

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092315\
 Data File : VD046856.D
 Acq On : 23 Sep 2015 15:36
 Operator : FY/SY
 Sample : G3779-02
 Misc : 4.98µm/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S1-30

Quant Time: Sep 24 01:46:49 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	6.30	168	152224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	209052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.56	117	200205	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.91	152	102816	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.70	65	72510	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
35) Dibromofluoromethane	6.20	113	68696	42.00	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	84.00%	
50) Toluene-d8	9.61	98	183493	35.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.12%	
62) 4-Bromofluorobenzene	12.83	95	78858	37.96	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	75.92%	

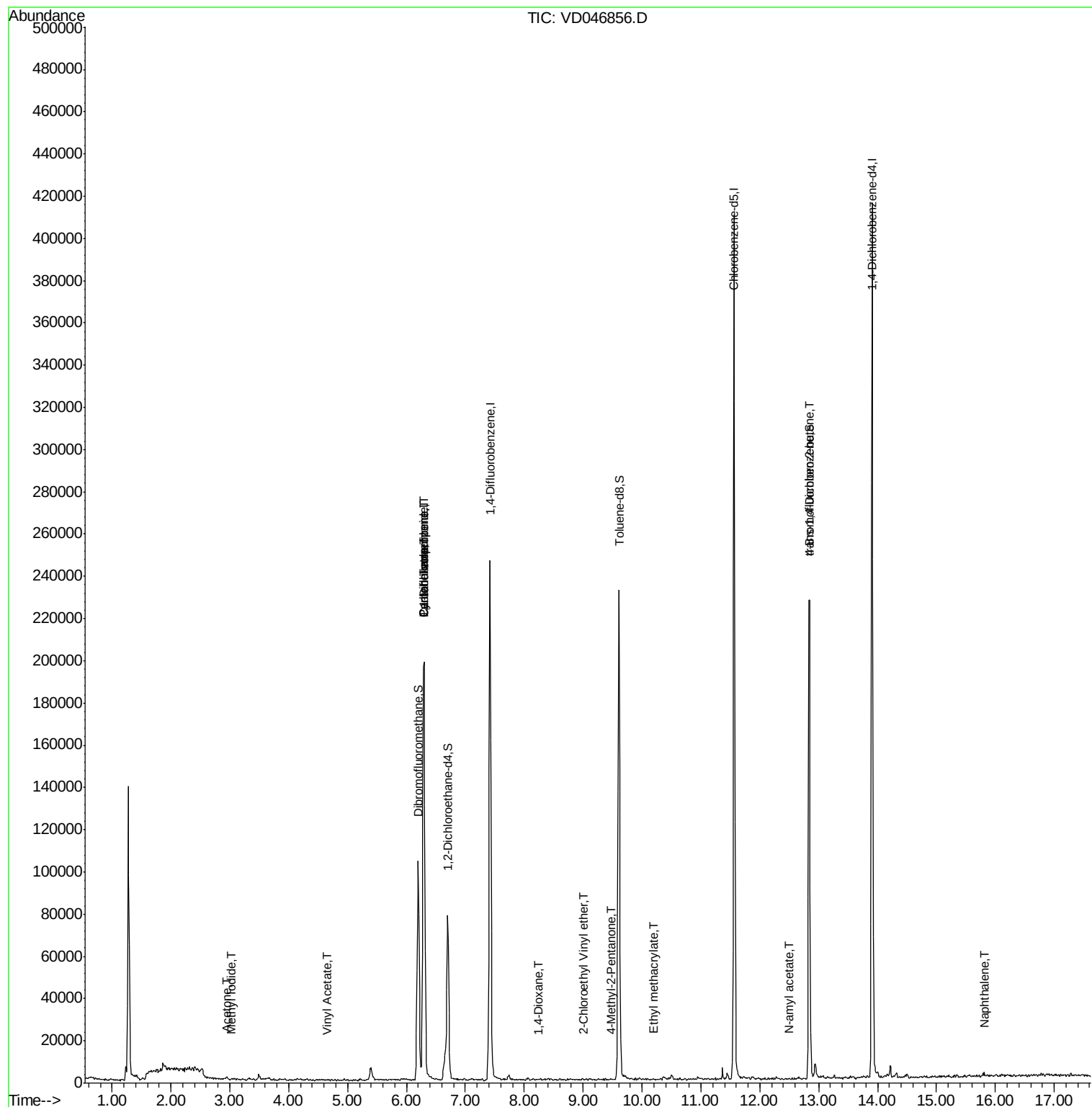
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.42	85	790	Below Cal	#	69
3) Chlorodifluoromethane	1.43	51	202	Below Cal		96
6) Bromomethane	1.98	94	257	Below Cal	#	33
11) Methyl Iodide	3.03	142	34	1.76	ug/l	# 35
12) Tert butyl alcohol	3.68	59	265	Below Cal	#	74
17) Acetone	2.95	43	1344	5.03	ug/l	97
24) Vinyl Acetate	4.65	43	255	15.24	ug/l	# 82
31) Cyclohexane	6.29	56	4219	1.78	ug/l	# 1
36) 1,1-Dichloropropene	6.29	75	15251	6.24	ug/l	# 52
38) Carbon Tetrachloride	6.29	117	14883	5.86	ug/l	# 18
49) 1,4-Dioxane	8.22	88	38	6.50	ug/l	# 20
51) 4-Methyl-2-Pentanone	9.47	43	782	1.05	ug/l	97
56) Ethyl methacrylate	10.20	69	151	4.01	ug/l	# 66
58) 2-Chloroethyl Vinyl ether	9.01	63	106	6.54	ug/l	# 53
74) N-amyl acetate	12.48	43	78	4.75	ug/l	# 28
81) trans-1,4-Dichloro-2-buten	12.83	75	40524	112.58	ug/l	# 9
95) Naphthalene	15.81	128	1053	2.84	ug/l	# 76

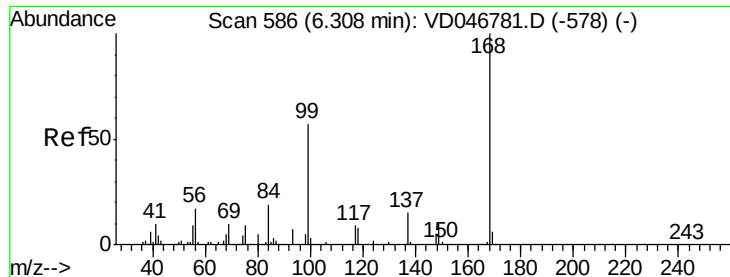
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.30 min Scan# 585

Delta R.T. -0.01 min

Lab File: VD046856.D

Acq: 23 Sep 2015 15:36

Instrument :

MSVOA_D

ClientSampleId :

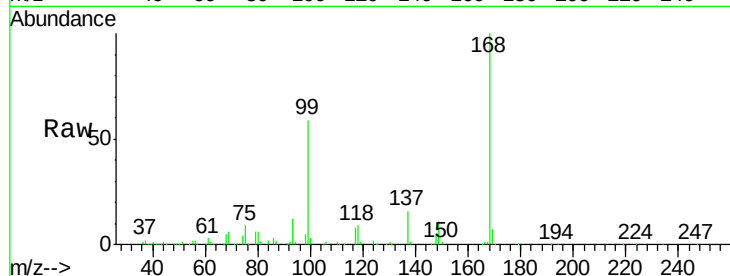
S1-30

Tot Ion:168 Resp: 152224

Ion Ratio Lower Upper

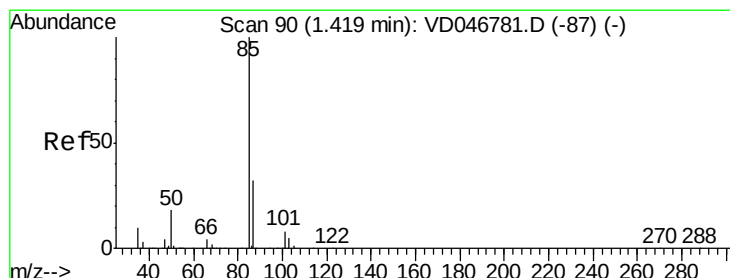
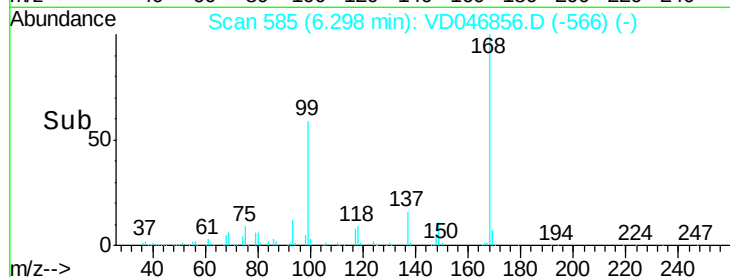
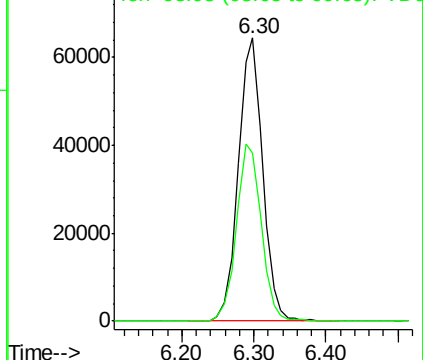
168 100

99 59.4 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VD046856.D

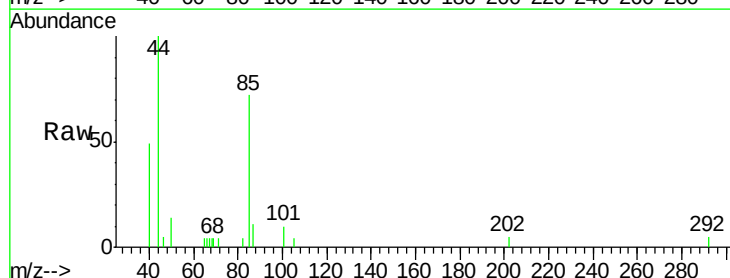
Acq: 23 Sep 2015 15:36

Tgt Ion: 85 Resp: 790

Ion Ratio Lower Upper

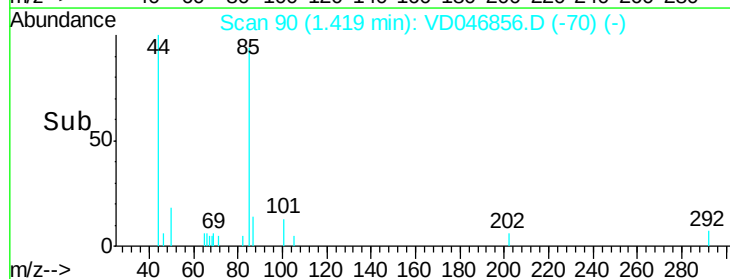
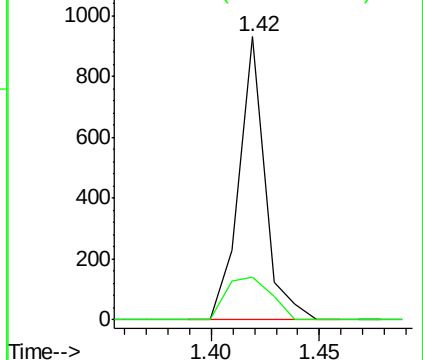
85 100

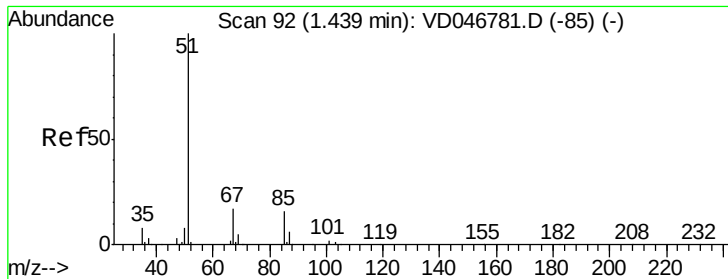
87 14.9 16.2 48.5#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: Below Cal

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VD046856.D

Acq: 23 Sep 2015 15:36

Instrument :

MSVOA_D

ClientSampleId :

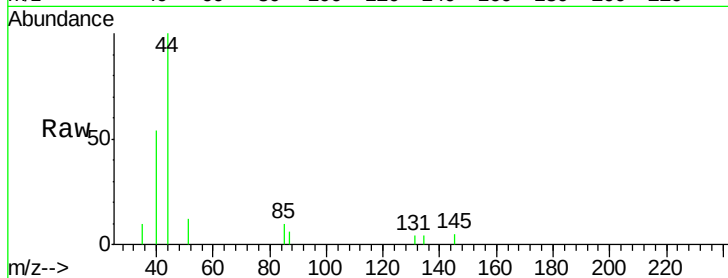
S1-30

Tot Ion: 51 Resp: 202

Ion Ratio Lower Upper

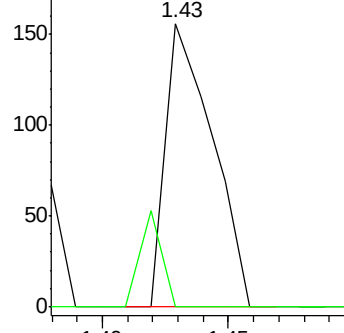
51 100

67 15.3 10.9 16.3

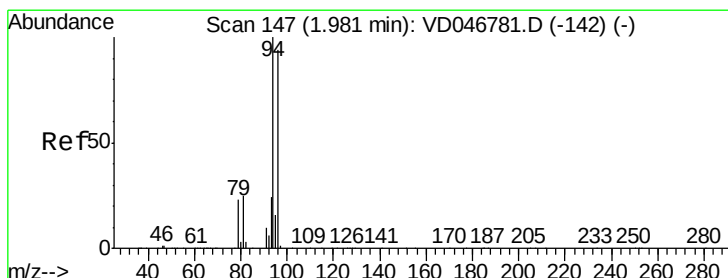
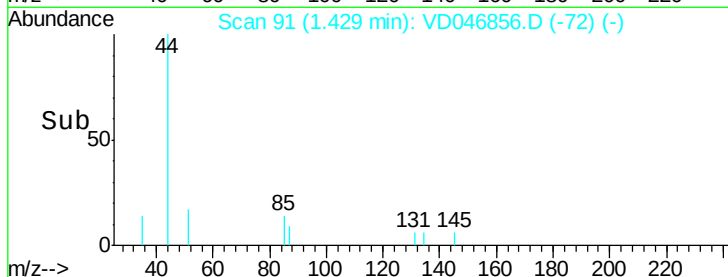


Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC



Time-->



#6

Bromomethane

Concen: Below Cal

RT: 1.98 min Scan# 147

Delta R.T. 0.00 min

Lab File: VD046856.D

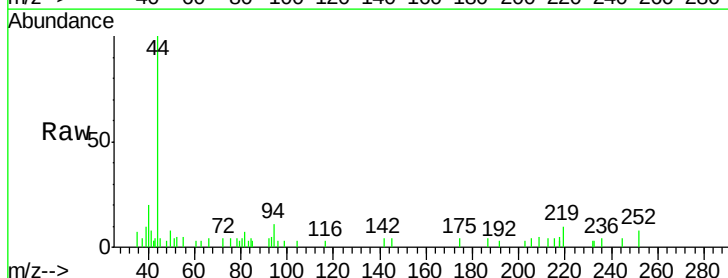
Acq: 23 Sep 2015 15:36

Tgt Ion: 94 Resp: 257

Ion Ratio Lower Upper

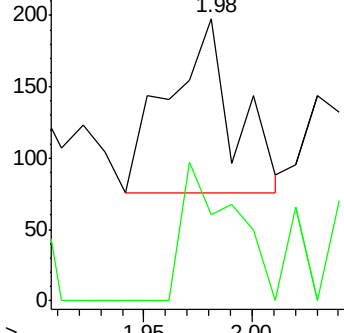
94 100

96 30.3 76.0 114.0#

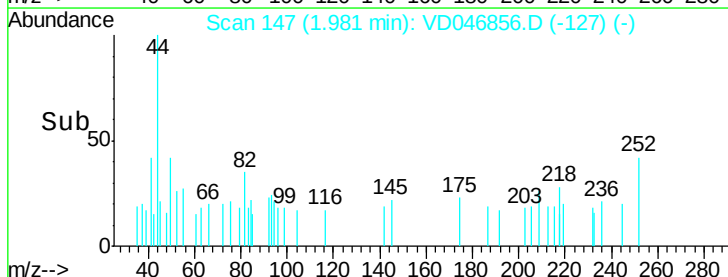


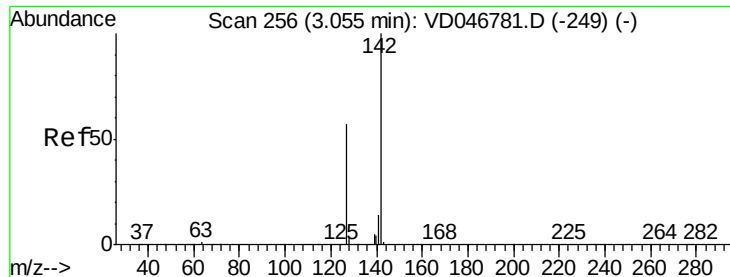
Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->

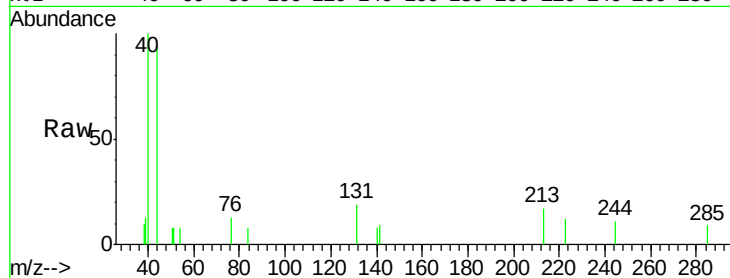




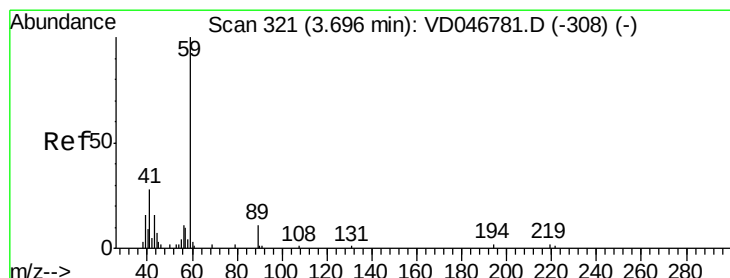
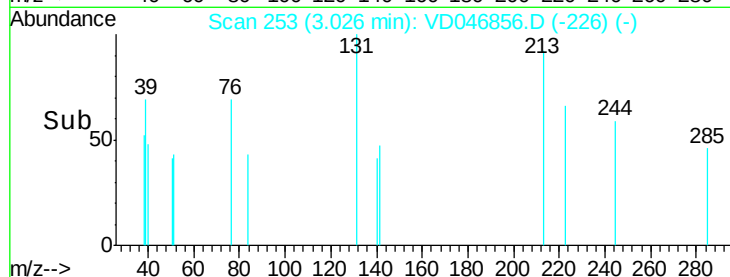
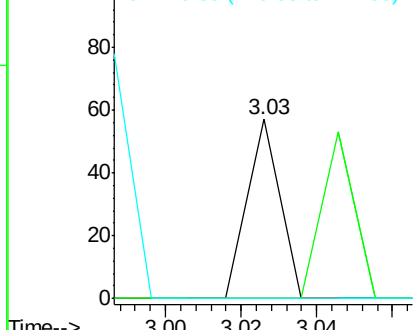
#11
Methvl Iodide
Concen: 1.76 ua/l
RT: 3.03 min Scan# 253
Delta R.T. -0.03 min
Lab File: VD046856.D
Acq: 23 Sep 2015 15:36

Instrument :
MSVOA_D
ClientSampleId :
S1-30

Tot Ion:142 Resp: 34
Ion Ratio Lower Upper
142 100
127 0.0 41.2 61.8#
141 0.0 11.6 17.4#

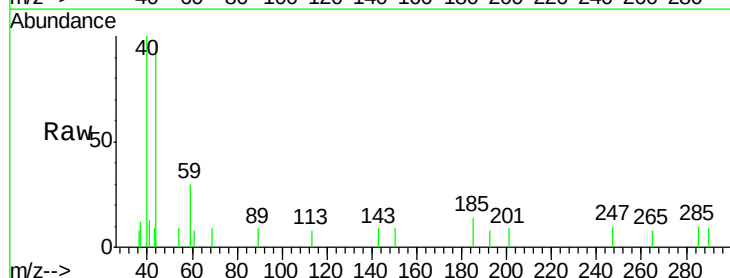


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

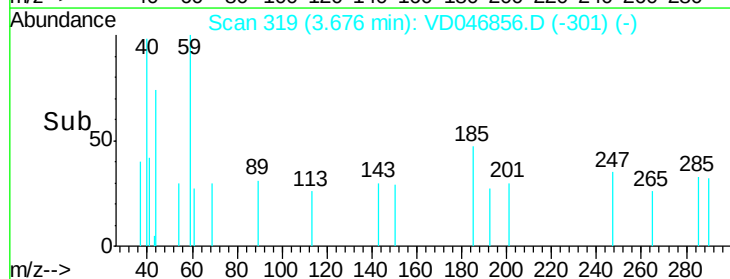
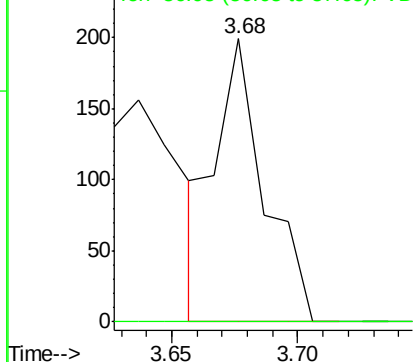


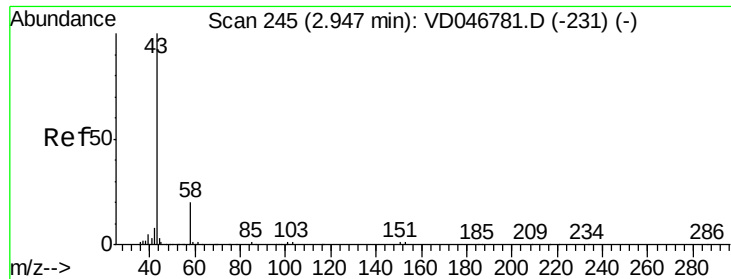
#12
Tert butyl alcohol
Concen: Below Cal
RT: 3.68 min Scan# 319
Delta R.T. -0.02 min
Lab File: VD046856.D
Acq: 23 Sep 2015 15:36

Tgt Ion: 59 Resp: 265
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





#17

Acetone

Concen: 5.03 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.00 min

Lab File: VD046856.D

Acq: 23 Sep 2015 15:36

Instrument :

MSVOA_D

ClientSampleId :

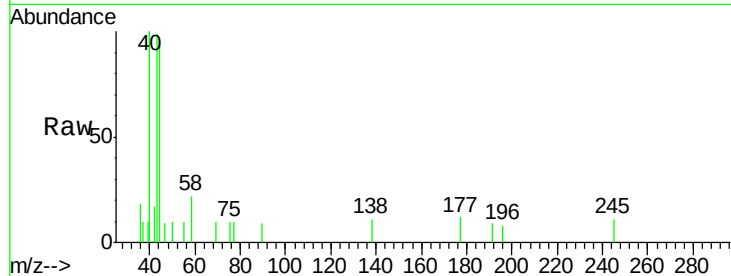
S1-30

Tot Ion: 43 Resp: 1344

Ion Ratio Lower Upper

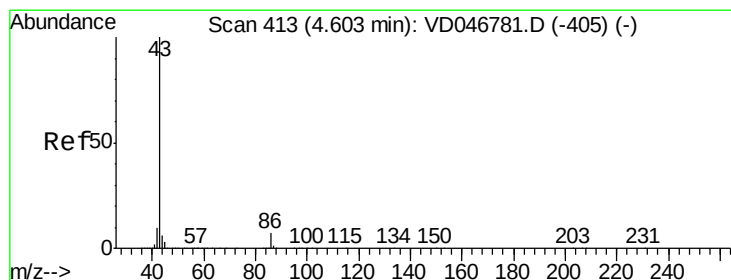
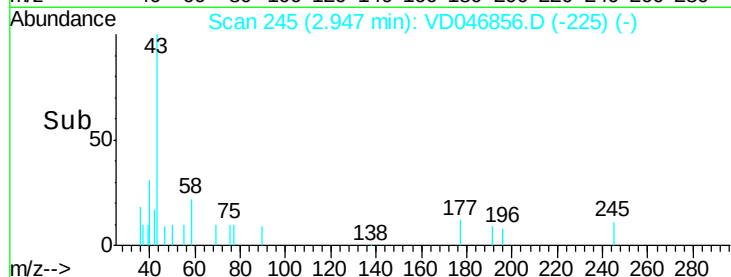
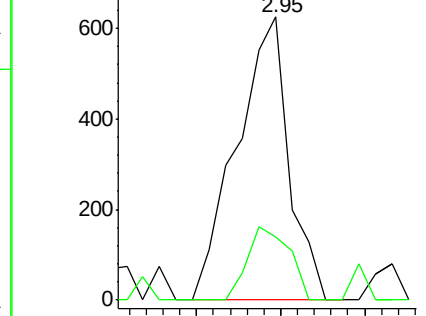
43 100

58 22.1 16.6 24.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#24

Vinyl Acetate

Concen: 15.24 ug/l

RT: 4.65 min Scan# 418

Delta R.T. 0.05 min

Lab File: VD046856.D

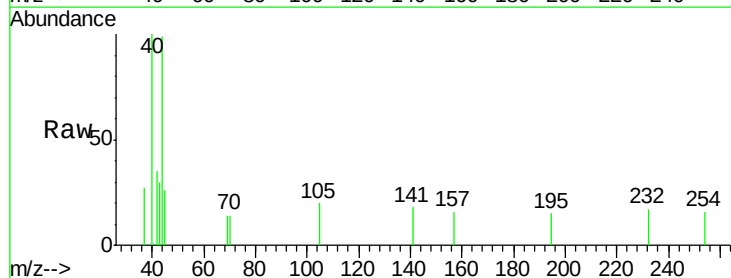
Acq: 23 Sep 2015 15:36

Tgt Ion: 43 Resp: 255

Ion Ratio Lower Upper

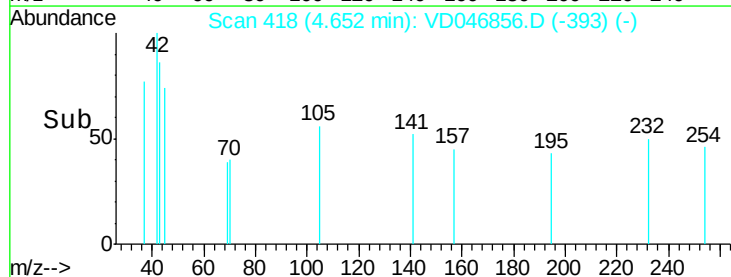
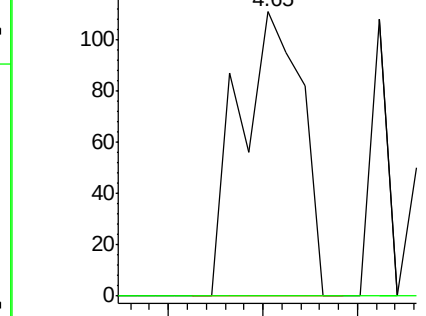
43 100

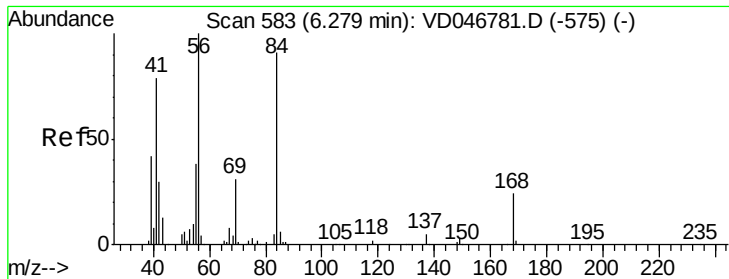
86 0.0 4.9 7.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

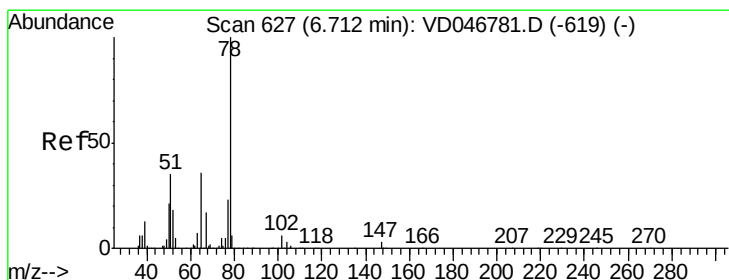
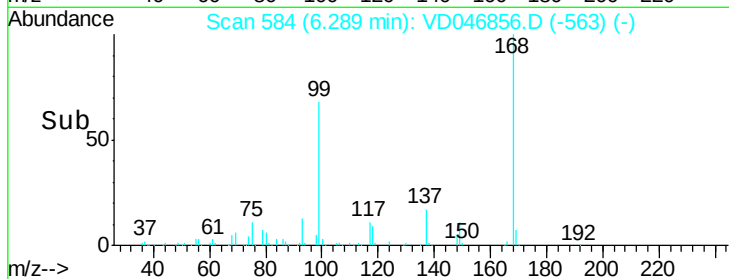
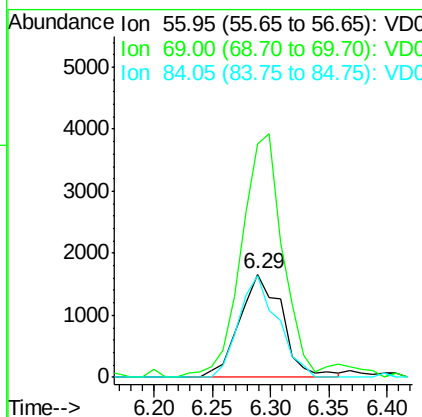
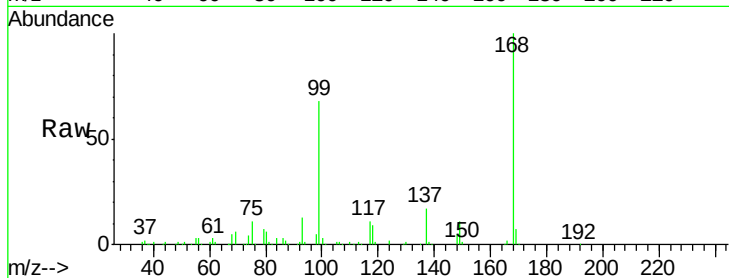




#31
Cyclohexane
Concen: 1.78 ug/l
RT: 6.29 min Scan# 584
Delta R.T. 0.01 min
Lab File: VD046856.D
Acq: 23 Sep 2015 15:36

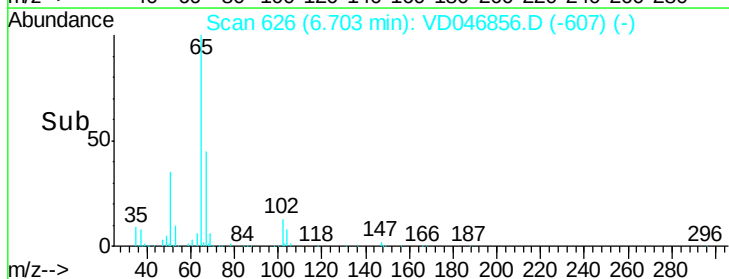
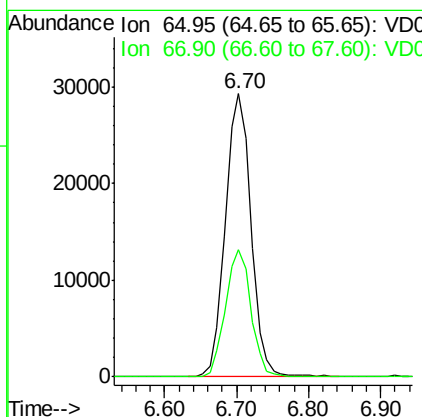
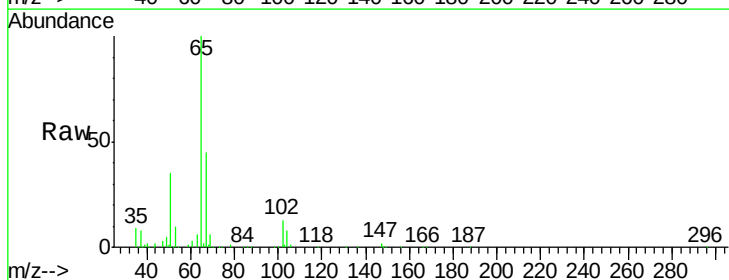
Instrument :
MSVOA_D
ClientSampleId :
S1-30

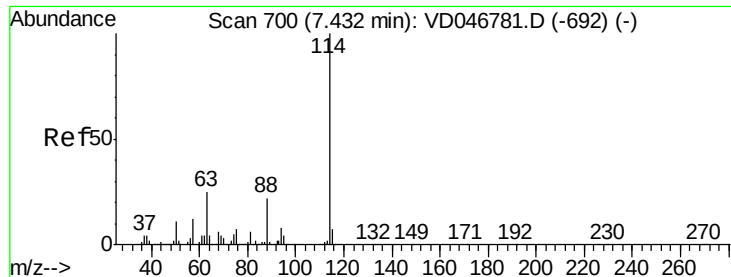
Tot Ion: 56 Resp: 4219
Ion Ratio Lower Upper
56 100
69 225.6 23.4 35.0#
84 97.8 63.8 95.8#



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.70 min Scan# 626
Delta R.T. -0.01 min
Lab File: VD046856.D
Acq: 23 Sep 2015 15:36

Tgt Ion: 65 Resp: 72510
Ion Ratio Lower Upper
65 100
67 44.7 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 699

Delta R.T. -0.01 min

Lab File: VD046856.D

Acq: 23 Sep 2015 15:36

Instrument :

MSVOA_D

ClientSampleId :

S1-30

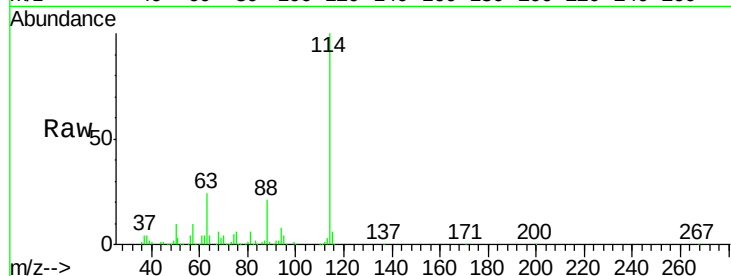
Tot Ion:114 Resp: 209052

Ion Ratio Lower Upper

114 100

63 24.3 0.0 49.8

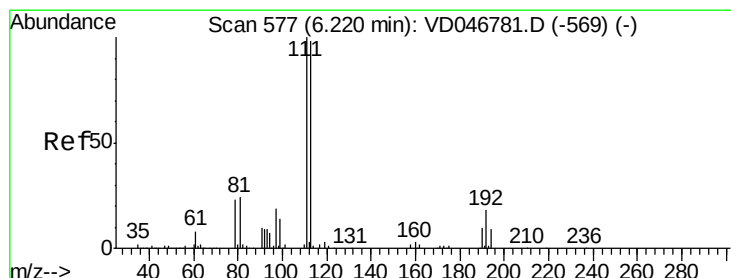
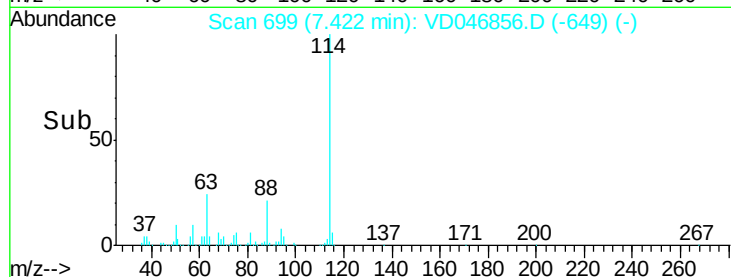
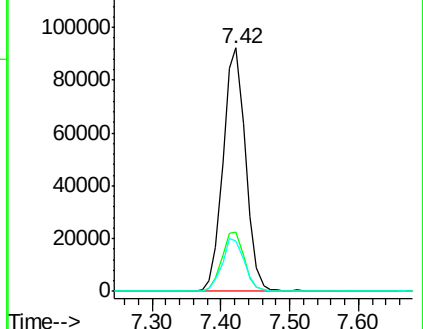
88 20.8 0.0 43.6



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: 6.20 min Scan# 575

Delta R.T. -0.02 min

Lab File: VD046856.D

Acq: 23 Sep 2015 15:36

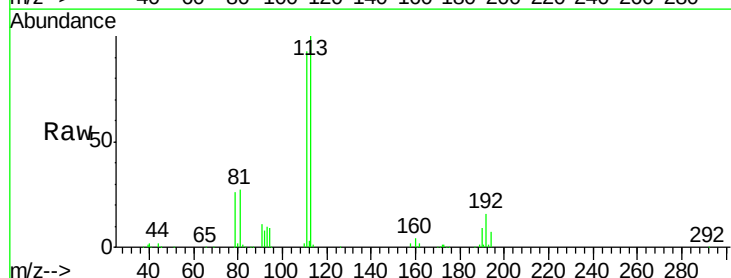
Tgt Ion:113 Resp: 68696

Ion Ratio Lower Upper

113 100

111 93.4 79.4 119.0

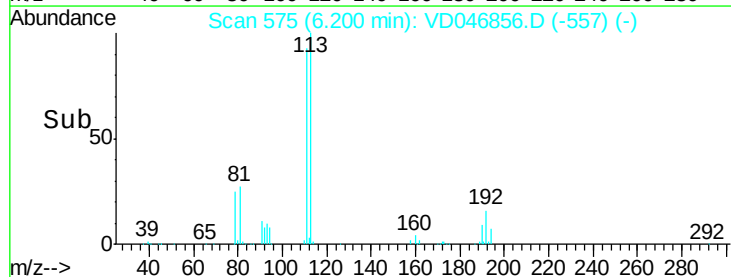
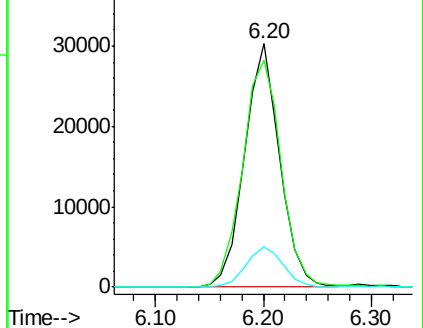
192 16.4 14.6 22.0

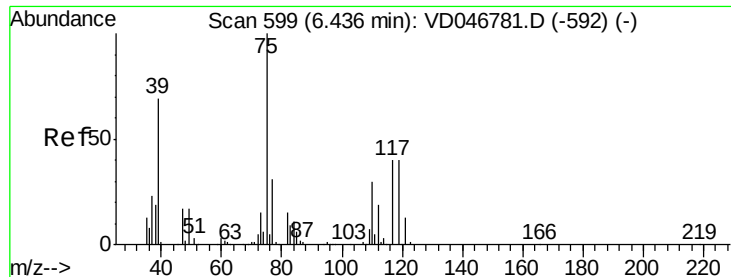


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

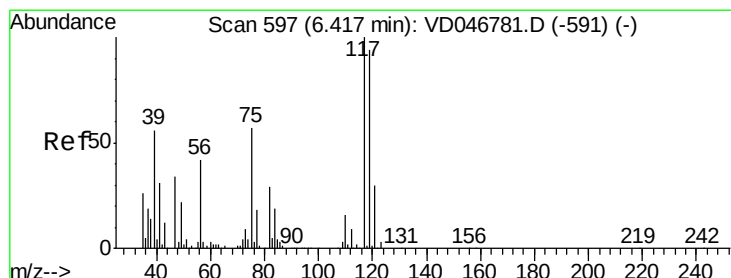
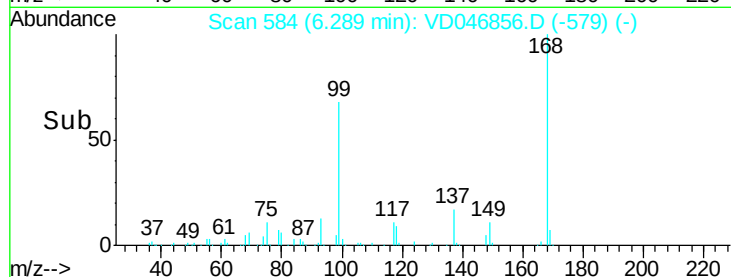
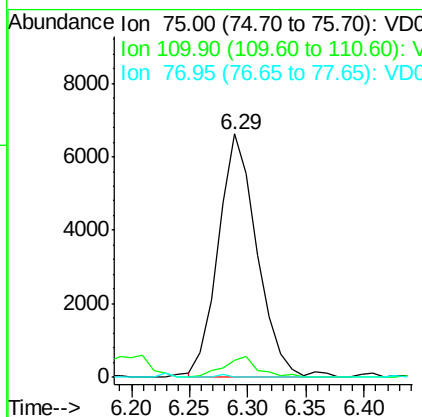
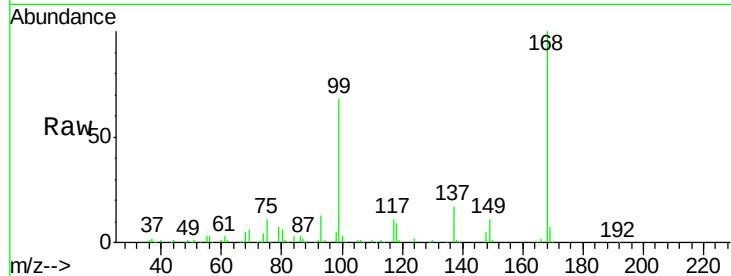




#36
 1,1-Dichloropropene
 Concen: 6.24 ug/l
 RT: 6.29 min Scan# 584
 Delta R.T. -0.15 min
 Lab File: VD046856.D
 Acq: 23 Sep 2015 15:36

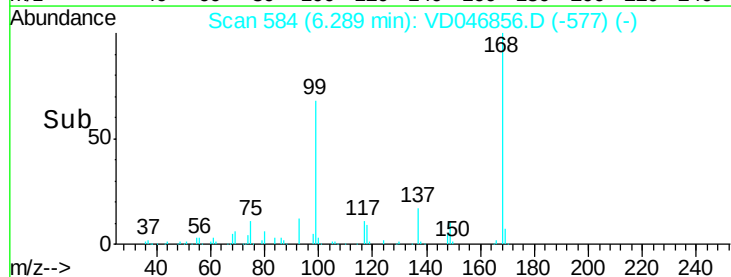
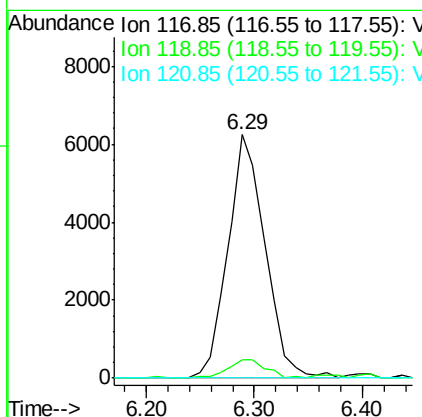
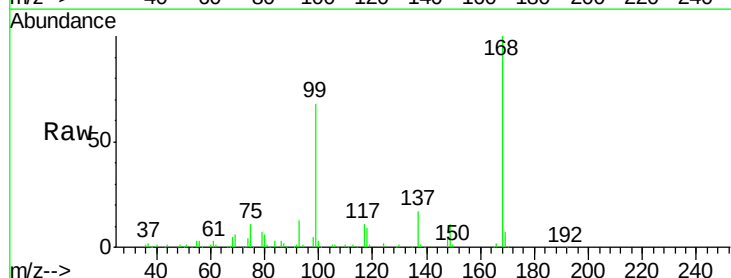
Instrument :
 MSVOA_D
 ClientSampled :
 S1-30

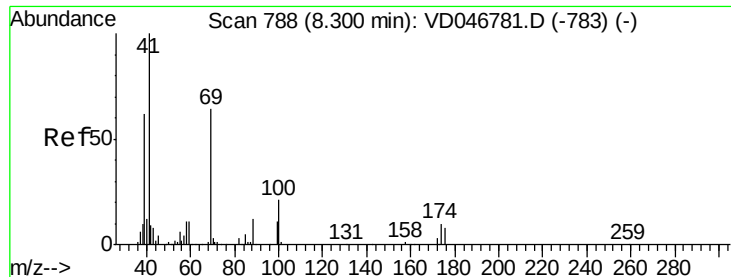
Tot Ion: 75 Resp: 15251
 Ion Ratio Lower Upper
 75 100
 110 7.2 13.7 41.0#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.86 ug/l
 RT: 6.29 min Scan# 584
 Delta R.T. -0.13 min
 Lab File: VD046856.D
 Acq: 23 Sep 2015 15:36

Tgt Ion: 117 Resp: 14883
 Ion Ratio Lower Upper
 117 100
 119 7.5 76.2 114.4#
 121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 6.50 ug/l

RT: 8.22 min Scan# 780

Delta R.T. -0.08 min

Lab File: VD046856.D

Acq: 23 Sep 2015 15:36

Instrument :

MSVOA_D

ClientSampled :

S1-30

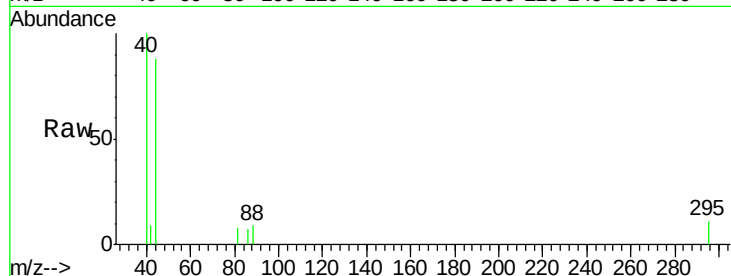
Tot Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

43 0.0 50.0 75.0#

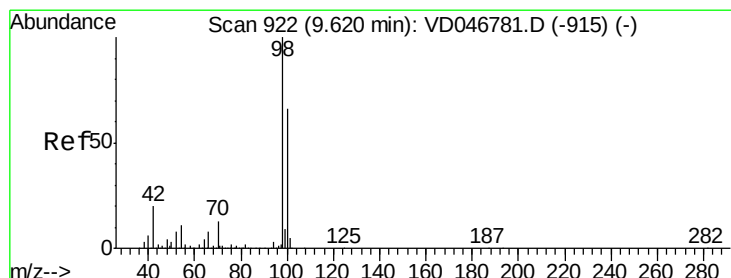
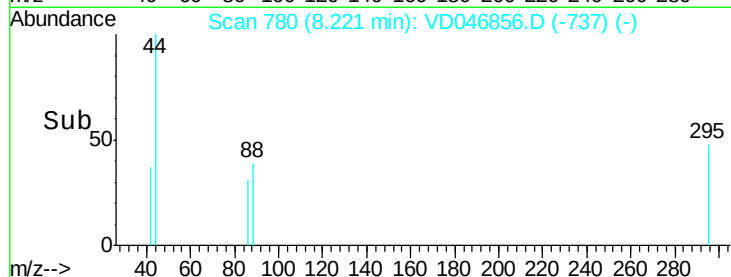
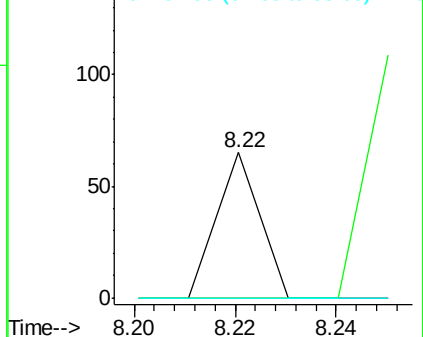
58 0.0 48.3 72.5#



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: 6.50 ug/l

RT: 9.61 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD046856.D

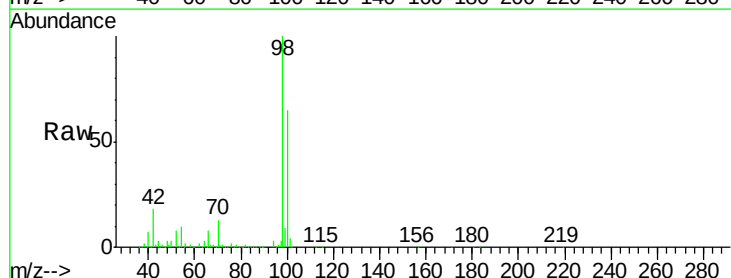
Acq: 23 Sep 2015 15:36

Tgt Ion: 98 Resp: 183493

Ion Ratio Lower Upper

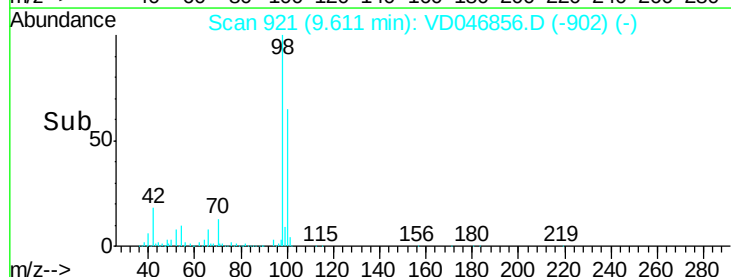
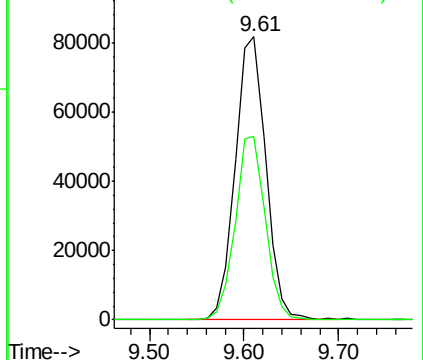
98 100

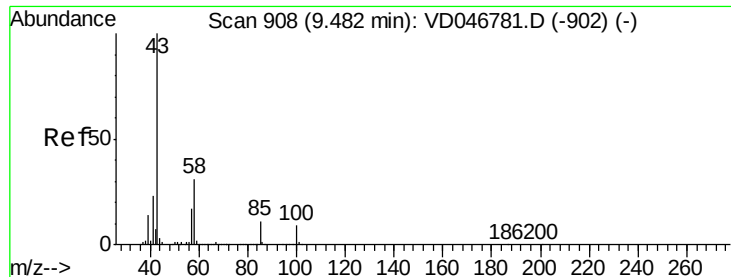
100 65.0 49.9 74.9



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.05 ug/l

RT: 9.47 min Scan# 907

Delta R.T. -0.01 min

Lab File: VD046856.D

Acq: 23 Sep 2015 15:36

Instrument :

MSVOA_D

ClientSampleID :

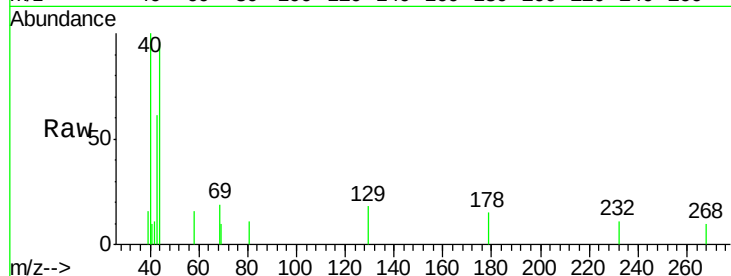
S1-30

Tot Ion: 43 Resp: 782

Ion Ratio Lower Upper

43 100

58 26.3 22.2 33.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.47

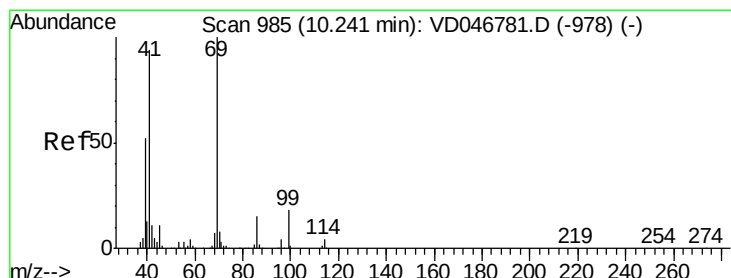
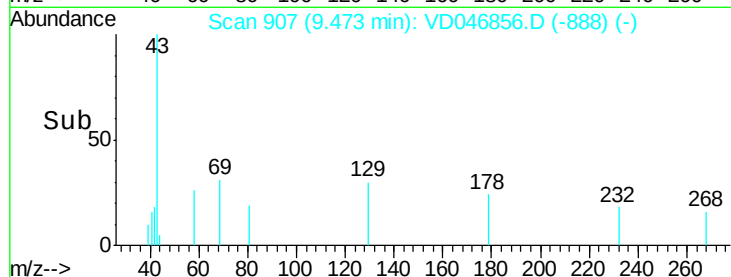
300

200

100

0

Time--> 9.40 9.45 9.50 9.55



#56

Ethyl methacrylate

Concen: 4.01 ug/l

RT: 10.20 min Scan# 981

Delta R.T. -0.04 min

Lab File: VD046856.D

Acq: 23 Sep 2015 15:36

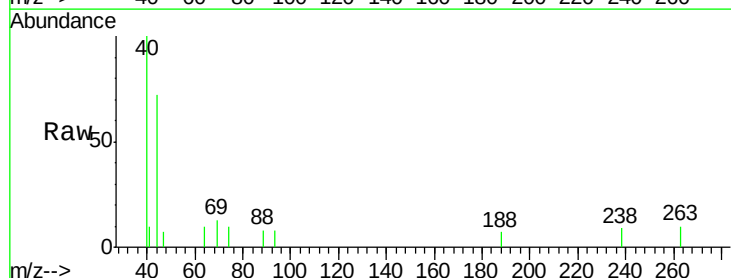
Tgt Ion: 69 Resp: 151

Ion Ratio Lower Upper

69 100

41 81.5 75.4 113.0

39 0.0 41.0 61.4#



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

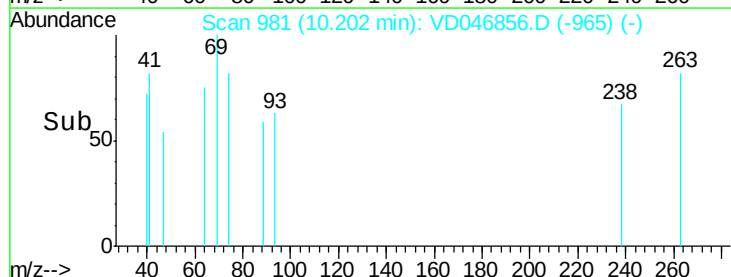
10.20

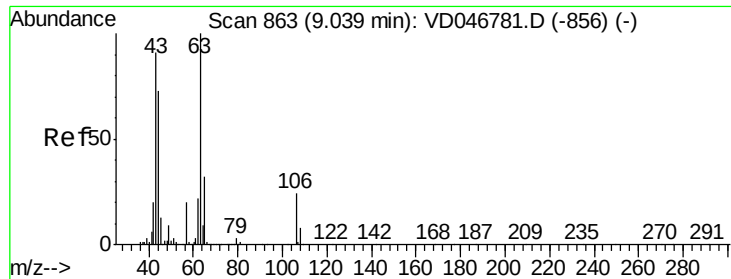
100

50

0

Time--> 10.18 10.20 10.22 10.24

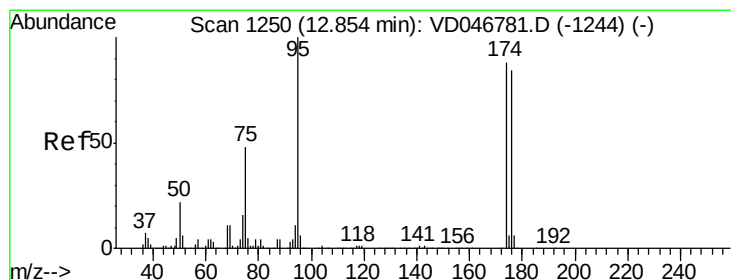
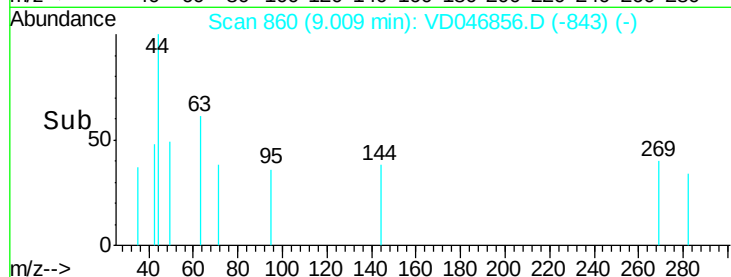
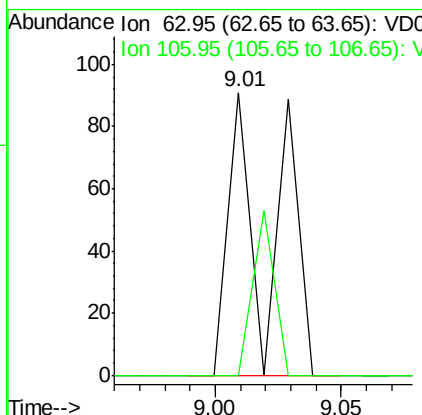
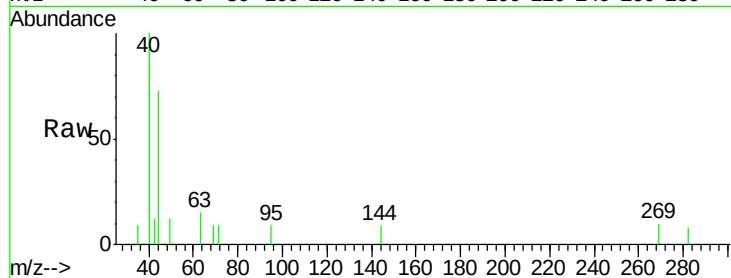




#58
 2-Chloroethyl Vinyl ether
 Concen: 6.54 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. -0.03 min
 Lab File: VD046856.D
 Acq: 23 Sep 2015 15:36

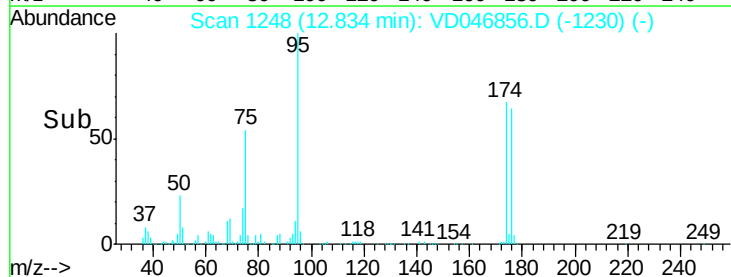
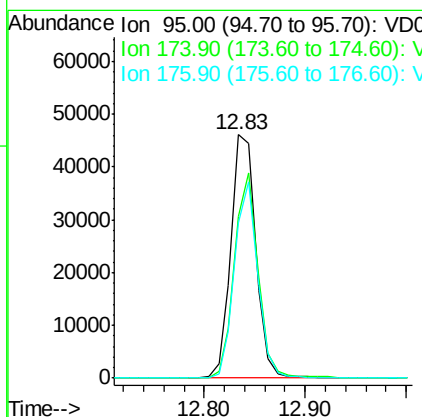
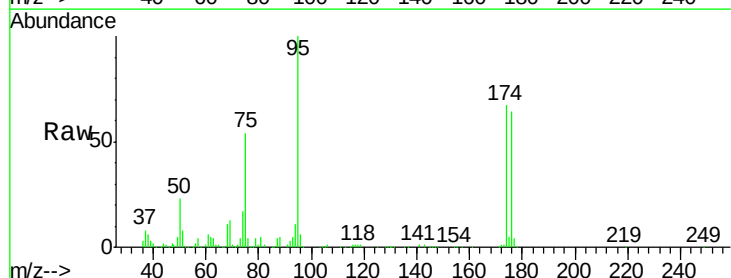
Instrument :
 MSVOA_D
 ClientSampleId :
 S1-30

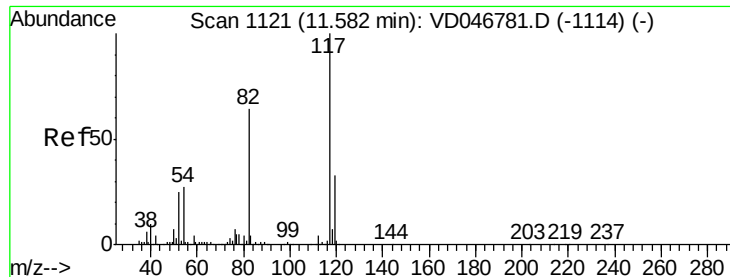
Tot Ion: 63 Resp: 106
 Ion Ratio Lower Upper
 63 100
 106 0.0 17.8 26.8#



#62
 4-Bromofluorobenzene
 Concen: Below ug/l
 RT: 12.83 min Scan# 1248
 Delta R.T. -0.02 min
 Lab File: VD046856.D
 Acq: 23 Sep 2015 15:36

Tgt Ion: 95 Resp: 78858
 Ion Ratio Lower Upper
 95 100
 174 66.6 0.0 149.8
 176 63.9 0.0 143.4

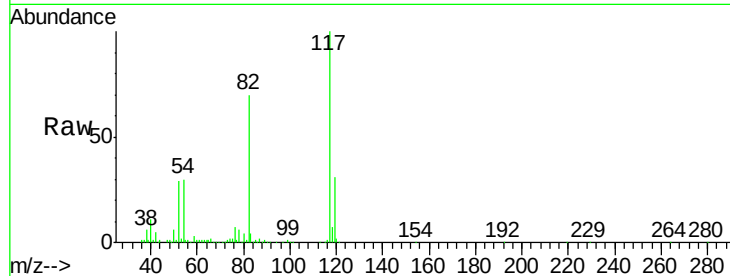




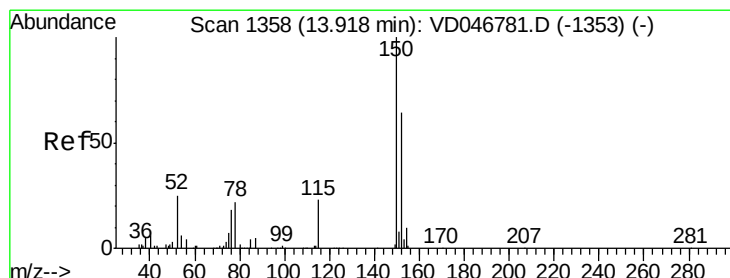
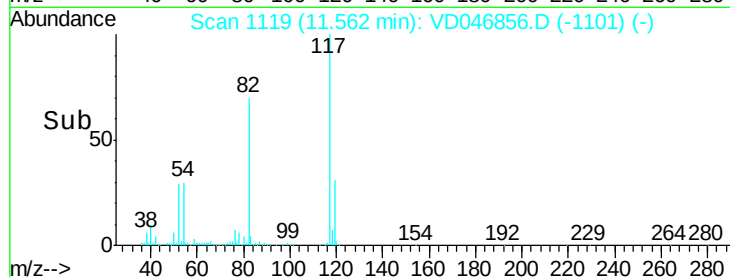
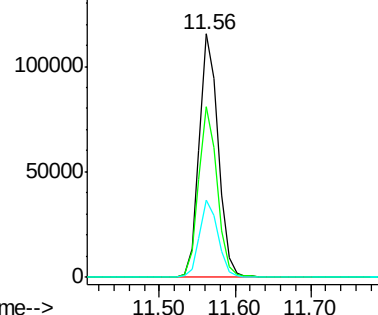
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.56 min Scan# 1119
Delta R.T. -0.02 min
Lab File: VD046856.D
Acq: 23 Sep 2015 15:36

Instrument :
MSVOA_D
ClientSampleId :
S1-30

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.0	50.6	75.8
119	31.5	25.8	38.8

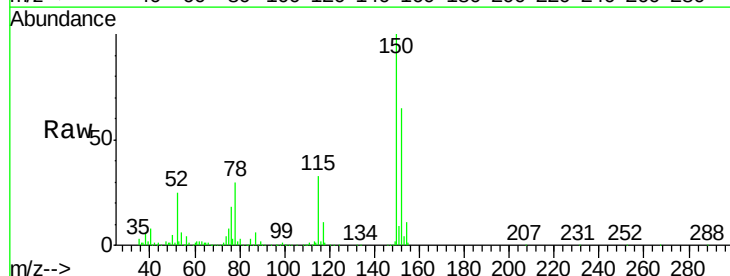


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

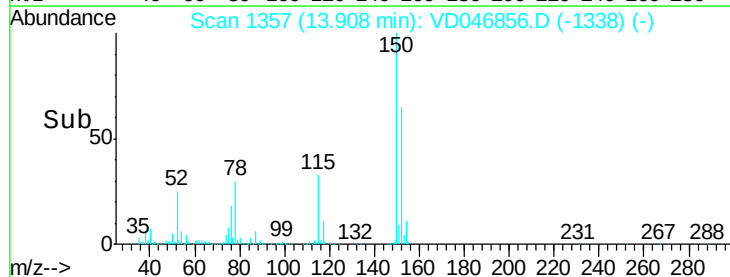
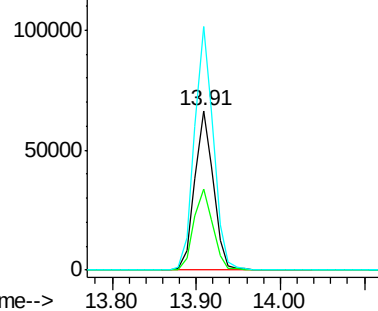


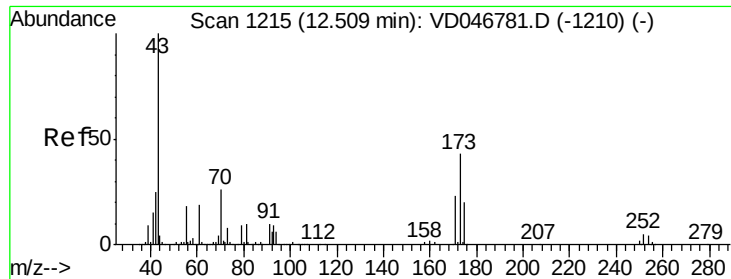
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.91 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VD046856.D
Acq: 23 Sep 2015 15:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.5	26.2	78.6
150	152.7	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





#74

N-amvl acetate

Concen: 4.75 ug/l

RT: 12.48 min Scan# 1212

Delta R.T. -0.03 min

Lab File: VD046856.D

Acq: 23 Sep 2015 15:36

Instrument :

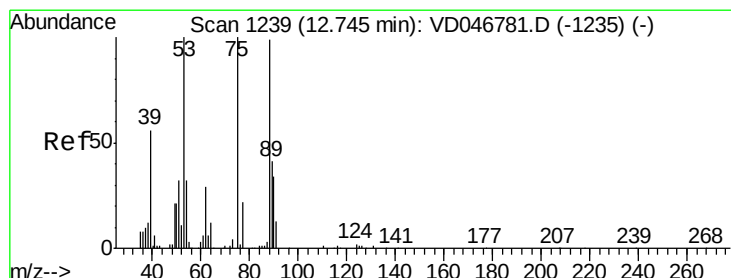
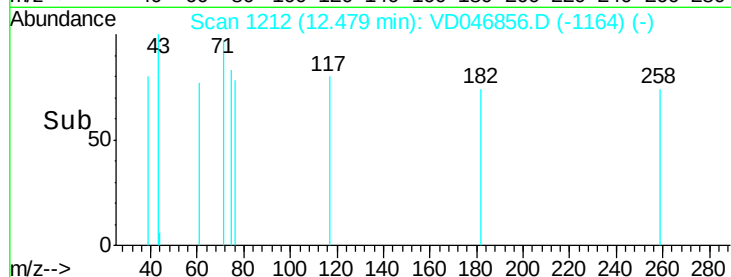
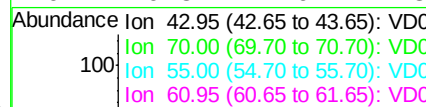
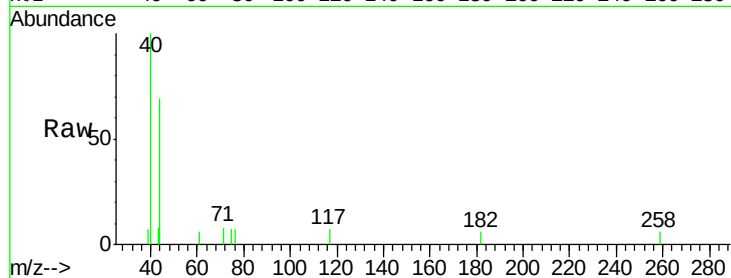
MSVOA_D

ClientSampleId :

S1-30

Tot Ion: 43 Resp: 78

Ion	Ratio	Lower	Upper
43	100		
70	0.0	22.1	33.1#
55	0.0	14.5	21.7#
61	76.8	14.6	21.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 112.58 ug/l

RT: 12.83 min Scan# 1248

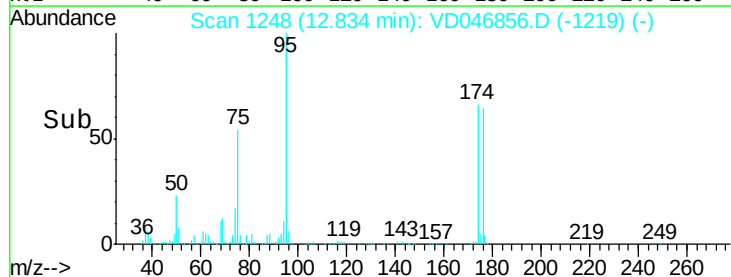
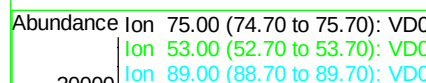
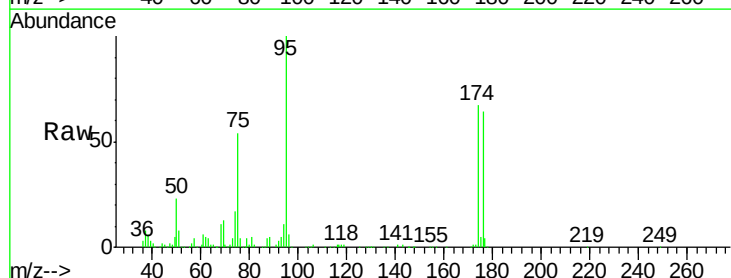
Delta R.T. 0.09 min

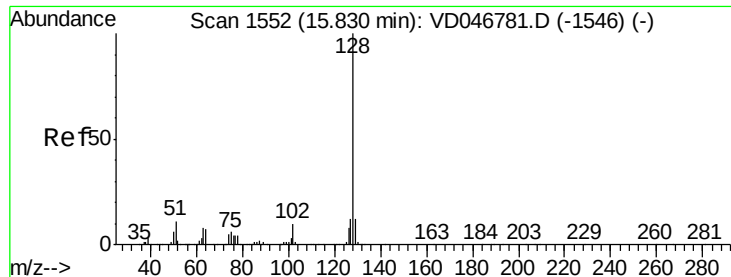
Lab File: VD046856.D

Acq: 23 Sep 2015 15:36

Tgt Ion: 75 Resp: 40524

Ion	Ratio	Lower	Upper
75	100		
53	0.7	82.3	123.5#
89	0.0	36.6	54.8#





#95

Napthalene

Concen: 2.84 ug/l

RT: 15.81 min Scan# 1550

Delta R.T. -0.02 min

Lab File: VD046856.D

Acq: 23 Sep 2015 15:36

Instrument :

MSVOA_D

ClientSampleId :

S1-30

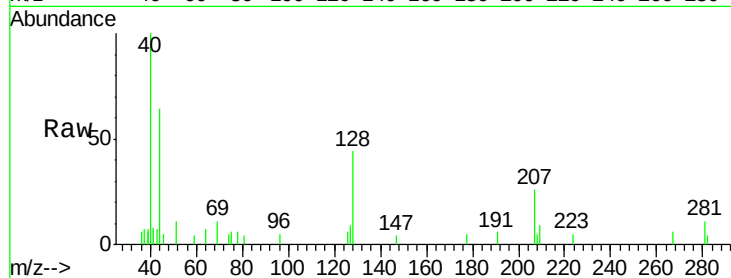
Tot Ion:128 Resp: 1053

Ion Ratio Lower Upper

128 100

127 20.0 9.8 14.6#

129 0.0 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

