

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092315\
 Data File : VD046858.D
 Acq On : 23 Sep 2015 16:28
 Operator : FY/SY
 Sample : G3779-04
 Misc : 4.99µm/5mL/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S2-20

Quant Time: Sep 24 01:47:29 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	152732	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.42	114	212743	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.56	117	194702	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.91	152	93941	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.70	65	79802	50.25	ug/l	-0.01
Spiked Amount				50.000		
Recovery						100.50%
35) Dibromofluoromethane	6.20	113	75200	45.18	ug/l	-0.02
Spiked Amount				50.000		
Recovery						90.36%
50) Toluene-d8	9.61	98	196767	37.47	ug/l	-0.01
Spiked Amount				50.000		
Recovery						74.94%
62) 4-Bromofluorobenzene	12.84	95	81370	38.48	ug/l	-0.01
Spiked Amount				50.000		
Recovery						76.96%

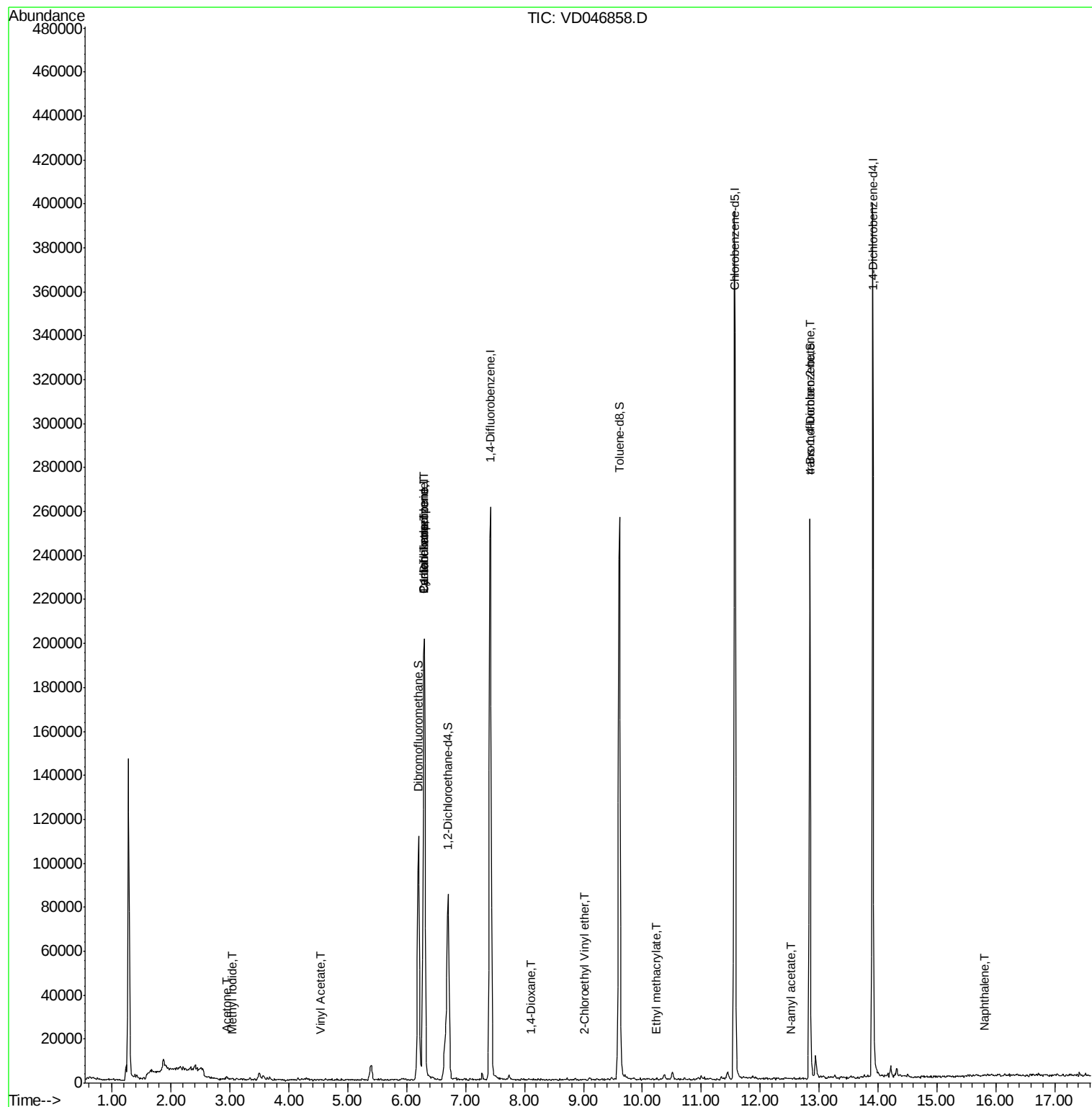
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.42	85	814	Below Cal		87
3) Chlorodifluoromethane	1.43	51	357	Below Cal	#	93
6) Bromomethane	1.98	94	626	Below Cal	#	76
11) Methyl Iodide	3.05	142	45	1.76	ug/l	# 35
12) Tert butyl alcohol	3.69	59	615	Below Cal	#	74
17) Acetone	2.94	43	1364	5.08	ug/l	94
24) Vinyl Acetate	4.54	43	144	15.13	ug/l	# 82
31) Cyclohexane	6.29	56	5009	2.10	ug/l	# 21
36) 1,1-Dichloropropene	6.29	75	14021	5.64	ug/l	# 55
38) Carbon Tetrachloride	6.29	117	14929	5.78	ug/l	# 16
49) 1,4-Dioxane	8.11	88	34	5.71	ug/l	# 20
56) Ethyl methacrylate	10.22	69	229	4.07	ug/l	# 11
58) 2-Chloroethyl Vinyl ether	9.01	63	34	6.39	ug/l	# 53
74) N-amyl acetate	12.52	43	42	4.73	ug/l	# 54
81) trans-1,4-Dichloro-2-buten	12.84	75	41481	125.67	ug/l	# 9
95) Naphthalene	15.82	128	474	2.60	ug/l	# 64

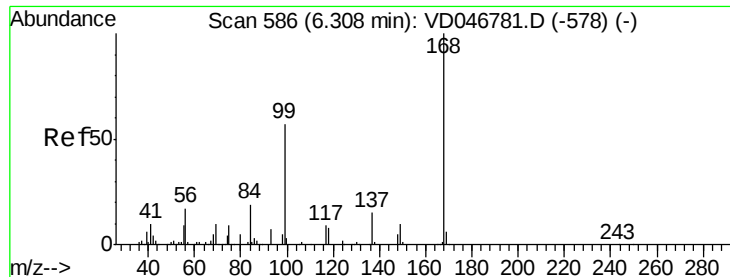
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092315\
Data File : VD046858.D
Acq On : 23 Sep 2015 16:28
Operator : FY/SY
Sample : G3779-04
Misc : 4.99µm/5mL/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S2-20

Quant Time: Sep 24 01:47:29 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.30 min Scan# 585

Delta R.T. -0.01 min

Lab File: VD046858.D

Acq: 23 Sep 2015 16:28

Instrument :

MSVOA_D

ClientSampleId :

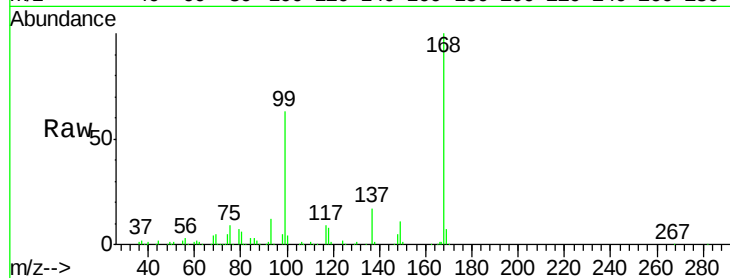
S2-20

Tot Ion:168 Resp: 152732

Ion Ratio Lower Upper

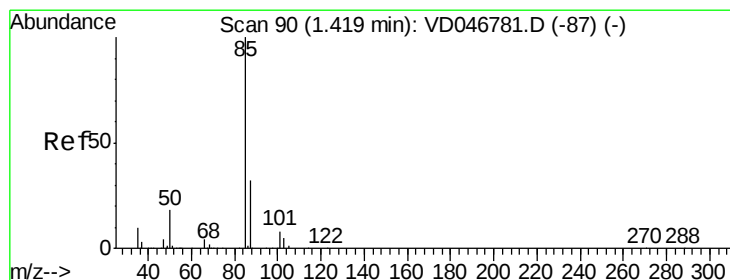
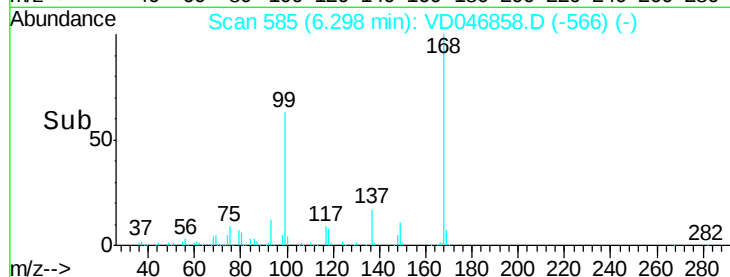
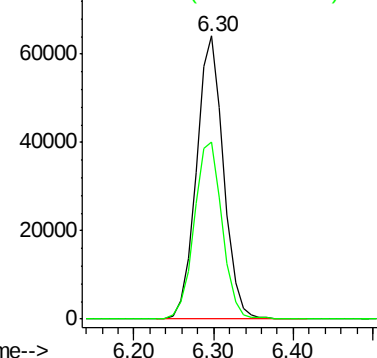
168 100

99 62.8 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: VD046858.D

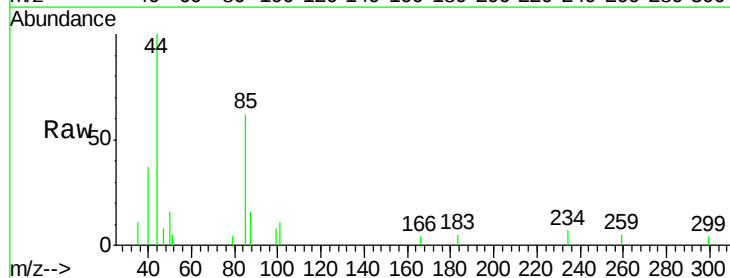
Acq: 23 Sep 2015 16:28

Tgt Ion: 85 Resp: 814

Ion Ratio Lower Upper

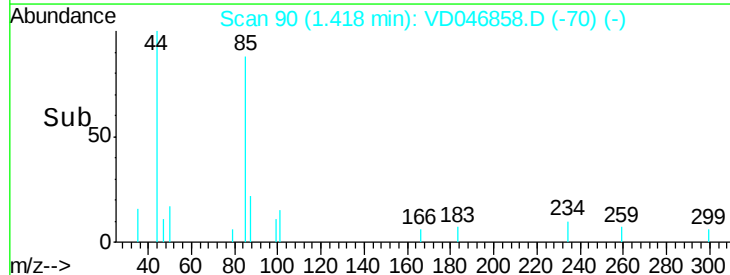
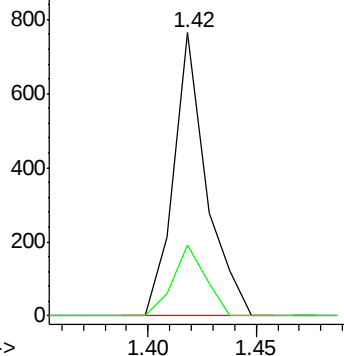
85 100

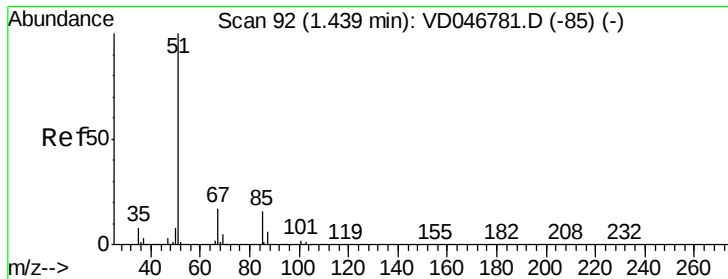
87 25.1 16.2 48.5



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: VD046858.D

Acq: 23 Sep 2015 16:28

Instrument :

MSVOA_D

ClientSampleId :

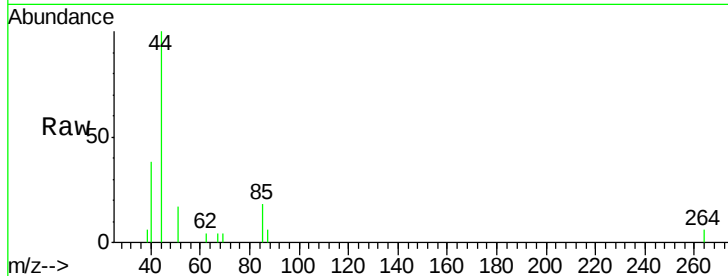
S2-20

Tot Ion: 51 Resp: 357

Ion Ratio Lower Upper

51 100

67 10.6 10.9 16.3#



Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

1.43

250

200

150

100

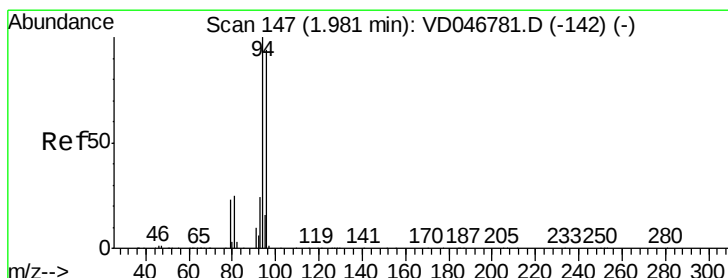
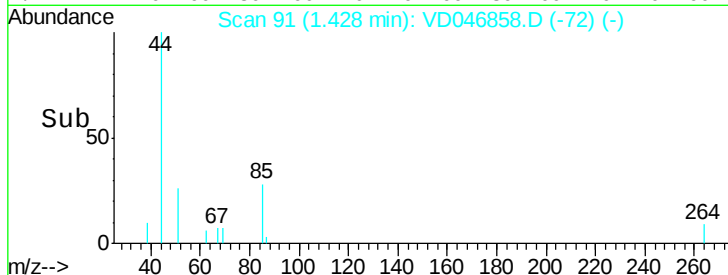
50

0

1.40

1.45

Time-->



#6

Bromomethane

Concen: Below Cal

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VD046858.D

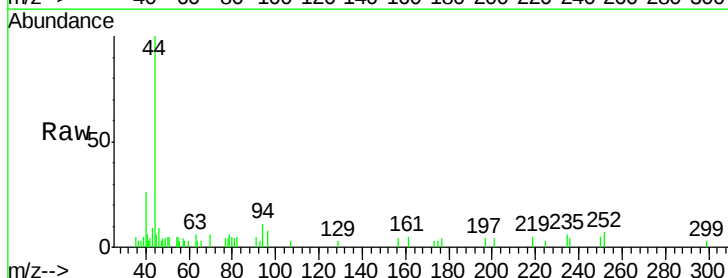
Acq: 23 Sep 2015 16:28

Tgt Ion: 94 Resp: 626

Ion Ratio Lower Upper

94 100

96 72.1 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.98

250

200

150

100

50

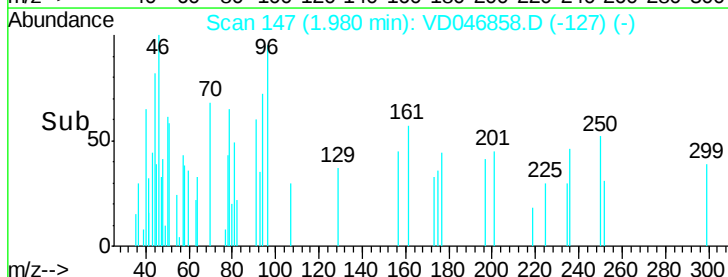
0

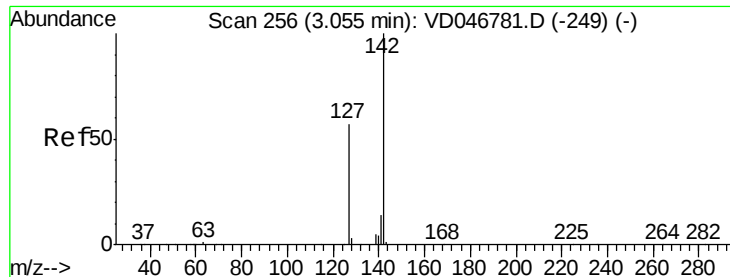
1.95

2.00

2.05

Time-->

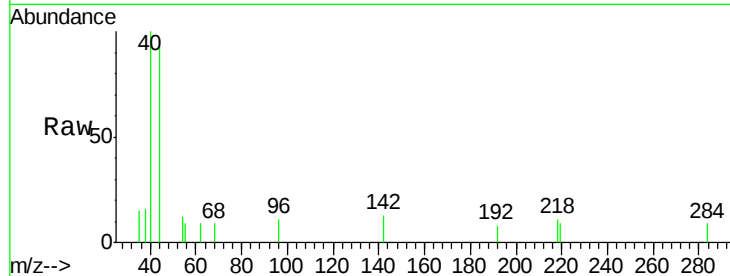




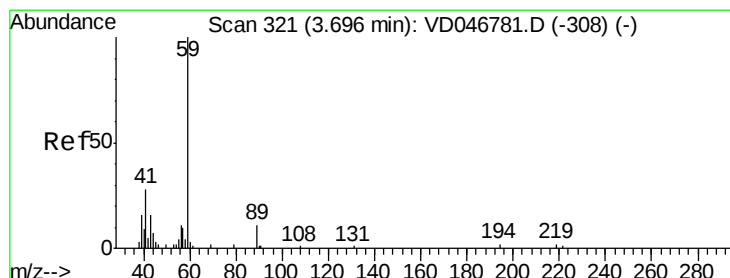
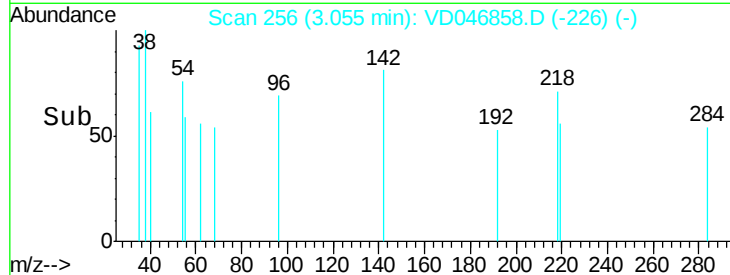
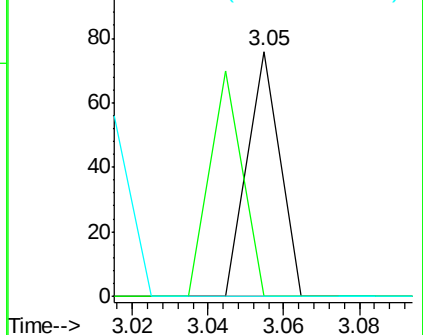
#11
Methvl Iodide
Concen: 1.76 ua/l
RT: 3.05 min Scan# 256
Delta R.T. -0.00 min
Lab File: VD046858.D
Acq: 23 Sep 2015 16:28

Instrument :
MSVOA_D
ClientSampleId :
S2-20

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

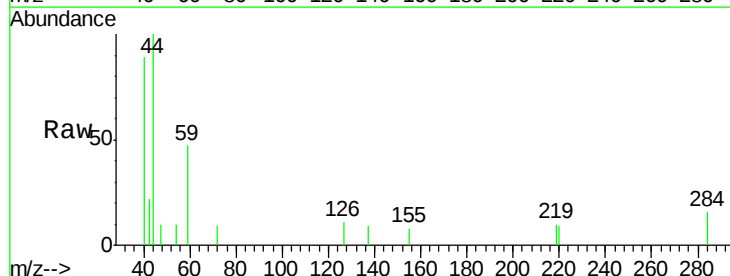


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

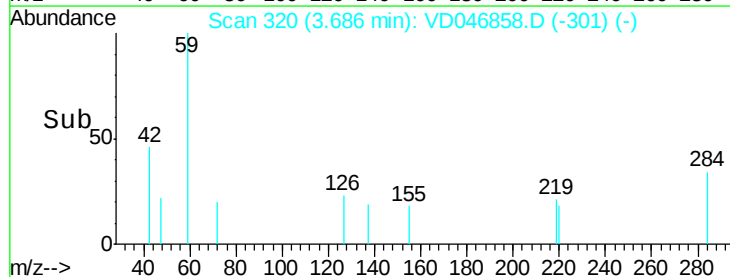
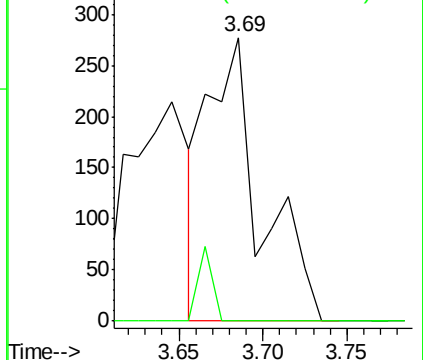


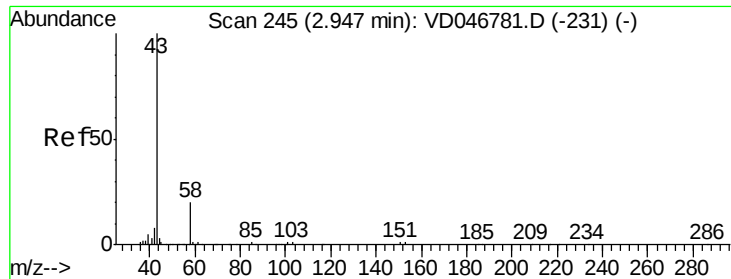
#12
Tert butyl alcohol
Concen: Below Cal
RT: 3.69 min Scan# 320
Delta R.T. -0.01 min
Lab File: VD046858.D
Acq: 23 Sep 2015 16:28

Tgt 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: 5.08 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VD046858.D

Acq: 23 Sep 2015 16:28

Instrument :

MSVOA_D

ClientSampled :

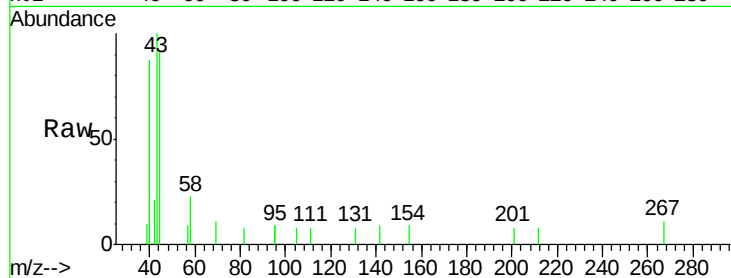
S2-20

Tot Ion: 43 Resp: 1364

Ion Ratio Lower Upper

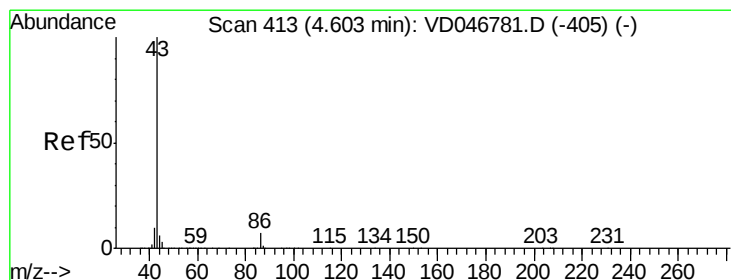
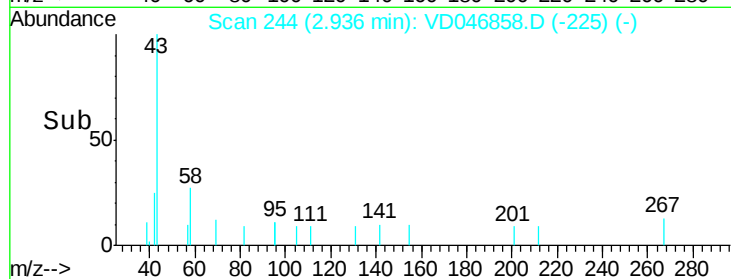
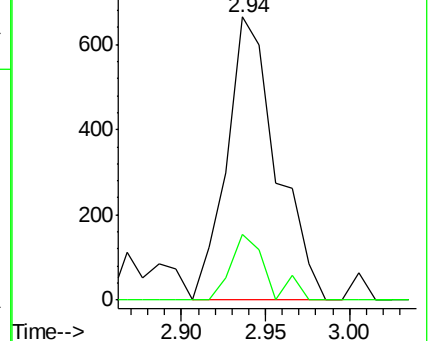
43 100

58 23.3 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: 15.13 ug/l

RT: 4.54 min Scan# 407

Delta R.T. -0.06 min

Lab File: VD046858.D

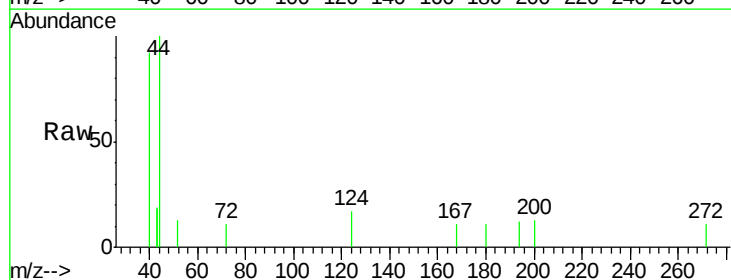
Acq: 23 Sep 2015 16:28

Tgt Ion: 43 Resp: 144

Ion Ratio Lower Upper

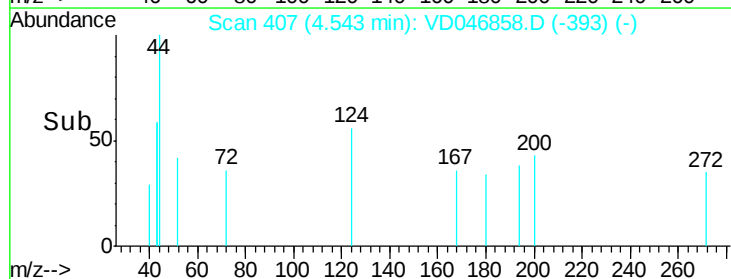
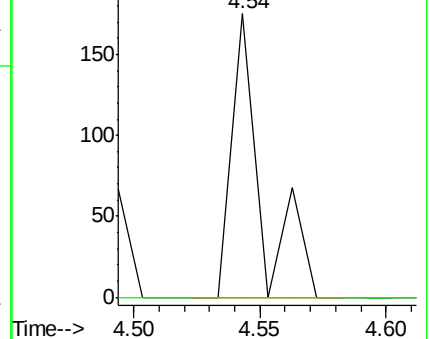
43 100

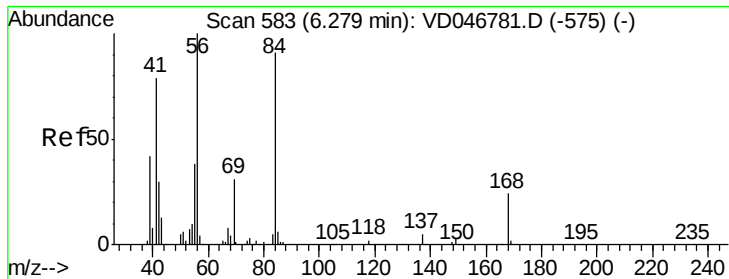
86 0.0 4.9 7.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC





#31

Cyclohexane

Concen: 2.10 ug/l

RT: 6.29 min Scan# 584

Delta R.T. 0.01 min

Lab File: VD046858.D

Acq: 23 Sep 2015 16:28

Instrument :

MSVOA_D

ClientSampled :

S2-20

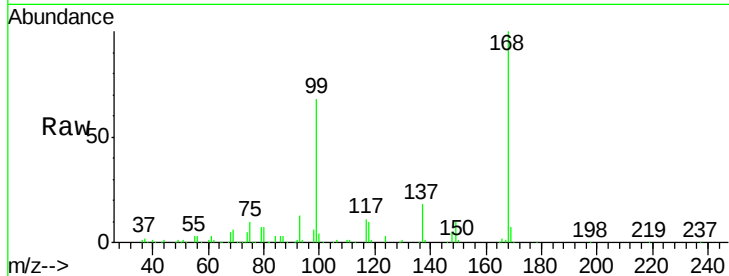
Tot Ion: 56 Resp: 5009

Ion Ratio Lower Upper

56 100

69 177.1 23.4 35.0#

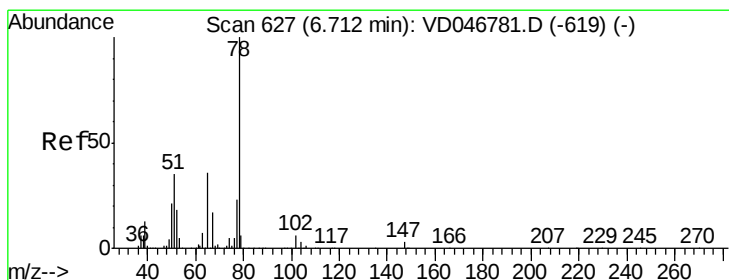
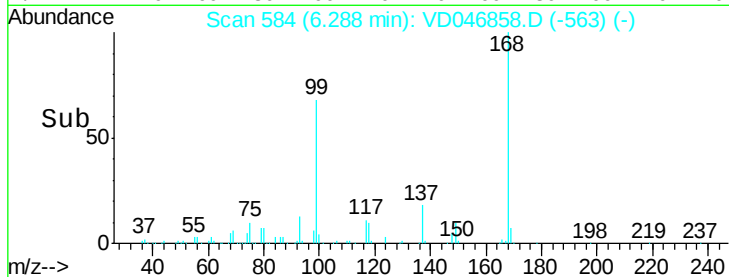
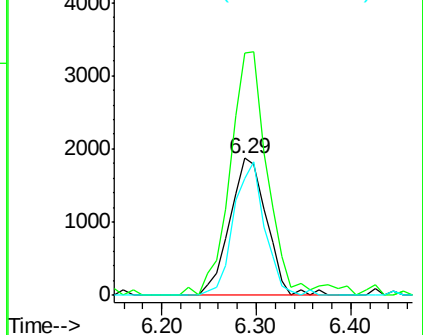
84 85.5 63.8 95.8



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: Below ug/l

RT: 6.70 min Scan# 626

Delta R.T. -0.01 min

Lab File: VD046858.D

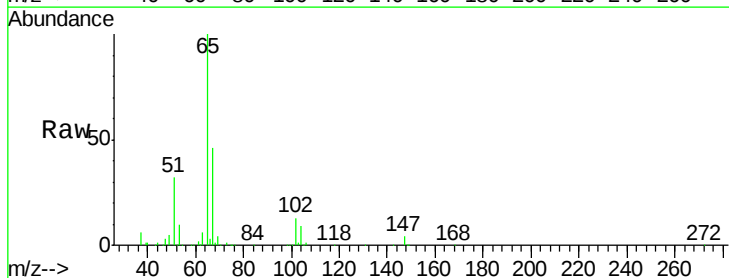
Acq: 23 Sep 2015 16:28

Tgt Ion: 65 Resp: 79802

Ion Ratio Lower Upper

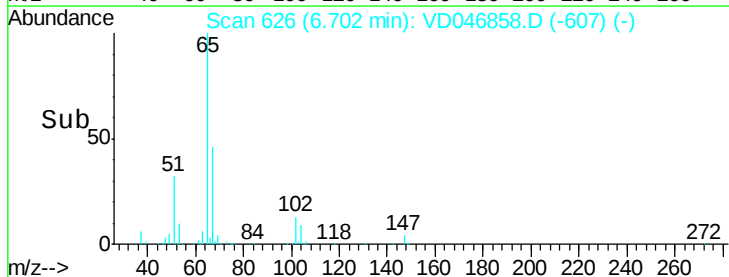
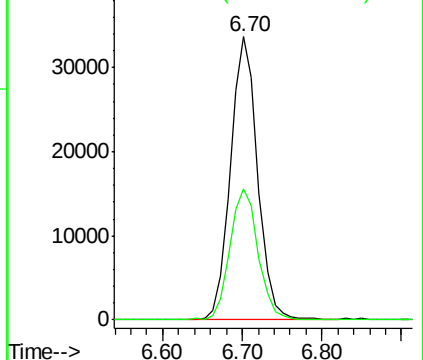
65 100

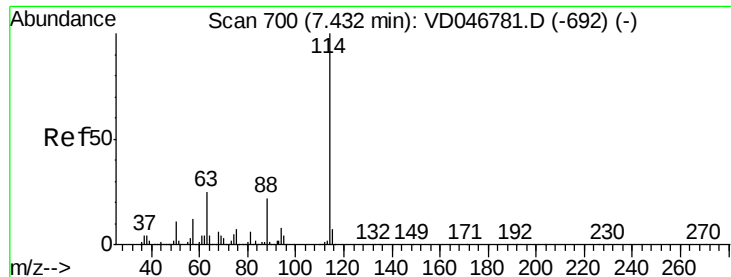
67 46.3 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 699

Delta R.T. -0.01 min

Lab File: VD046858.D

Acq: 23 Sep 2015 16:28

Instrument :

MSVOA_D

ClientSampleId :

S2-20

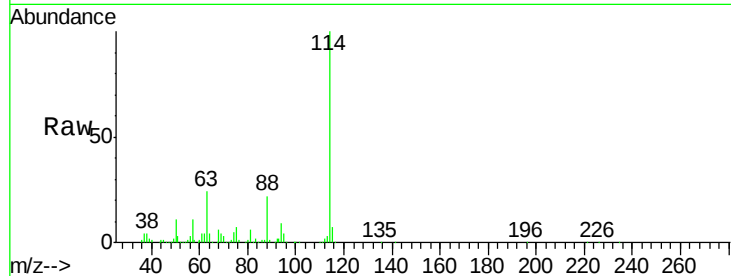
Tot Ion:114 Resp: 212743

Ion Ratio Lower Upper

114 100

63 24.1 0.0 49.8

88 21.7 0.0 43.6



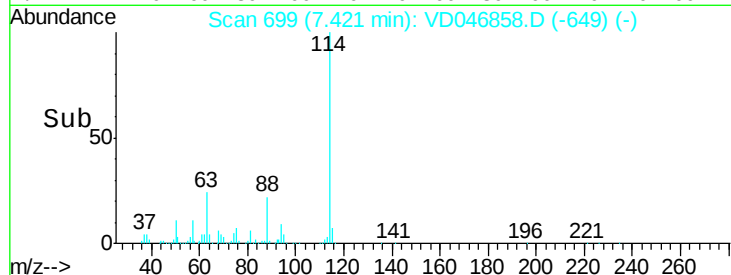
Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

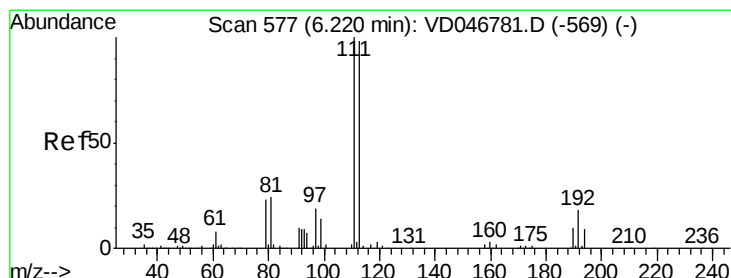
Ion 87.90 (87.60 to 88.60): V

7.42

Time-->



Time-->



#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.20 min Scan# 575

Delta R.T. -0.02 min

Lab File: VD046858.D

Acq: 23 Sep 2015 16:28

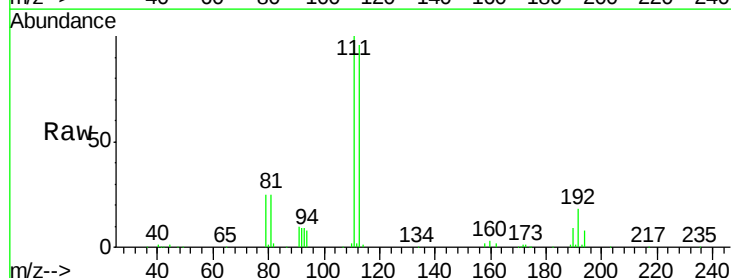
Tgt Ion:113 Resp: 75200

Ion Ratio Lower Upper

113 100

111 104.7 79.4 119.0

192 18.6 14.6 22.0



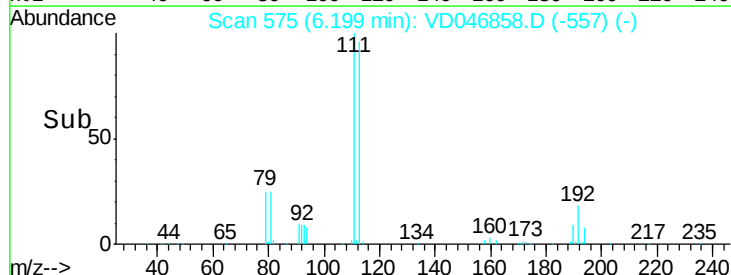
Abundance Ion 112.90 (112.60 to 113.60): V

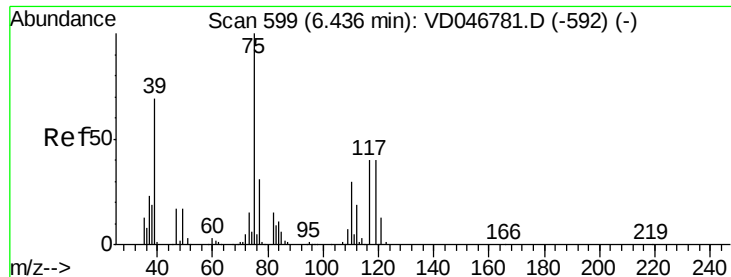
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

6.20

Time-->





#36

1,1-Dichloropropene

Concen: 5.64 ug/l

RT: 6.29 min Scan# 584

Delta R.T. -0.15 min

Lab File: VD046858.D

Acq: 23 Sep 2015 16:28

Instrument :

MSVOA_D

ClientSampled :

S2-20

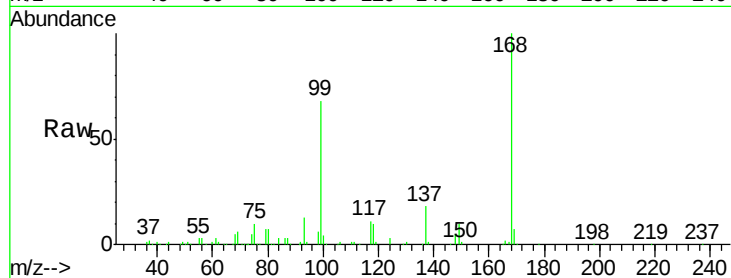
Tot Ion: 75 Resp: 14021

Ion Ratio Lower Upper

75 100

110 8.8 13.7 41.0#

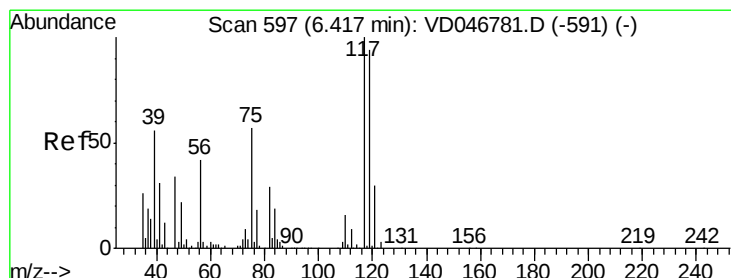
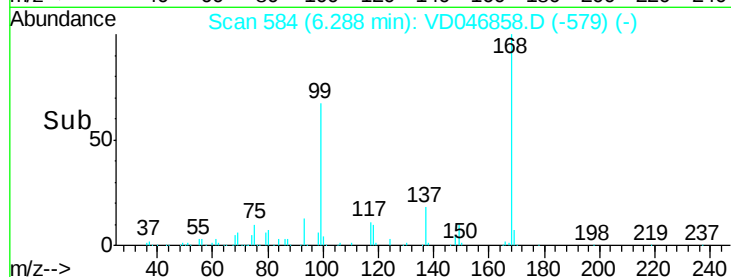
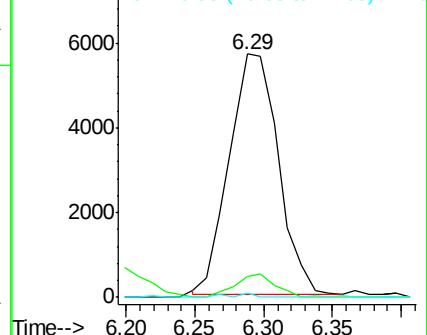
77 1.8 24.7 37.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 5.78 ug/l

RT: 6.29 min Scan# 584

Delta R.T. -0.13 min

Lab File: VD046858.D

Acq: 23 Sep 2015 16:28

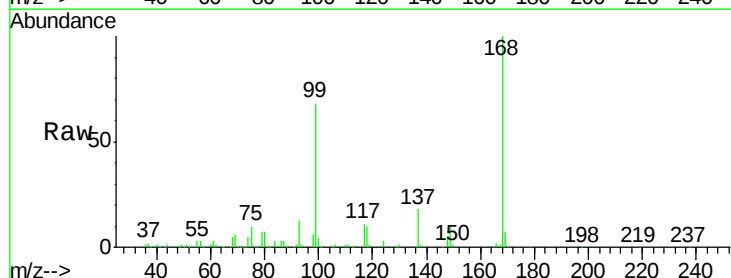
Tgt Ion: 117 Resp: 14929

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.4#

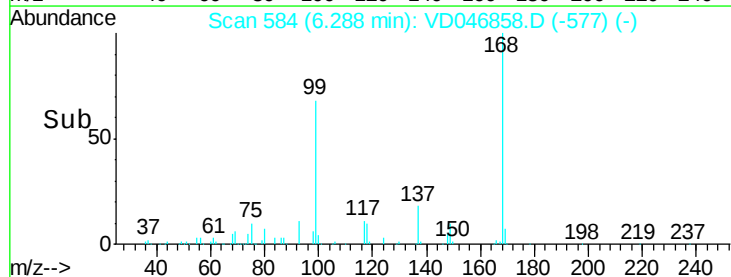
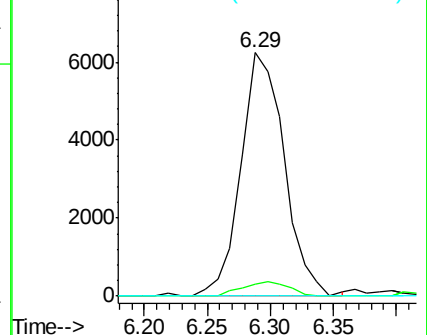
121 0.0 24.5 36.7#

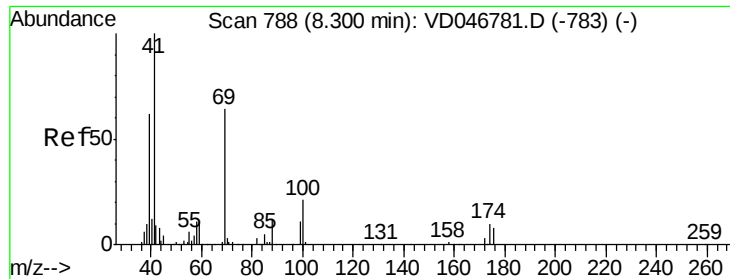


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

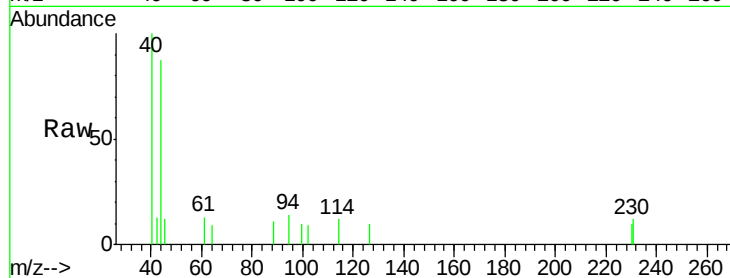




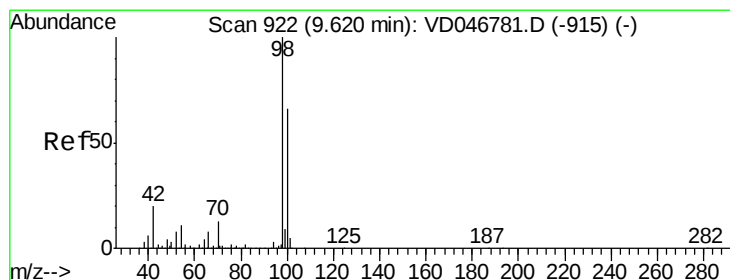
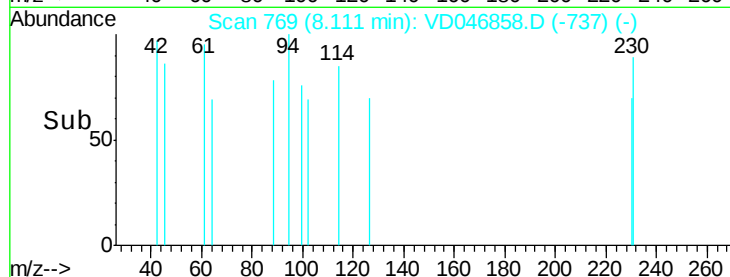
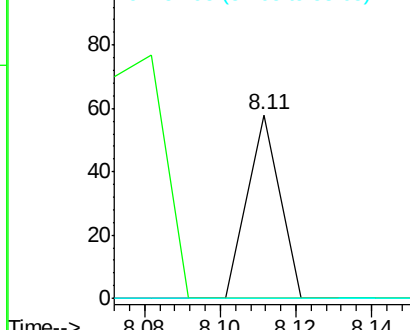
#49
1,4-Dioxane
Concen: 5.71 ug/l
RT: 8.11 min Scan# 769
Delta R.T. -0.19 min
Lab File: VD046858.D
Acq: 23 Sep 2015 16:28

Instrument :
MSVOA_D
ClientSampleId :
S2-20

Tot Ion: 88 Resp: 34
Ion Ratio Lower Upper
88 100
43 0.0 50.0 75.0#
58 0.0 48.3 72.5#

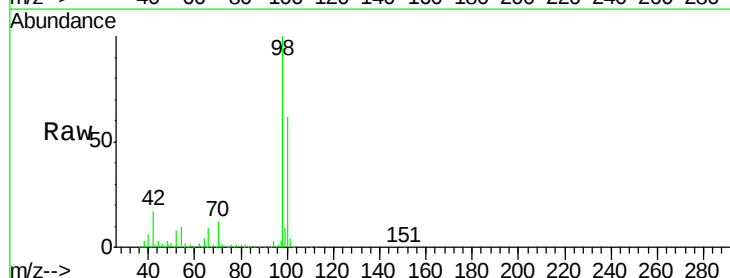


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

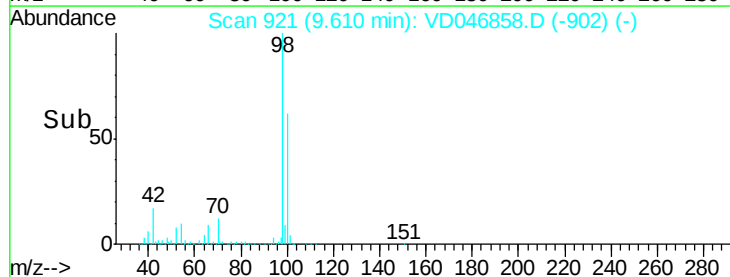
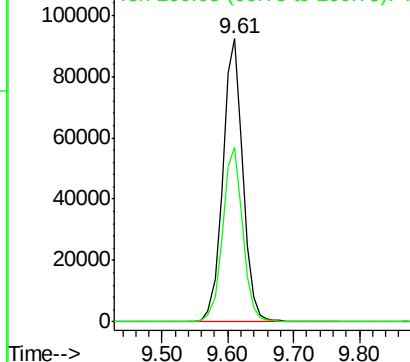


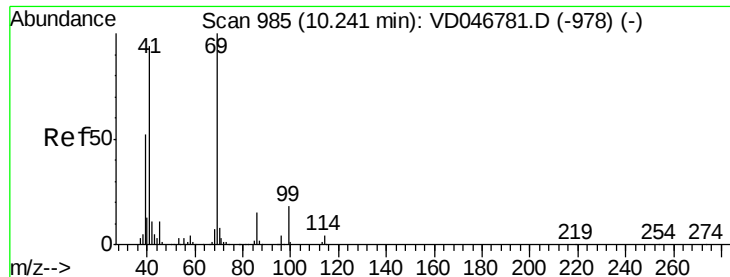
#50
Toluene-d8
Concen: 5.71 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VD046858.D
Acq: 23 Sep 2015 16:28

Tgt Ion: 98 Resp: 196767
Ion Ratio Lower Upper
98 100
100 61.6 49.9 74.9



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





#56

Ethyl methacrylate

Concen: 4.07 ug/l

RT: 10.22 min Scan# 983

Delta R.T. -0.02 min

Lab File: VD046858.D

Acq: 23 Sep 2015 16:28

Instrument :

MSVOA_D

ClientSampled :

S2-20

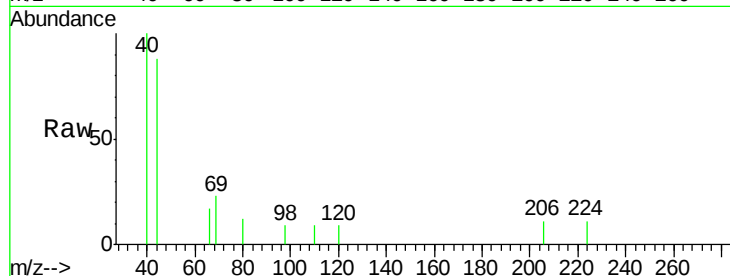
Tot Ion: 69 Resp: 229

Ion Ratio Lower Upper

69 100

41 0.0 75.4 113.0#

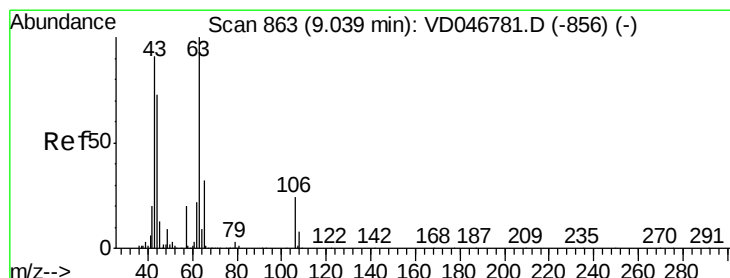
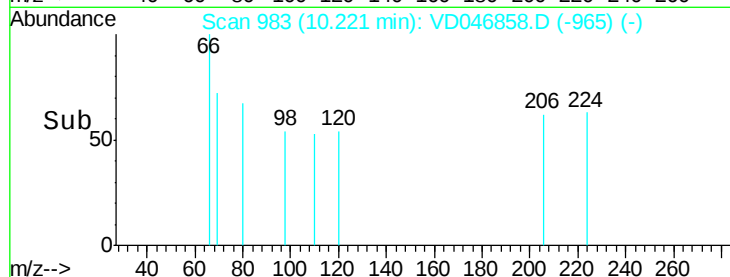
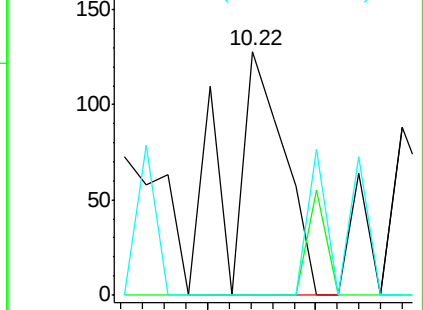
39 0.0 41.0 61.4#



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



#58

2-Chloroethyl Vinyl ether

Concen: 6.39 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.03 min

Lab File: VD046858.D

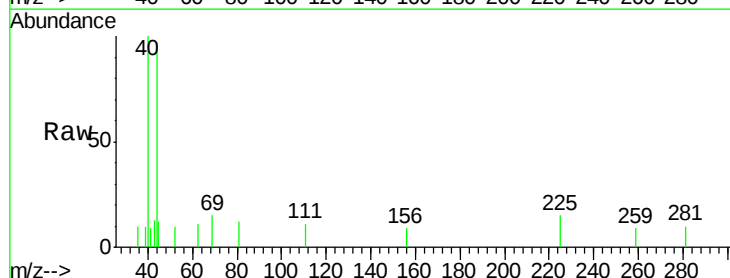
Acq: 23 Sep 2015 16:28

Tgt Ion: 63 Resp: 34

Ion Ratio Lower Upper

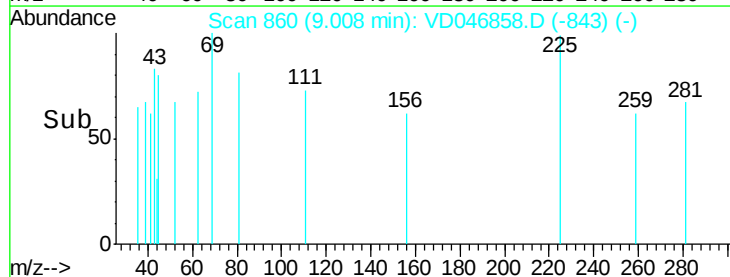
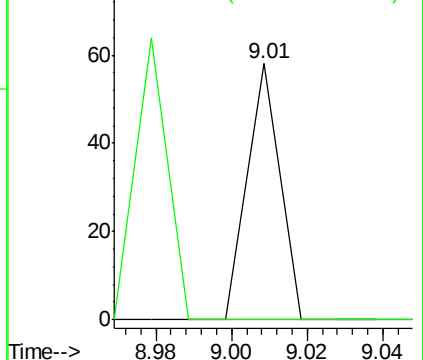
63 100

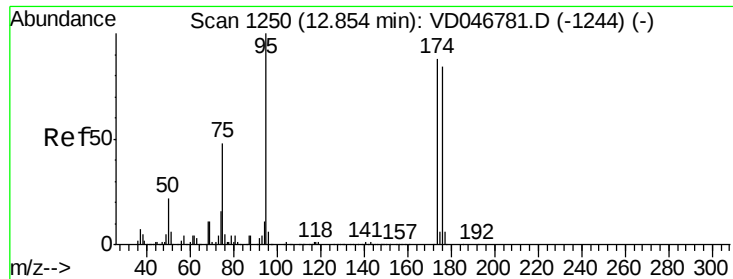
106 0.0 17.8 26.8#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

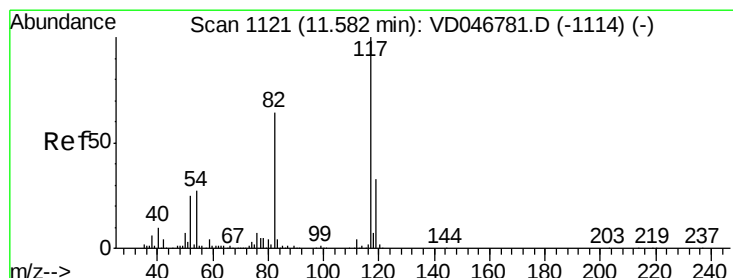
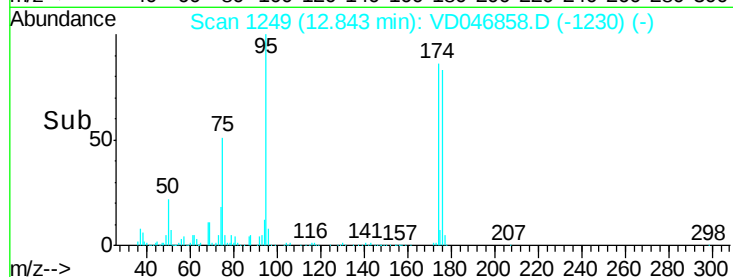
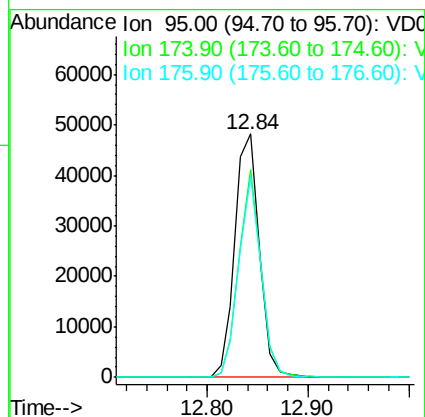
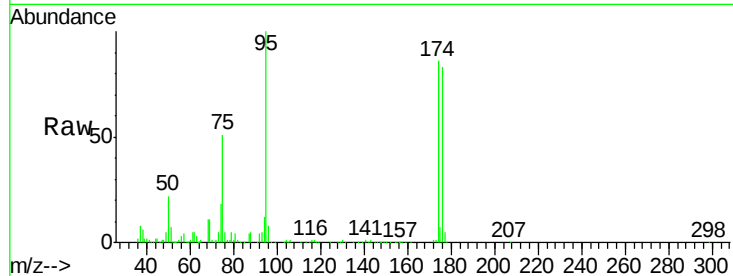




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.84 min Scan# 1249
Delta R.T. -0.01 min
Lab File: VD046858.D
Acq: 23 Sep 2015 16:28

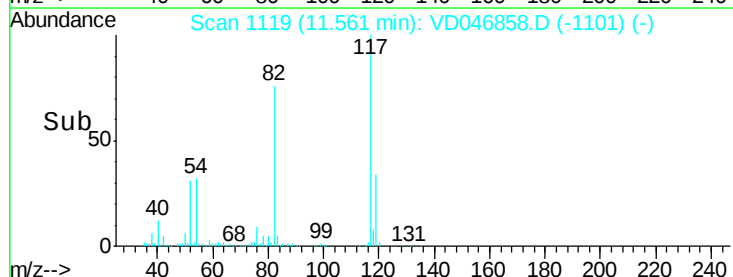
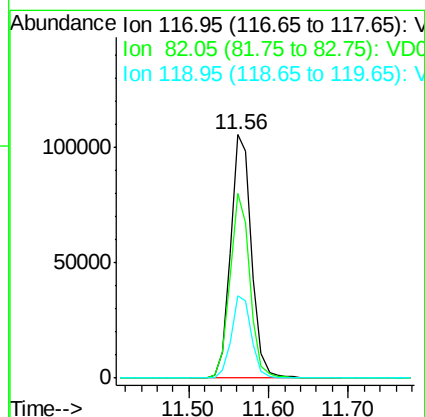
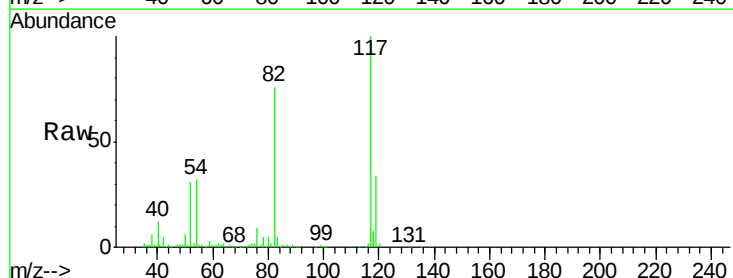
Instrument :
MSVOA_D
ClientSampleId :
S2-20

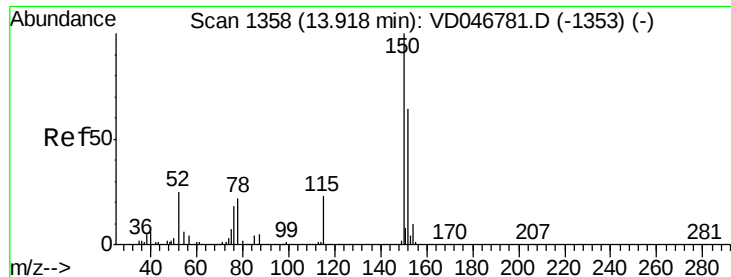
Tot Ion: 95 Resp: 81370
Ion Ratio Lower Upper
95 100
174 85.5 0.0 149.8
176 82.8 0.0 143.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.56 min Scan# 1119
Delta R.T. -0.02 min
Lab File: VD046858.D
Acq: 23 Sep 2015 16:28

Tgt Ion: 117 Resp: 194702
Ion Ratio Lower Upper
117 100
82 76.0 50.6 75.8#
119 33.6 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.91 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VD046858.D

Acq: 23 Sep 2015 16:28

Instrument :

MSVOA_D

ClientSampleId :

S2-20

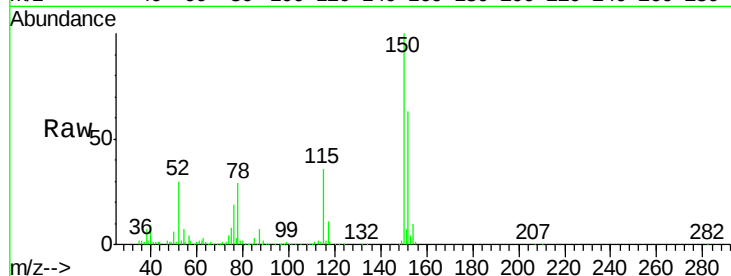
Tot Ion:152 Resp: 93941

Ion Ratio Lower Upper

152 100

115 57.1 26.2 78.6

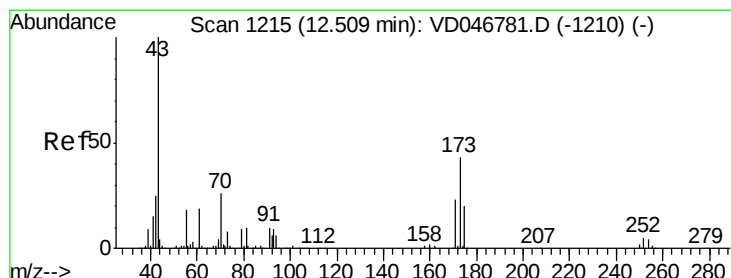
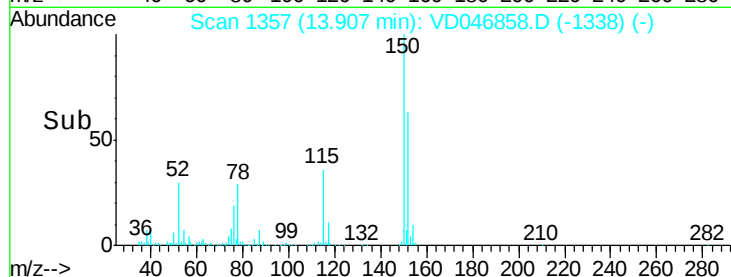
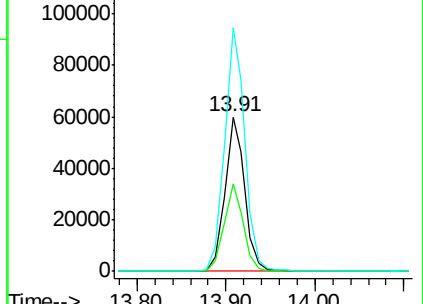
150 158.0 0.0 311.8



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-ethyl acetate

Concen: 4.73 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD046858.D

Acq: 23 Sep 2015 16:28

Tgt Ion: 43 Resp: 42

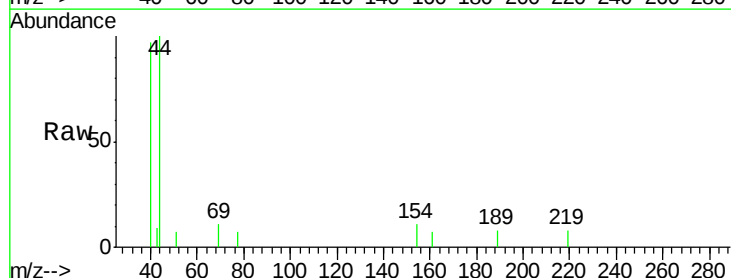
Ion Ratio Lower Upper

43 100

70 0.0 22.1 33.1#

55 0.0 14.5 21.7#

61 0.0 14.6 21.8#

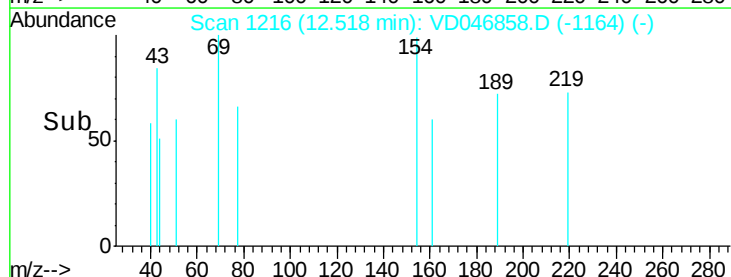
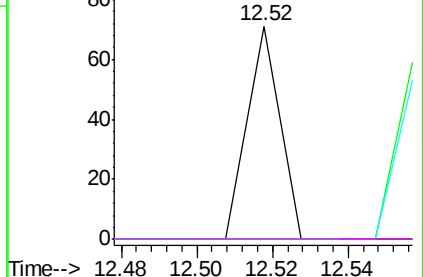


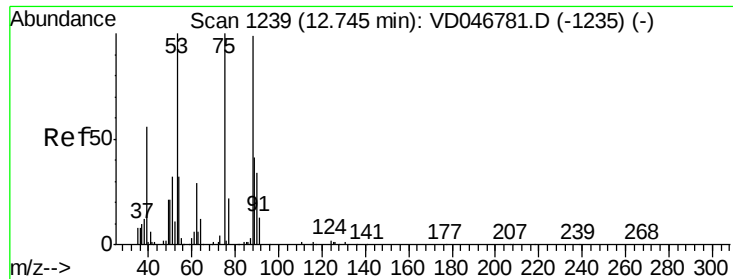
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#81

trans-1,4-Dichloro-2-butene

Concen: 125.67 ug/l

RT: 12.84 min Scan# 1249

Delta R.T. 0.10 min

Lab File: VD046858.D

Acq: 23 Sep 2015 16:28

Instrument :

MSVOA_D

ClientSampleId :

S2-20

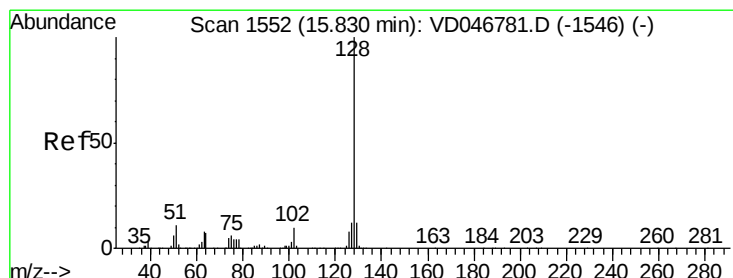
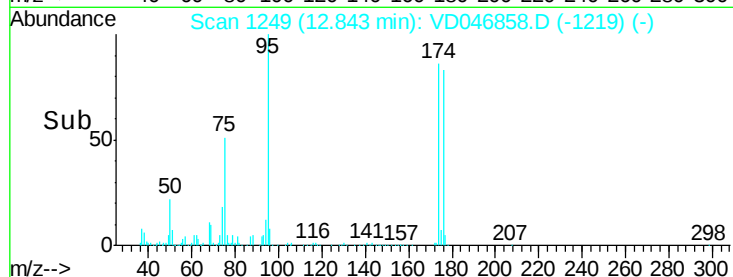
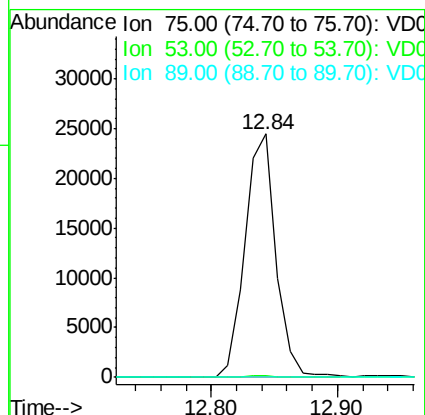
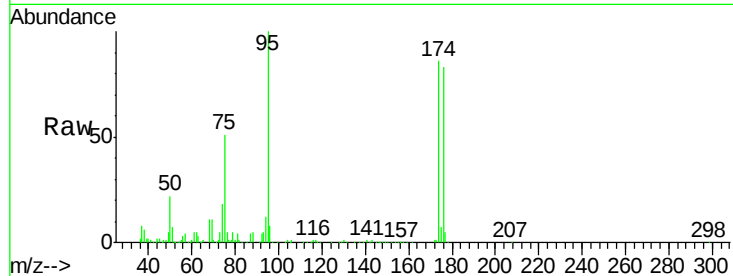
Tot Ion: 75 Resp: 41481

Ion Ratio Lower Upper

75 100

53 0.4 82.3 123.5#

89 0.0 36.6 54.8#



#95

Naphthalene

Concen: 2.60 ug/l

RT: 15.82 min Scan# 1551

Delta R.T. -0.01 min

Lab File: VD046858.D

Acq: 23 Sep 2015 16:28

Tgt Ion: 128 Resp: 474

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.6#

129 26.4 8.6 12.8#

