

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
 Data File : VD046814.D
 Acq On : 21 Sep 2015 18:26
 Operator : FY/SY
 Sample : G3748-04
 Misc : 10.23qm/5mL/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MGP205-10-12

Quant Time: Sep 22 01:05:57 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.29	168	110642	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	165803	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.57	117	124037	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.91	152	41038	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.71	65	63883	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	
35) Dibromofluoromethane	6.19	113	68129	52.52	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.04%	
50) Toluene-d8	9.60	98	198474	48.50	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.00%	
62) 4-Bromofluorobenzene	12.84	95	57533	34.91	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	69.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.41	85	925	Below Cal		78
3) Chlorodifluoromethane	1.44	51	396	Below Cal	#	80
6) Bromomethane	1.96	94	42	Below Cal	#	52
11) Methyl Iodide	3.04	142	35	1.76	ug/l #	35
12) Tert butyl alcohol	3.67	59	75	Below Cal	#	74
14) Acrolein	2.79	56	62	1.05	ug/l #	10
17) Acetone	2.94	43	10866	55.90	ug/l #	83
18) Carbon Disulfide	3.12	76	158177	47.64	ug/l	100
21) Methylene Chloride	3.49	84	1912	1.81	ug/l	97
24) Vinyl Acetate	4.58	43	651	15.86	ug/l #	82
26) 2-Butanone	5.43	43	2667	12.21	ug/l	99
31) Cyclohexane	6.26	56	7744	4.48	ug/l #	86
36) 1,1-Dichloropropene	6.29	75	9890	5.10	ug/l #	53
38) Carbon Tetrachloride	6.29	117	10807	5.37	ug/l #	15
39) Methylcyclohexane	8.07	83	60168	30.65	ug/l	100
40) Benzene	6.72	78	9682216	1957.44	ug/l	98
42) 1,2-Dichloroethane	6.71	62	110127	71.68	ug/l	78
43) Isopropyl Acetate	8.44	43	3483	4.25	ug/l #	51
48) Methyl methacrylate	8.07	41	45687	36.42	ug/l #	87
49) 1,4-Dioxane	8.17	88	30	6.47	ug/l #	1
51) 4-Methyl-2-Pentanone	9.42	43	1726	2.91	ug/l #	47
52) Toluene	9.70	92	1328750	435.49	ug/l	97
55) 1,1,2-Trichloroethane	10.31	97	58632	74.22	ug/l #	17
56) Ethyl methacrylate	10.15	69	56600	67.59	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.07	63	316	7.12	ug/l	94
59) 2-Hexanone	10.65	43	189909	443.39	ug/l #	41
67) Ethyl Benzene	11.72	91	10852713	2069.02	ug/l #	83
68) m/p-Xylenes	11.87	106	2992608	1808.88	ug/l	92
69) o-Xylene	12.29	106	2726412	1830.70	ug/l	86
70) Styrene	12.29	104	186682	72.30	ug/l #	1
73) Isopropylbenzene	12.66	105	1525702	527.40	ug/l	97
74) N-amyl acetate	12.56	43	174173	221.56	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	13.01	83	16505	35.35	ug/l #	39
76) 1,2,3-Trichloropropane	13.06	75	4898	9.81	ug/l #	1

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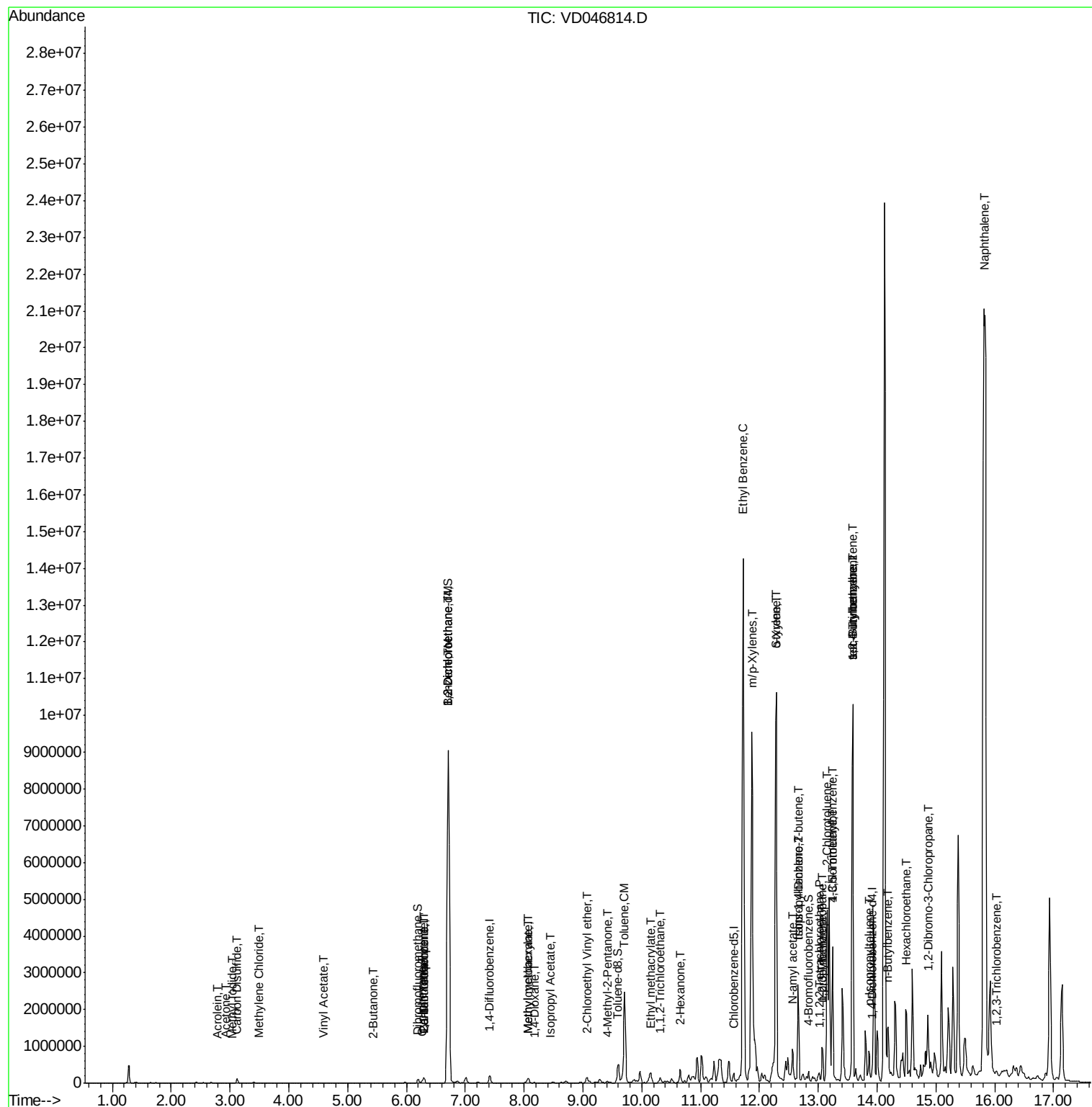
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) n-propylbenzene	13.06	91	774513	189.59	ug/l	96
79) 2-Chlorotoluene	13.15	91	436622	192.51	ug/l #	50
80) 1,3,5-Trimethylbenzene	13.24	105	1772009	768.68	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.66	75	21304	147.09	ug/l #	45
82) 4-Chlorotoluene	13.24	91	219873	81.45	ug/l #	47
83) tert-Butylbenzene	13.59	119	635052	305.51	ug/l #	74
84) 1,2,4-Trimethylbenzene	13.59	105	5325752	2294.99	ug/l	94
85) sec-Butylbenzene	13.59	105	5259643	1721.62	ug/l #	56
86) p-Isopropyltoluene	13.86	119	358982	149.49	ug/l	92
89) n-Butylbenzene	14.19	91	248574	91.69	ug/l #	1
90) Hexachloroethane	14.49	117	128846	231.46	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.87	75	17724	295.41	ug/l #	1
95) Naphthalene	15.83	128	24830305	27216.25	ug/l #	65
96) 1,2,3-Trichlorobenzene	16.04	180	759	1.38	ug/l #	1

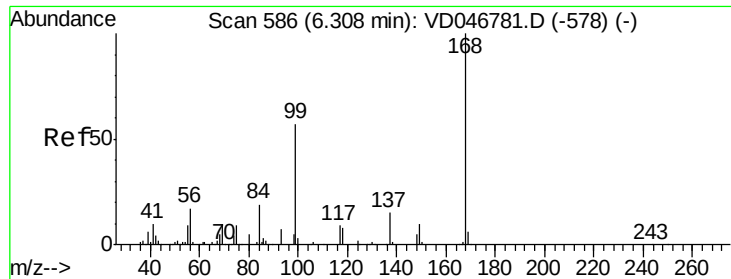
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.29 min Scan# 585

Delta R.T. -0.02 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Instrument :

MSVOA_D

ClientSampleId :

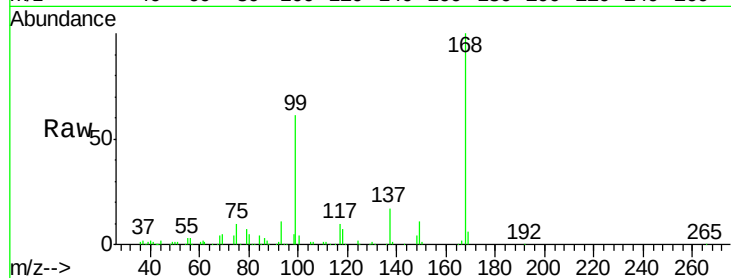
MGP205-10-12

Tot Ion:168 Resp: 110642

Ion Ratio Lower Upper

168 100

99 60.8 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.29

50000

40000

30000

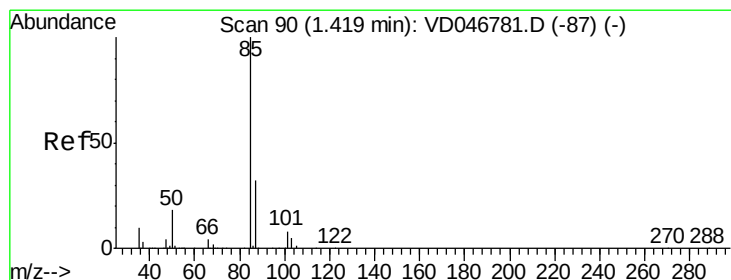
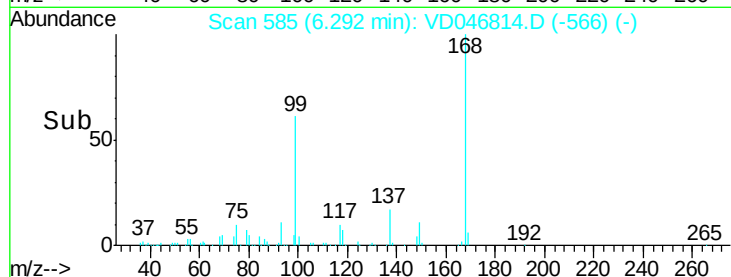
20000

10000

0

6.20 6.30 6.40 6.50

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.41 min Scan# 90

Delta R.T. -0.01 min

Lab File: VD046814.D

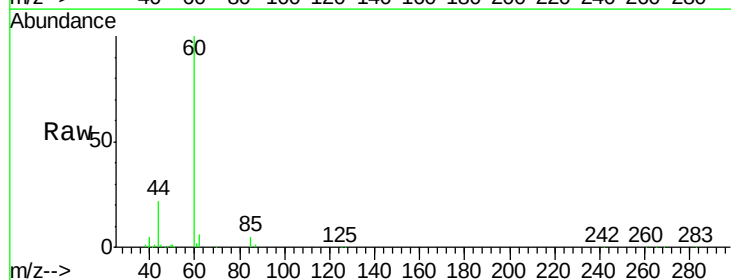
Acq: 21 Sep 2015 18:26

Tgt Ion: 85 Resp: 925

Ion Ratio Lower Upper

85 100

87 19.8 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.41

800

600

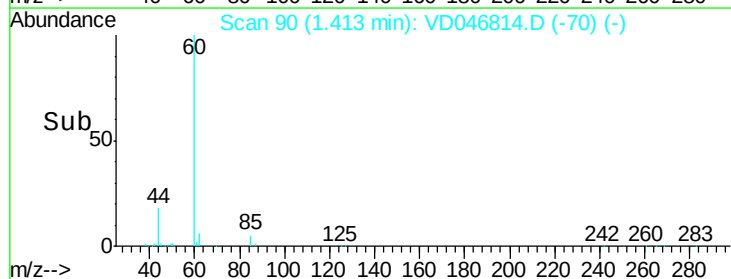
400

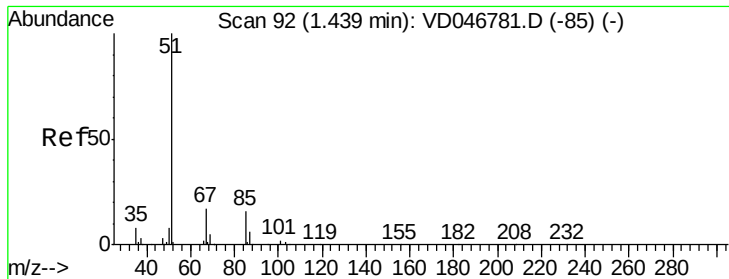
200

0

1.40 1.45

Time-->





#3

Chlorodifluoromethane

Concen: Below Cal

RT: 1.44 min Scan# 93

Delta R.T. 0.00 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Instrument :

MSVOA_D

ClientSampleId :

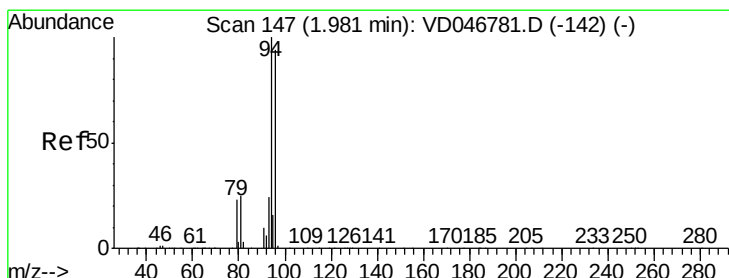
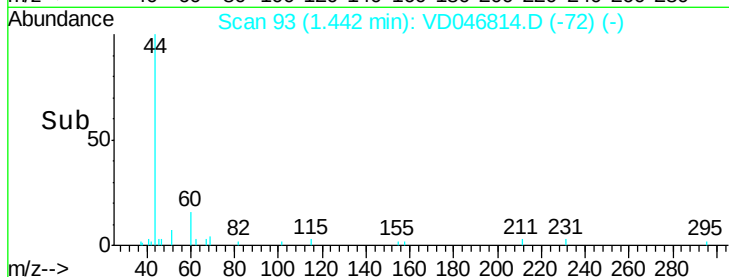
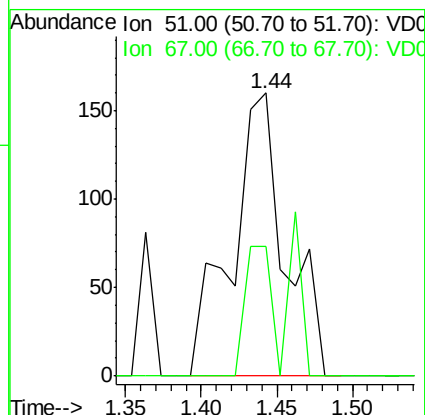
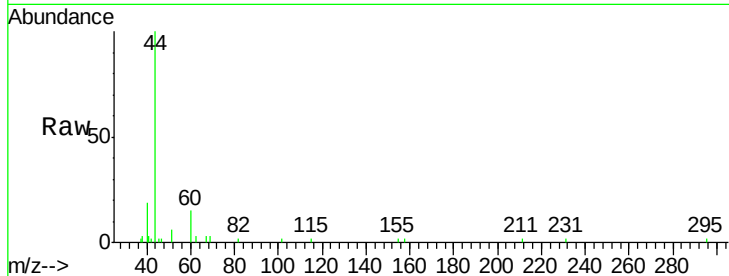
MGP205-10-12

Tot Ion: 51 Resp: 396

Ion Ratio Lower Upper

51 100

67 21.7 10.9 16.3#



#6

Bromomethane

Concen: Below Cal

RT: 1.96 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD046814.D

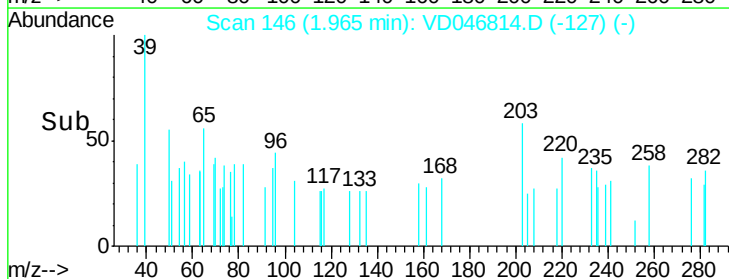
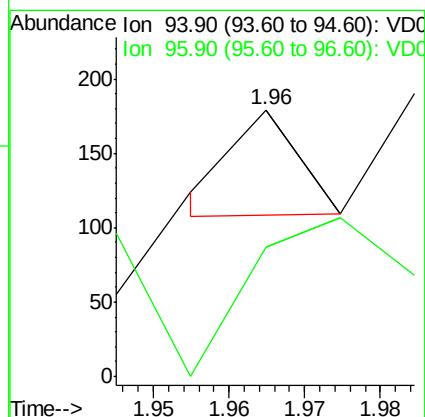
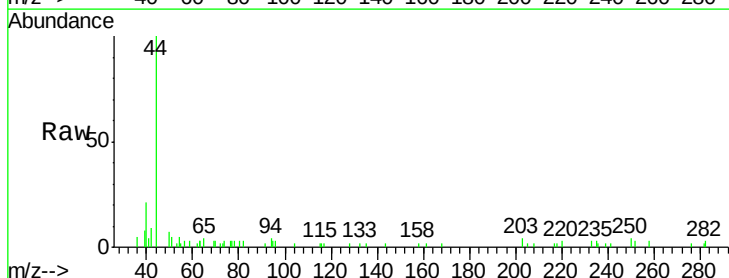
Acq: 21 Sep 2015 18:26

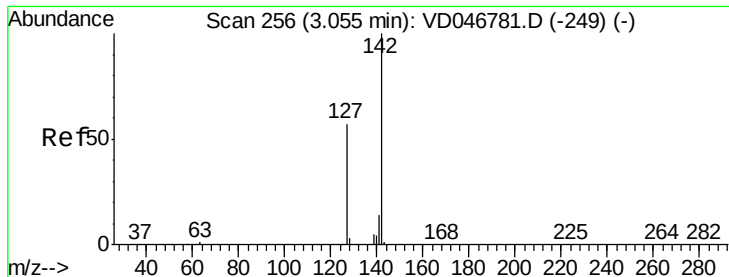
Tgt Ion: 94 Resp: 42

Ion Ratio Lower Upper

94 100

96 48.6 76.0 114.0#

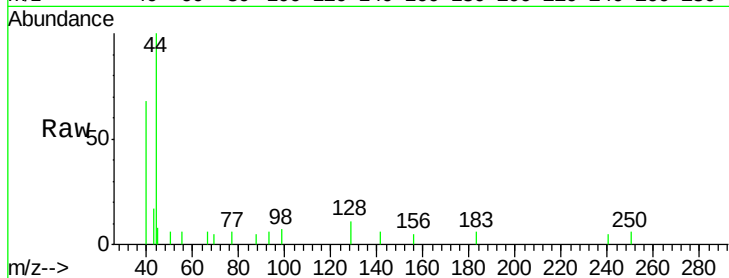




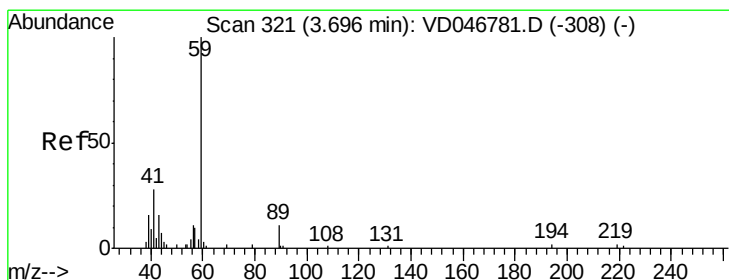
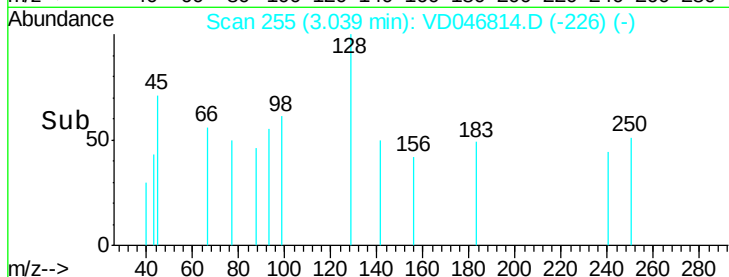
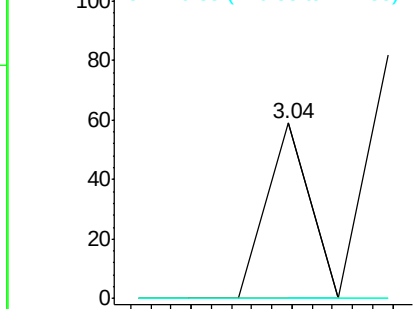
#11
Methvl Iodide
Concen: 1.76 ua/l
RT: 3.04 min Scan# 255
Delta R.T. -0.02 min
Lab File: VD046814.D
Acq: 21 Sep 2015 18:26

Instrument :
MSVOA_D
ClientSampleId :
MGP205-10-12

Tot Ion:142 Resp: 35
Ion Ratio Lower Upper
142 100
127 0.0 41.2 61.8#
141 0.0 11.6 17.4#

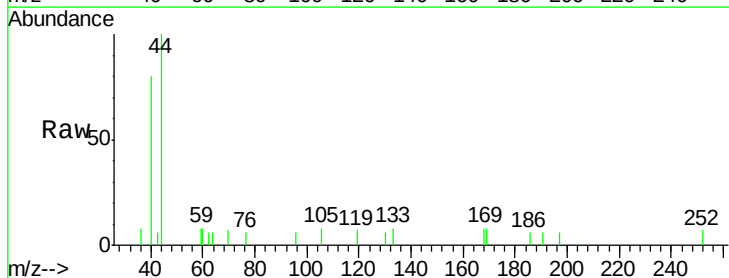


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

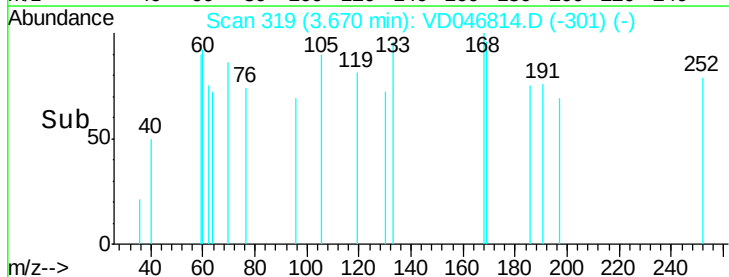
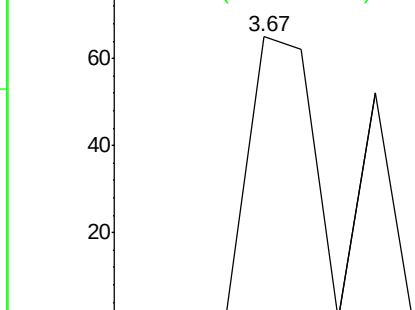


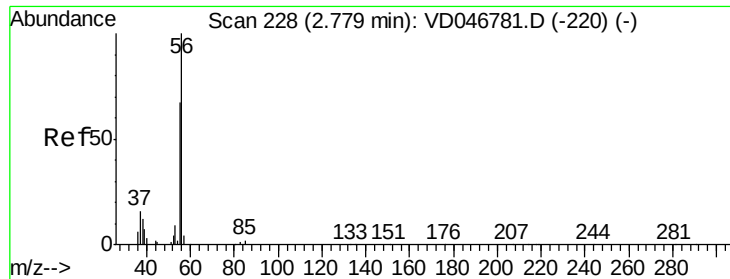
#12
Tert butyl alcohol
Concen: Below Cal
RT: 3.67 min Scan# 319
Delta R.T. -0.03 min
Lab File: VD046814.D
Acq: 21 Sep 2015 18:26

Tgt Ion: 59 Resp: 75
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): V
Ion 56.95 (56.65 to 57.65): V





#14

Acrolein

Concen: 1.05 ug/l

RT: 2.79 min Scan# 230

Delta R.T. 0.01 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Instrument :

MSVOA_D

ClientSampleId :

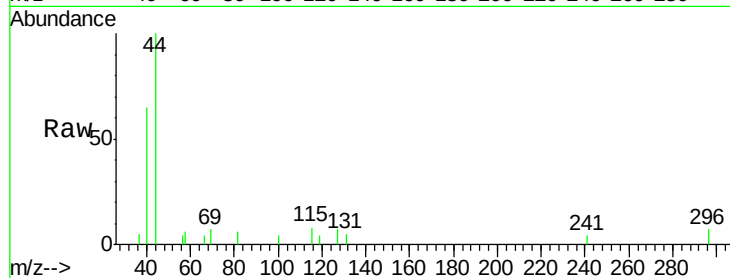
MGP205-10-12

Tot Ion: 56 Resp: 62

Ion Ratio Lower Upper

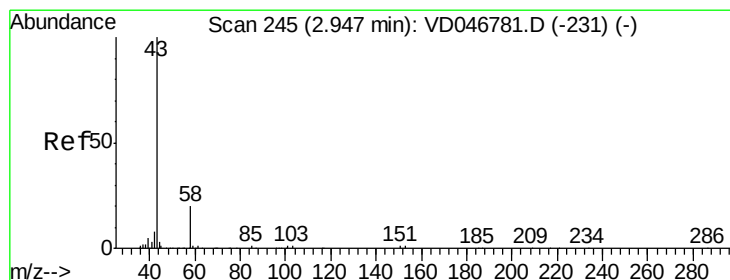
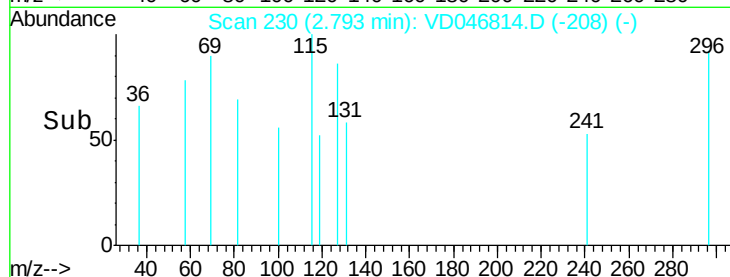
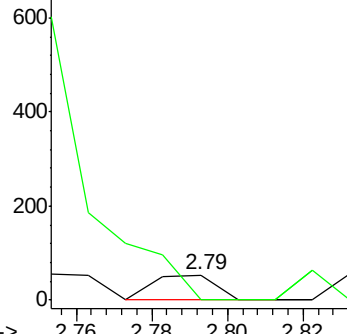
56 100

55 0.0 62.6 93.8#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#17

Acetone

Concen: 55.90 ug/l

RT: 2.94 min Scan# 245

Delta R.T. -0.01 min

Lab File: VD046814.D

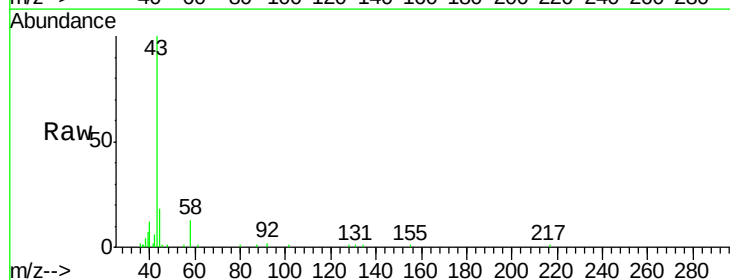
Acq: 21 Sep 2015 18:26

Tgt Ion: 43 Resp: 10866

Ion Ratio Lower Upper

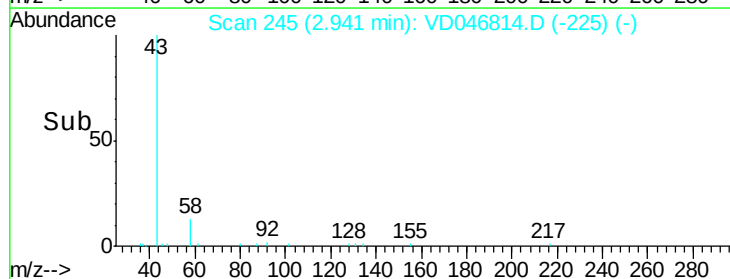
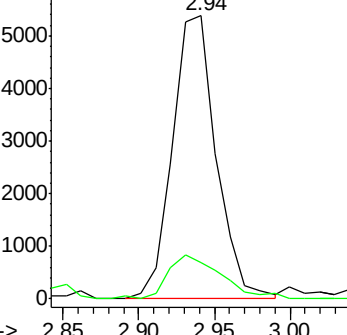
43 100

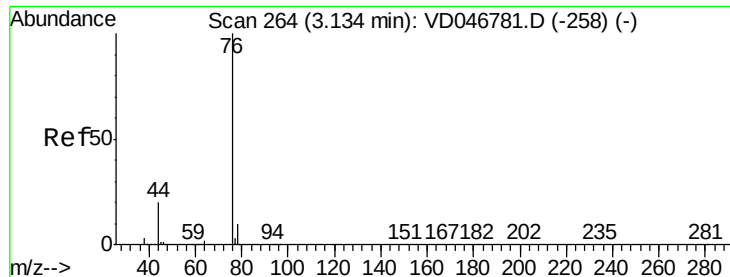
58 12.8 16.6 24.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#18

Carbon Disulfide

Concen: 47.64 ug/l

RT: 3.12 min Scan# 263

Delta R.T. -0.02 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Instrument :

MSVOA_D

ClientSampleId :

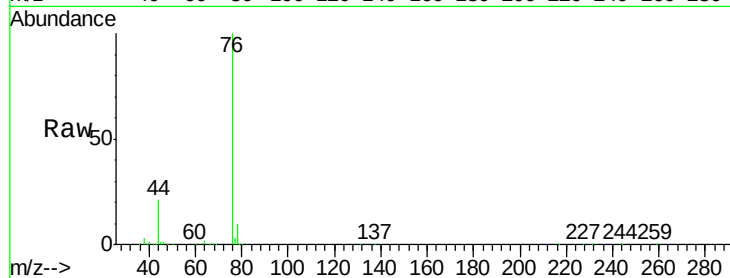
MGP205-10-12

Tot Ion: 76 Resp: 158177

Ion Ratio Lower Upper

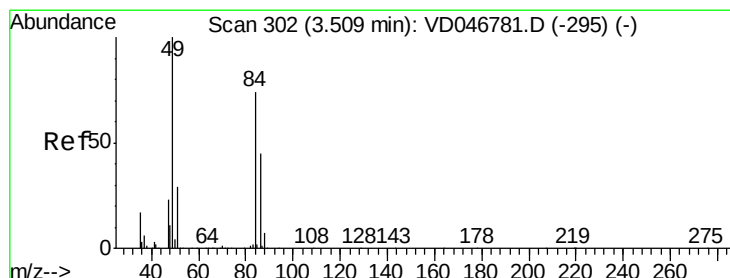
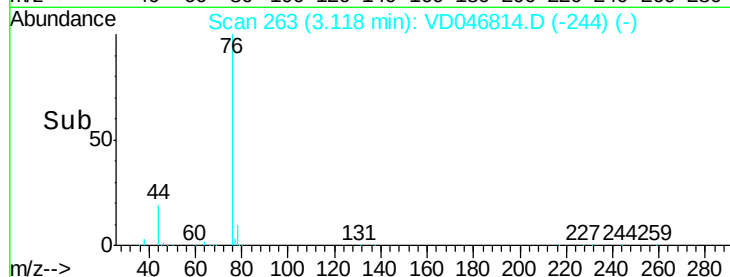
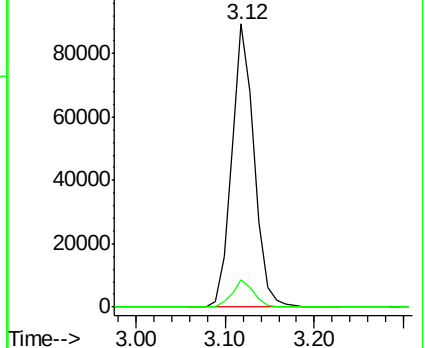
76 100

78 9.9 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#21

Methylene Chloride

Concen: 1.81 ug/l

RT: 3.49 min Scan# 301

Delta R.T. -0.02 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Tgt Ion: 84 Resp: 1912

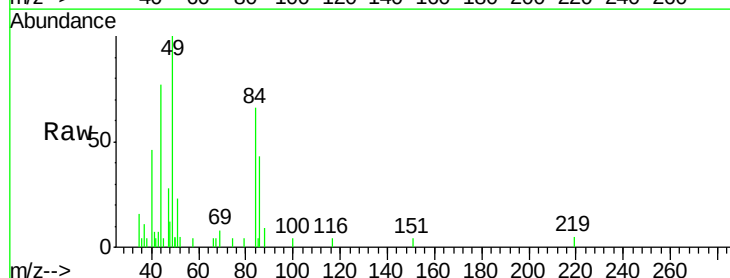
Ion Ratio Lower Upper

84 100

49 152.6 122.1 183.1

51 34.7 33.6 50.4

86 65.5 48.3 72.5

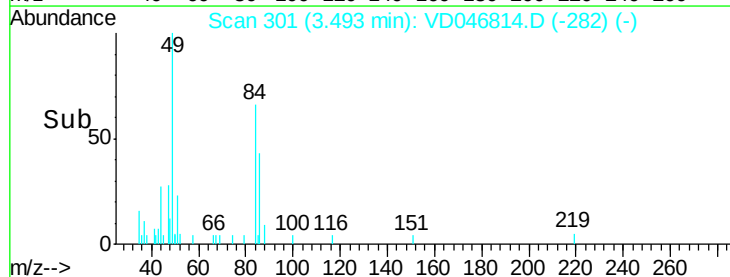
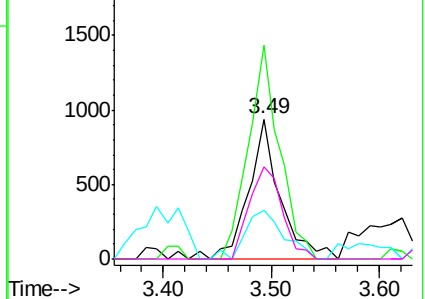


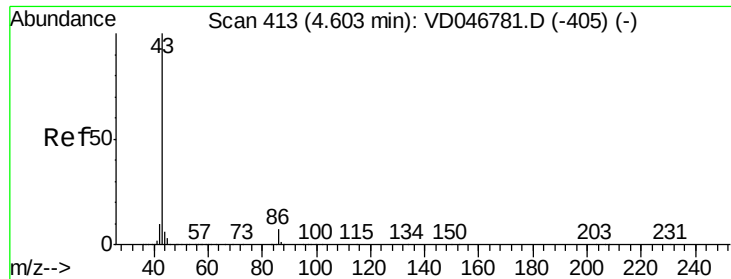
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#24

Vinyl Acetate

Concen: 15.86 ug/l

RT: 4.58 min Scan# 411

Delta R.T. -0.03 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Instrument :

MSVOA_D

ClientSampleId :

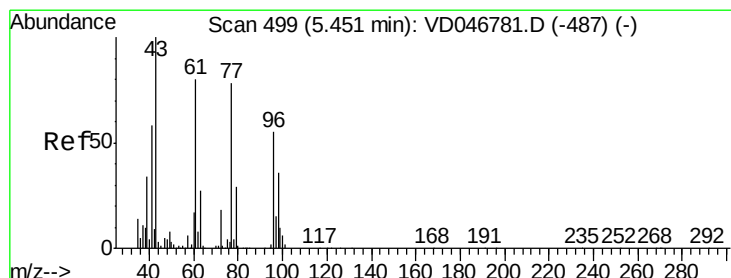
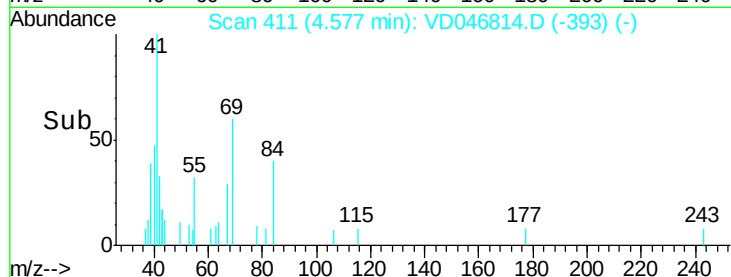
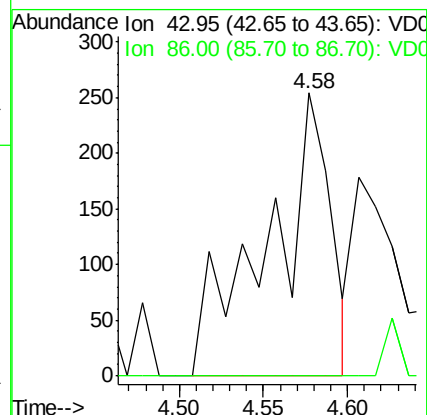
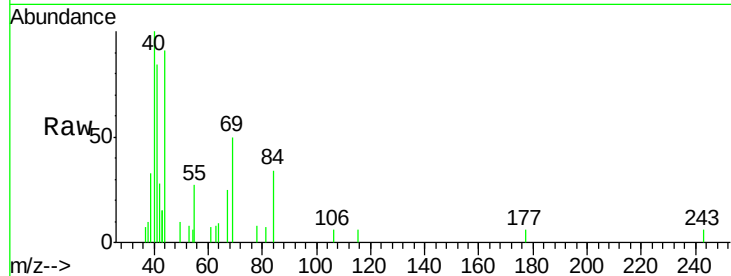
MGP205-10-12

Tot Ion: 43 Resp: 651

Ion Ratio Lower Upper

43 100

86 0.0 4.9 7.3#



#26

2-Butanone

Concen: 12.21 ug/l

RT: 5.43 min Scan# 498

Delta R.T. -0.02 min

Lab File: VD046814.D

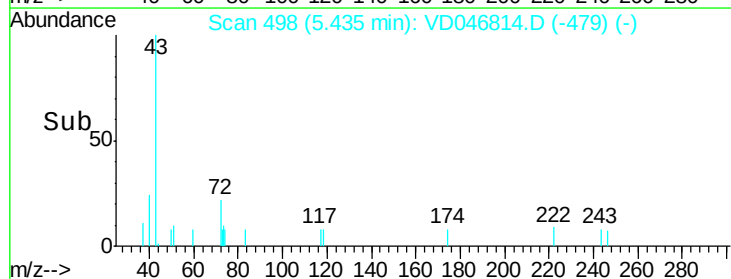
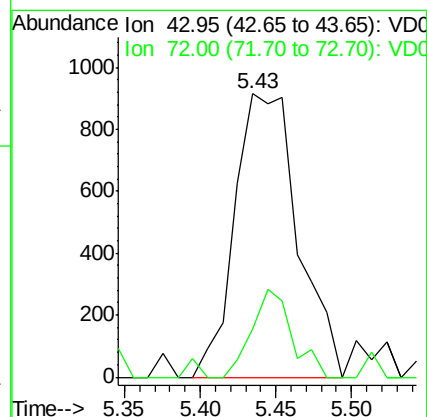
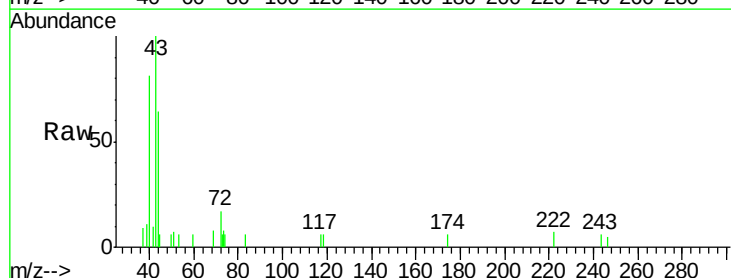
Acq: 21 Sep 2015 18:26

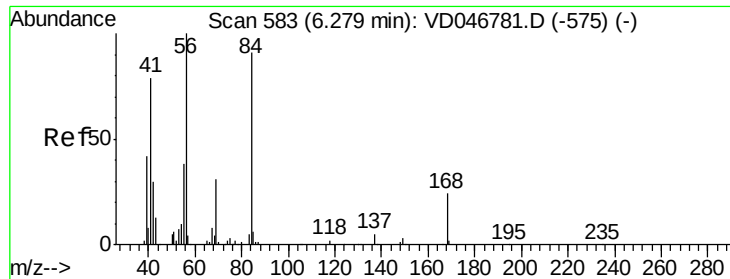
Tgt Ion: 43 Resp: 2667

Ion Ratio Lower Upper

43 100

72 17.0 13.4 20.0

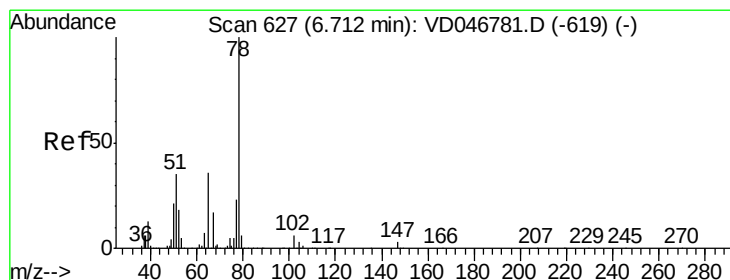
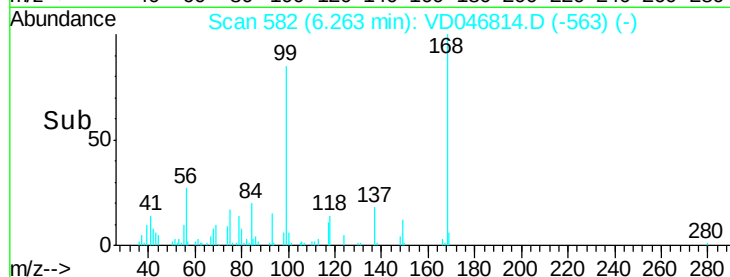
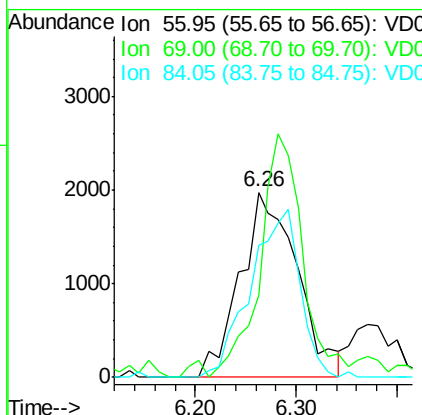
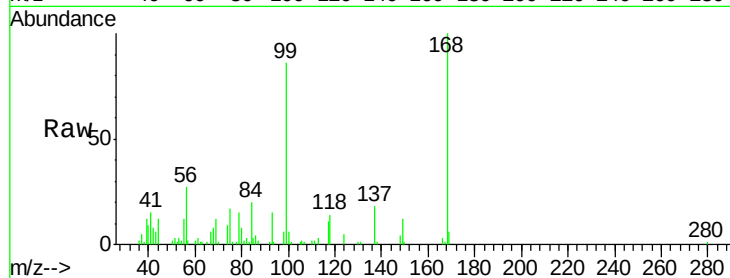




#31
Cyclohexane
Concen: 4.48 ug/l
RT: 6.26 min Scan# 582
Delta R.T. -0.02 min
Lab File: VD046814.D
Acq: 21 Sep 2015 18:26

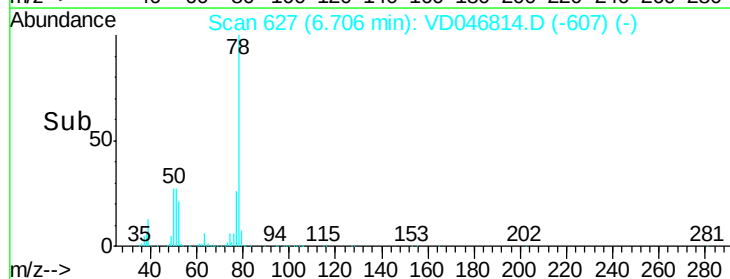
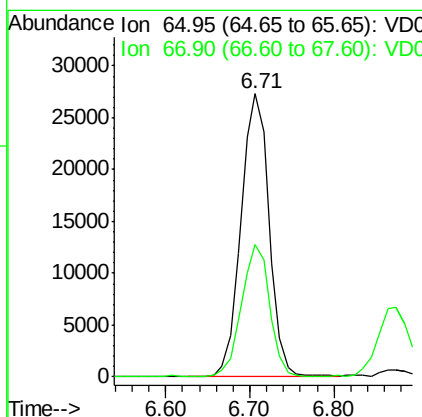
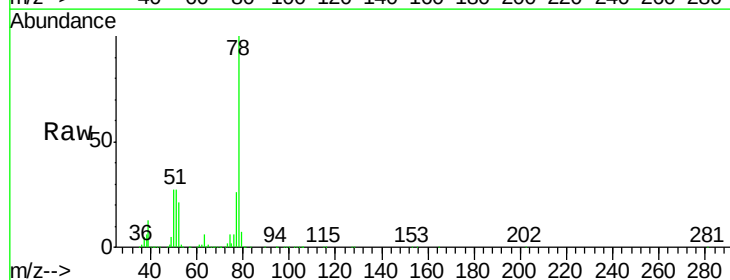
Instrument :
MSVOA_D
ClientSampleId :
MGP205-10-12

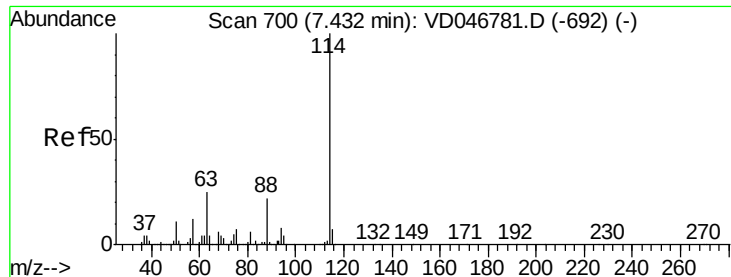
Tot Ion: 56 Resp: 7744
Ion Ratio Lower Upper
56 100
69 44.3 23.4 35.0#
84 71.8 63.8 95.8



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.71 min Scan# 627
Delta R.T. -0.01 min
Lab File: VD046814.D
Acq: 21 Sep 2015 18:26

Tgt Ion: 65 Resp: 63883
Ion Ratio Lower Upper
65 100
67 46.7 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 699

Delta R.T. -0.02 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Instrument :

MSVOA_D

ClientSampleId :

MGP205-10-12

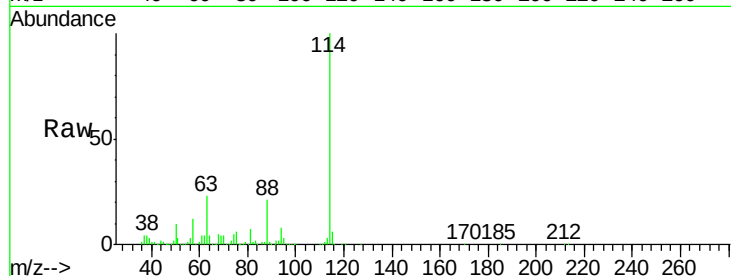
Tot Ion:114 Resp: 165803

Ion Ratio Lower Upper

114 100

63 23.4 0.0 49.8

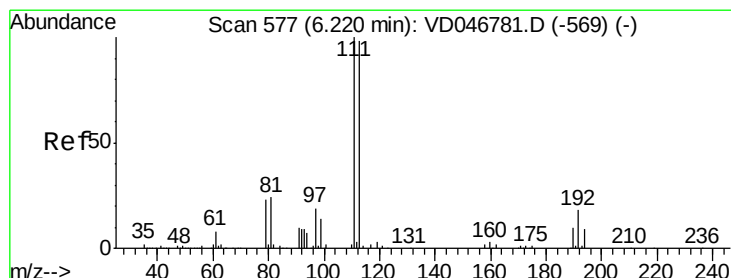
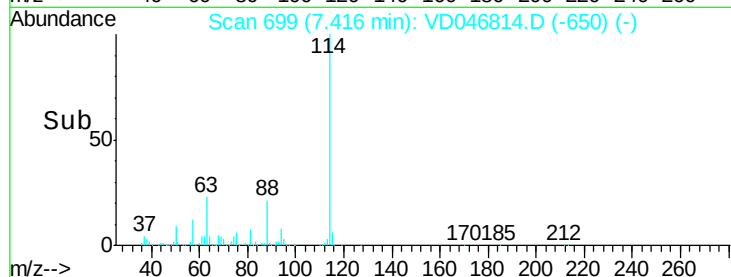
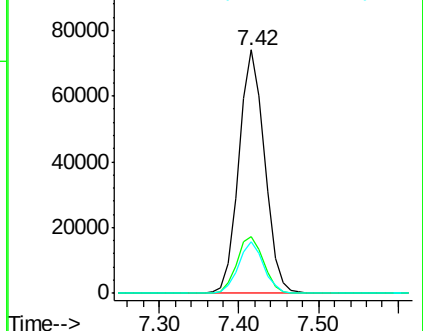
88 21.3 0.0 43.6



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: 50.00 ug/l

RT: 6.19 min Scan# 575

Delta R.T. -0.03 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

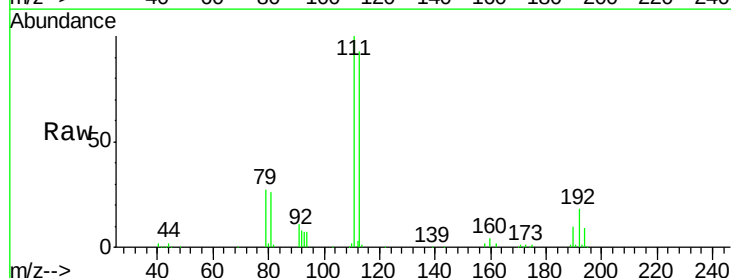
Tgt Ion:113 Resp: 68129

Ion Ratio Lower Upper

113 100

111 107.1 79.4 119.0

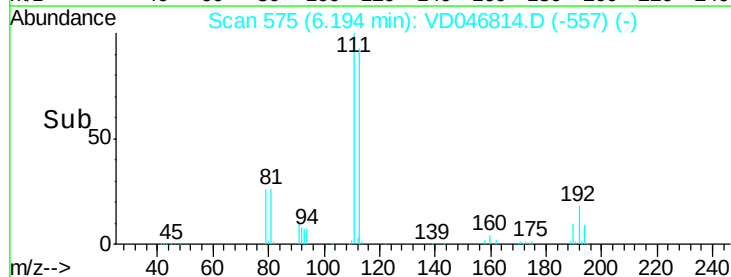
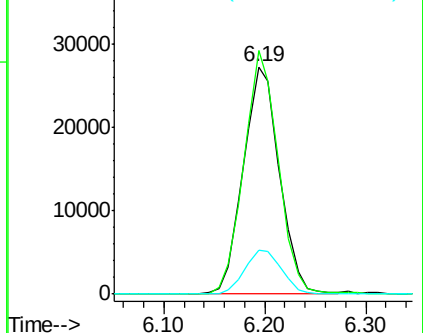
192 19.3 14.6 22.0

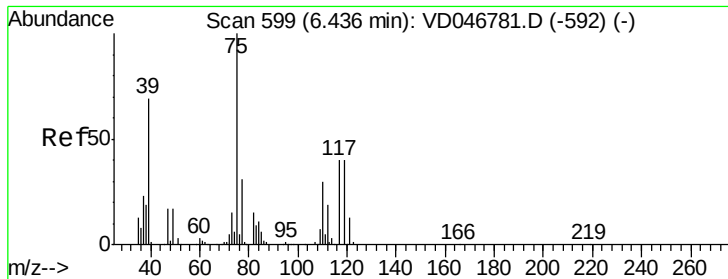


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

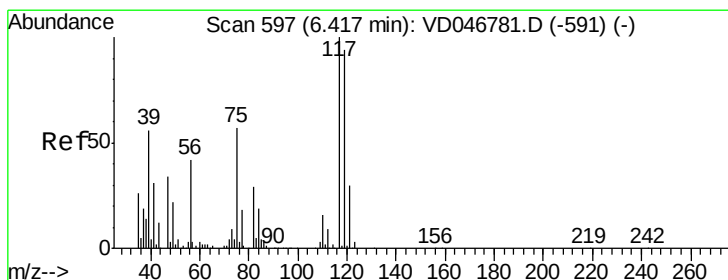
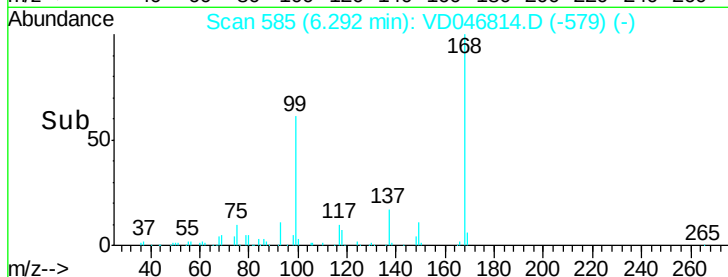
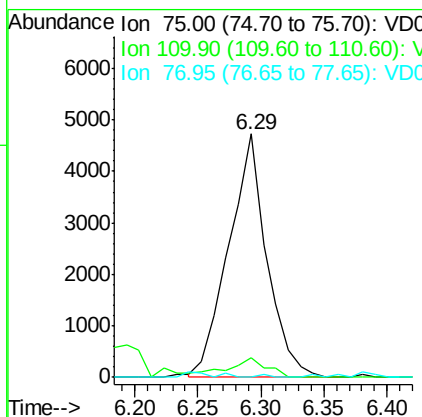
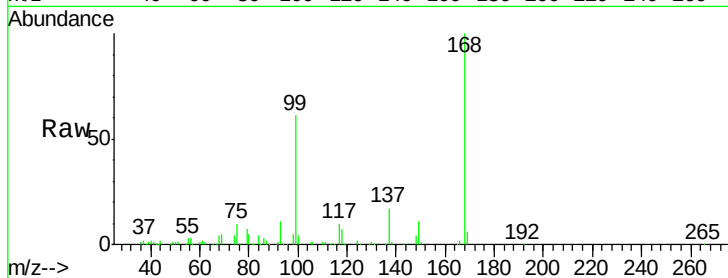




#36
 1,1-Dichloropropene
 Concen: 5.10 ug/l
 RT: 6.29 min Scan# 585
 Delta R.T. -0.14 min
 Lab File: VD046814.D
 Acq: 21 Sep 2015 18:26

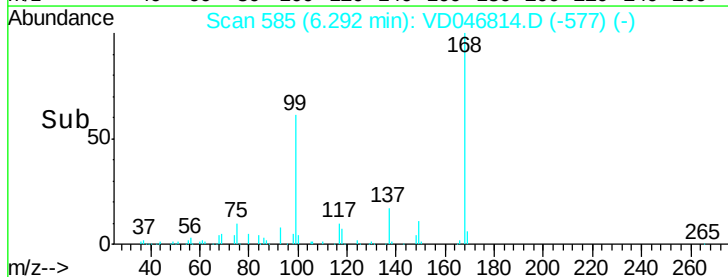
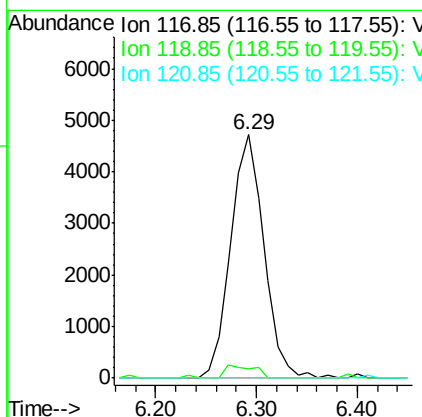
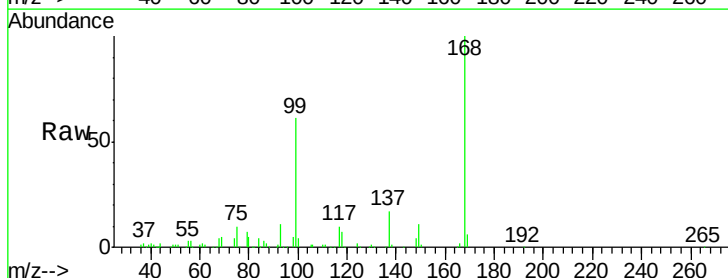
Instrument :
 MSVOA_D
 ClientSampleId :
 MGP205-10-12

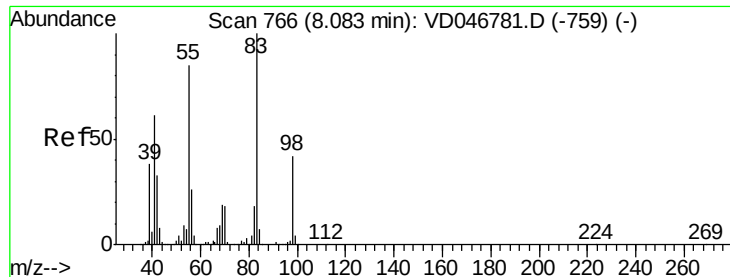
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	13.7	41.0#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.37 ug/l
 RT: 6.29 min Scan# 585
 Delta R.T. -0.12 min
 Lab File: VD046814.D
 Acq: 21 Sep 2015 18:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	76.2	114.4#
121	0.0	24.5	36.7#





#39

Methylvlcyclohexane

Concen: 30.65 ug/l

RT: 8.07 min Scan# 765

Delta R.T. -0.02 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Instrument :

MSVOA_D

ClientSampleId :

MGP205-10-12

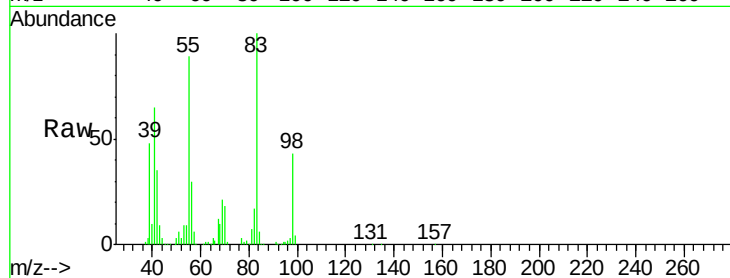
Tot Ion: 83 Resp: 60168

Ion Ratio Lower Upper

83 100

55 88.9 71.1 106.7

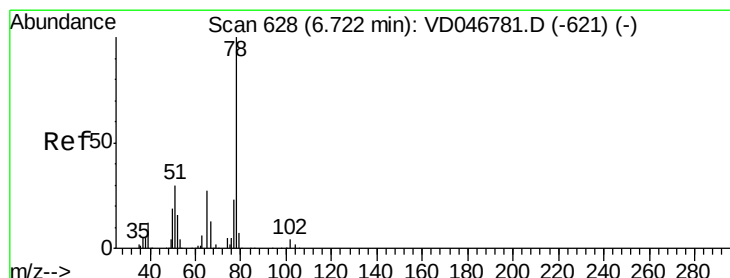
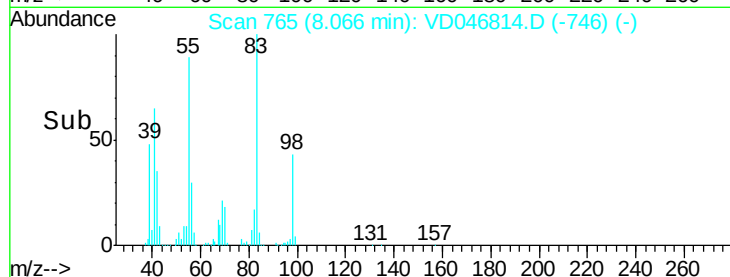
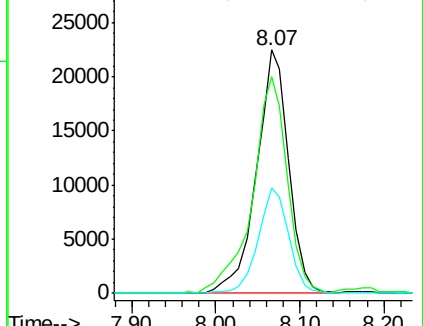
98 43.2 34.6 51.8



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 1957.44 ug/l

RT: 6.72 min Scan# 628

Delta R.T. -0.01 min

Lab File: VD046814.D

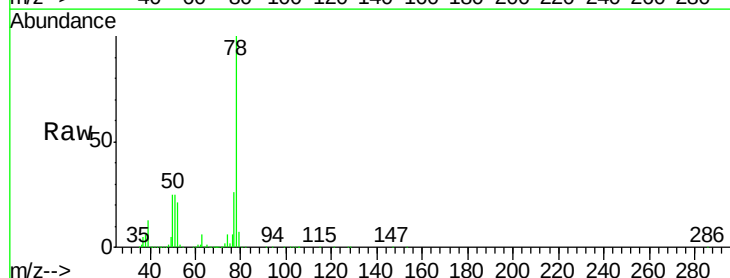
Acq: 21 Sep 2015 18:26

Tgt Ion: 78 Resp: 9682216

Ion Ratio Lower Upper

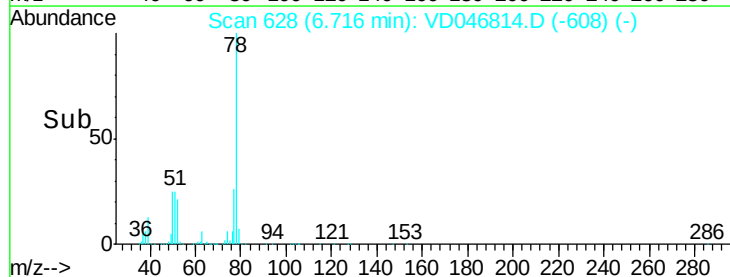
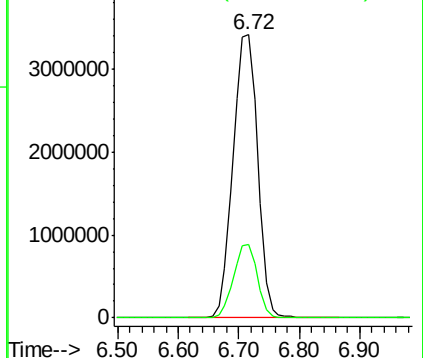
78 100

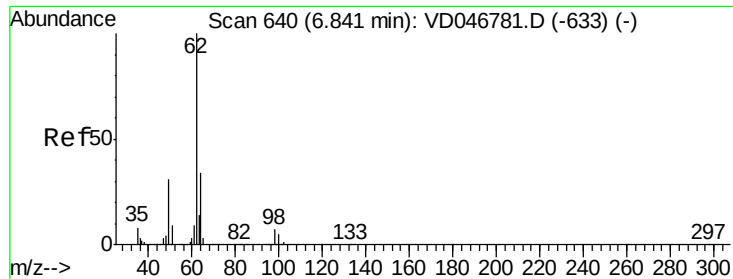
77 26.0 19.9 29.9



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

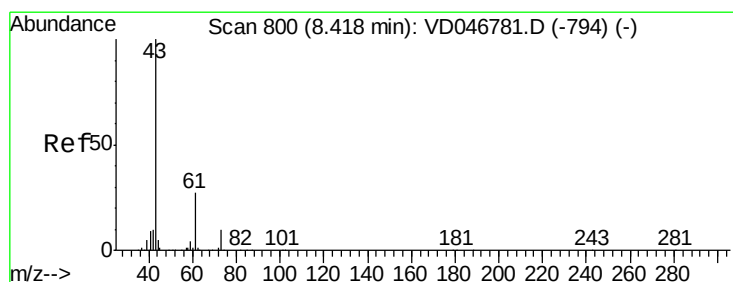
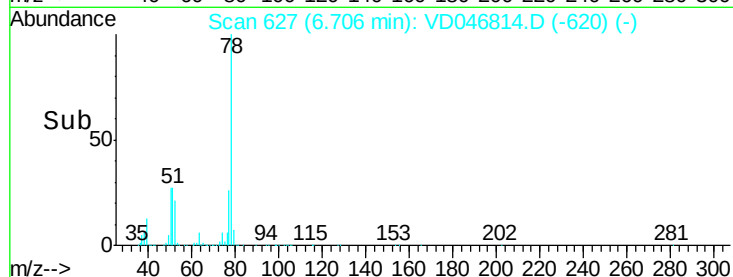
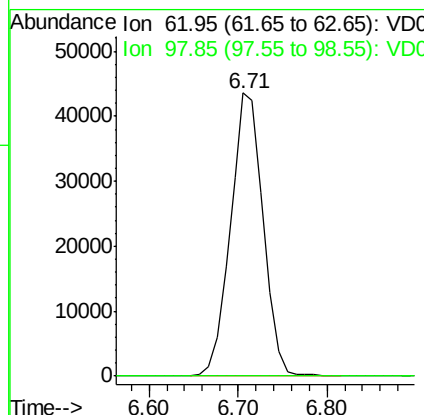
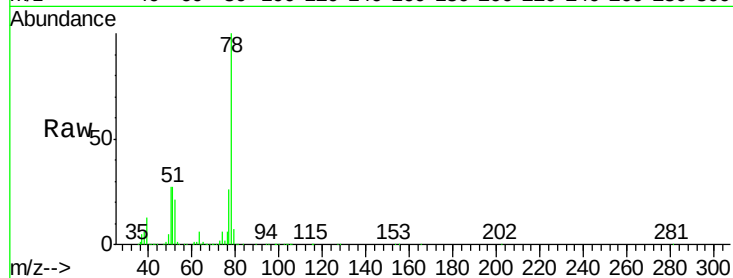




#42
 1,2-Dichloroethane
 Concen: 71.68 ug/l
 RT: 6.71 min Scan# 627
 Delta R.T. -0.13 min
 Lab File: VD046814.D
 Acq: 21 Sep 2015 18:26

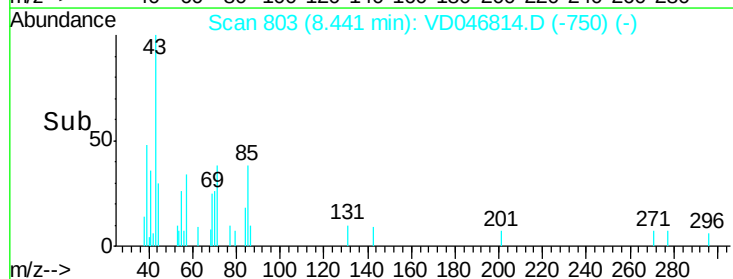
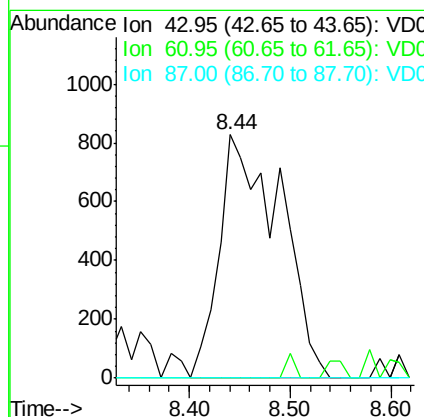
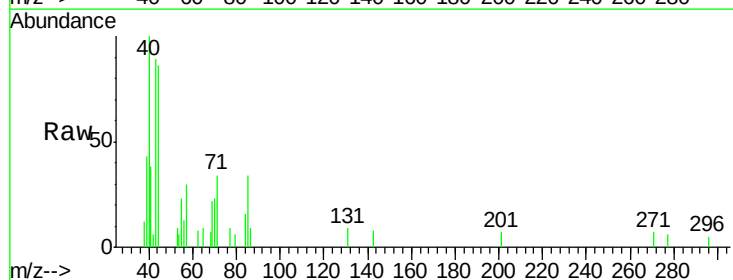
Instrument :
 MSVOA_D
 ClientSampleId :
 MGP205-10-12

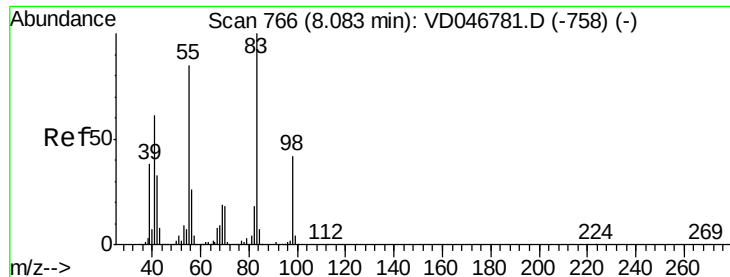
Tot Ion: 62 Resp: 110127
 Ion Ratio Lower Upper
 62 100
 98 0.1 0.0 16.2



#43
 Isopropyl Acetate
 Concen: 4.25 ug/l
 RT: 8.44 min Scan# 803
 Delta R.T. 0.02 min
 Lab File: VD046814.D
 Acq: 21 Sep 2015 18:26

Tgt Ion: 43 Resp: 3483
 Ion Ratio Lower Upper
 43 100
 61 0.0 19.5 29.3#
 87 0.0 0.2 0.2#

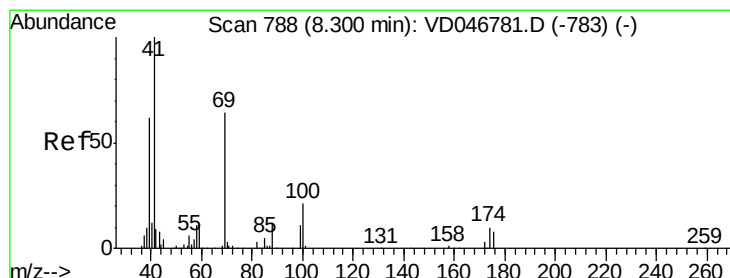
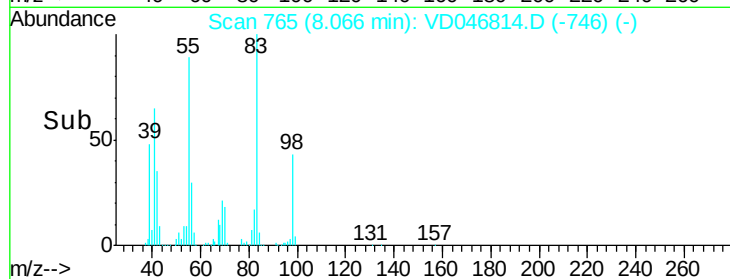
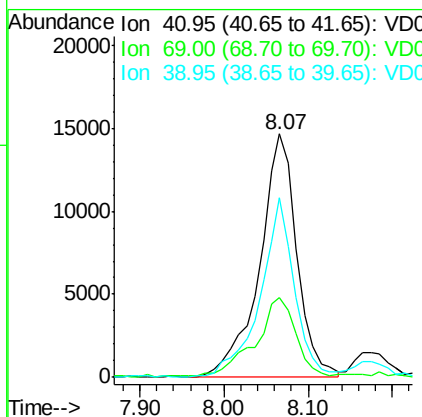
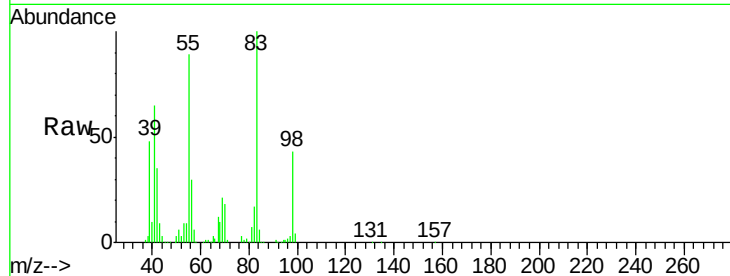




#48
Methyl methacrylate
Concen: 36.42 ug/l
RT: 8.07 min Scan# 765
Delta R.T. -0.02 min
Lab File: VD046814.D
Acq: 21 Sep 2015 18:26

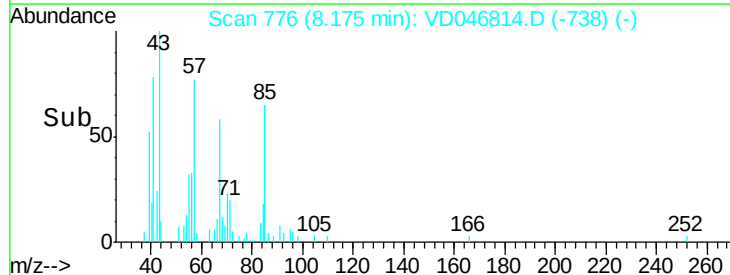
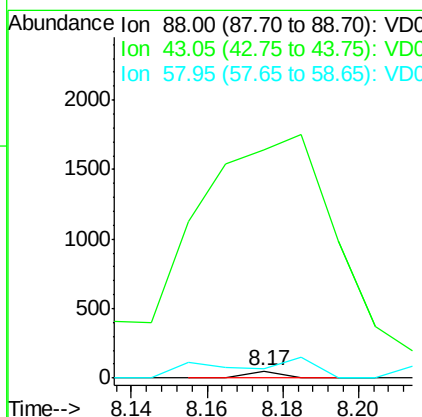
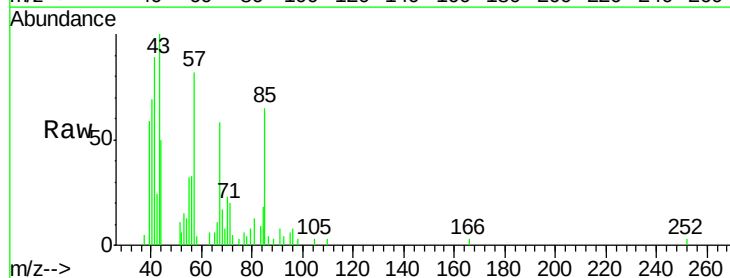
Instrument :
MSVOA_D
ClientSampleId :
MGP205-10-12

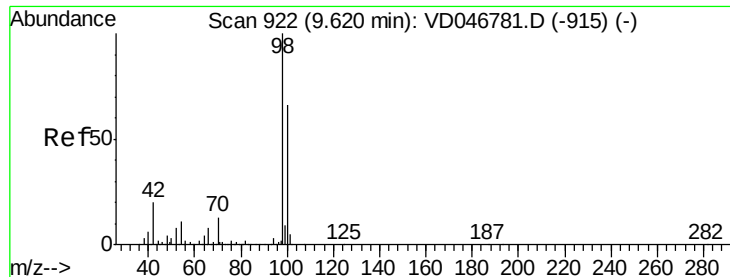
Tot Ion: 41 Resp: 45687
Ion Ratio Lower Upper
41 100
69 32.5 25.3 37.9
39 73.5 47.4 71.0#



#49
1,4-Dioxane
Concen: 6.47 ug/l
RT: 8.17 min Scan# 776
Delta R.T. -0.12 min
Lab File: VD046814.D
Acq: 21 Sep 2015 18:26

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 3278.0 50.0 75.0#
58 126.0 48.3 72.5#

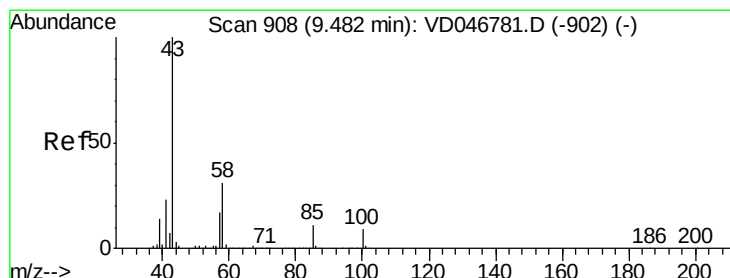
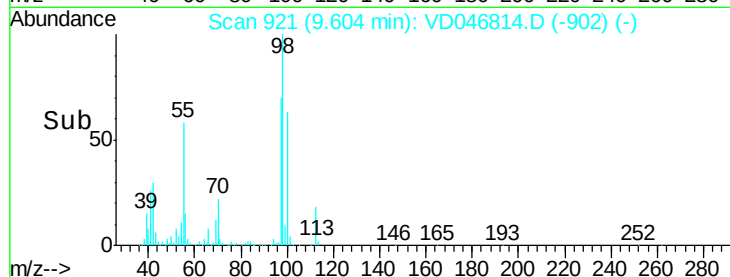
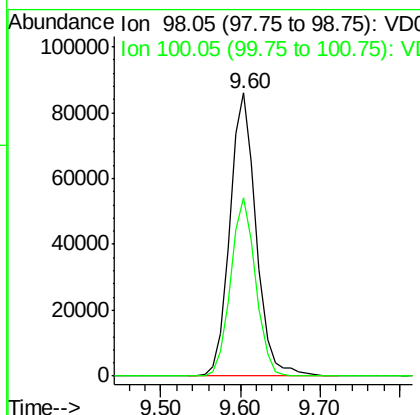
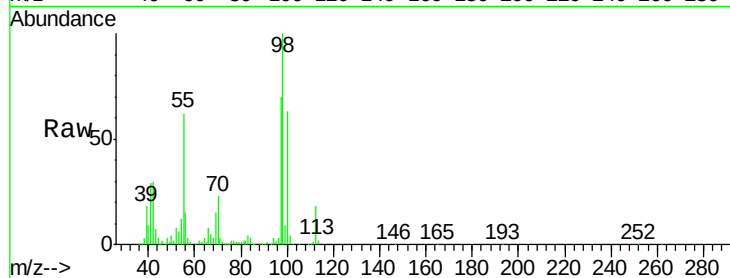




#50
Toluene-d8
Concen: 6.47 ug/l
RT: 9.60 min Scan# 921
Delta R.T. -0.02 min
Lab File: VD046814.D
Acq: 21 Sep 2015 18:26

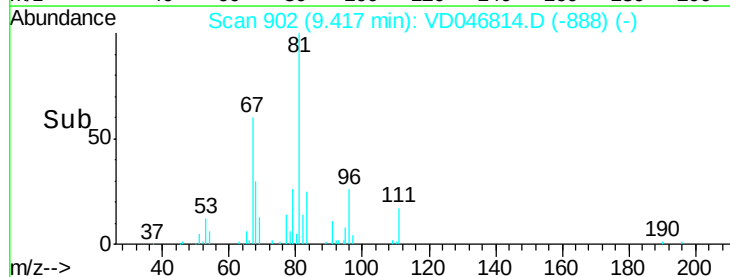
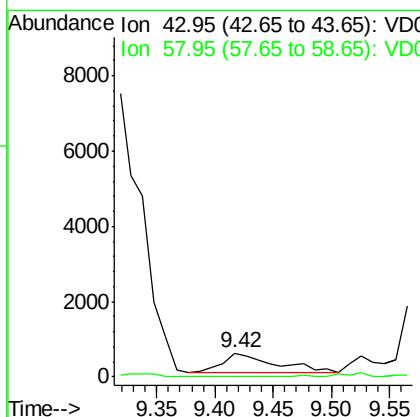
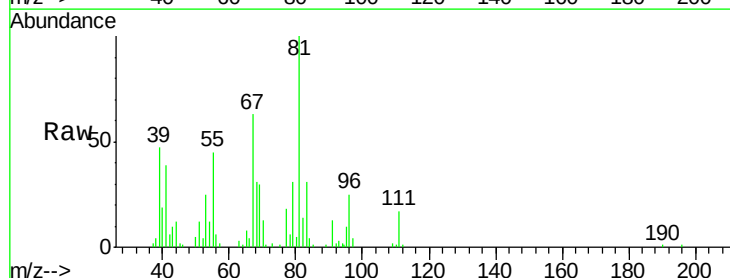
Instrument :
MSVOA_D
ClientSampleId :
MGP205-10-12

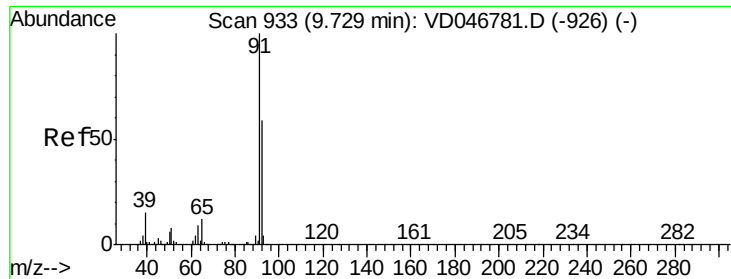
Tot Ion: 98 Resp: 198474
Ion Ratio Lower Upper
98 100
100 63.1 49.9 74.9



#51
4-Methyl-2-Pentanone
Concen: 2.91 ug/l
RT: 9.42 min Scan# 902
Delta R.T. -0.07 min
Lab File: VD046814.D
Acq: 21 Sep 2015 18:26

Tgt Ion: 43 Resp: 1726
Ion Ratio Lower Upper
43 100
58 0.0 22.2 33.2#





#52

Toluene

Concen: 435.49 ug/l

RT: 9.70 min Scan# 931

Delta R.T. -0.03 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Instrument :

MSVOA_D

ClientSampleId :

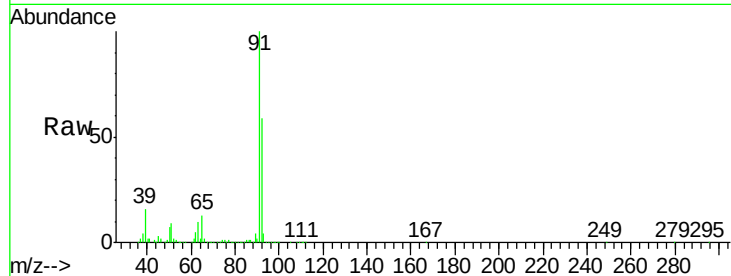
MGP205-10-12

Tot Ion: 92 Resp: 1328750

Ion Ratio Lower Upper

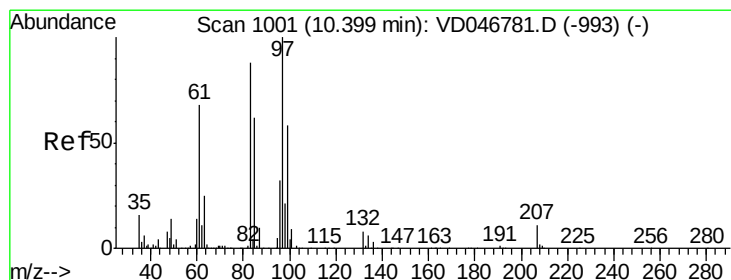
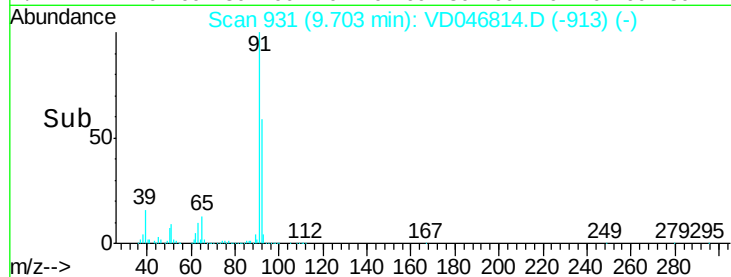
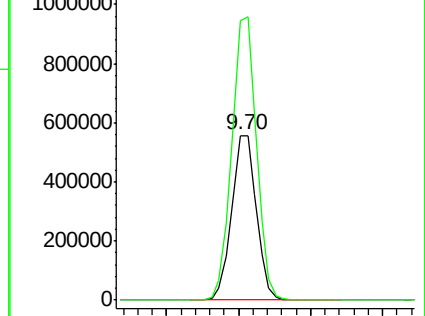
92 100

91 170.1 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#55

1,1,2-Trichloroethane

Concen: 74.22 ug/l

RT: 10.31 min Scan# 993

Delta R.T. -0.09 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Tgt Ion: 97 Resp: 58632

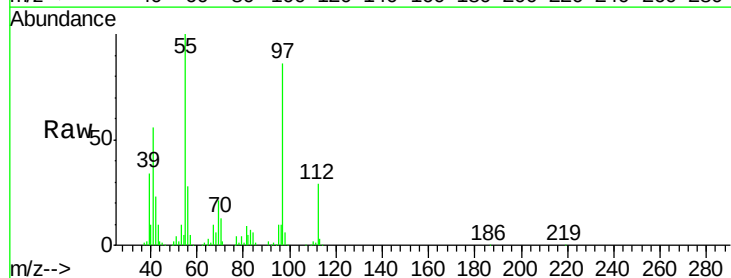
Ion Ratio Lower Upper

97 100

83 8.4 75.3 112.9#

85 0.6 50.9 76.3#

99 0.4 46.9 70.3#

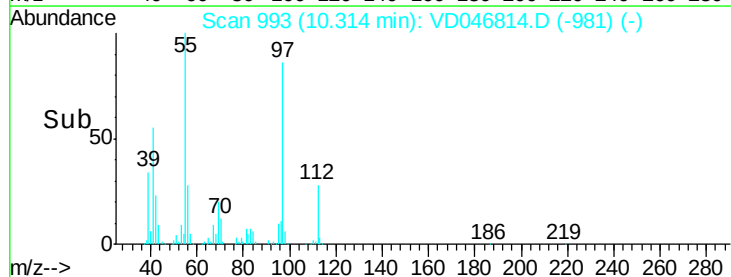
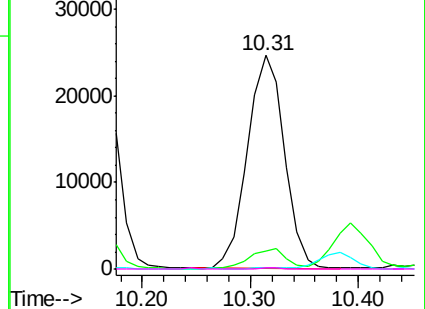


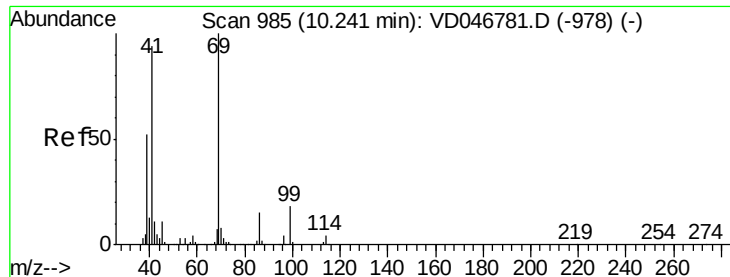
Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 67.59 ug/l

RT: 10.15 min Scan# 976

Delta R.T. -0.09 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Instrument :

MSVOA_D

ClientSampleId :

MGP205-10-12

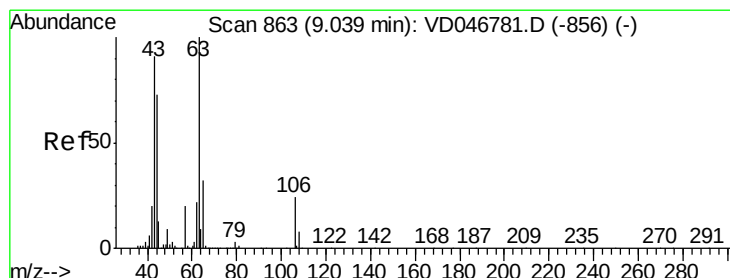
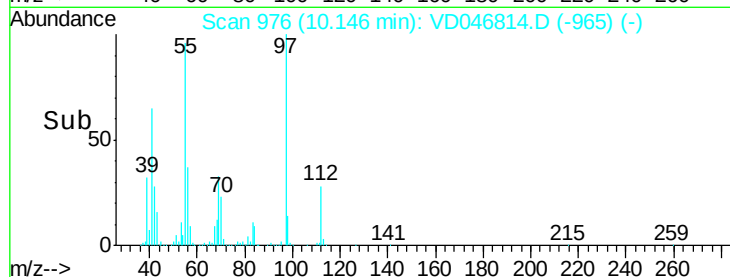
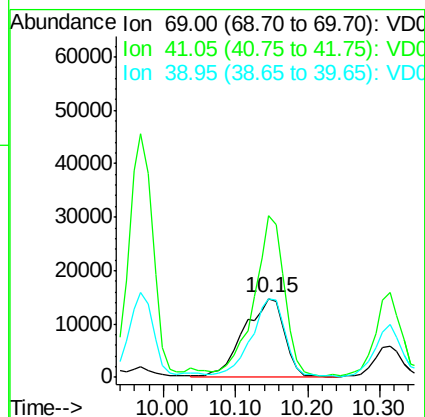
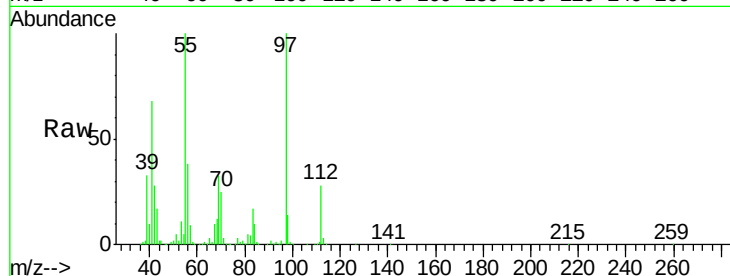
Tot Ion: 69 Resp: 56600

Ion Ratio Lower Upper

69 100

41 205.6 75.4 113.0#

39 100.2 41.0 61.4#



#58

2-Chloroethyl Vinyl ether

Concen: 7.12 ug/l

RT: 9.07 min Scan# 867

Delta R.T. 0.03 min

Lab File: VD046814.D

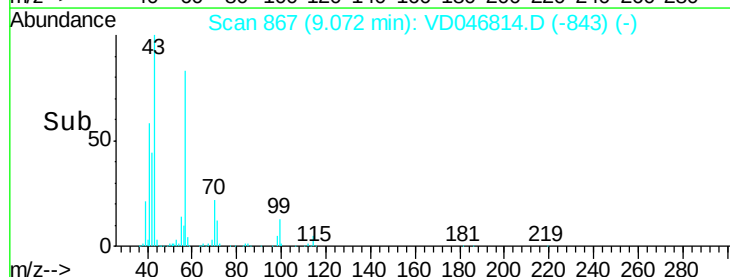
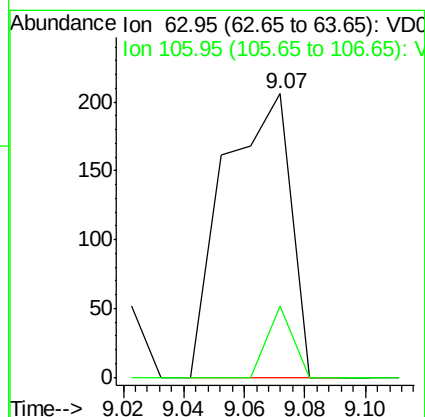
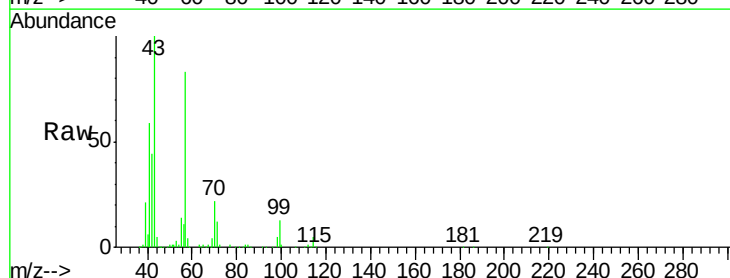
Acq: 21 Sep 2015 18:26

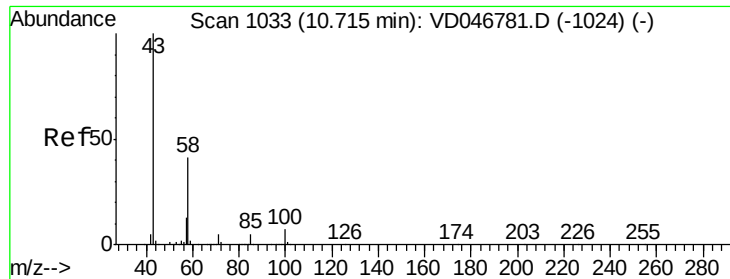
Tgt Ion: 63 Resp: 316

Ion Ratio Lower Upper

63 100

106 25.2 17.8 26.8

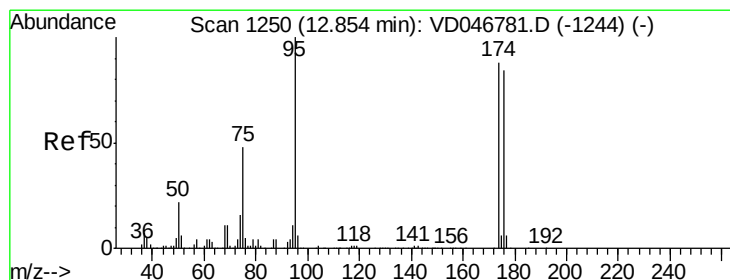
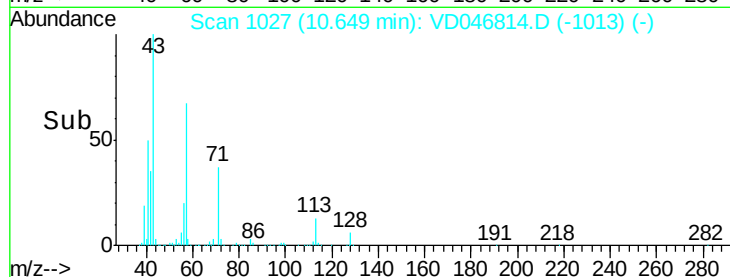
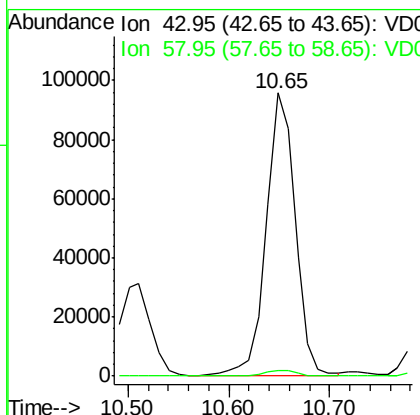
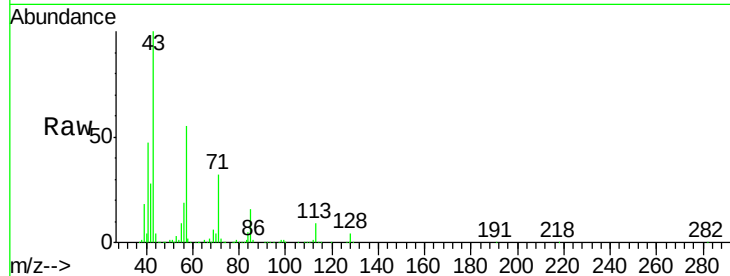




#59
2-Hexanone
Concen: 443.39 ug/l
RT: 10.65 min Scan# 1027
Delta R.T. -0.06 min
Lab File: VD046814.D
Acq: 21 Sep 2015 18:26

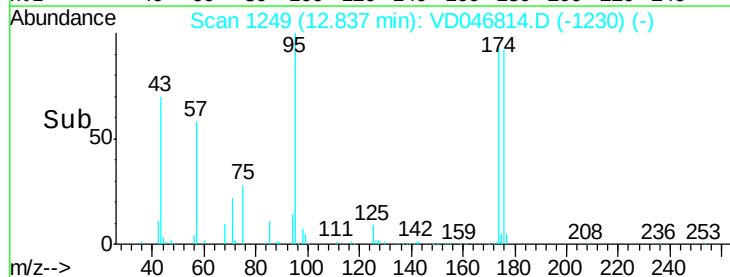
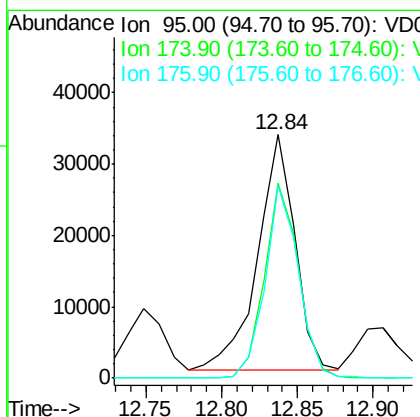
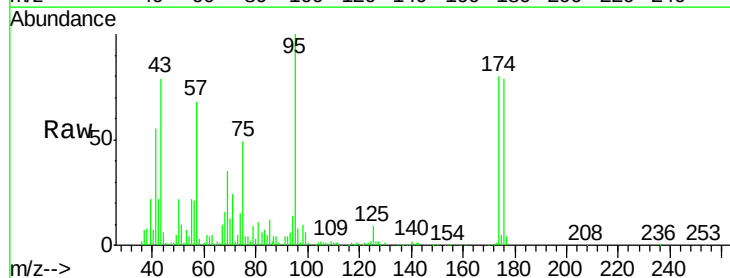
Instrument :
MSVOA_D
ClientSampleId :
MGP205-10-12

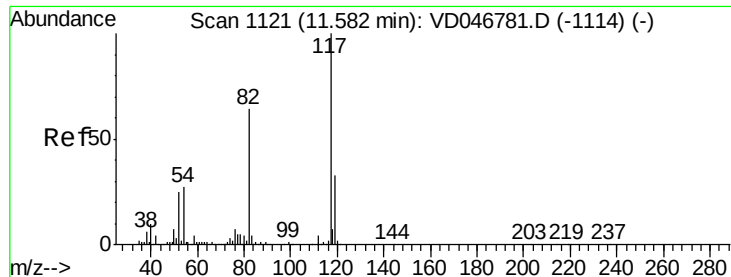
Tot Ion: 43 Resp: 189909
Ion Ratio Lower Upper
43 100
58 2.2 18.6 55.8#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.84 min Scan# 1249
Delta R.T. -0.02 min
Lab File: VD046814.D
Acq: 21 Sep 2015 18:26

Tgt Ion: 95 Resp: 57533
Ion Ratio Lower Upper
95 100
174 80.2 0.0 149.8
176 78.9 0.0 143.4

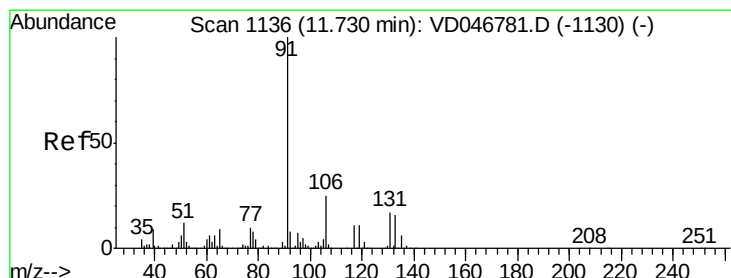
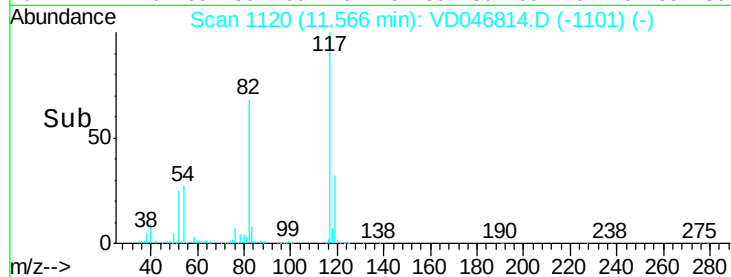
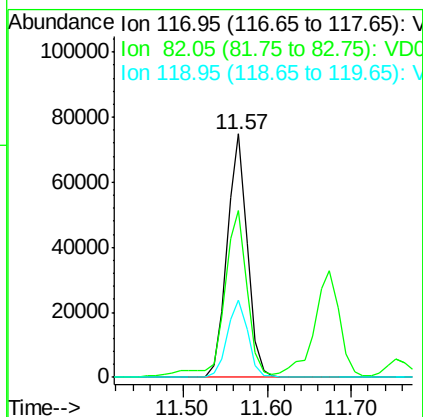
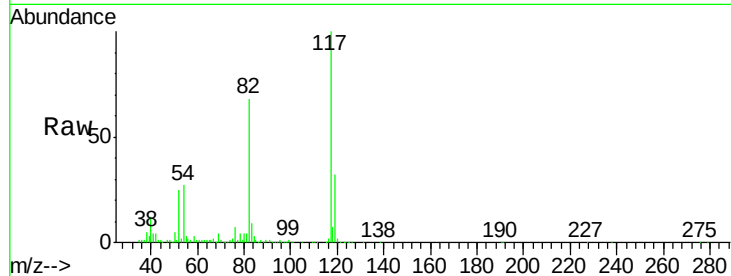




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VD046814.D
Acq: 21 Sep 2015 18:26

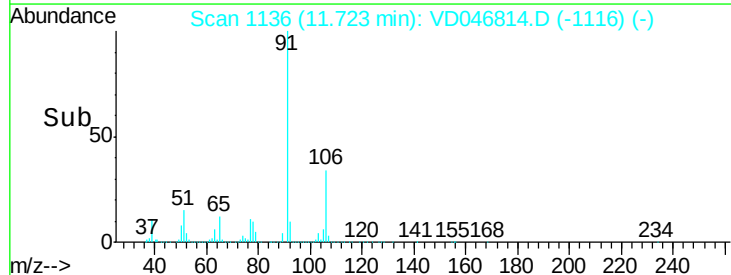
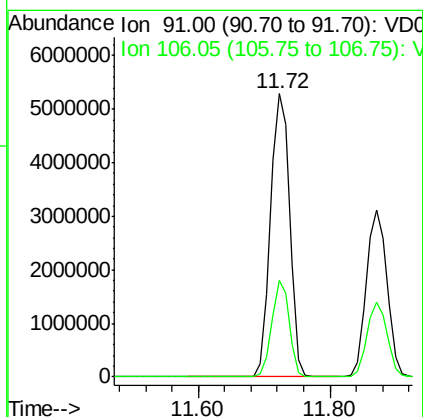
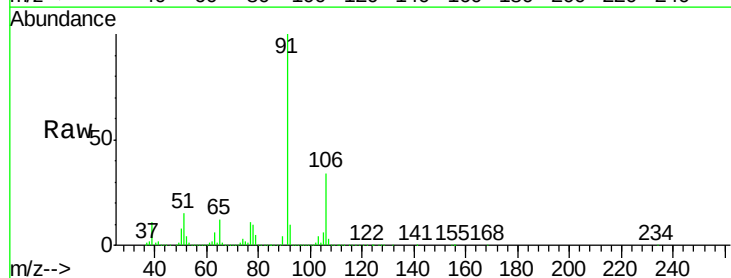
Instrument :
MSVOA_D
ClientSampleId :
MGP205-10-12

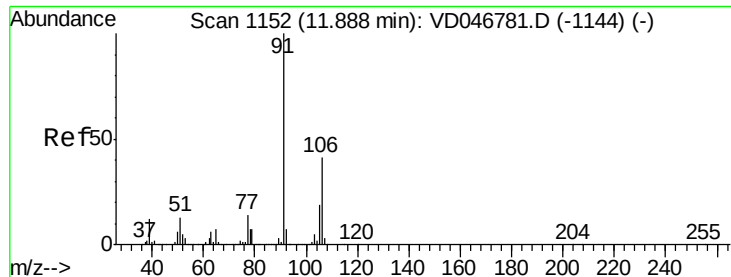
Tot Ion:117 Resp: 124037
Ion Ratio Lower Upper
117 100
82 68.4 50.6 75.8
119 32.0 25.8 38.8



#67
Ethyl Benzene
Concen: 2069.02 ug/l
RT: 11.72 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD046814.D
Acq: 21 Sep 2015 18:26

Tgt Ion: 91 Resp:10852713
Ion Ratio Lower Upper
91 100
106 33.9 20.2 30.2#

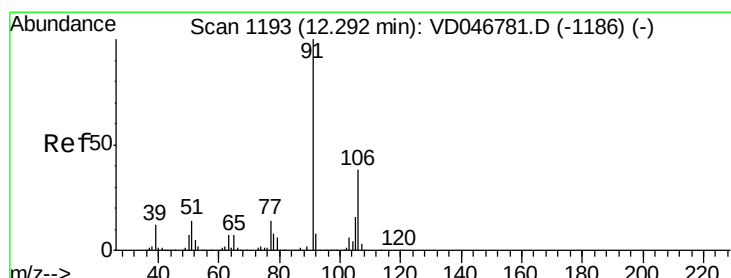
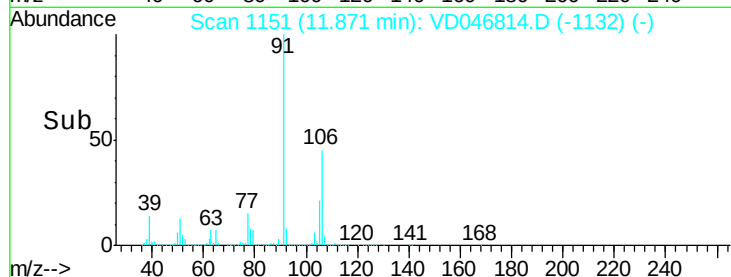
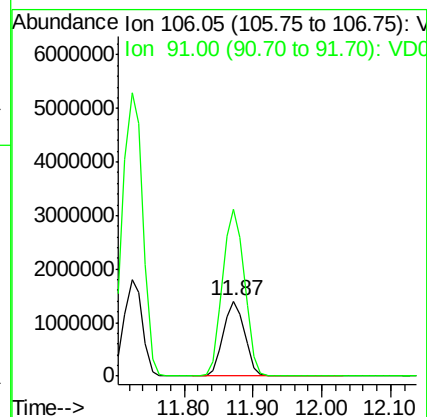
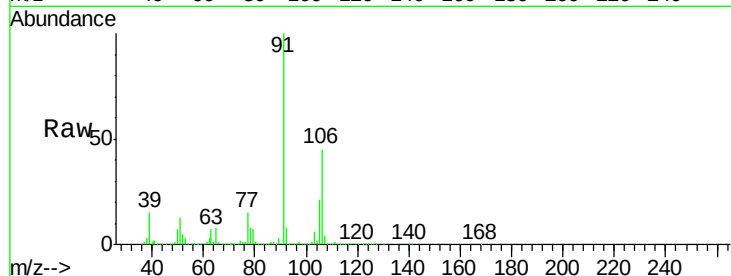




#68
m/p-Xylenes
Concen: 1808.88 ug/l
RT: 11.87 min Scan# 1151
Delta R.T. -0.02 min
Lab File: VD046814.D
Acq: 21 Sep 2015 18:26

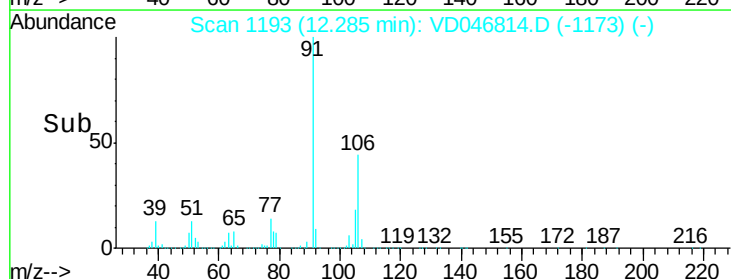
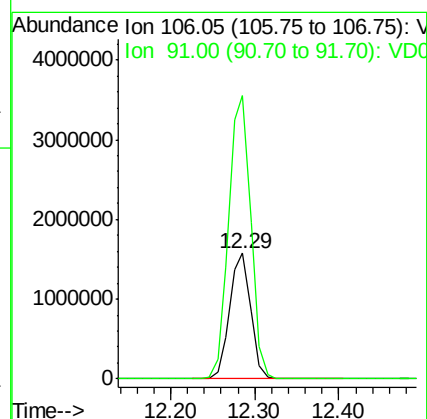
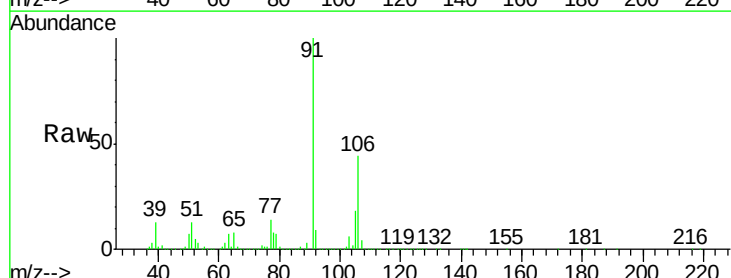
Instrument :
MSVOA_D
ClientSampleId :
MGP205-10-12

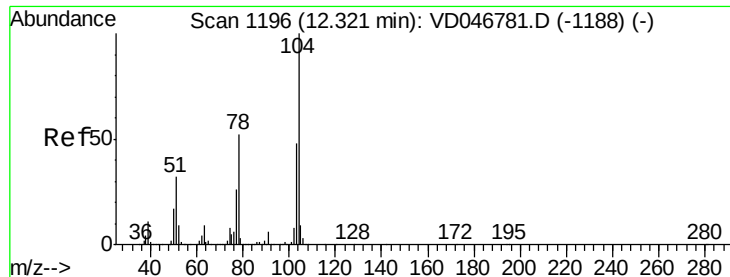
Tot Ion:106 Resp: 2992608
Ion Ratio Lower Upper
106 100
91 222.1 187.9 281.9



#69
o-Xylene
Concen: 1830.70 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VD046814.D
Acq: 21 Sep 2015 18:26

Tgt Ion:106 Resp: 2726412
Ion Ratio Lower Upper
106 100
91 225.9 124.8 374.5





#70

Stvrene

Concen: 72.30 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. -0.04 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Instrument :

MSVOA_D

ClientSampleId :

MGP205-10-12

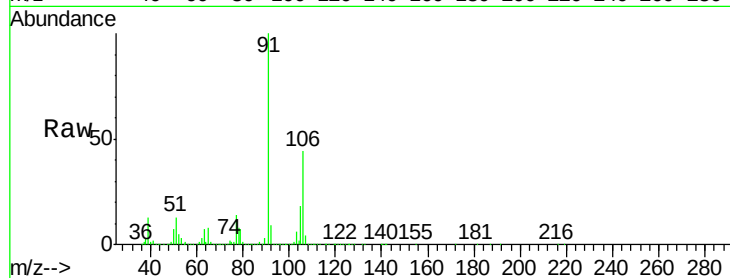
Tot Ion:104 Resp: 186682

Ion Ratio Lower Upper

104 100

78 338.4 44.5 66.7#

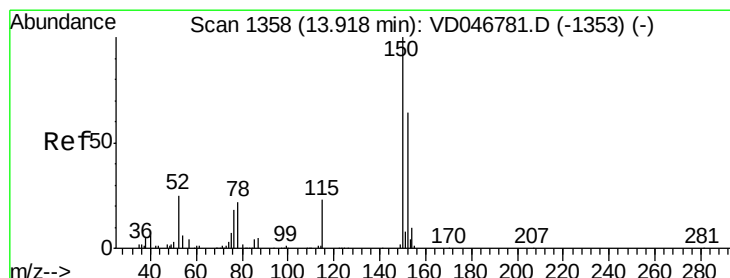
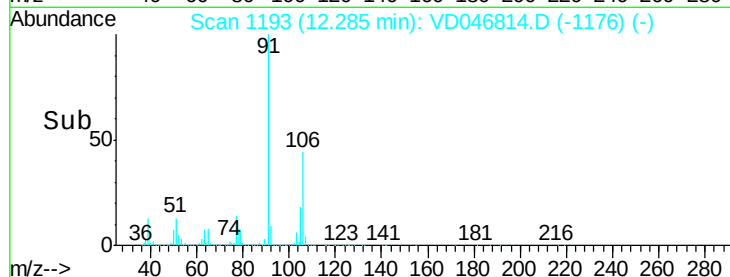
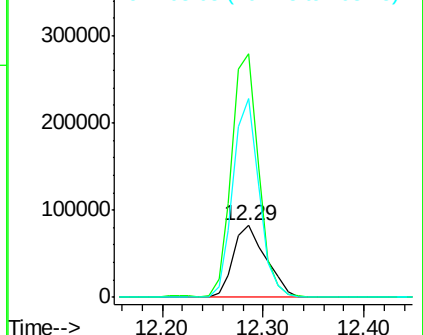
103 276.5 40.3 60.5#



Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.91 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

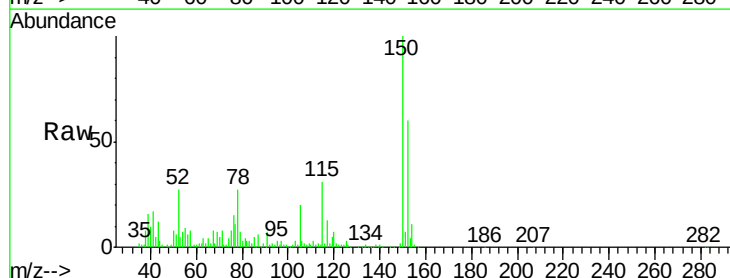
Tgt Ion:152 Resp: 41038

Ion Ratio Lower Upper

152 100

115 50.6 26.2 78.6

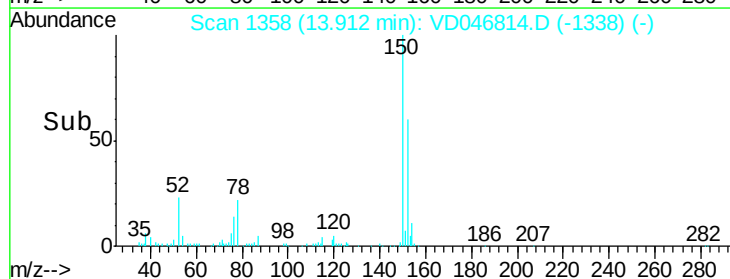
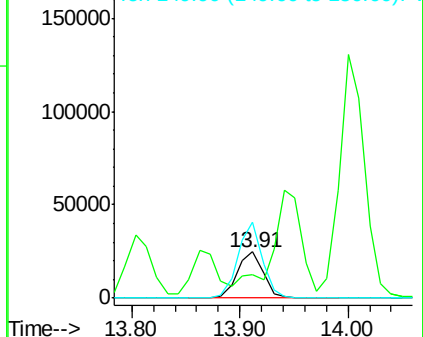
150 165.5 0.0 311.8

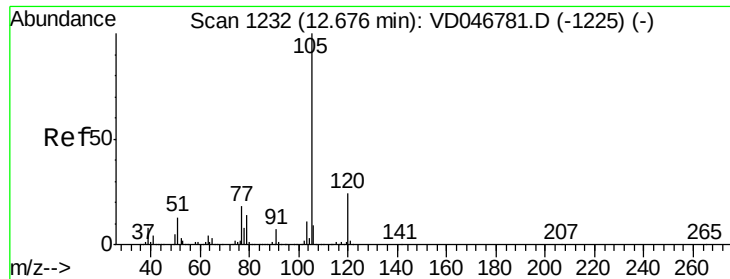


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 527.40 ug/l

RT: 12.66 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Instrument :

MSVOA_D

ClientSampleId :

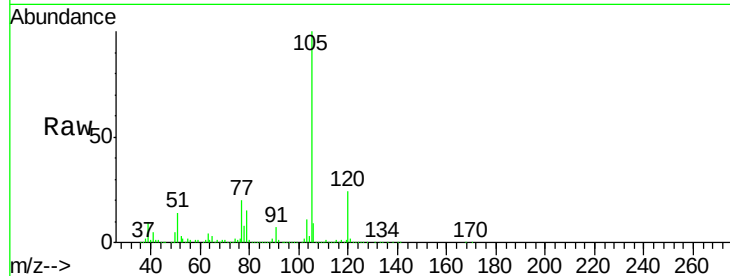
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Tot Ion:105 Resp: 1525702

Ion Ratio Lower Upper

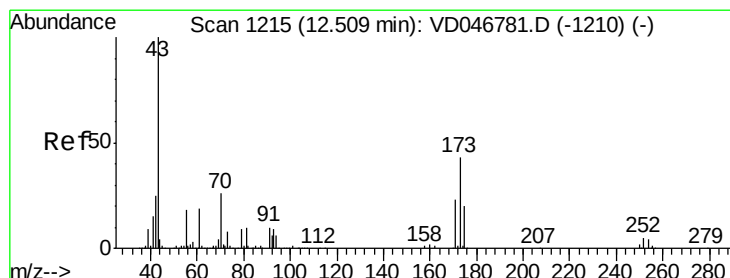
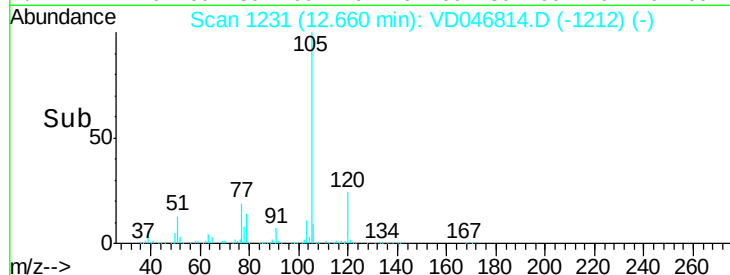
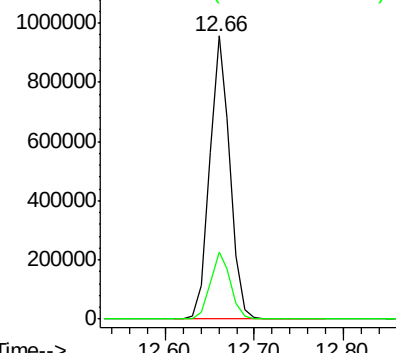
105 100

120 23.5 12.4 37.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 221.56 ug/l

RT: 12.56 min Scan# 1221

Delta R.T. 0.05 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Tgt Ion: 43 Resp: 174173

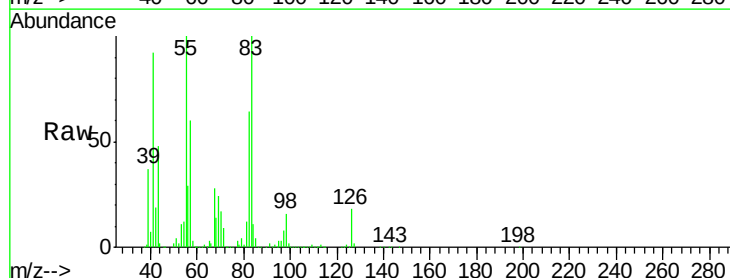
Ion Ratio Lower Upper

43 100

70 34.2 22.1 33.1#

55 206.9 14.5 21.7#

61 0.3 14.6 21.8#

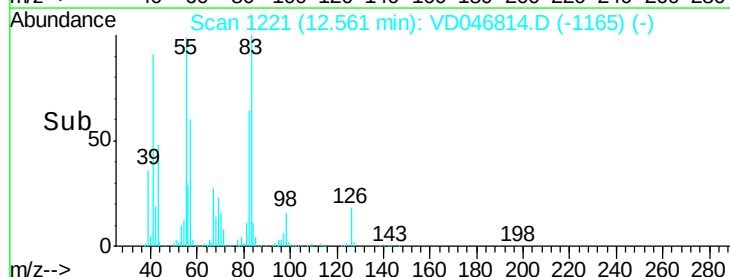
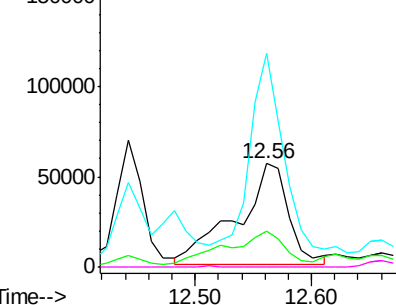


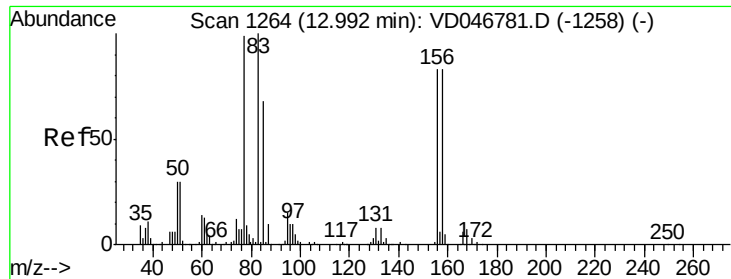
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 35.35 ug/l

RT: 13.01 min Scan# 1267

Delta R.T. 0.02 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Instrument :

MSVOA_D

ClientSampleId :

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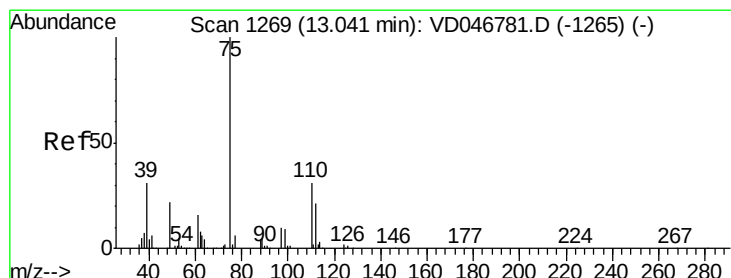
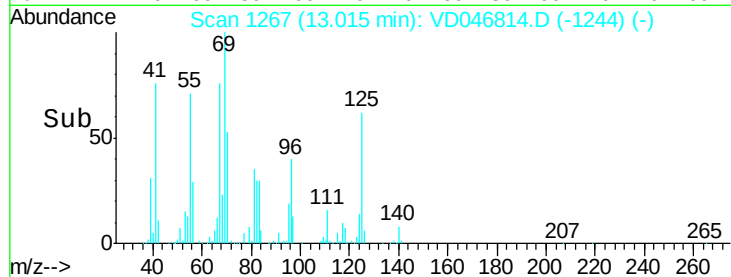
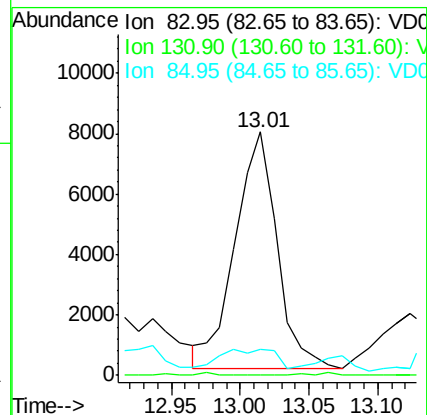
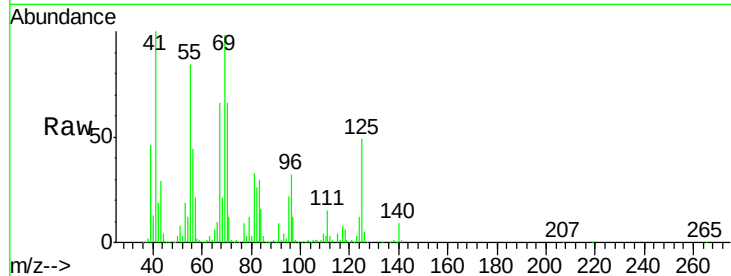
Tot Ion: 83 Resp: 16505

Ion Ratio Lower Upper

83 100

131 0.0 3.9 11.7#

85 10.6 30.5 91.5#



#76

1,2,3-Trichloropropane

Concen: 9.81 ug/l

RT: 13.06 min Scan# 1272

Delta R.T. 0.02 min

Lab File: VD046814.D

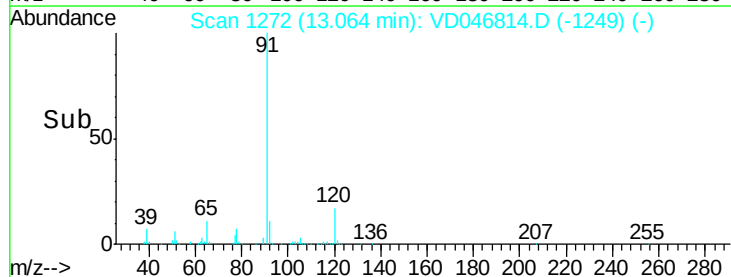
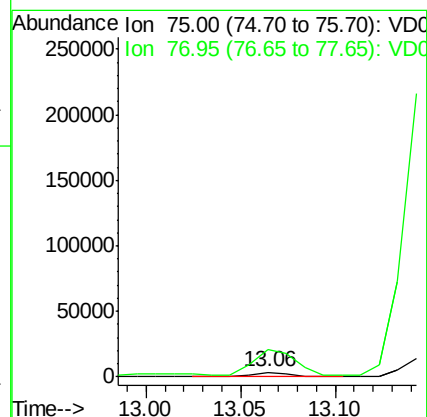
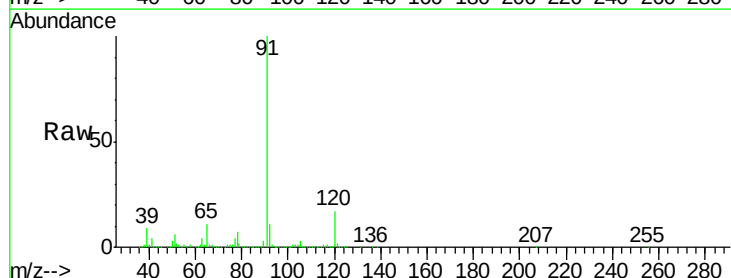
Acq: 21 Sep 2015 18:26

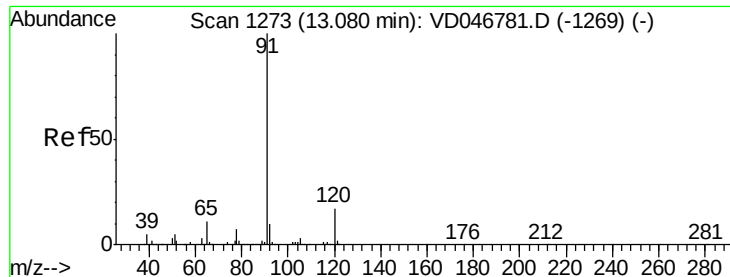
Tgt Ion: 75 Resp: 4898

Ion Ratio Lower Upper

75 100

77 602.2 16.0 48.0#





#78

n-propylbenzene

Concen: 189.59 ug/l

RT: 13.06 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Instrument :

MSVOA_D

ClientSampleId :

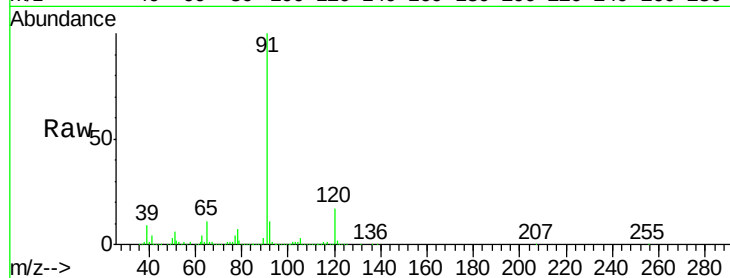
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Tot Ion: 91 Resp: 774513

Ion Ratio Lower Upper

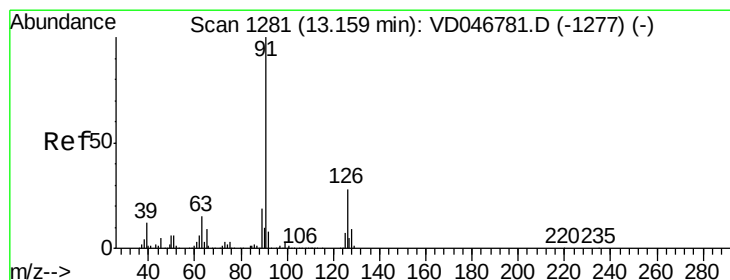
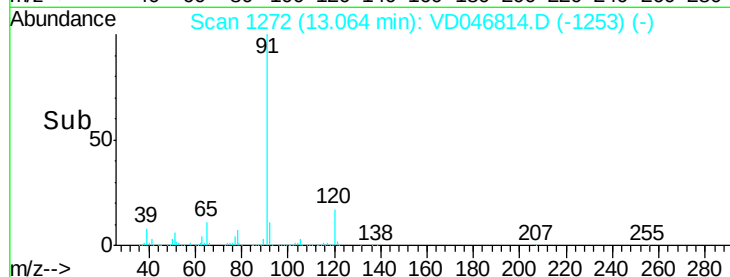
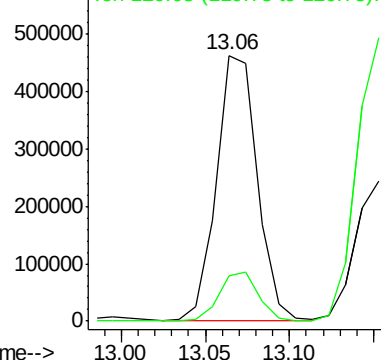
91 100

120 16.9 9.3 27.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 192.51 ug/l

RT: 13.15 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD046814.D

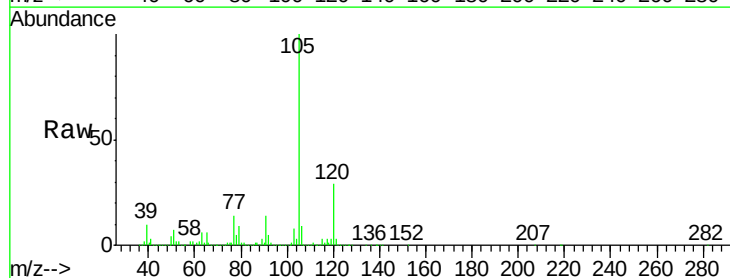
Acq: 21 Sep 2015 18:26

Tgt Ion: 91 Resp: 436622

Ion Ratio Lower Upper

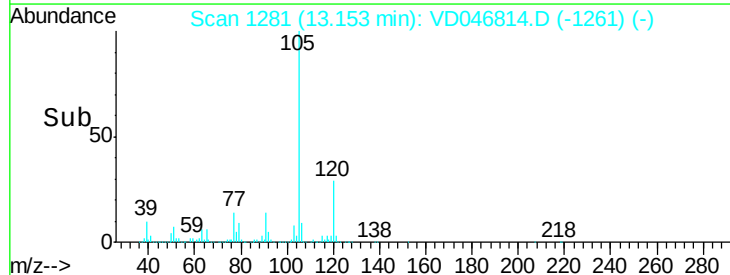
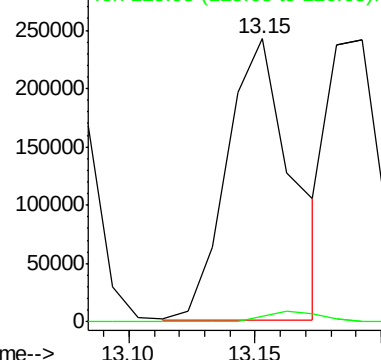
91 100

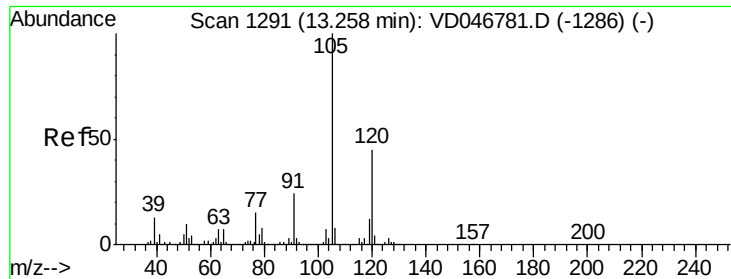
126 1.8 14.1 42.4#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

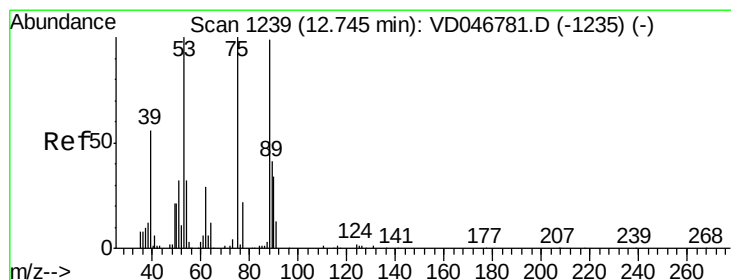
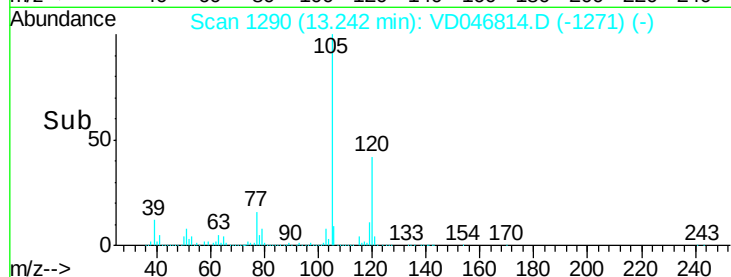
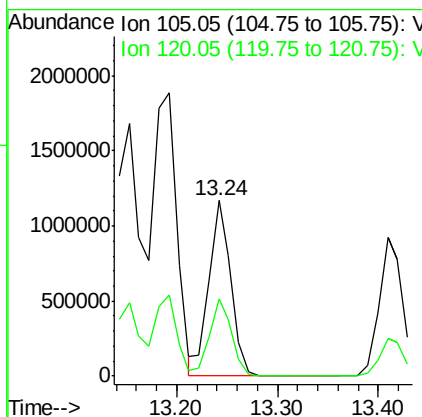
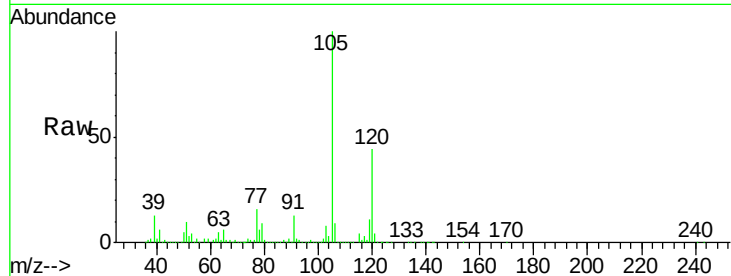




#80
 1,3,5-Trimethylbenzene
 Concen: 768.68 ug/l
 RT: 13.24 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: VD046814.D
 Acq: 21 Sep 2015 18:26

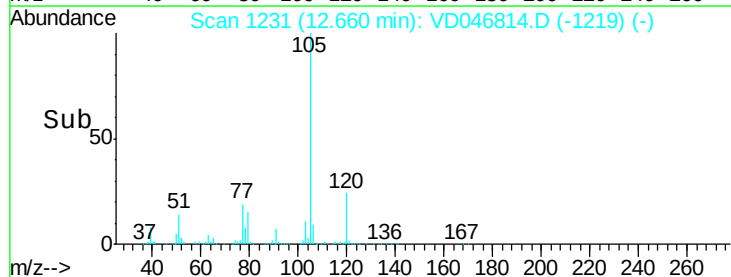
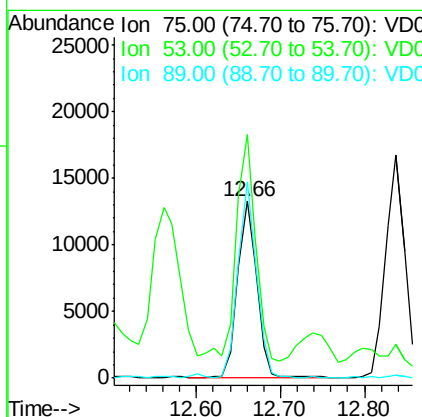
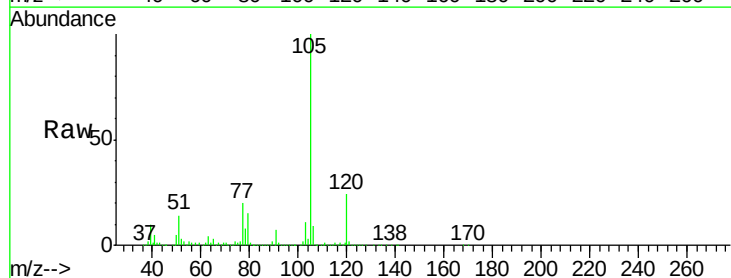
Instrument :
 MSVOA_D
 ClientSampleId :
 MGP205-10-12

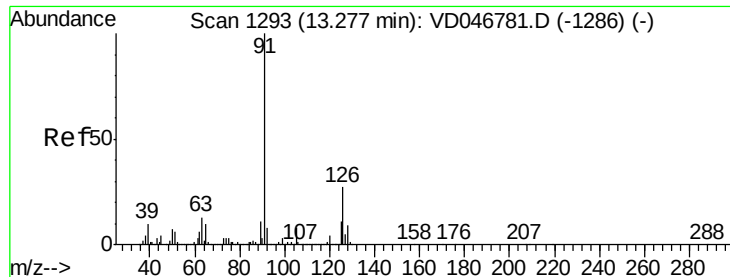
Tot Ion:105 Resp: 1772009
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.3 66.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.09 ug/l
 RT: 12.66 min Scan# 1231
 Delta R.T. -0.09 min
 Lab File: VD046814.D
 Acq: 21 Sep 2015 18:26

Tgt Ion: 75 Resp: 21304
 Ion Ratio Lower Upper
 75 100
 53 138.0 82.3 123.5#
 89 111.6 36.6 54.8#





#82

4-Chlorotoluene

Concen: 81.45 ug/l

RT: 13.24 min Scan# 1290

Delta R.T. -0.04 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Instrument :

MSVOA_D

ClientSampleId :

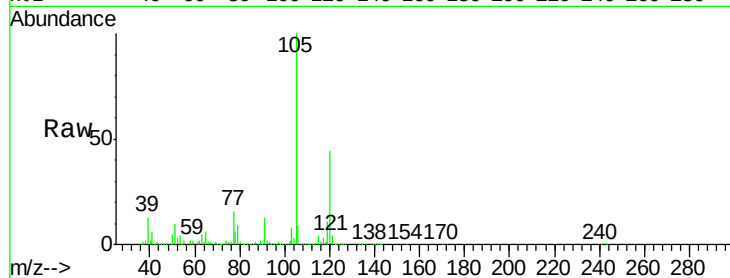
MGP205-10-12

Tot Ion: 91 Resp: 219873

Ion Ratio Lower Upper

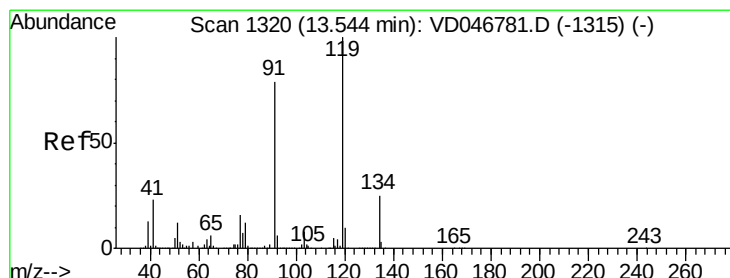
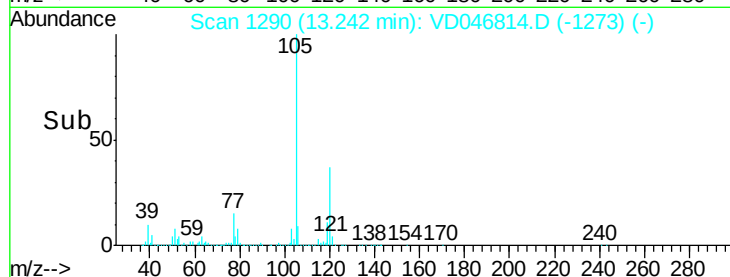
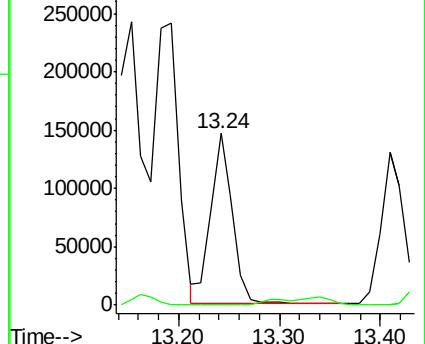
91 100

126 0.1 14.1 42.4#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#83

tert-Butylbenzene

Concen: 305.51 ug/l

RT: 13.59 min Scan# 1325

Delta R.T. 0.04 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

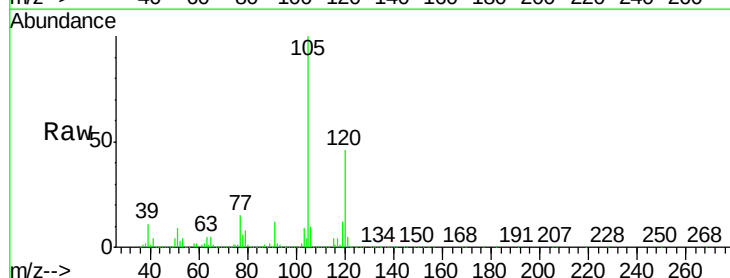
Tgt Ion: 119 Resp: 635052

Ion Ratio Lower Upper

119 100

91 100.8 41.6 124.9

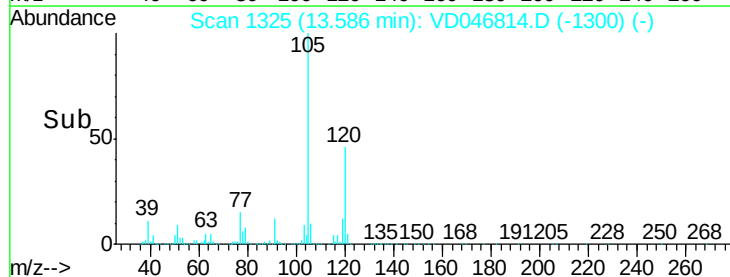
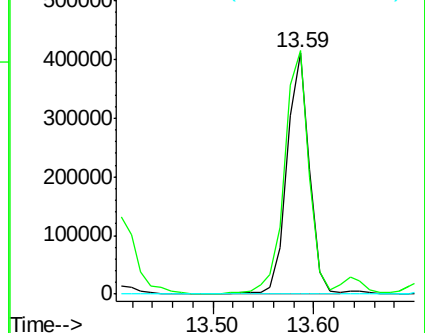
134 0.0 12.4 37.4#

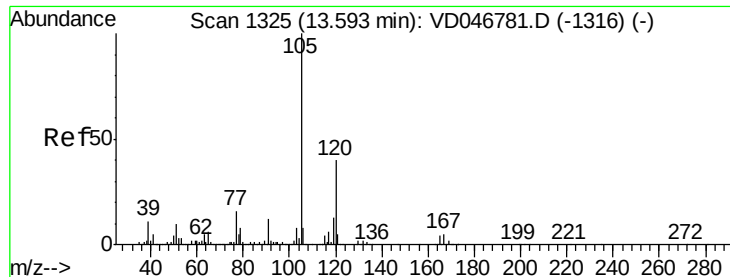


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 2294.99 ug/l

RT: 13.59 min Scan# 1325

Delta R.T. -0.01 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Instrument :

MSVOA_D

ClientSampleId :

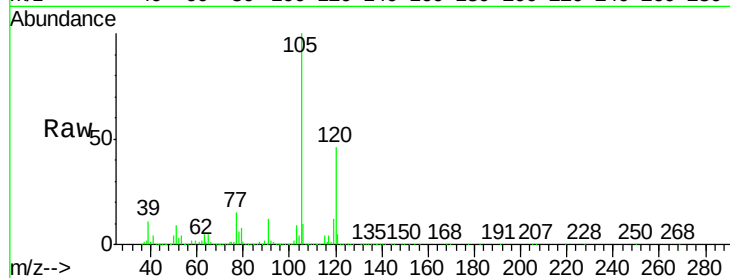
MGP205-10-12

Tot Ion:105 Resp: 5325752

Ion Ratio Lower Upper

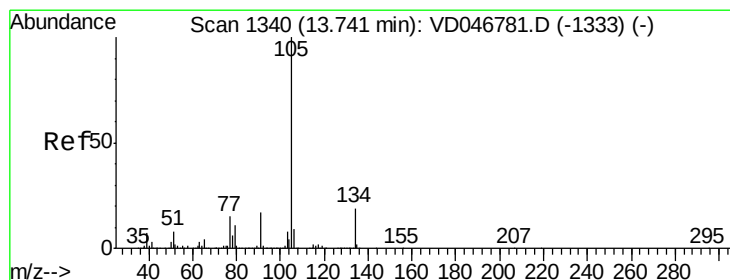
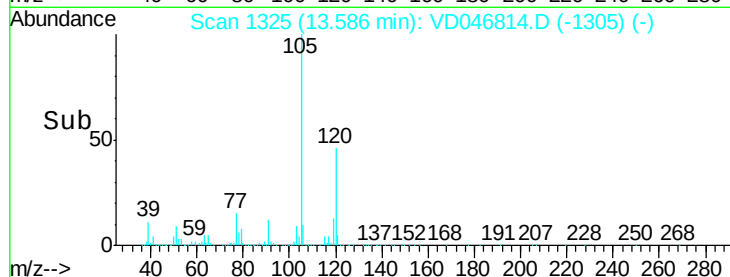
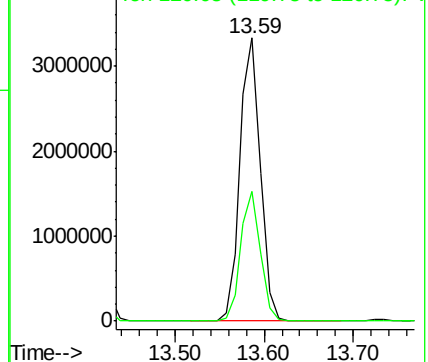
105 100

120 45.9 21.1 63.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#85

sec-Butylbenzene

Concen: 1721.62 ug/l

RT: 13.59 min Scan# 1325

Delta R.T. -0.15 min

Lab File: VD046814.D

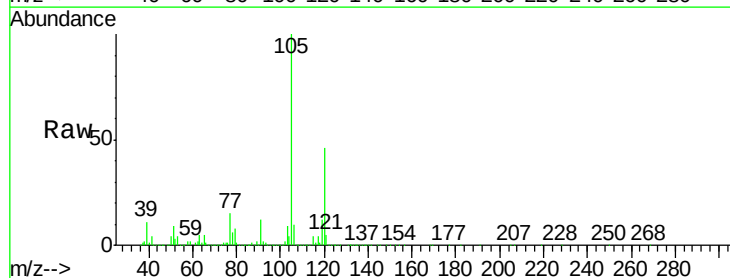
Acq: 21 Sep 2015 18:26

Tgt Ion:105 Resp: 5259643

Ion Ratio Lower Upper

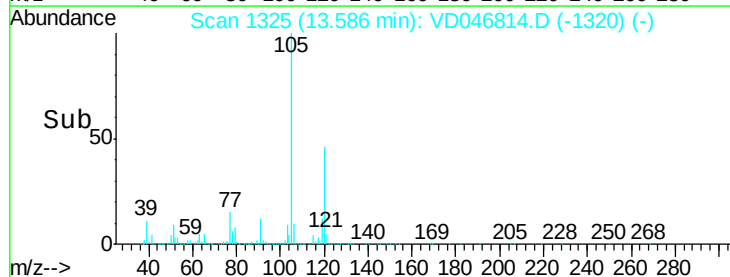
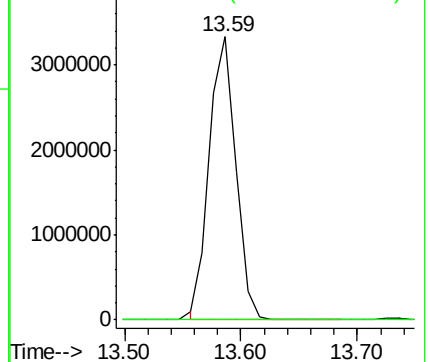
105 100

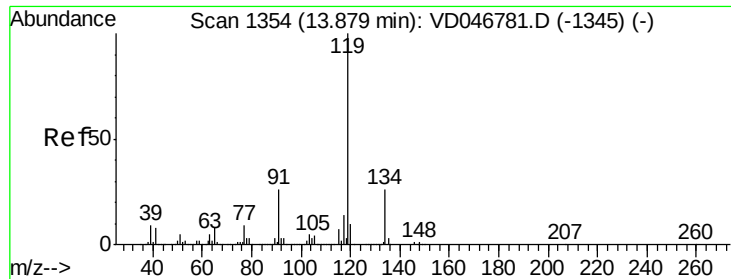
134 0.0 10.1 30.3#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

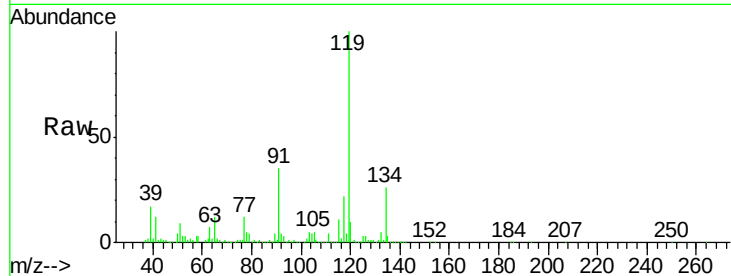




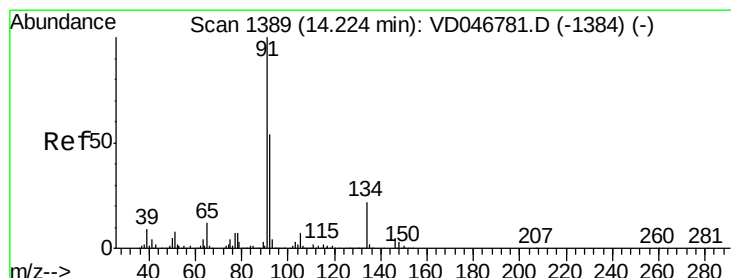
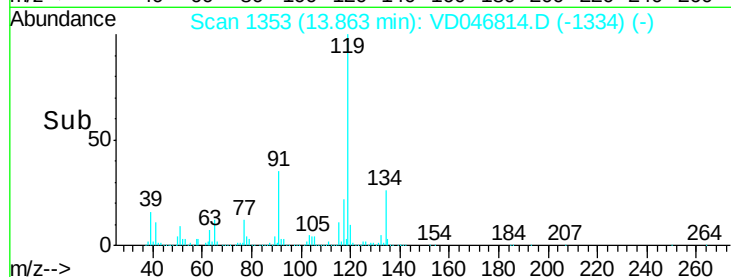
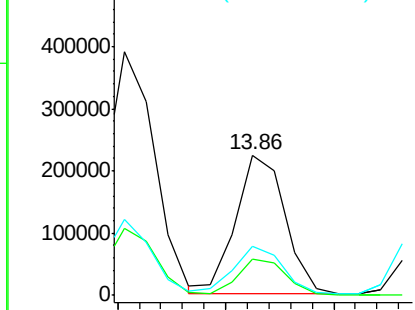
#86
 p-Isopropyltoluene
 Concen: 149.49 ug/l
 RT: 13.86 min Scan# 1353
 Delta R.T. -0.02 min
 Lab File: VD046814.D
 Acq: 21 Sep 2015 18:26

Instrument :
 MSVOA_D
 ClientSampleId :
 MGP205-10-12

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	35.4	13.8	41.3

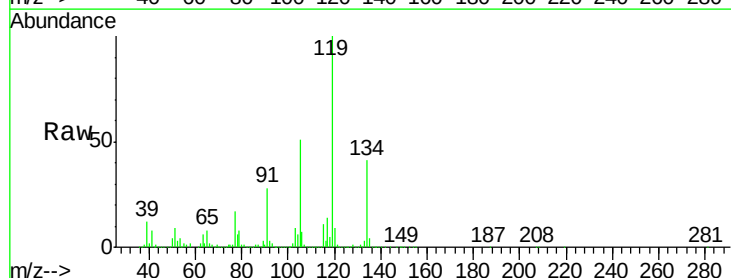


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

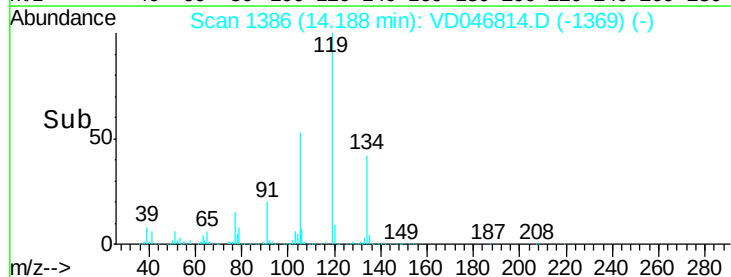
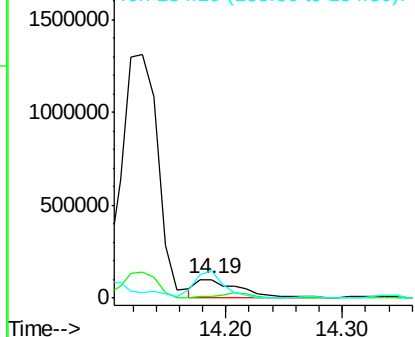


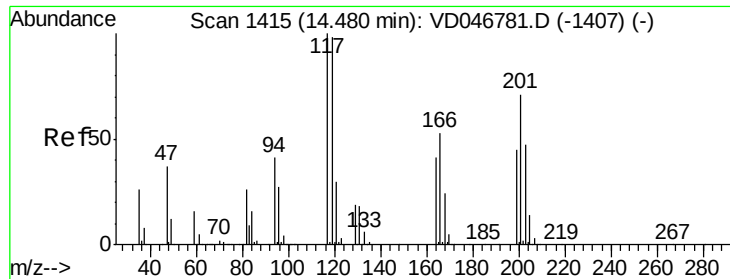
#89
 n-Butylbenzene
 Concen: 91.69 ug/l
 RT: 14.19 min Scan# 1386
 Delta R.T. -0.04 min
 Lab File: VD046814.D
 Acq: 21 Sep 2015 18:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	11.0	27.1	81.2#
134	146.9	9.6	28.6#



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: 231.46 ug/l

RT: 14.49 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Instrument :

MSVOA_D

ClientSampleId :

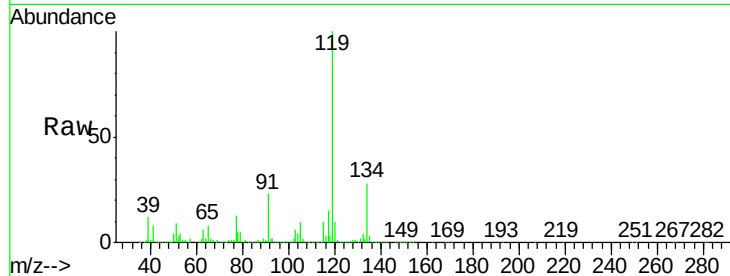
MGP205-10-12

Tot Ion:117 Resp: 128846

Ion Ratio Lower Upper

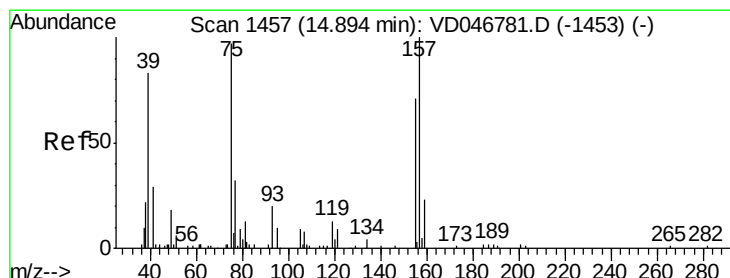
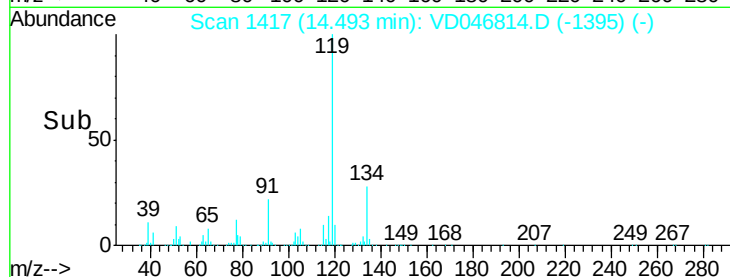
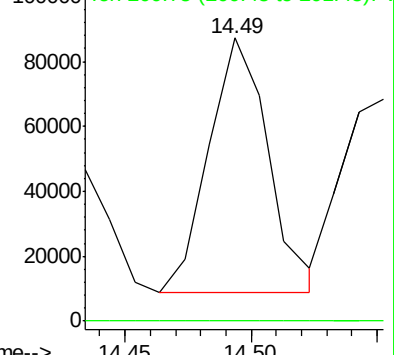
117 100

201 0.0 41.0 123.0#



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: 295.41 ug/l

RT: 14.87 min Scan# 1455

Delta R.T. -0.03 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

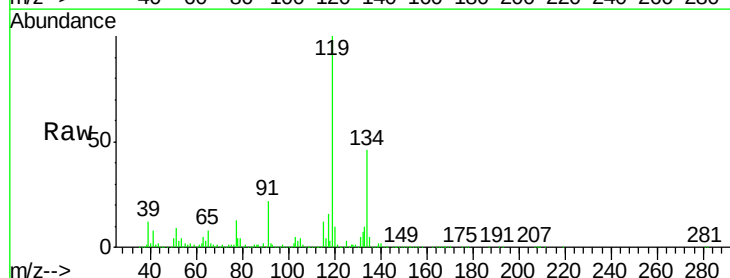
Tgt Ion: 75 Resp: 17724

Ion Ratio Lower Upper

75 100

155 1.9 41.4 124.4#

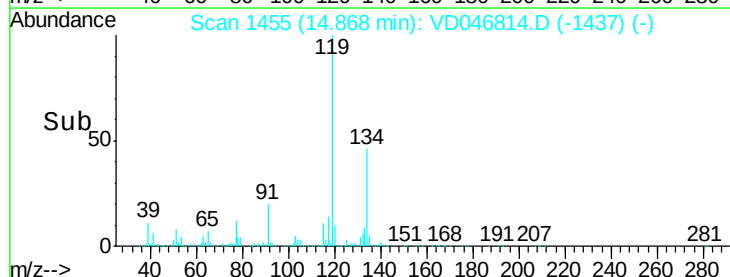
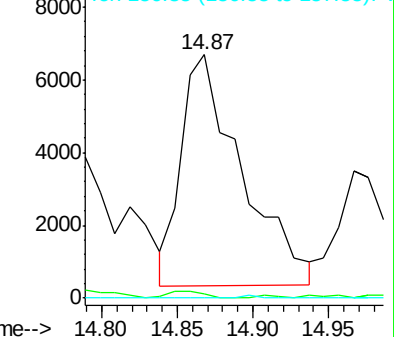
157 0.0 65.0 195.1#

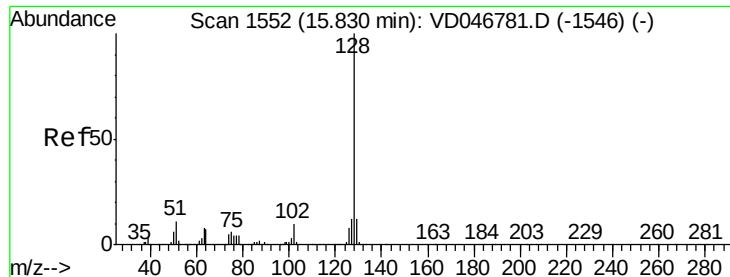


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V





#95

Naphthalene

Concen: 27216.25 ug/l

RT: 15.83 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

Instrument :

MSVOA_D

ClientSampleId :

MGP205-10-12

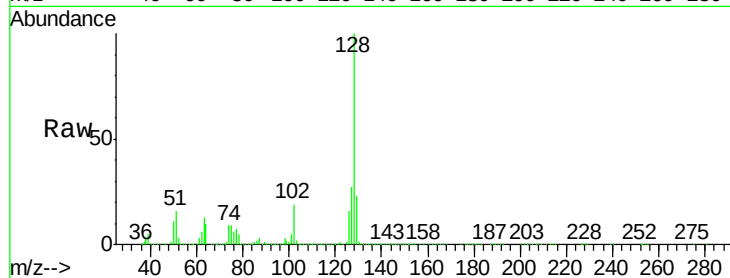
Tot Ion:128 Resp:24830305

Ion Ratio Lower Upper

128 100

127 27.0 9.8 14.6#

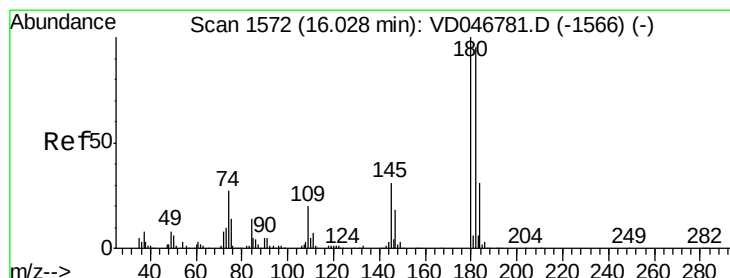
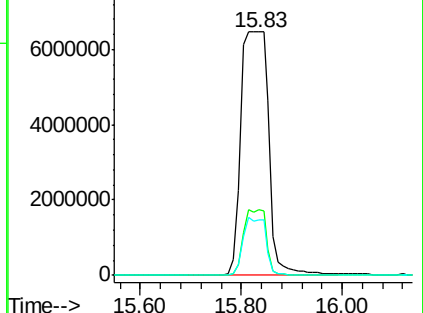
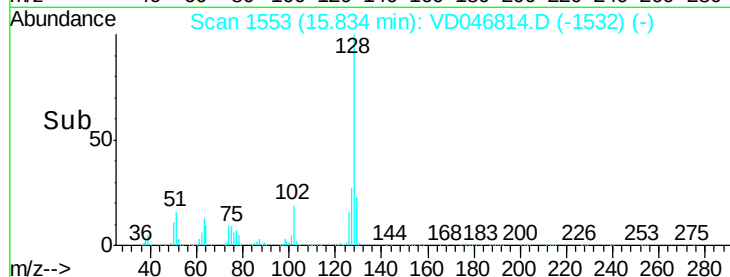
129 22.8 8.6 12.8#



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



#96

1,2,3-Trichlorobenzene

Concen: 1.38 ug/l

RT: 16.04 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VD046814.D

Acq: 21 Sep 2015 18:26

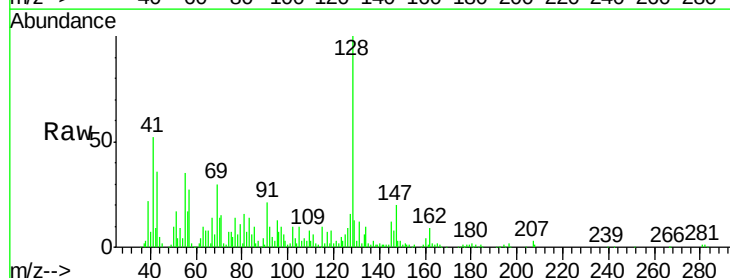
Tgt Ion:180 Resp: 759

Ion Ratio Lower Upper

180 100

182 39.2 47.4 142.3#

145 581.8 15.4 46.4#



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

