Lab File: VD060180.D

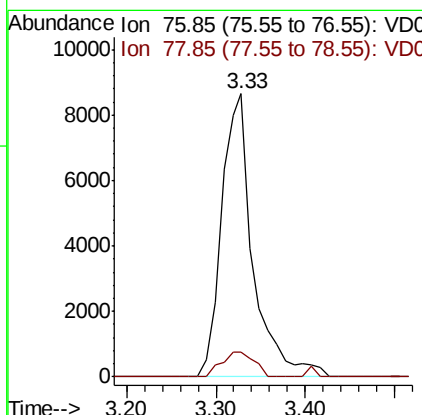
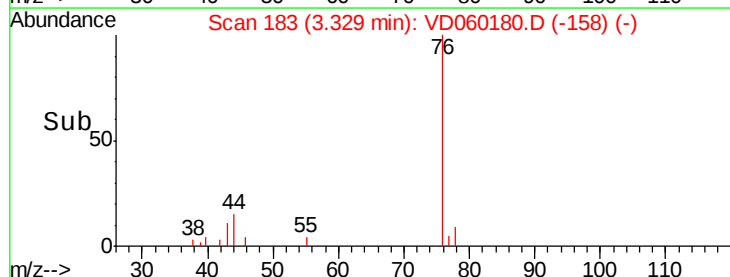
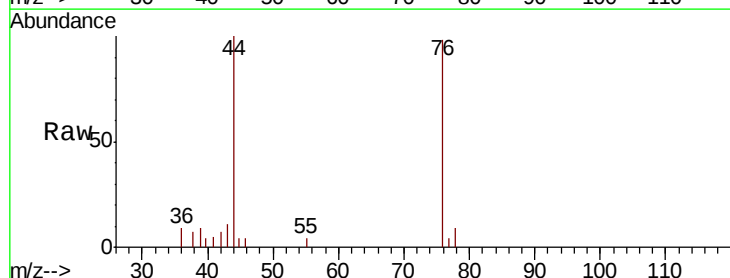
Acq: 24 Oct 2018 14:25

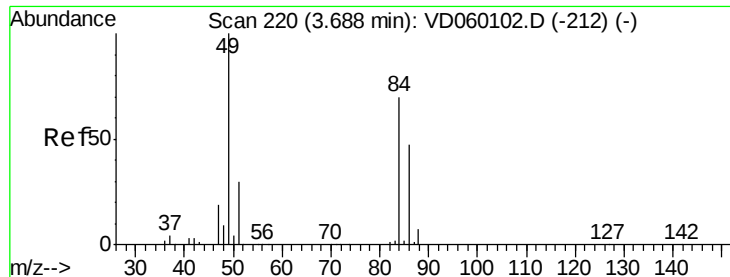
Tgt Ion: 76 Resp: 21352

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

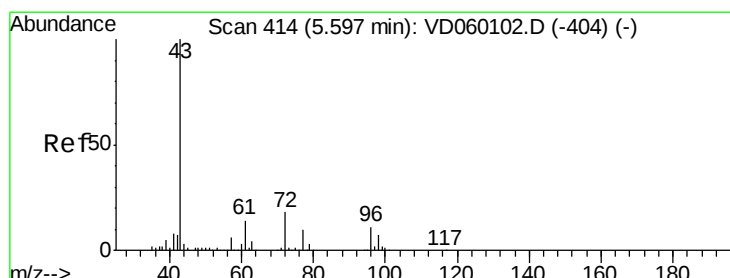
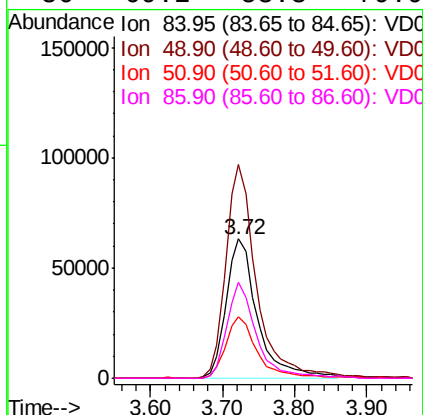
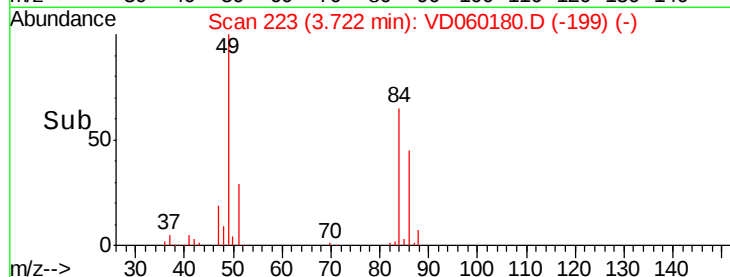
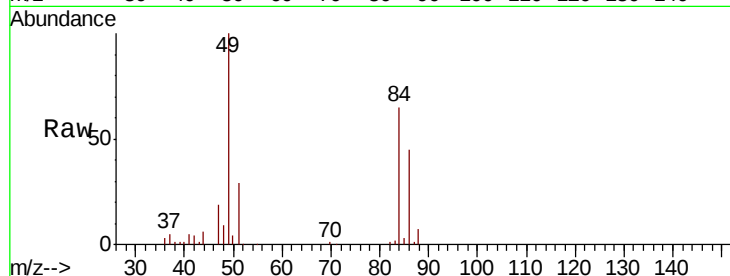




#20
Methvlene Chloride
Concen: 13.023 ug/l
RT: 3.72 min Scan# 223
Delta R.T. 0.04 min
Lab File: VD060180.D
Acq: 24 Oct 2018 14:25

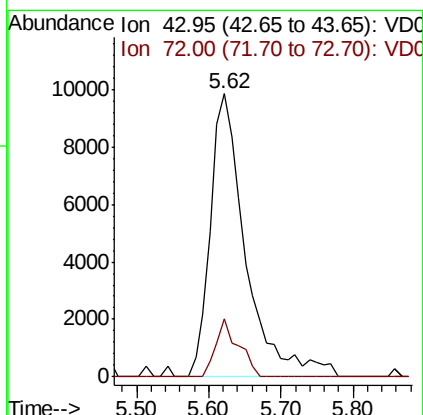
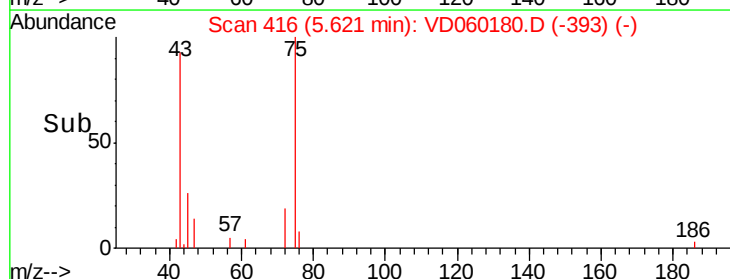
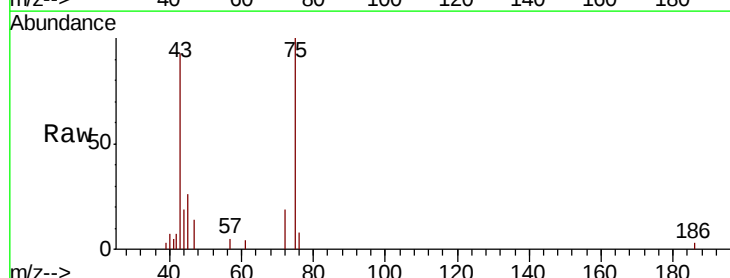
Instrument :
MSVOA_D
ClientSampleId :
KG-V23608

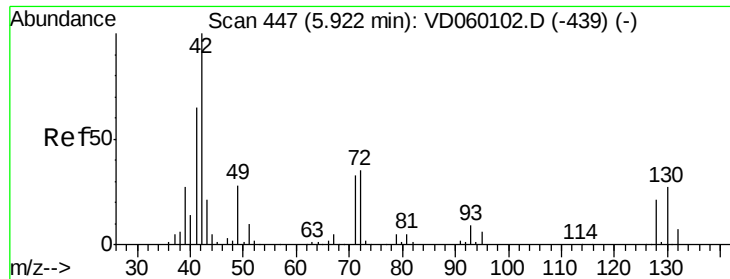
Tot Ion: 84 Resp: 191766
Ion Ratio Lower Upper
84 100
49 153.3 114.6 172.0
51 44.4 33.8 50.8
86 69.2 53.3 79.9



#25
2-Butanone
Concen: 8.870 ug/l
RT: 5.62 min Scan# 416
Delta R.T. 0.02 min
Lab File: VD060180.D
Acq: 24 Oct 2018 14:25

Tgt Ion: 43 Resp: 33316
Ion Ratio Lower Upper
43 100
72 20.5 14.5 21.7





#29

Tetrahydrofuran

Concen: 5.442 ug/l

RT: 5.95 min Scan# 449

Delta R.T. 0.02 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

Instrument :

MSVOA_D

ClientSampleId :

KG-V23608

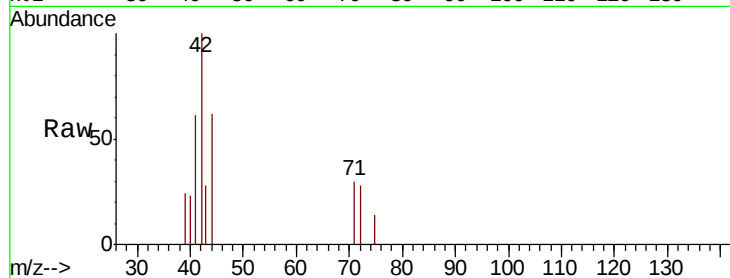
Tot Ion: 42 Resp: 11874

Ion Ratio Lower Upper

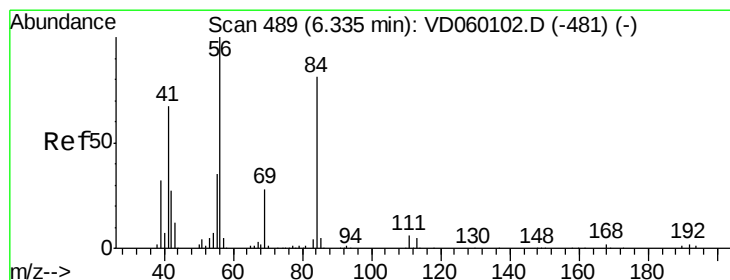
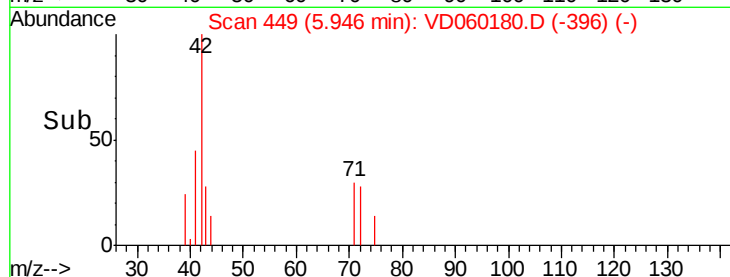
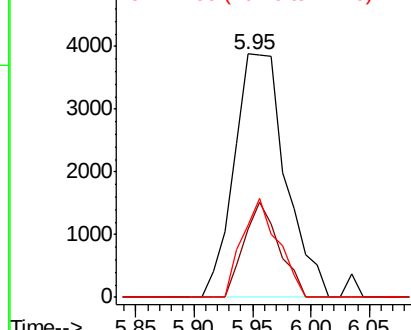
42 100

72 26.6 26.9 40.3#

71 28.3 26.7 40.1



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: 1.356 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.06 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

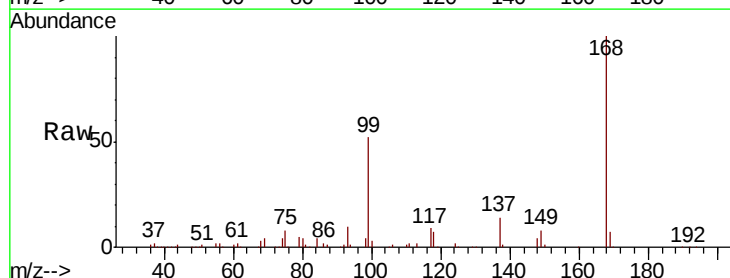
Tgt Ion: 56 Resp: 24342

Ion Ratio Lower Upper

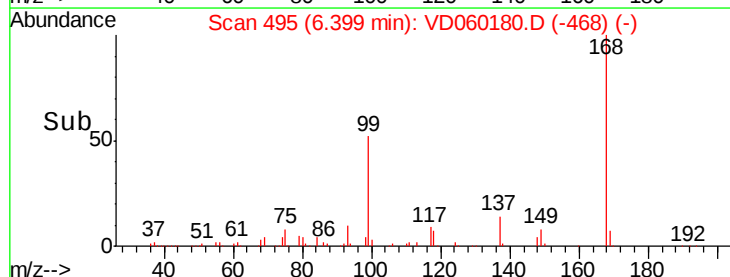
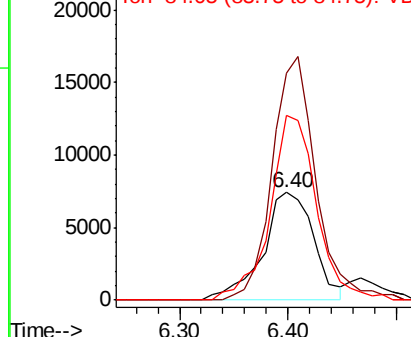
56 100

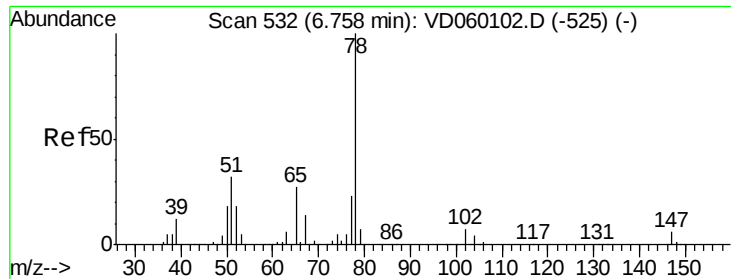
69 211.3 22.8 34.2#

84 171.6 64.9 97.3#



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: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

Instrument :

MSVOA_D

ClientSampleId :

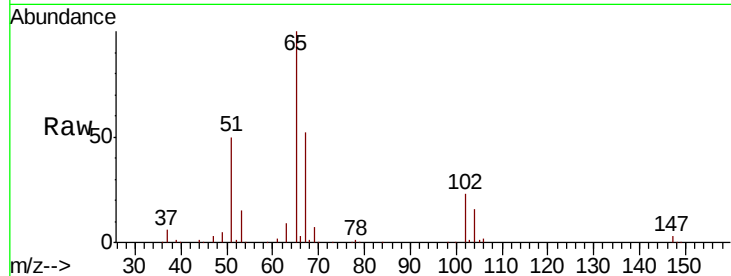
KG-V23608

Tot Ion: 65 Resp: 562266

Ion Ratio Lower Upper

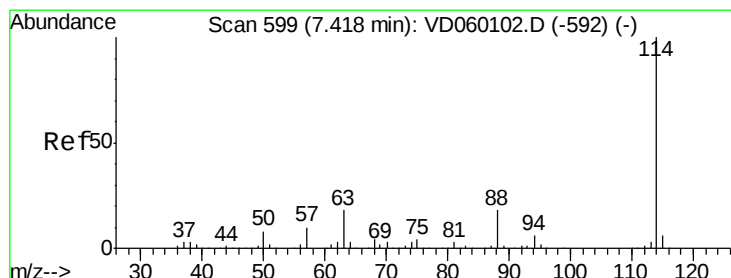
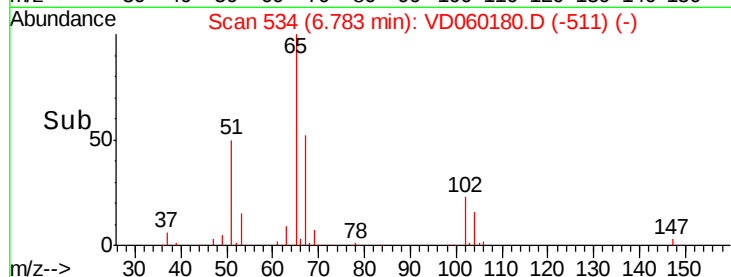
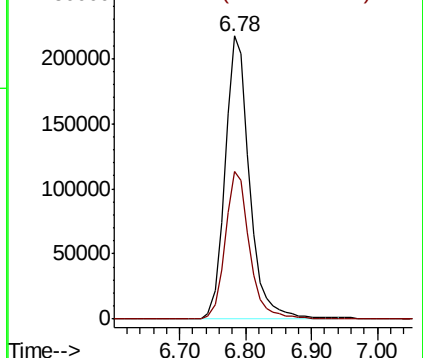
65 100

67 52.0 0.0 106.2



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: 7.44 min Scan# 601

Delta R.T. 0.02 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

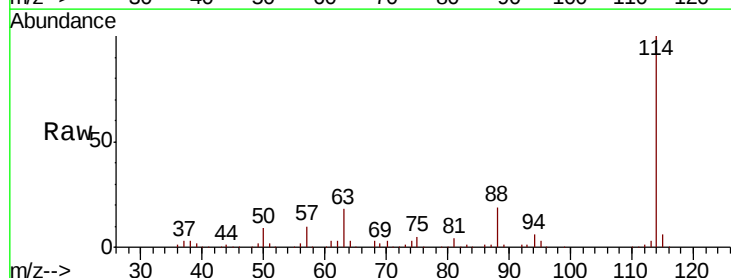
Tgt Ion: 114 Resp: 1747173

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.0

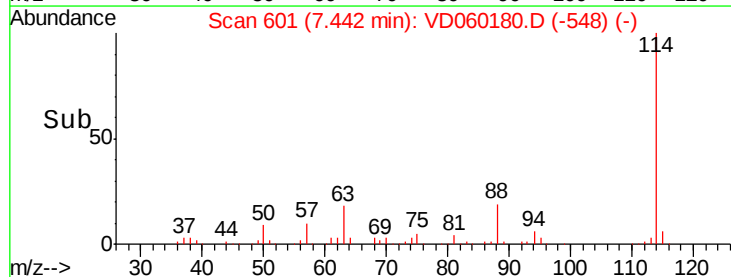
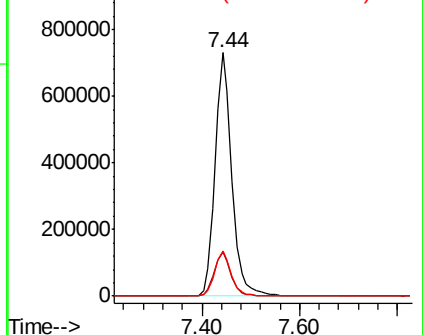
88 18.6 0.0 36.2

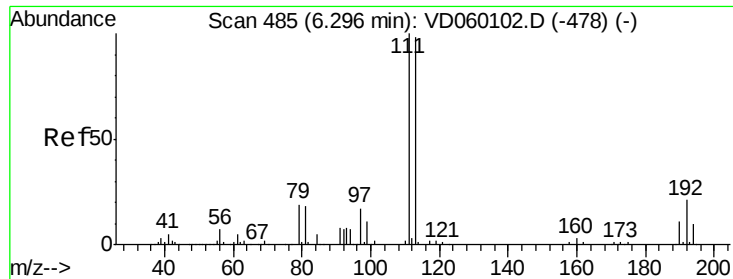


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

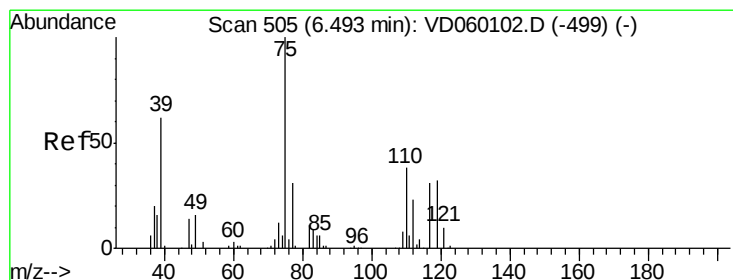
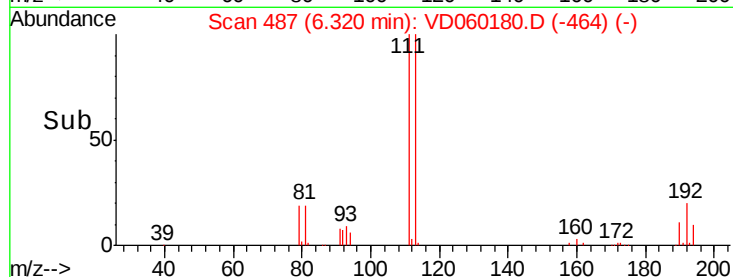
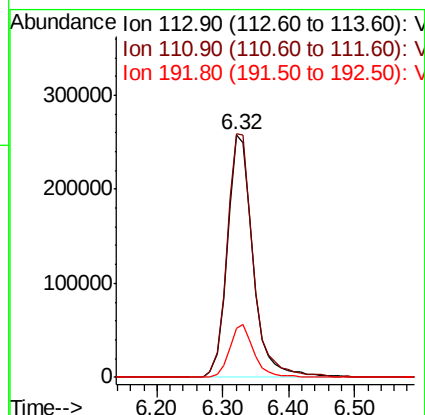
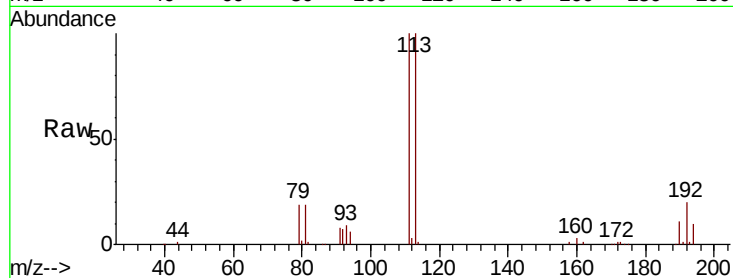




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060180.D
 Acq: 24 Oct 2018 14:25

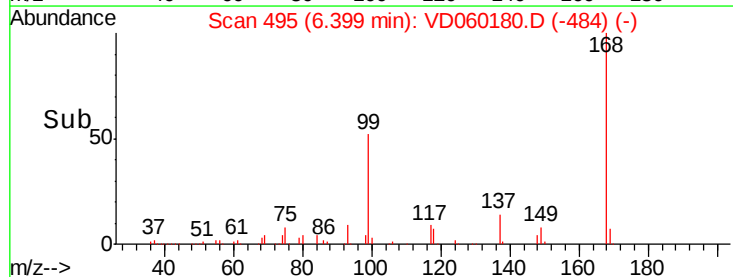
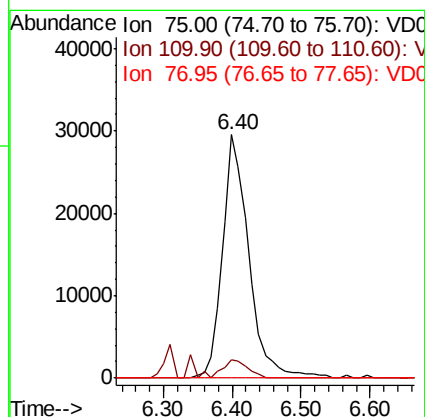
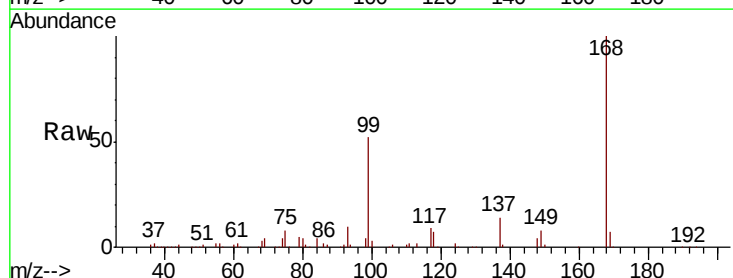
Instrument :
 MSVOA_D
 ClientSampleId :
 KG-V23608

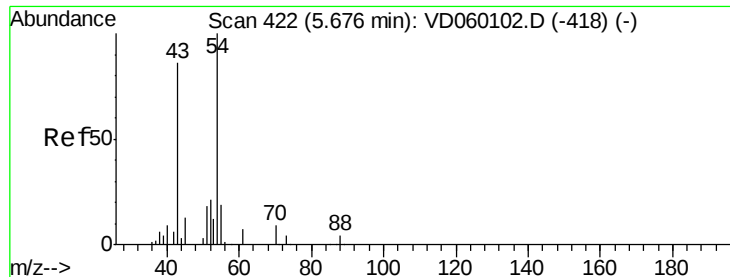
Tot Ion:113 Resp: 700246
 Ion Ratio Lower Upper
 113 100
 111 100.4 81.5 122.3
 192 20.2 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 4.682 ug/l
 RT: 6.40 min Scan# 495
 Delta R.T. -0.09 min
 Lab File: VD060180.D
 Acq: 24 Oct 2018 14:25

Tgt Ion: 75 Resp: 78173
 Ion Ratio Lower Upper
 75 100
 110 7.5 19.0 57.0#
 77 0.0 24.9 37.3#

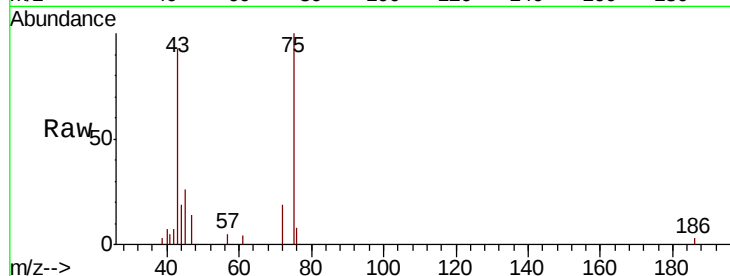




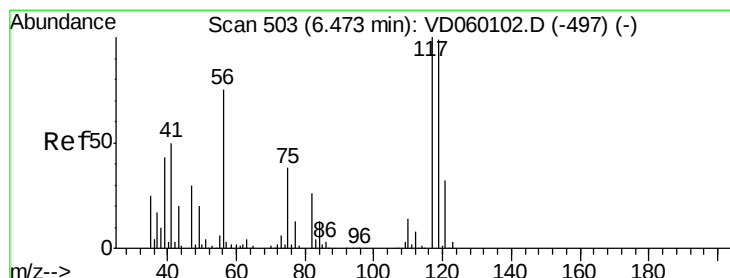
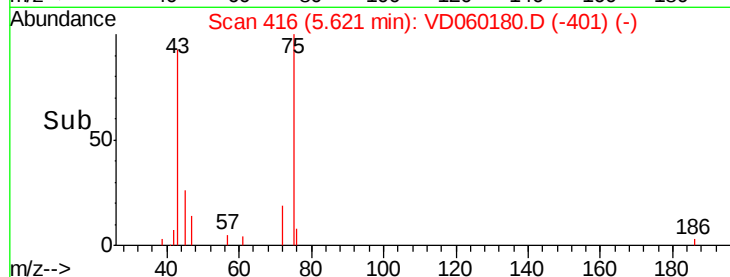
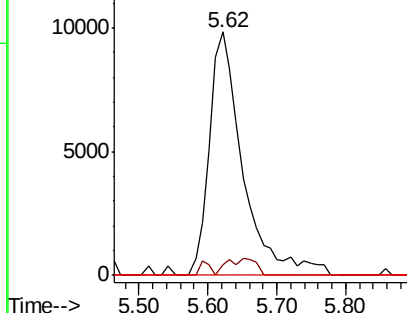
#37
Ethyl Acetate
Concen: 3.006 ug/l
RT: 5.62 min Scan# 416
Delta R.T. -0.05 min
Lab File: VD060180.D
Acq: 24 Oct 2018 14:25

Instrument :
MSVOA_D
ClientSampleId :
KG-V23608

Tot Ion: 43 Resp: 33315
Ion Ratio Lower Upper
43 100
61 4.3 10.5 15.7#
70 0.0 6.3 9.5#

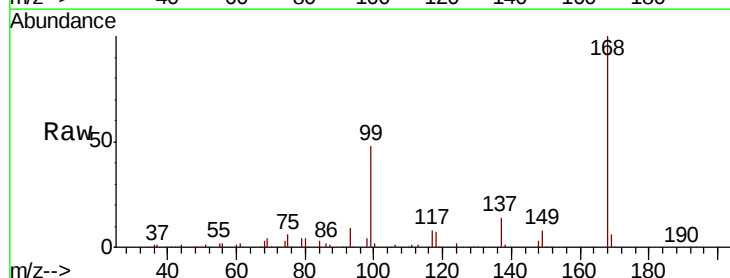


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

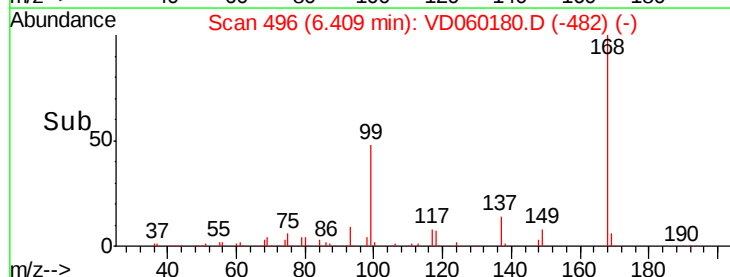
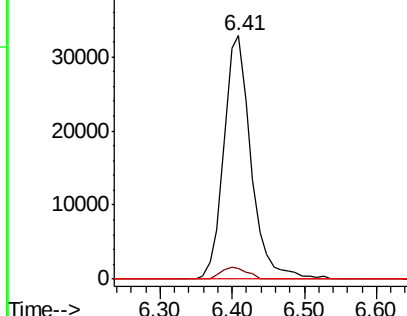


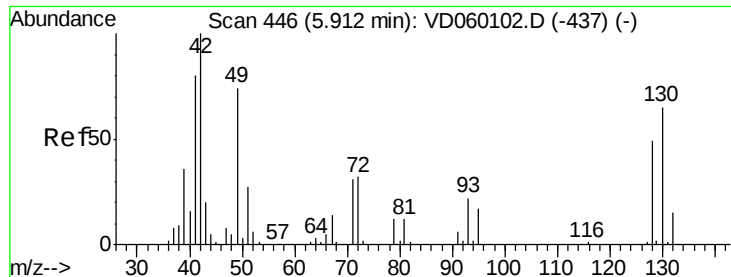
#38
Carbon Tetrachloride
Concen: 5.666 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.06 min
Lab File: VD060180.D
Acq: 24 Oct 2018 14:25

Tgt Ion: 117 Resp: 85854
Ion Ratio Lower Upper
117 100
119 4.2 77.8 116.6#
121 0.0 24.8 37.2#



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





#41

Methacrylonitrile

Concen: 1.196 ug/l

RT: 5.96 min Scan# 450

Delta R.T. 0.04 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

Instrument :

MSVOA_D

ClientSampleId :

KG-V23608

Tot Ion: 41 Resp: 7489

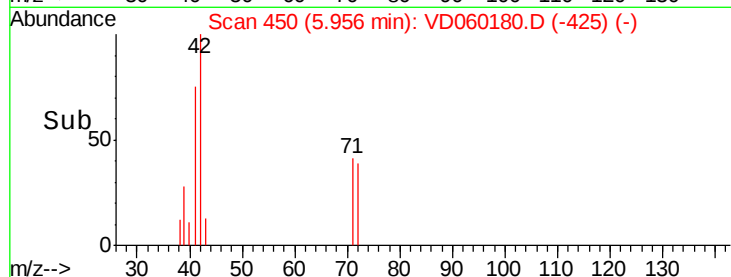
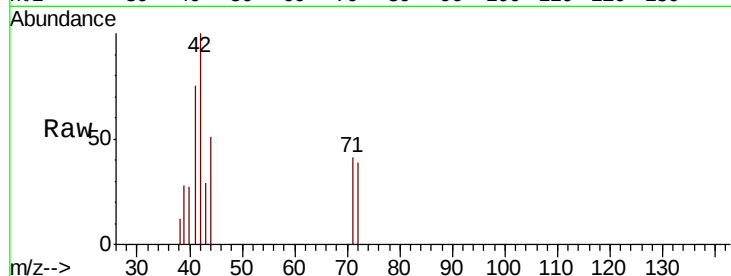
Ion Ratio Lower Upper

41 100

39 37.8 36.0 54.0

67 0.0 13.9 20.9#

52 0.0 6.1 9.1#

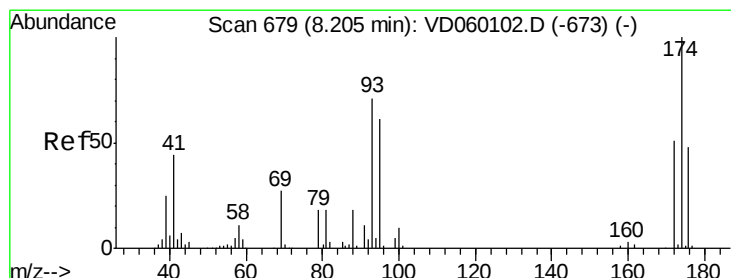
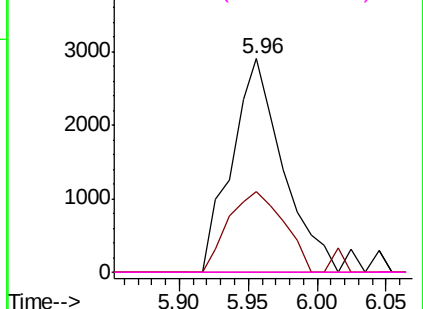


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#49

1,4-Dioxane

Concen: 43.629 ug/l

RT: 8.24 min Scan# 682

Delta R.T. 0.03 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

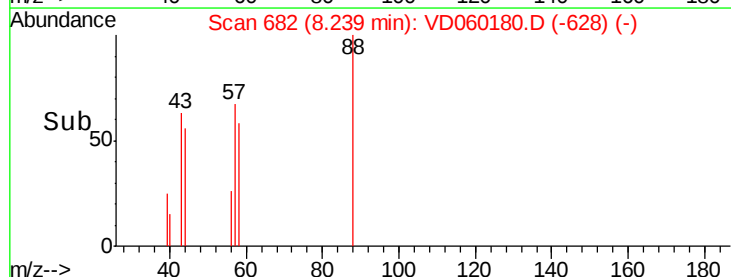
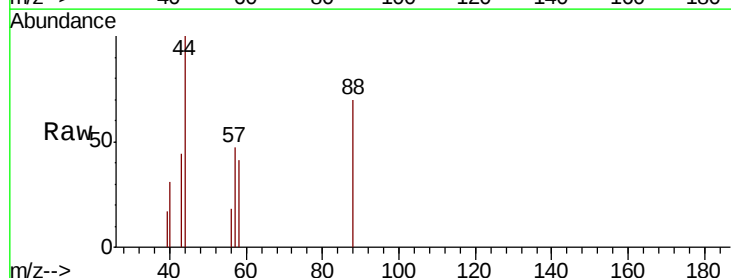
Tgt Ion: 88 Resp: 3565

Ion Ratio Lower Upper

88 100

43 63.5 33.7 50.5#

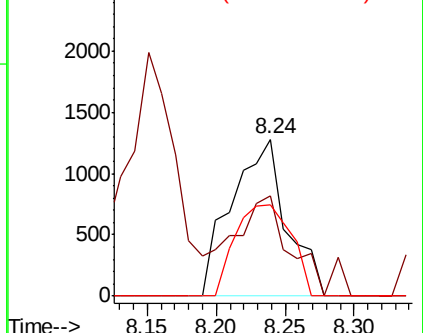
58 58.3 49.1 73.7

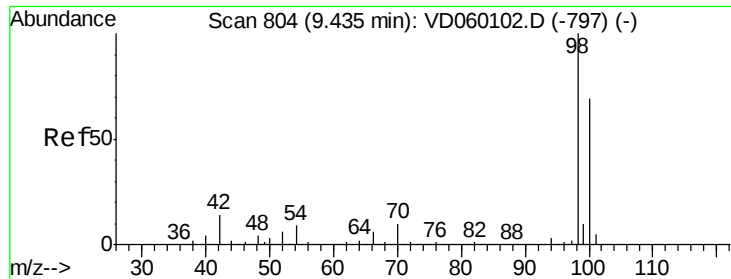


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

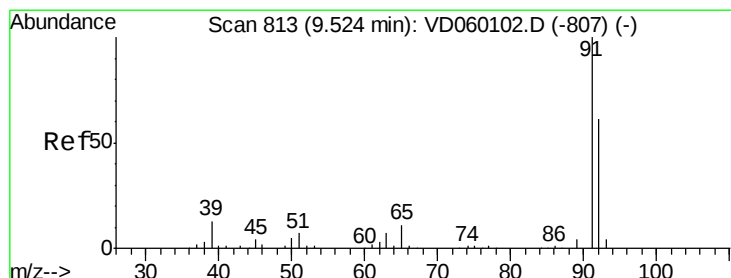
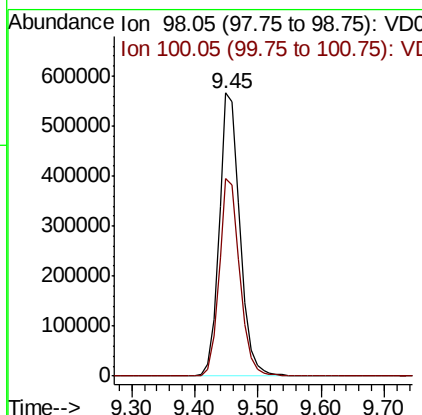
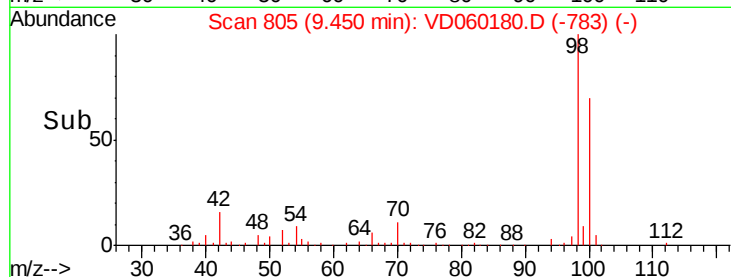
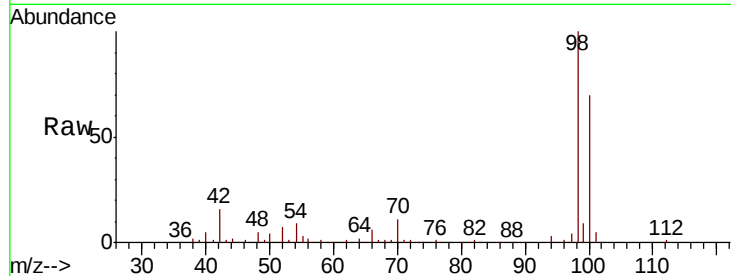




#50
Toluene-d8
Concen: 43.629 ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060180.D
Acq: 24 Oct 2018 14:25

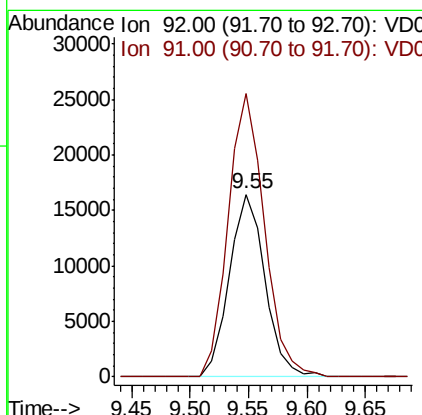
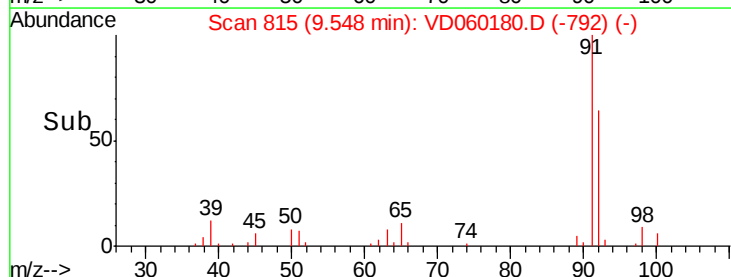
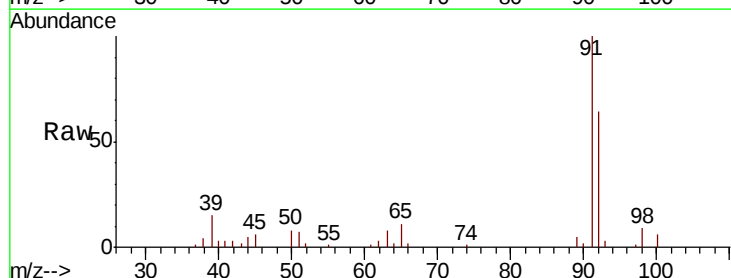
Instrument :
MSVOA_D
ClientSampleId :
KG-V23608

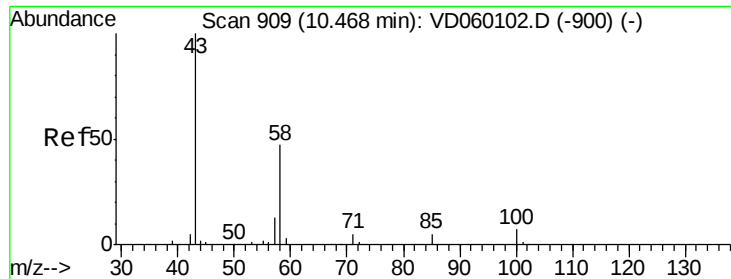
Tot Ion: 98 Resp: 1295777
Ion Ratio Lower Upper
98 100
100 69.9 55.4 83.0



#52
Toluene
Concen: 1.239 ug/l
RT: 9.55 min Scan# 815
Delta R.T. 0.02 min
Lab File: VD060180.D
Acq: 24 Oct 2018 14:25

Tgt Ion: 92 Resp: 34847
Ion Ratio Lower Upper
92 100
91 155.1 131.9 197.9





#59

2-Hexanone

Concen: 4.372 ug/l

RT: 10.44 min Scan# 906

Delta R.T. -0.02 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

Instrument :

MSVOA_D

ClientSampleId :

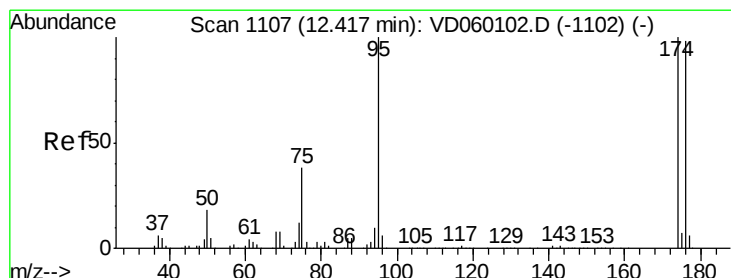
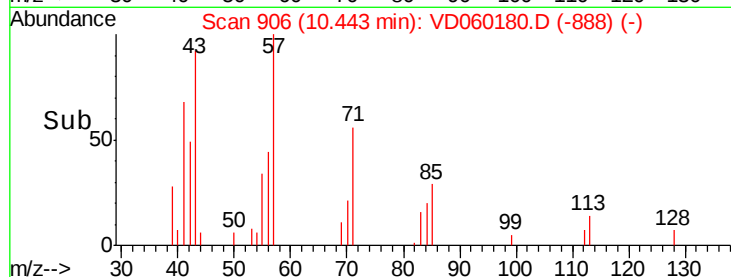
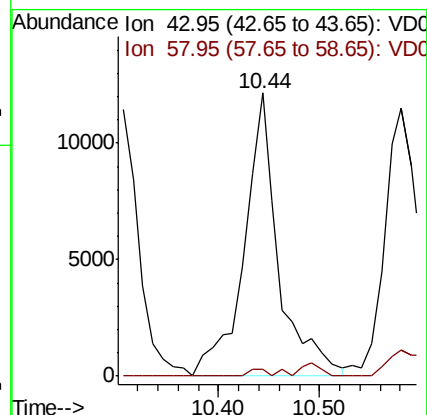
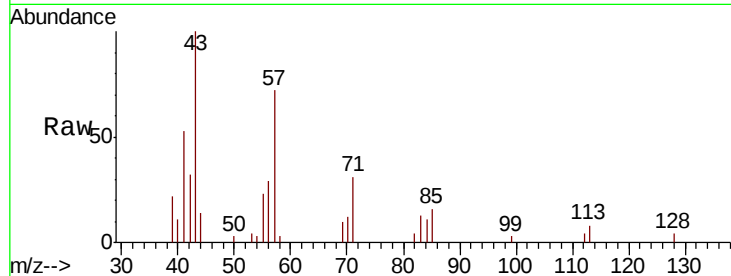
KG-V23608

Tot Ion: 43 Resp: 28908

Ion Ratio Lower Upper

43 100

58 2.5 23.3 69.9#



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.48 min Scan# 1113

Delta R.T. 0.06 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

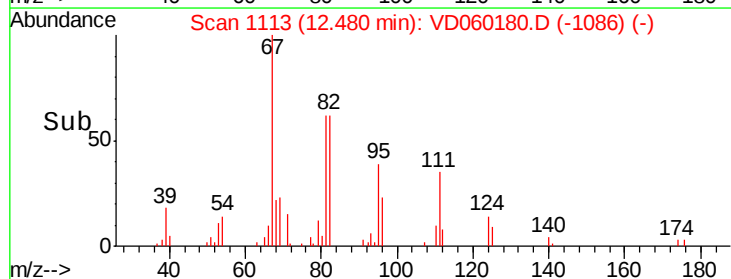
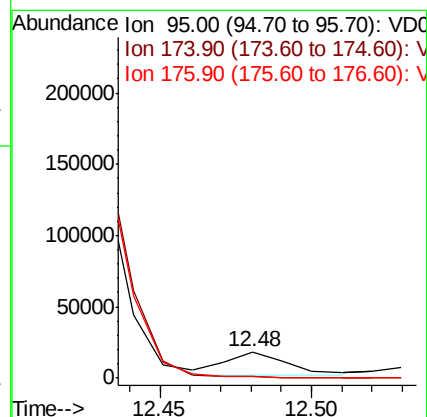
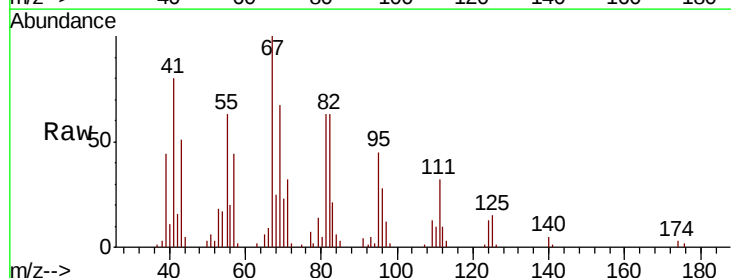
Tgt Ion: 95 Resp: 23235

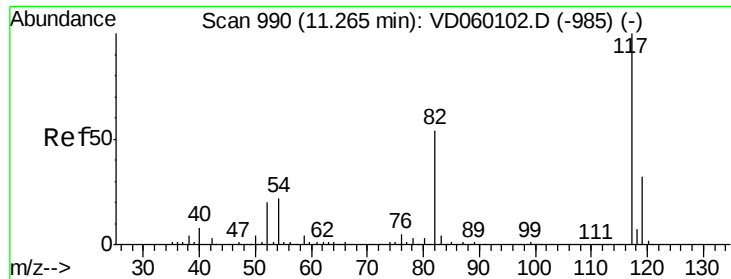
Ion Ratio Lower Upper

95 100

174 6.0 0.0 200.2

176 5.3 0.0 195.6

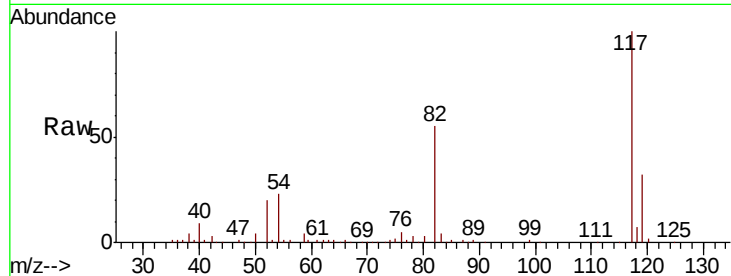




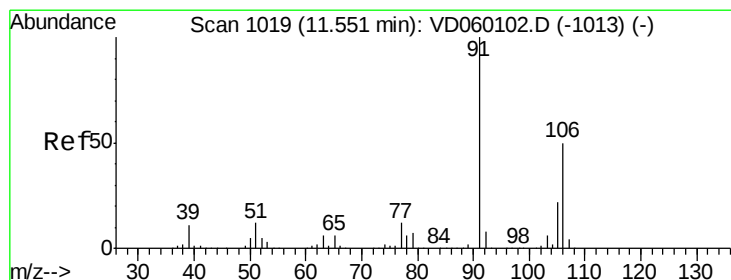
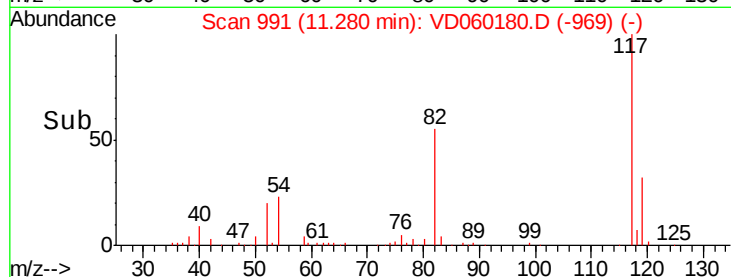
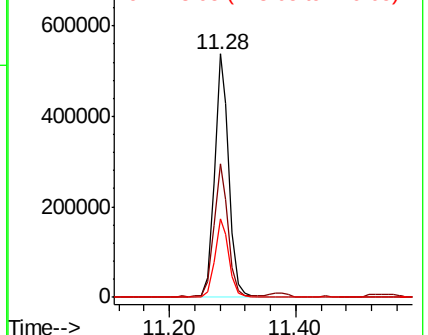
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060180.D
Acq: 24 Oct 2018 14:25

Instrument :
MSVOA_D
ClientSampleId :
KG-V23608

Tot Ion:117 Resp: 861662
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.2
119 32.5 26.0 39.0

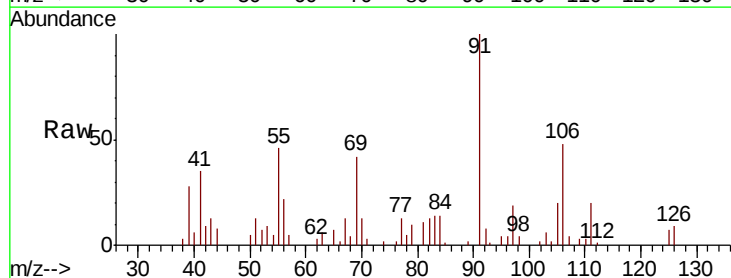


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

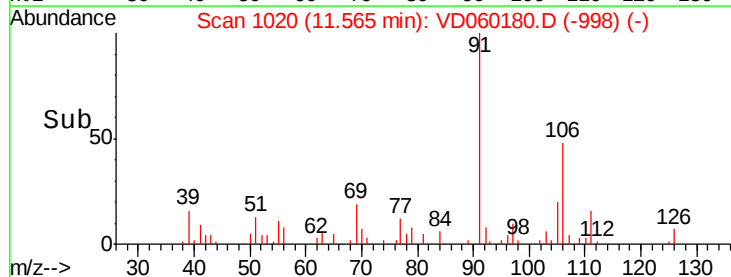
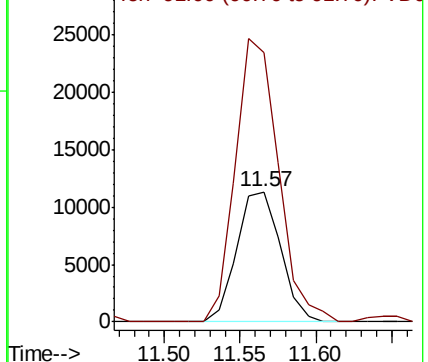


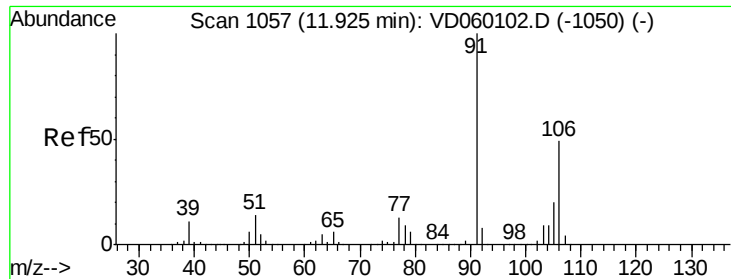
#68
m/p-Xylenes
Concen: 2.007 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060180.D
Acq: 24 Oct 2018 14:25

Tgt Ion:106 Resp: 22652
Ion Ratio Lower Upper
106 100
91 207.9 160.0 240.0



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

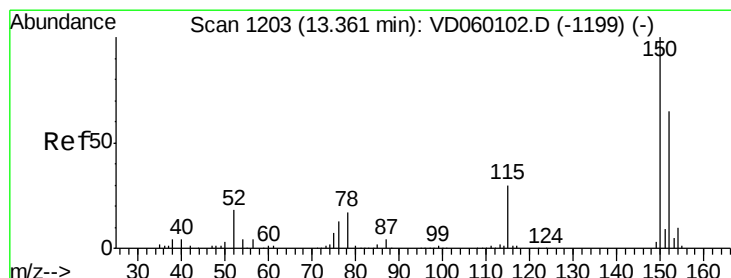
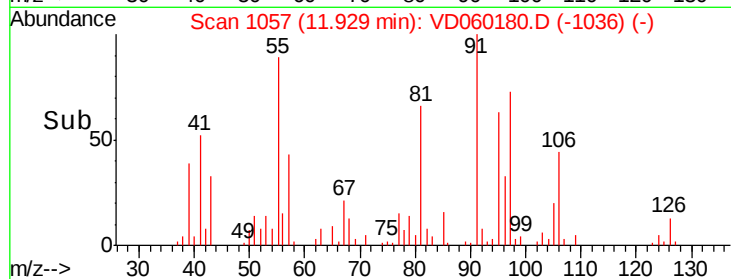
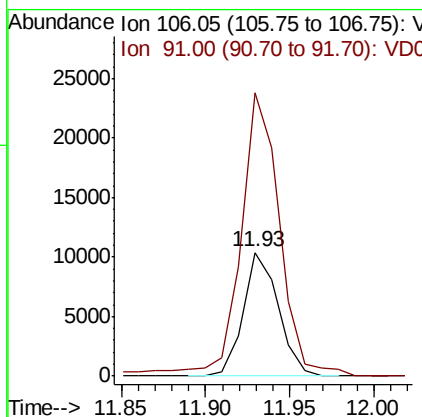
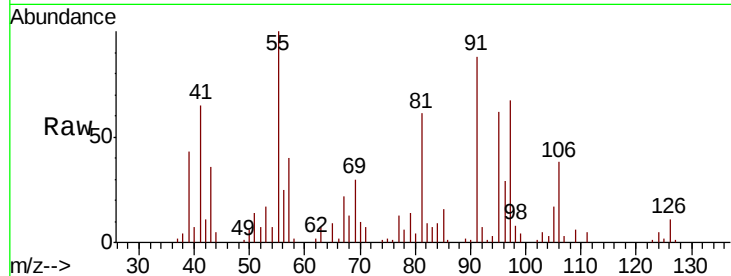




#69
o-Xylene
Concen: 1.337 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060180.D
Acq: 24 Oct 2018 14:25

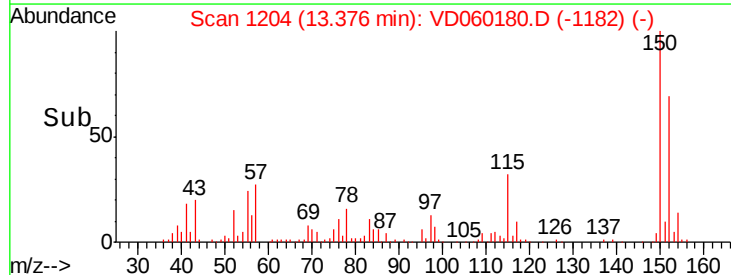
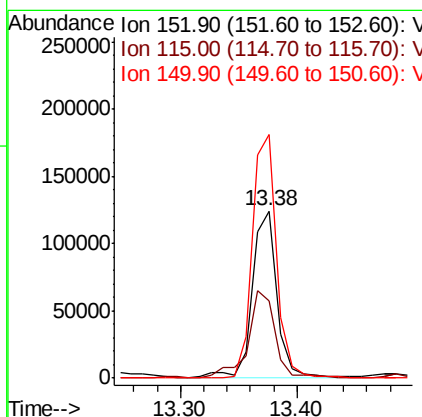
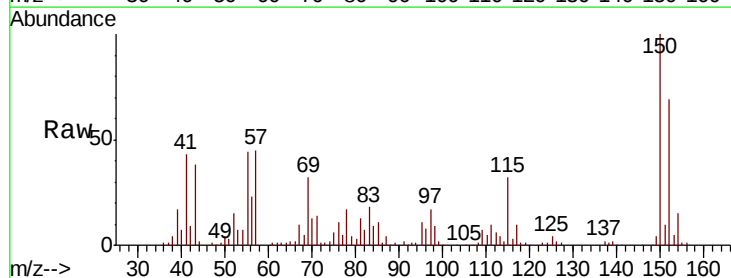
Instrument :
MSVOA_D
ClientSampled :
KG-V23608

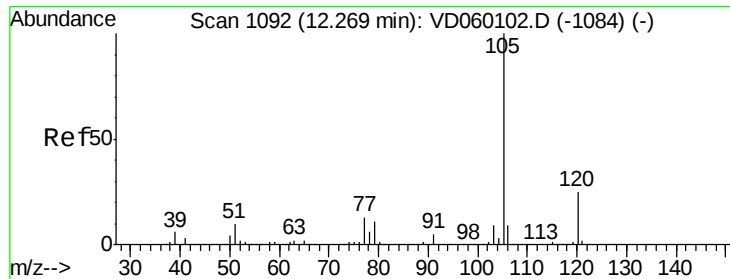
Tot Ion:106 Resp: 14919
Ion Ratio Lower Upper
106 100
91 228.9 102.5 307.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060180.D
Acq: 24 Oct 2018 14:25

Tgt Ion:152 Resp: 180847
Ion Ratio Lower Upper
152 100
115 45.9 27.1 81.2
150 145.8 0.0 311.8





#73

Isopropylbenzene

Concen: 1.395 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

Instrument :

MSVOA_D

ClientSampleId :

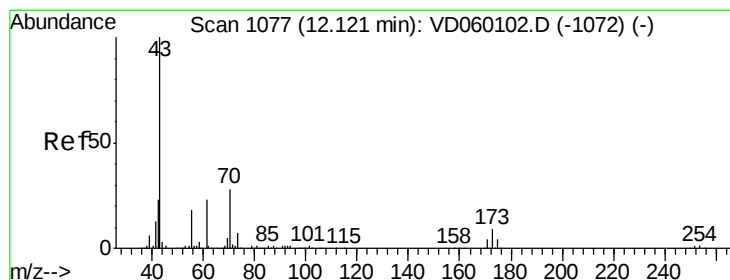
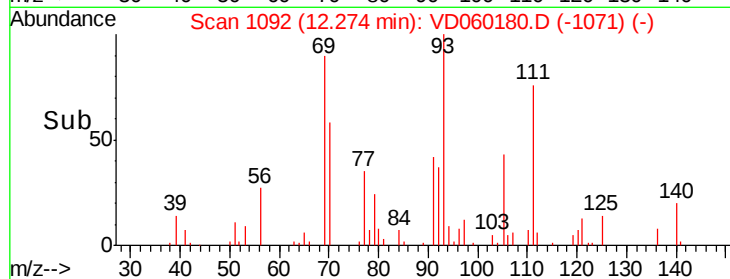
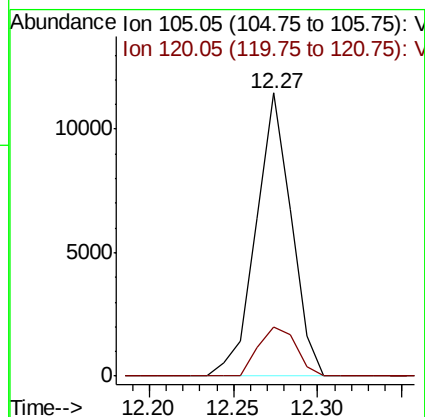
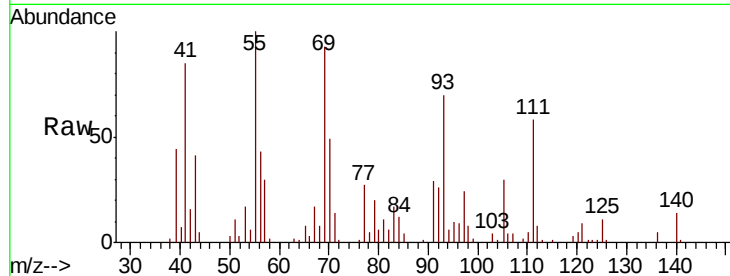
KG-V23608

Tot Ion:105 Resp: 16643

Ion Ratio Lower Upper

105 100

120 17.5 12.6 37.6



#74

N-ethyl acetate

Concen: 18.603 ug/l

RT: 12.09 min Scan# 1073

Delta R.T. -0.03 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

Tgt Ion: 43 Resp: 81298

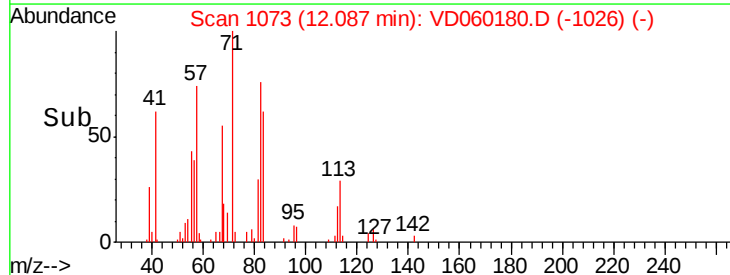
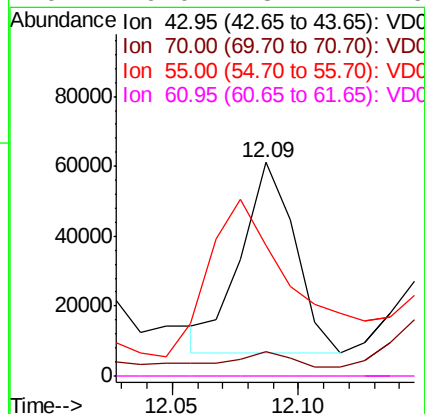
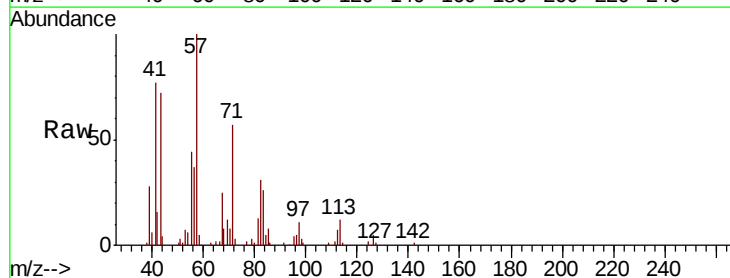
Ion Ratio Lower Upper

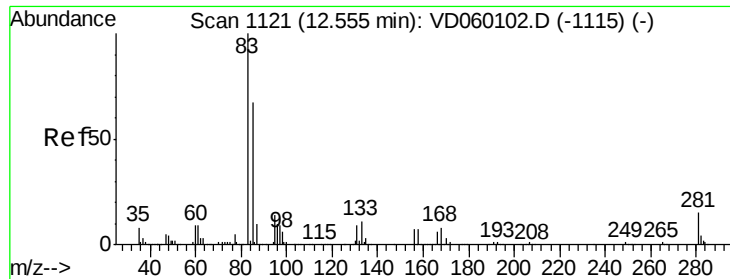
43 100

70 11.3 22.1 33.1#

55 61.1 14.1 21.1#

61 0.0 18.4 27.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 21.704 ug/l

RT: 12.58 min Scan# 1123

Delta R.T. 0.02 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

Instrument :

MSVOA_D

ClientSampled :

KG-V23608

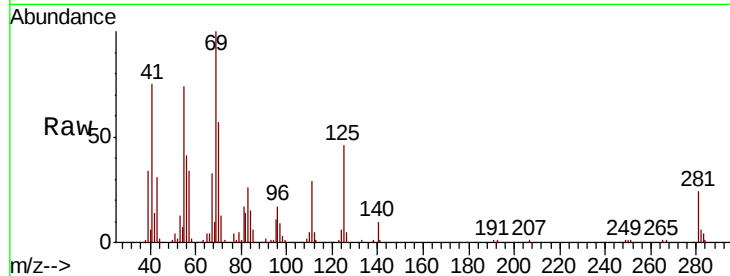
Tot Ion: 83 Resp: 56531

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.4#

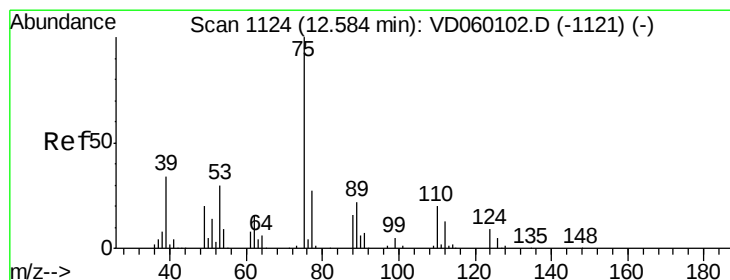
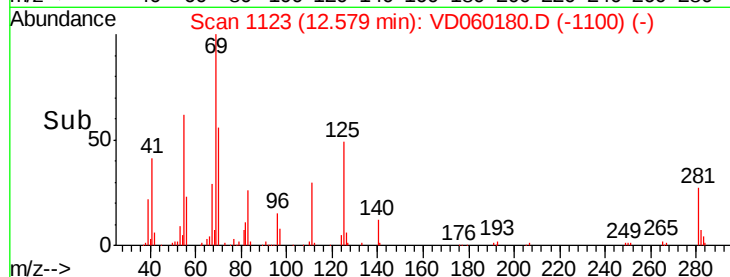
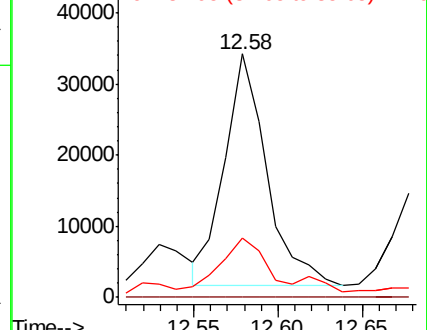
85 24.2 33.3 99.9#



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: 40.304 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.16 min

Lab File: VD060180.D

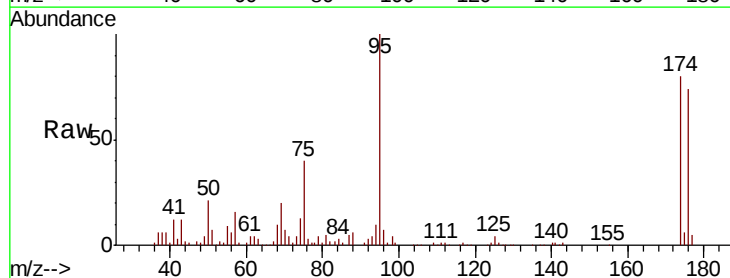
Acq: 24 Oct 2018 14:25

Tgt Ion: 75 Resp: 104969

Ion Ratio Lower Upper

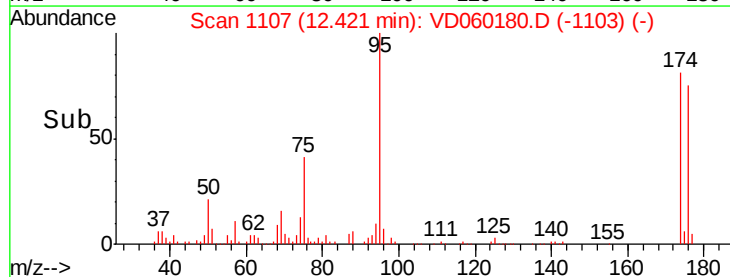
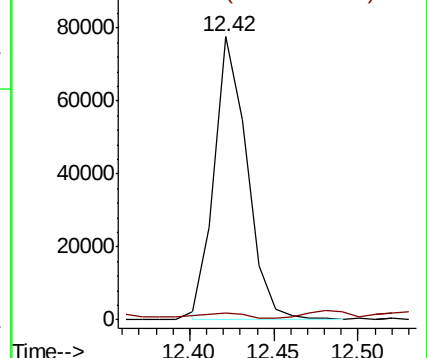
75 100

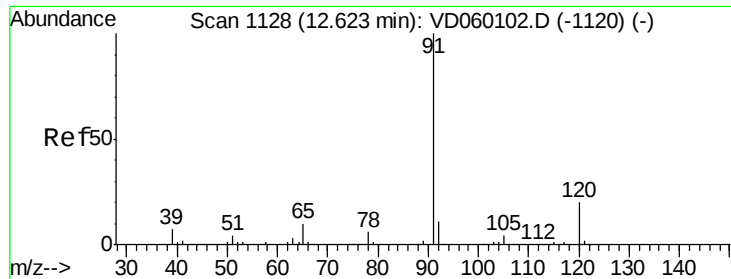
77 2.2 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#78

n-propylbenzene

Concen: 1.070 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

Instrument :

MSVOA_D

ClientSampleId :

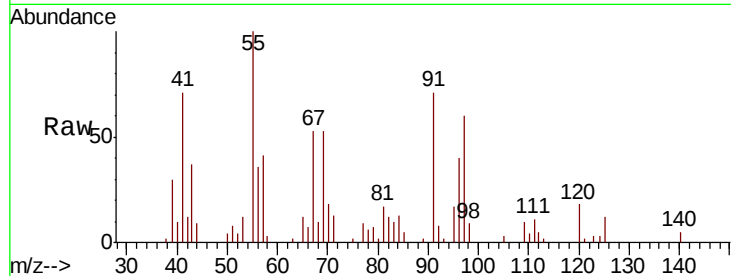
KG-V23608

Tot Ion: 91 Resp: 15853

Ion Ratio Lower Upper

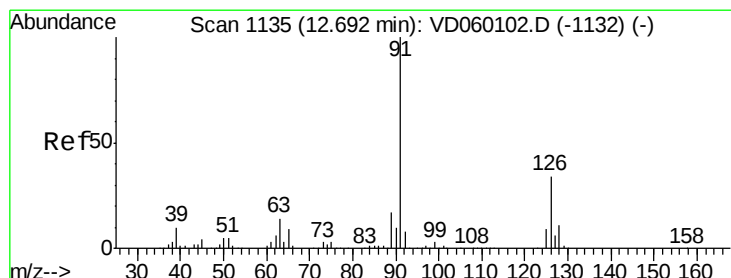
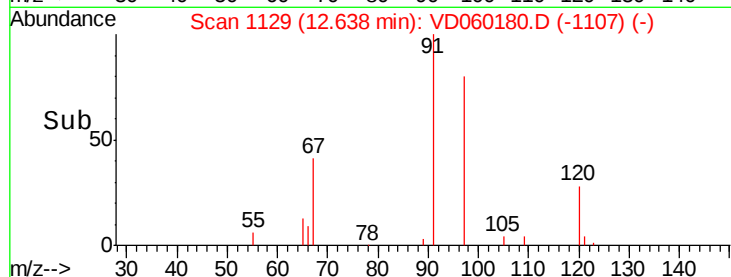
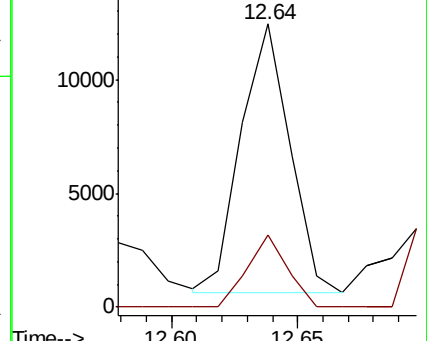
91 100

120 25.5 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): VDC



#79

2-Chlorotoluene

Concen: 1.416 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060180.D

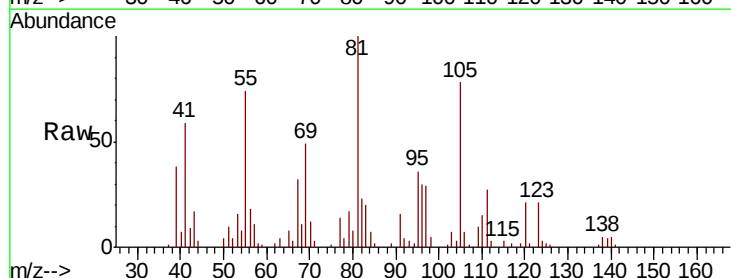
Acq: 24 Oct 2018 14:25

Tgt Ion: 91 Resp: 11646

Ion Ratio Lower Upper

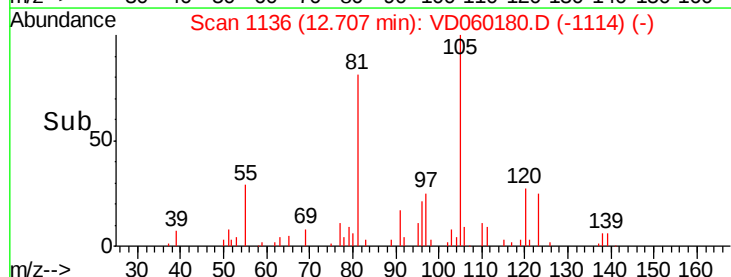
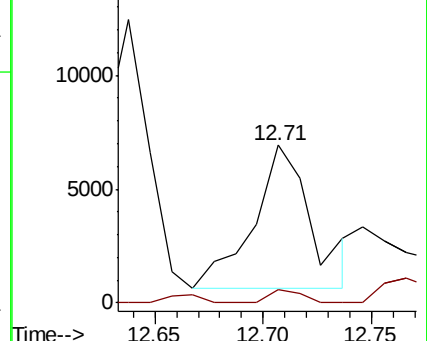
91 100

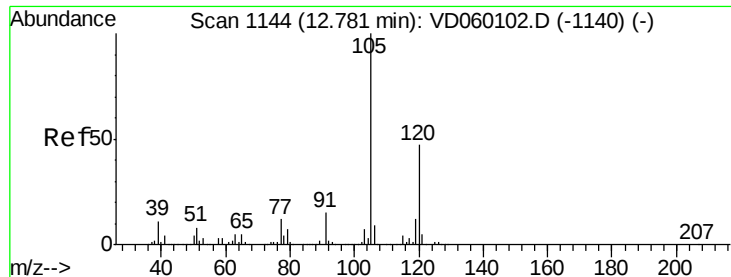
126 8.1 16.8 50.3#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): VDC





#80

1,3,5-Trimethylbenzene

Concen: 3.561 ug/l

RT: 12.80 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

Instrument :

MSVOA_D

ClientSampleId :

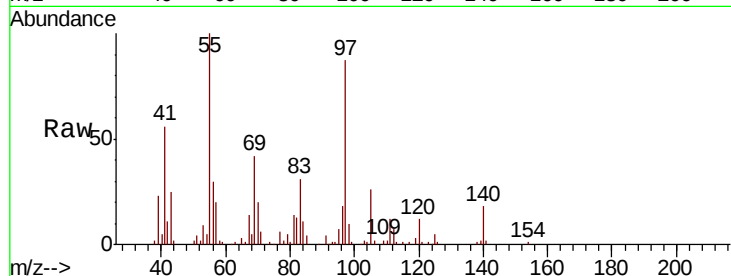
KG-V23608

Tot Ion:105 Resp: 32884

Ion Ratio Lower Upper

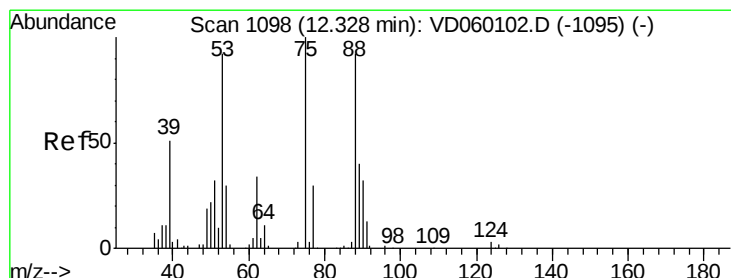
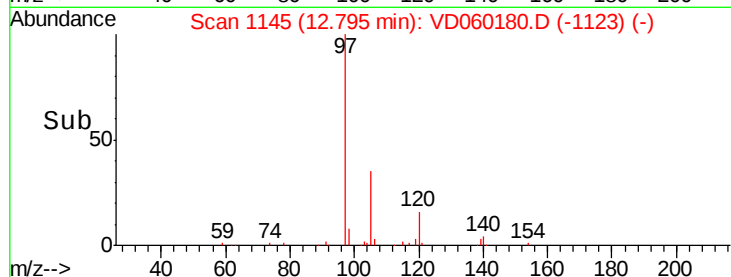
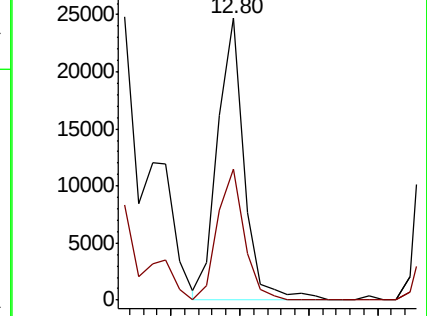
105 100

120 46.3 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#81

trans-1,4-Dichloro-2-butene

Concen: 145.369 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.09 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

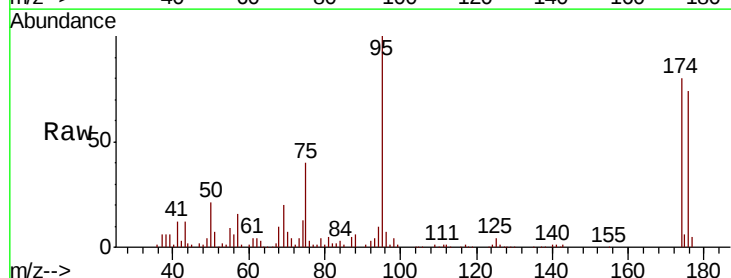
Tgt Ion: 75 Resp: 106382

Ion Ratio Lower Upper

75 100

53 3.8 73.0 109.6#

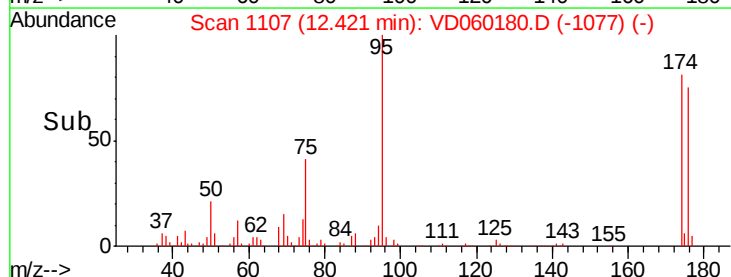
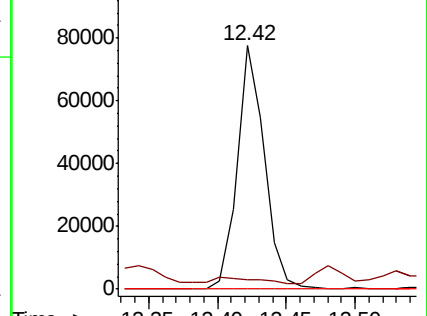
89 0.0 32.0 48.0#

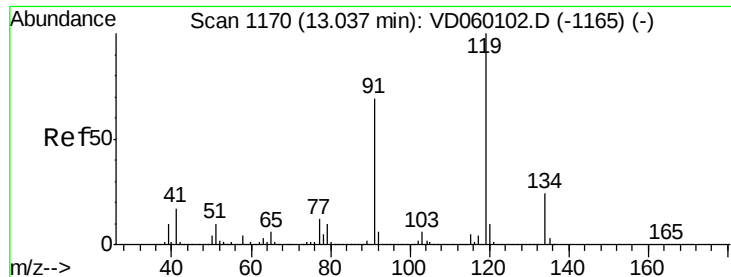


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#83

tert-Butylbenzene

Concen: 1.823 ug/l

RT: 13.04 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

Instrument :

MSVOA_D

ClientSampleId :

KG-V23608

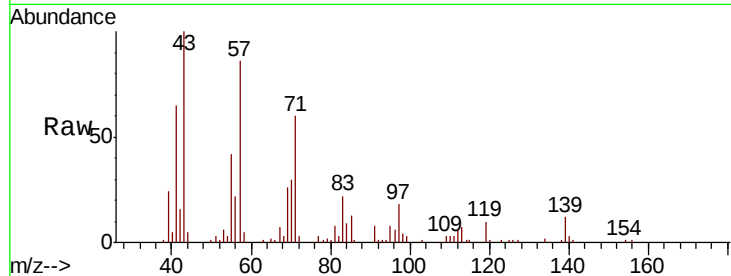
Tot Ion:119 Resp: 19312

Ion Ratio Lower Upper

119 100

91 82.5 34.8 104.4

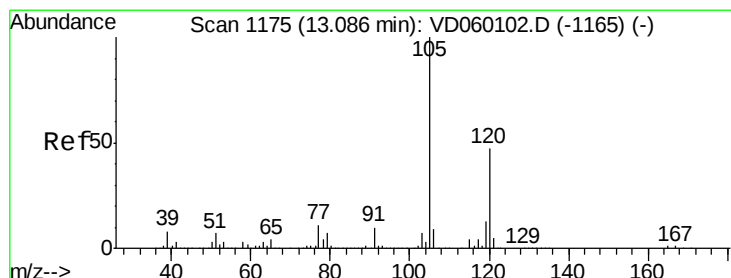
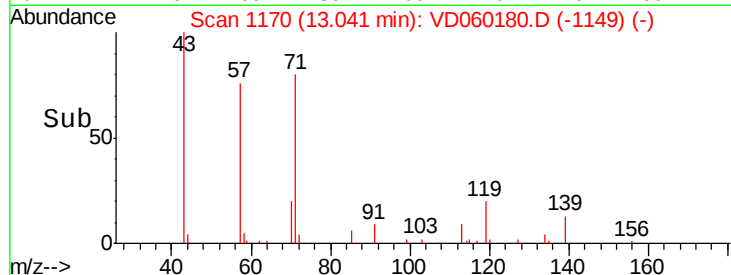
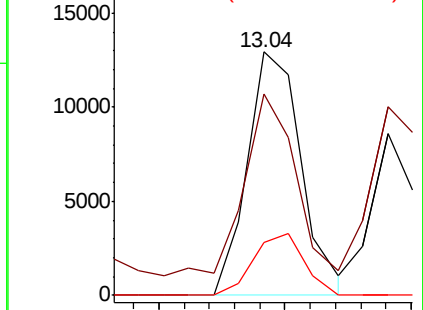
134 21.8 11.8 35.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 10.599 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VD060180.D

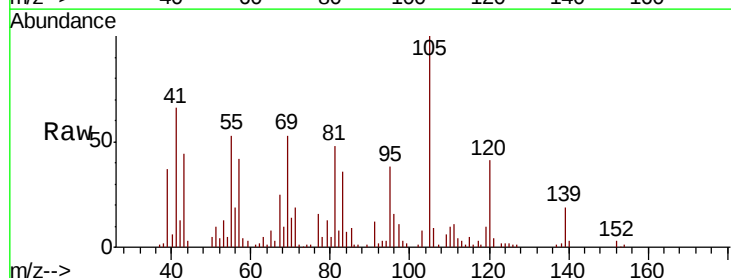
Acq: 24 Oct 2018 14:25

Tgt Ion:105 Resp: 103152

Ion Ratio Lower Upper

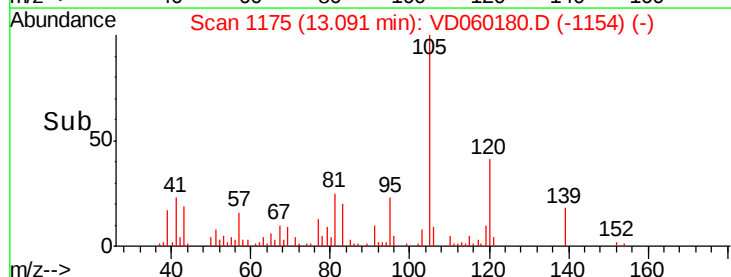
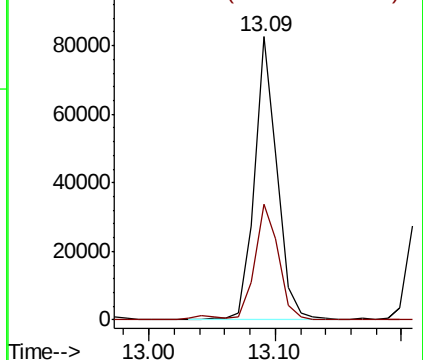
105 100

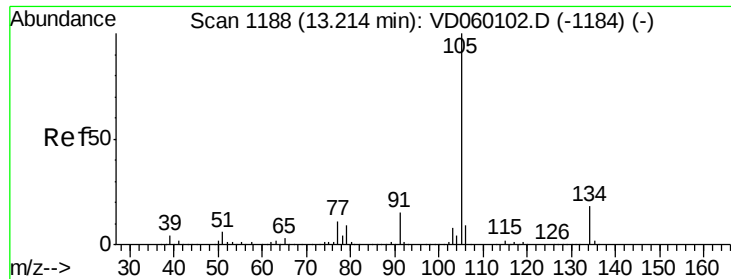
120 41.0 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

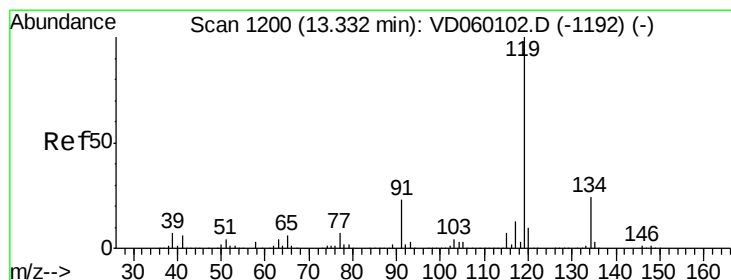
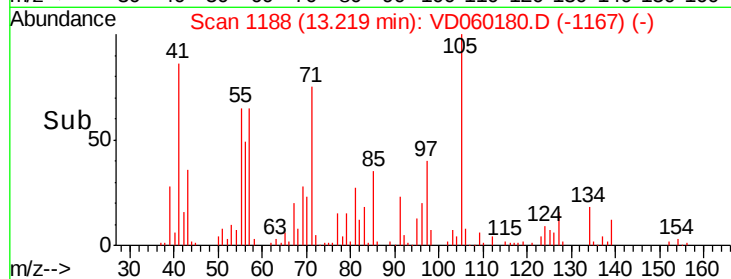
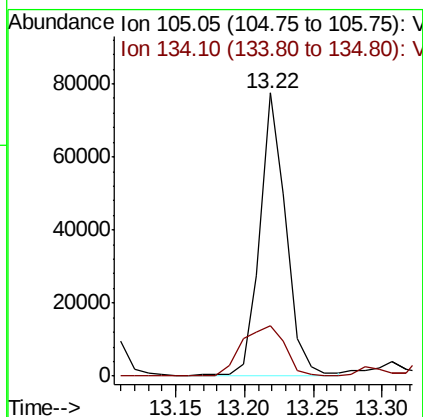
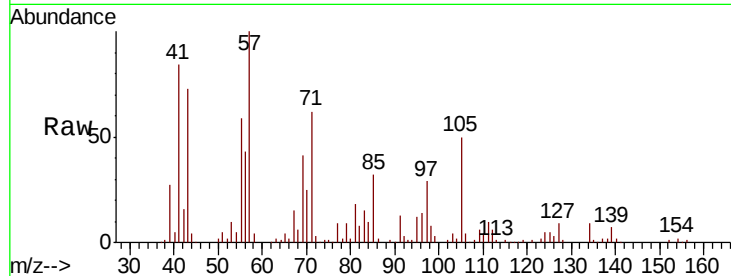




#85
 sec-Butylbenzene
 Concen: 8.203 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD060180.D
 Acq: 24 Oct 2018 14:25

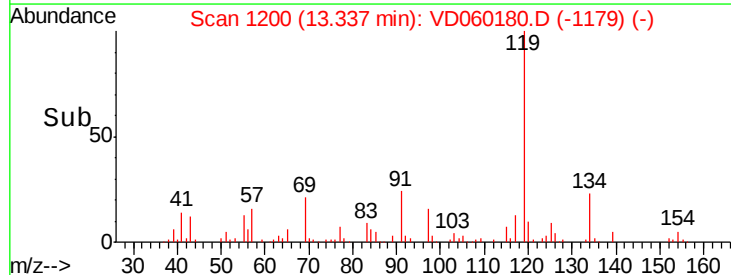
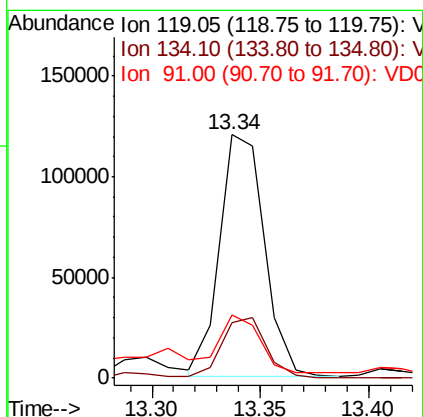
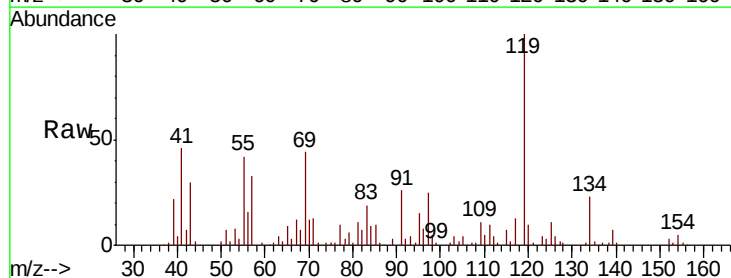
Instrument :
 MSVOA_D
 ClientSampleID :
 KG-V23608

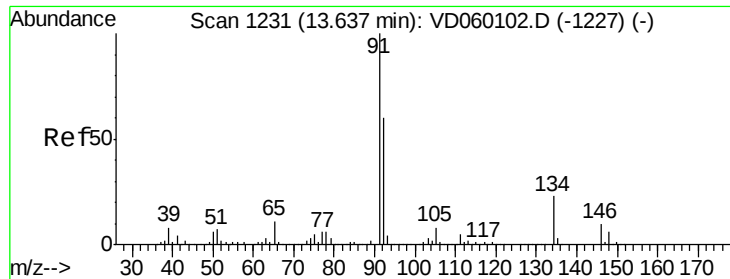
Tot Ion:105 Resp: 102774
 Ion Ratio Lower Upper
 105 100
 134 17.9 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 16.720 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VD060180.D
 Acq: 24 Oct 2018 14:25

Tgt Ion:119 Resp: 171814
 Ion Ratio Lower Upper
 119 100
 134 23.0 12.3 36.8
 91 25.7 11.8 35.4





#89

n-Butylbenzene

Concen: 8.964 ug/l

RT: 13.65 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

Instrument :

MSVOA_D

ClientSampleId :

KG-V23608

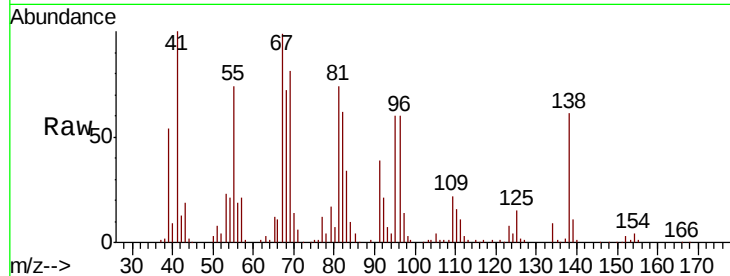
Tot Ion: 91 Resp: 89881

Ion Ratio Lower Upper

91 100

92 53.5 30.1 90.3

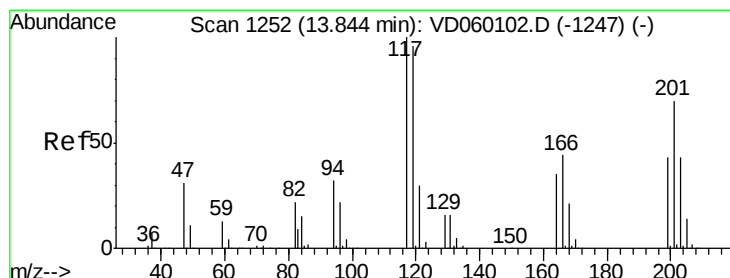
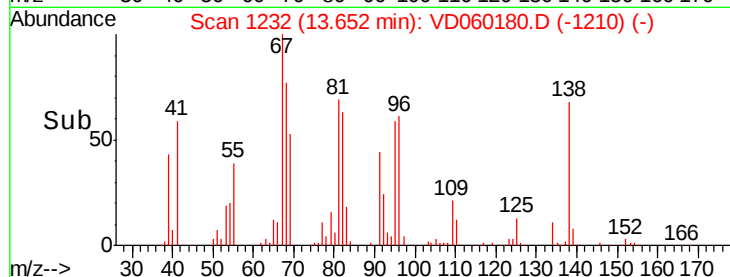
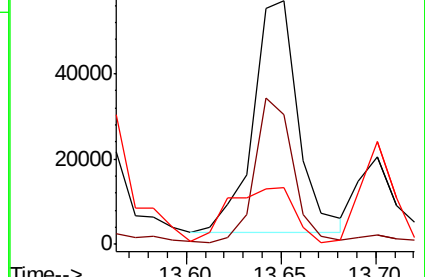
134 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 21.080 ug/l

RT: 13.90 min Scan# 1257

Delta R.T. 0.05 min

Lab File: VD060180.D

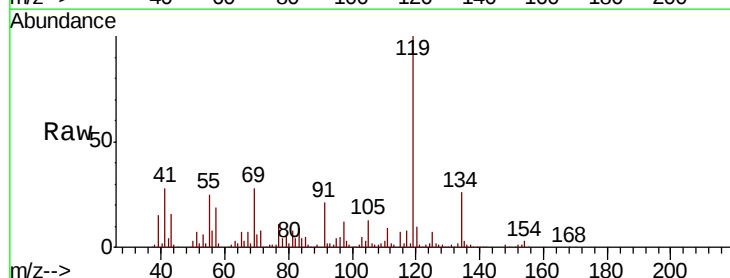
Acq: 24 Oct 2018 14:25

Tgt Ion: 117 Resp: 50134

Ion Ratio Lower Upper

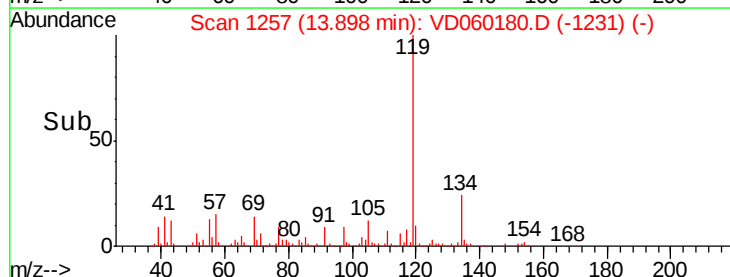
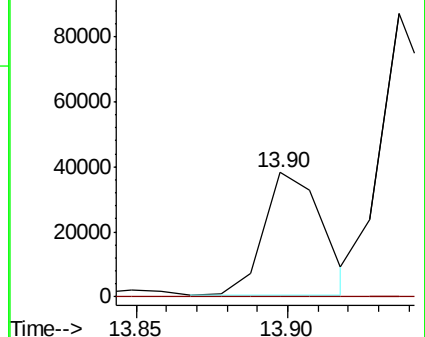
117 100

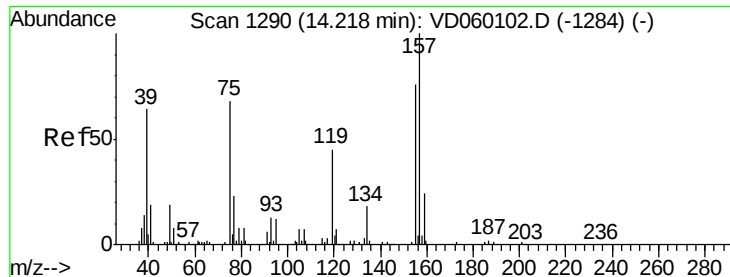
201 0.0 34.8 104.5#



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: 18.483 ug/l

RT: 14.18 min Scan# 1286

Delta R.T. -0.03 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

Instrument :

MSVOA_D

ClientSampleId :

KG-V23608

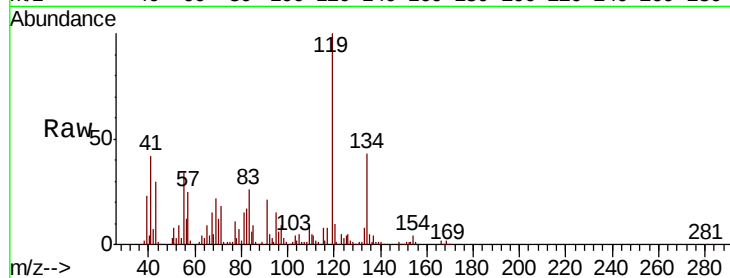
Tot Ion: 75 Resp: 6428

Ion Ratio Lower Upper

75 100

155 79.4 55.9 167.7

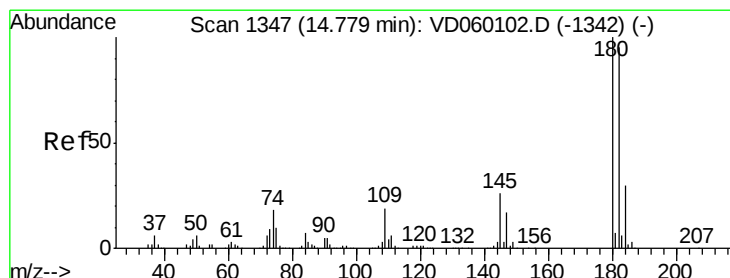
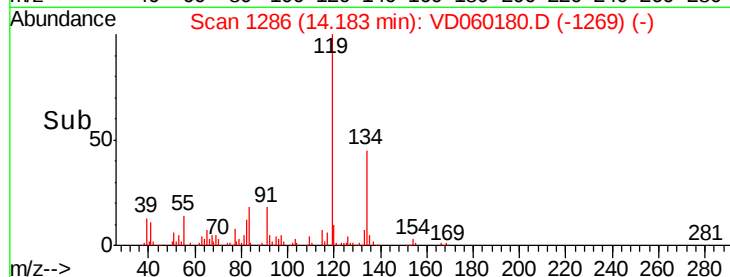
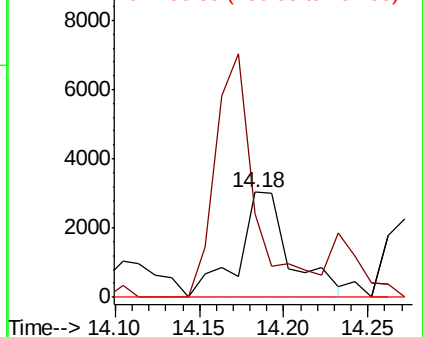
157 0.0 73.3 219.8#



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



#93

1,2,4-Trichlorobenzene

Concen: 2.826 ug/l

RT: 14.79 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

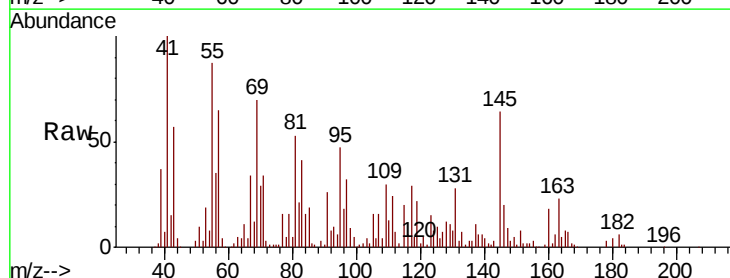
Tgt Ion: 180 Resp: 12181

Ion Ratio Lower Upper

180 100

182 160.0 47.3 141.8#

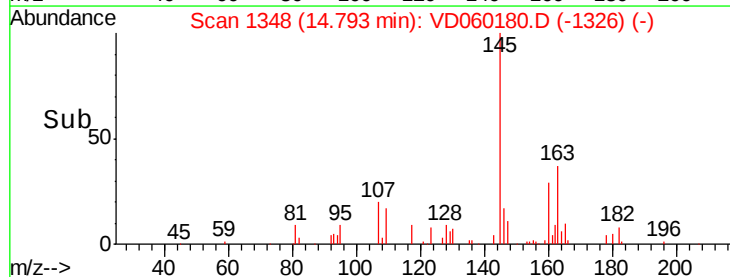
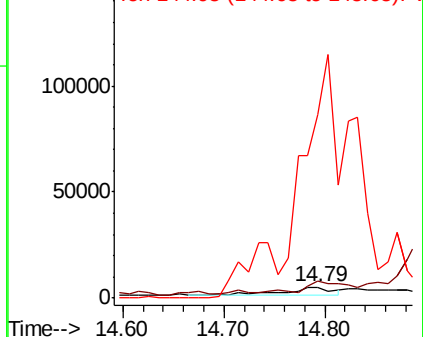
145 1669.6 13.0 38.9#

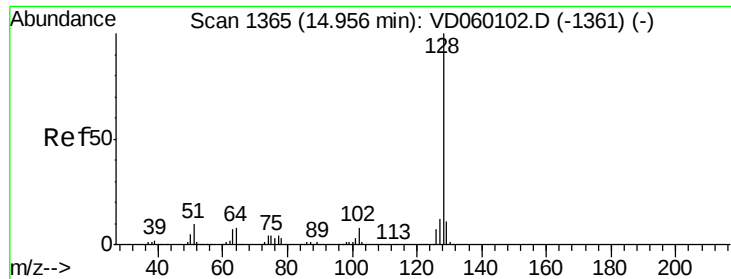


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95

Naphthalene

Concen: 10.097 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

Instrument :

MSVOA_D

ClientSampleId :

KG-V23608

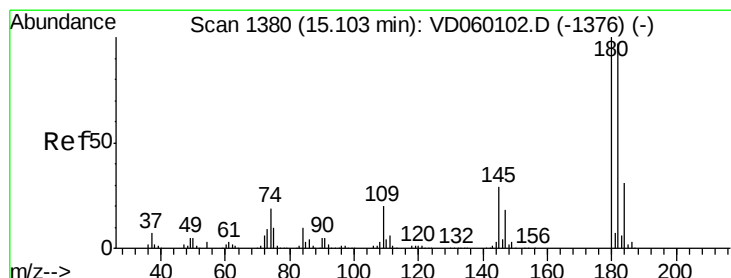
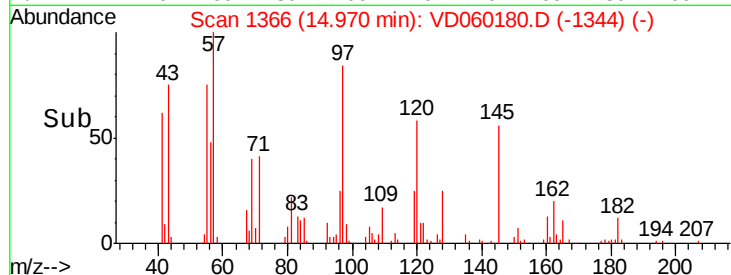
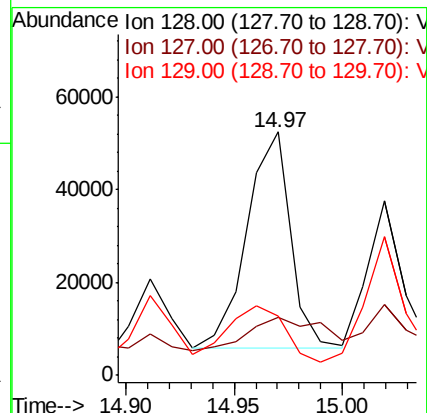
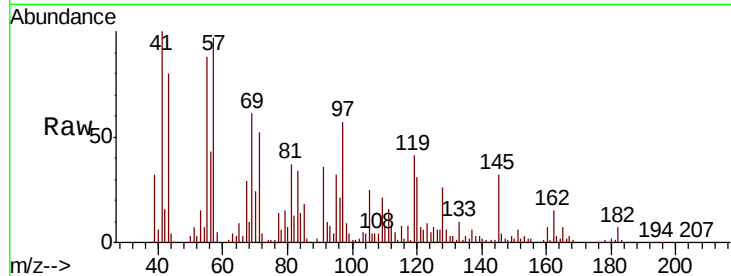
Tot Ion:128 Resp: 64523

Ion Ratio Lower Upper

128 100

127 23.6 9.9 14.9#

129 24.5 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 4.446 ug/l

RT: 15.10 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD060180.D

Acq: 24 Oct 2018 14:25

Tgt Ion:180 Resp: 16675

Ion Ratio Lower Upper

180 100

182 25.9 48.4 145.0#

145 781.9 14.5 43.6#

