

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092315\
 Data File : VD046855.D
 Acq On : 23 Sep 2015 15:10
 Operator : FY/SY
 Sample : G3779-01
 Misc : 5.01gm/5mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S1-18

Quant Time: Sep 24 01:46:36 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	169875	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.42	114	225117	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.57	117	215471	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.91	152	107639	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	78684	44.55	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	89.10%	
35) Dibromofluoromethane	6.20	113	79715	45.26	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	90.52%	
50) Toluene-d8	9.61	98	224839	40.46	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	80.92%	
62) 4-Bromofluorobenzene	12.84	95	91886	41.07	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	82.14%	

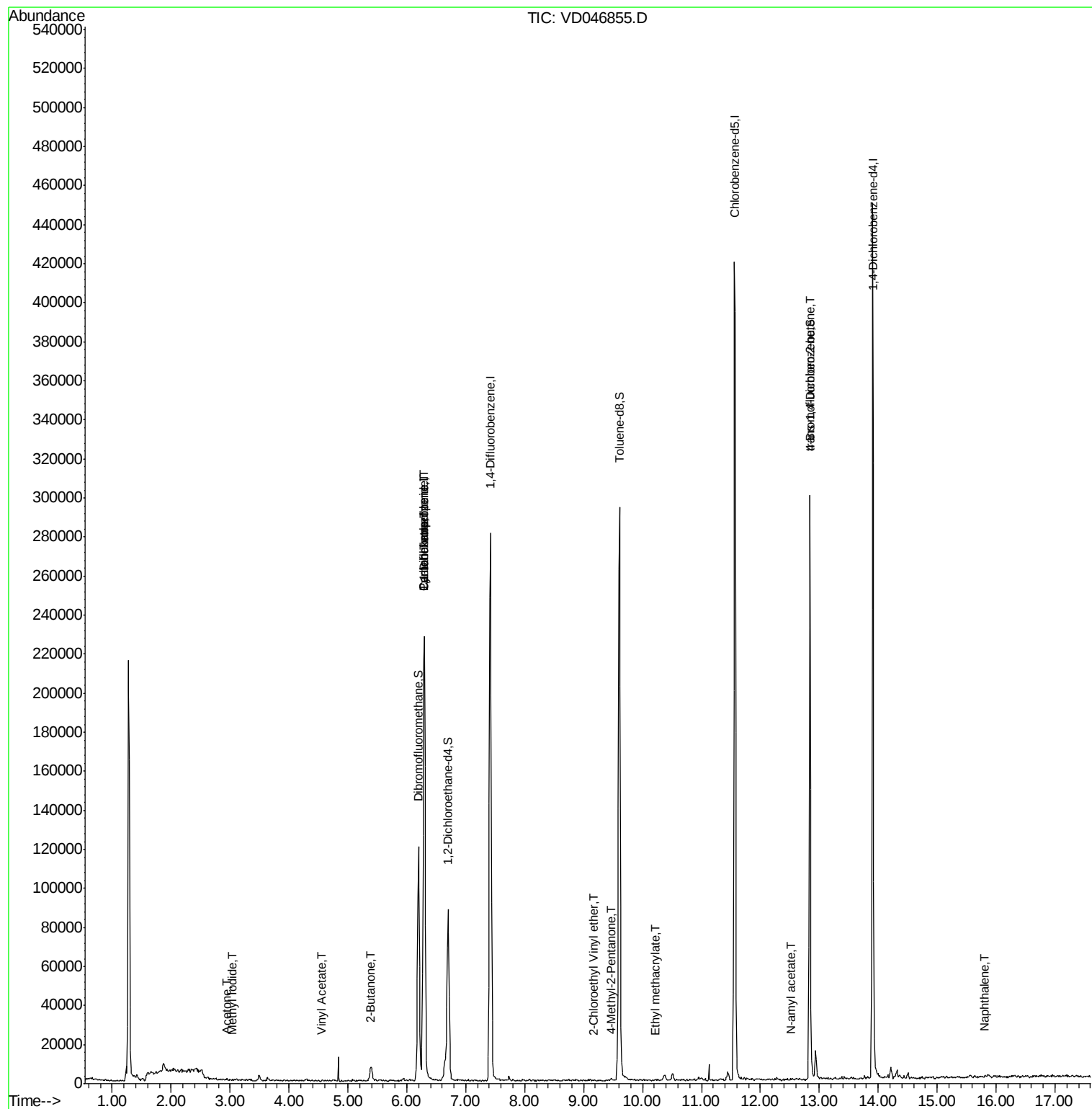
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.42	85	733	Below Cal		95
3) Chlorodifluoromethane	1.44	51	247	Below Cal	#	1
6) Bromomethane	2.04	94	226	Below Cal	#	34
11) Methyl Iodide	3.05	142	44	1.76	ug/l	# 1
12) Tert butyl alcohol	3.62	59	937	Below Cal	#	74
17) Acetone	2.94	43	711	2.38	ug/l	# 56
24) Vinyl Acetate	4.56	43	65	15.05	ug/l	# 82
26) 2-Butanone	5.39	43	652	1.94	ug/l	# 61
31) Cyclohexane	6.29	56	4854	1.83	ug/l	# 14
36) 1,1-Dichloropropene	6.29	75	16203	6.16	ug/l	# 52
38) Carbon Tetrachloride	6.30	117	16990	6.21	ug/l	# 18
51) 4-Methyl-2-Pentanone	9.47	43	844	1.05	ug/l	# 78
56) Ethyl methacrylate	10.21	69	132	3.98	ug/l	# 11
58) 2-Chloroethyl Vinyl ether	9.15	63	33	6.39	ug/l	# 53
74) N-amyl acetate	12.52	43	62	4.74	ug/l	# 54
81) trans-1,4-Dichloro-2-buten	12.84	75	48893	129.17	ug/l	# 9
95) Naphthalene	15.82	128	708	2.67	ug/l	# 56

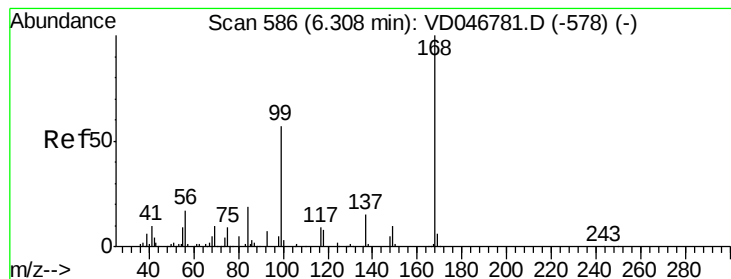
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD046855.D

Acq: 23 Sep 2015 15:10

Instrument :

MSVOA_D

ClientSampleId :

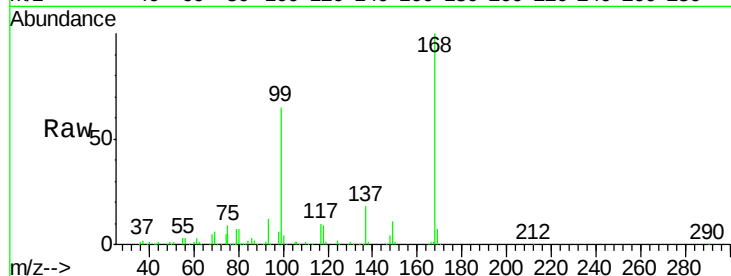
S1-18

Tot Ion:168 Resp: 169875

Ion Ratio Lower Upper

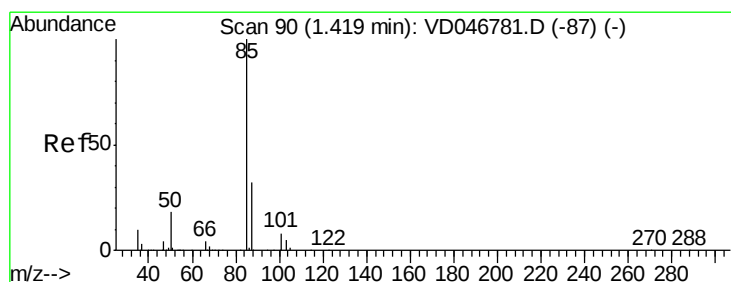
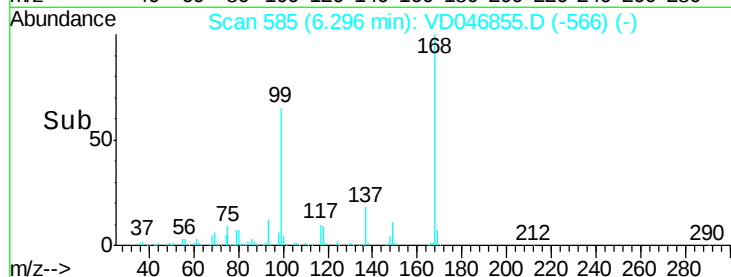
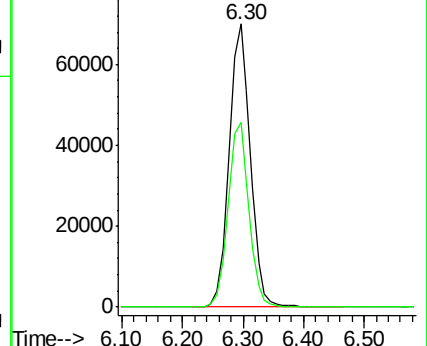
168 100

99 65.3 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: VD046855.D

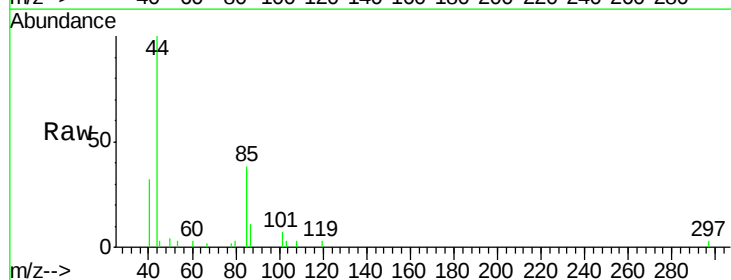
Acq: 23 Sep 2015 15:10

Tgt Ion: 85 Resp: 733

Ion Ratio Lower Upper

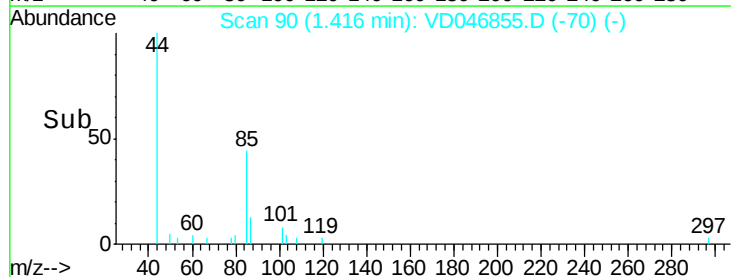
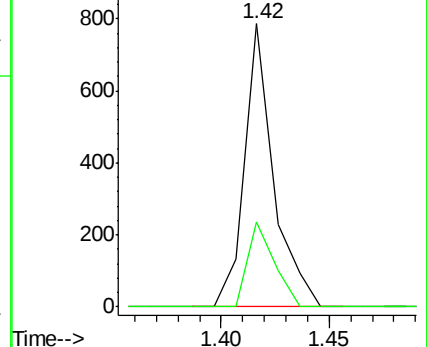
85 100

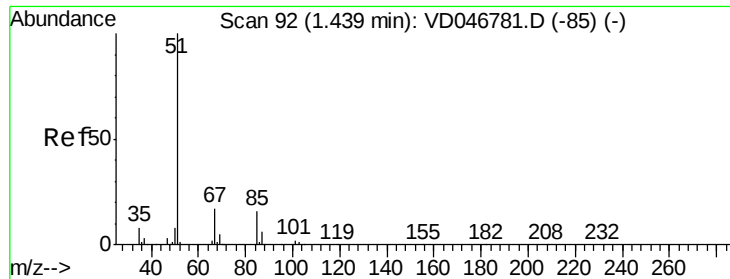
87 29.8 16.2 48.5



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: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VD046855.D

Acq: 23 Sep 2015 15:10

Instrument :

MSVOA_D

ClientSampleId :

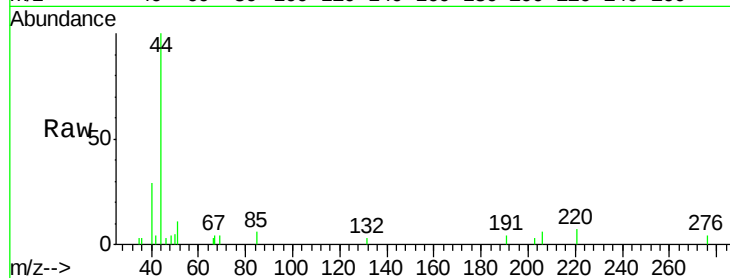
S1-18

Tot Ion: 51 Resp: 247

Ion Ratio Lower Upper

51 100

67 85.4 10.9 16.3#

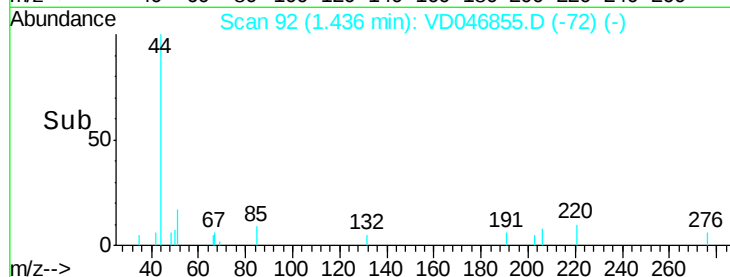


Abundance Ion 51.00 (50.70 to 51.70): VDC

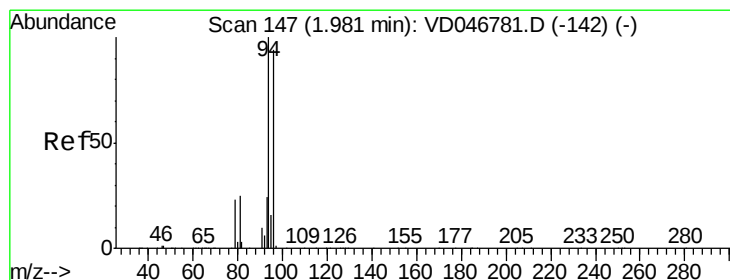
Ion 67.00 (66.70 to 67.70): VDC

1.44

1.45



Time-->



#6

Bromomethane

Concen: Below Cal

RT: 2.04 min Scan# 153

Delta R.T. 0.06 min

Lab File: VD046855.D

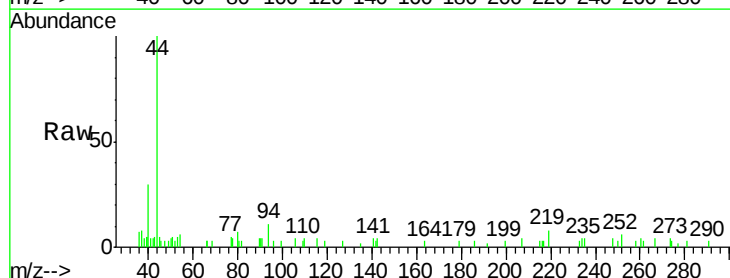
Acq: 23 Sep 2015 15:10

Tgt Ion: 94 Resp: 226

Ion Ratio Lower Upper

94 100

96 30.6 76.0 114.0#

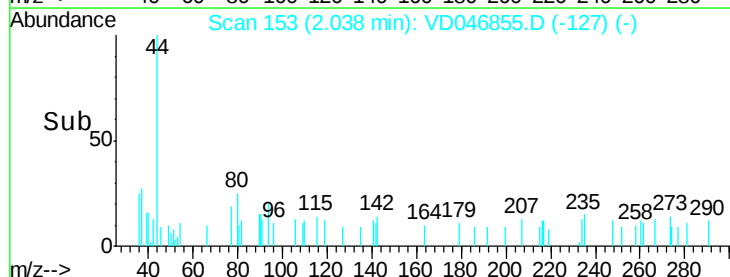


Abundance Ion 93.90 (93.60 to 94.60): VDC

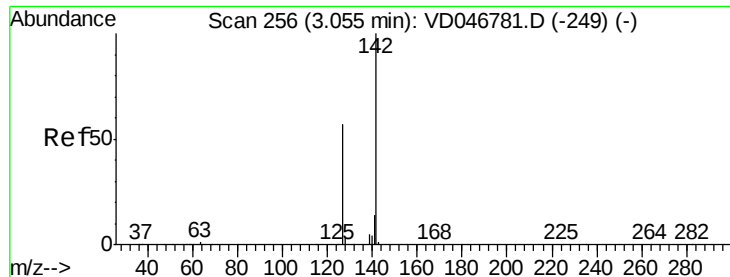
Ion 95.90 (95.60 to 96.60): VDC

2.04

2.08



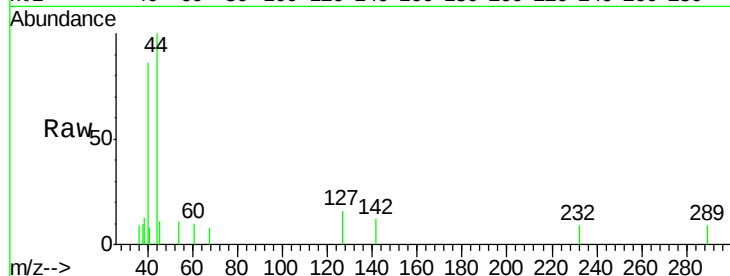
Time-->



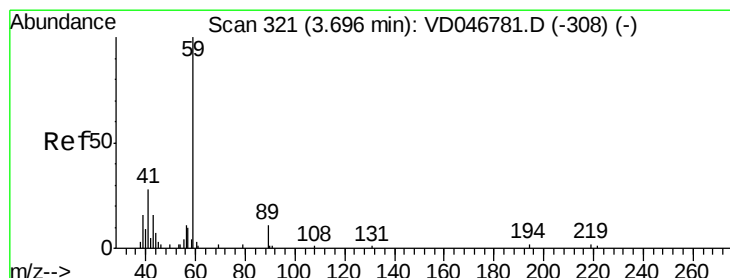
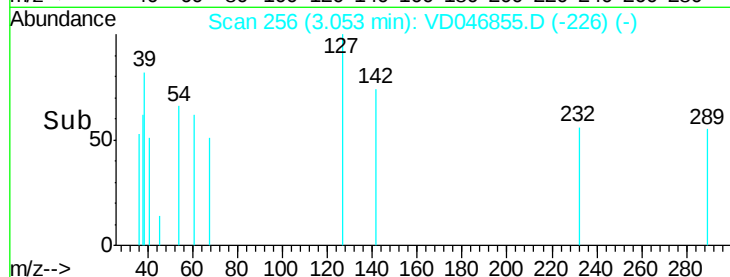
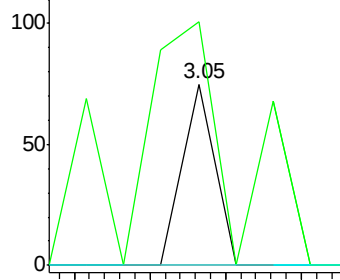
#11
Methvl Iodide
Concen: 1.76 ua/l
RT: 3.05 min Scan# 256
Delta R.T. -0.00 min
Lab File: VD046855.D
Acq: 23 Sep 2015 15:10

Instrument :
MSVOA_D
ClientSampleId :
S1-18

Tot Ion:142 Resp: 44
Ion Ratio Lower Upper
142 100
127 134.7 41.2 61.8#
141 0.0 11.6 17.4#

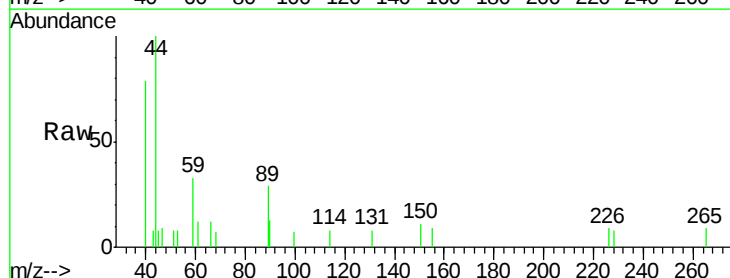


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

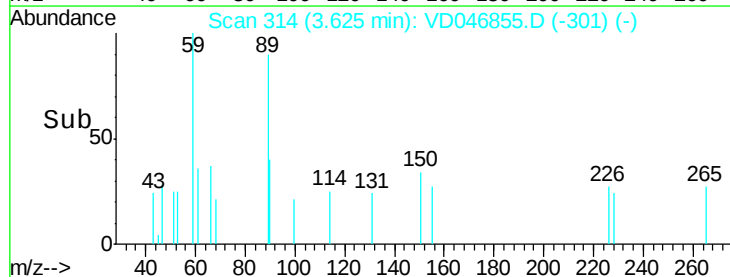
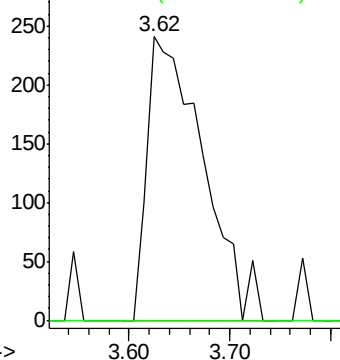


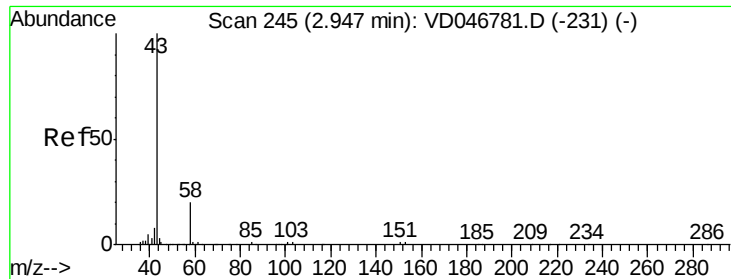
#12
Tert butyl alcohol
Concen: Below Cal
RT: 3.62 min Scan# 314
Delta R.T. -0.07 min
Lab File: VD046855.D
Acq: 23 Sep 2015 15:10

Tgt Ion: 59 Resp: 937
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: 2.38 ug/l

RT: 2.94 min Scan# 245

Delta R.T. -0.00 min

Lab File: VD046855.D

Acq: 23 Sep 2015 15:10

Instrument :

MSVOA_D

ClientSampleId :

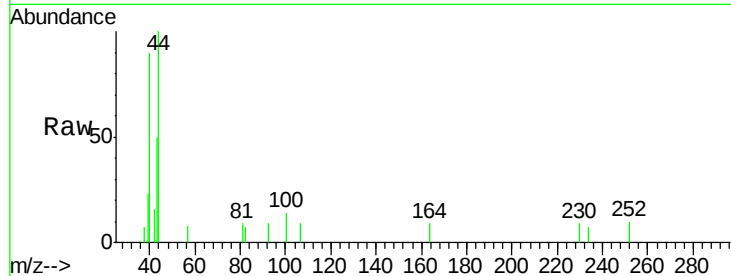
S1-18

Tot Ion: 43 Resp: 711

Ion Ratio Lower Upper

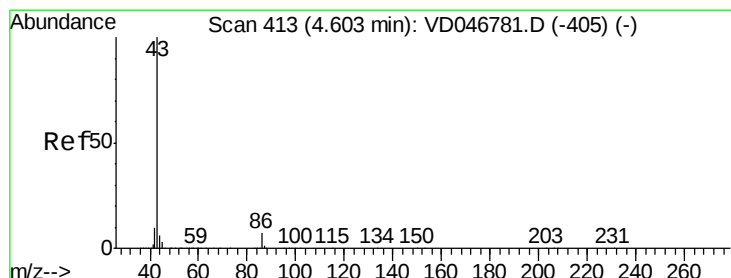
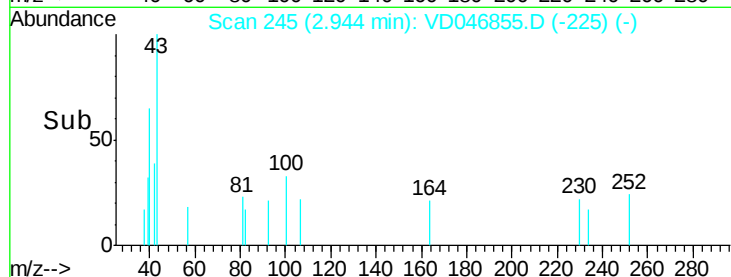
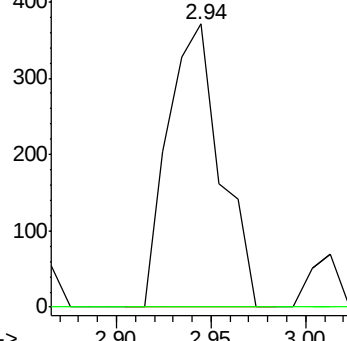
43 100

58 0.0 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: 15.05 ug/l

RT: 4.56 min Scan# 409

Delta R.T. -0.04 min

Lab File: VD046855.D

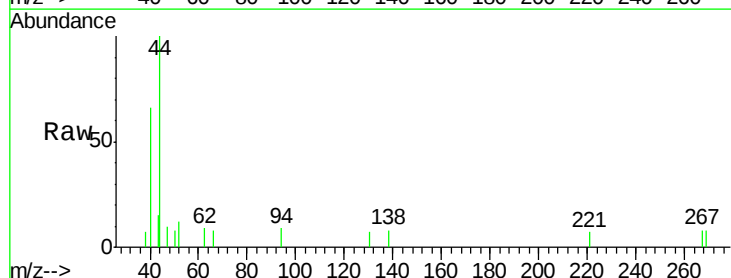
Acq: 23 Sep 2015 15:10

Tgt Ion: 43 Resp: 65

Ion Ratio Lower Upper

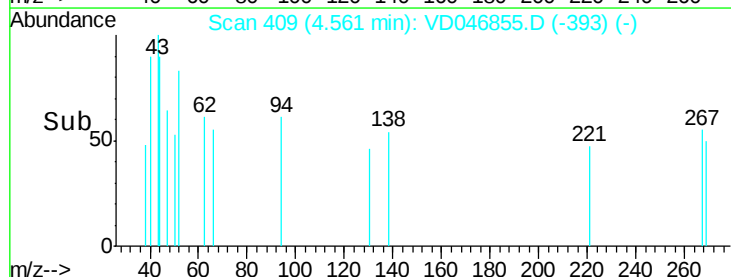
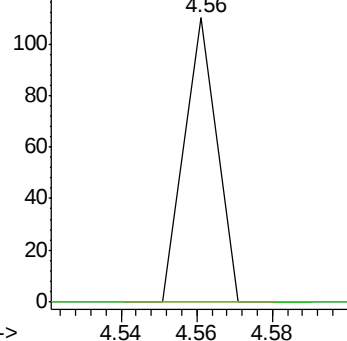
43 100

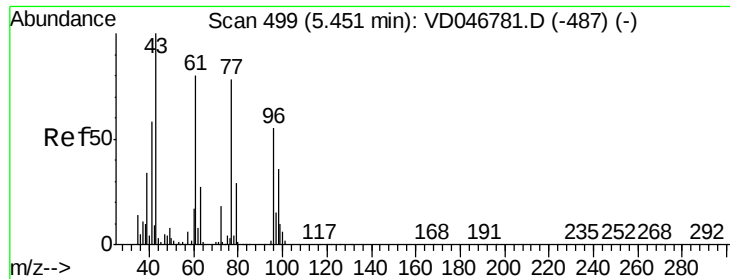
86 0.0 4.9 7.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

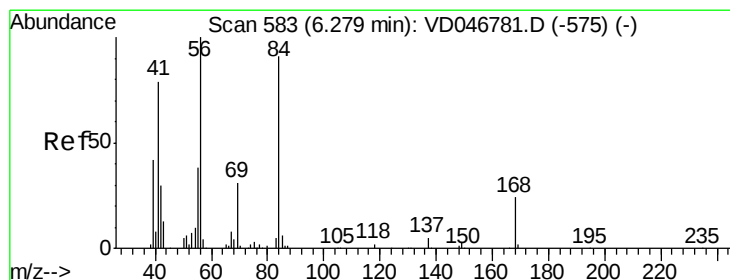
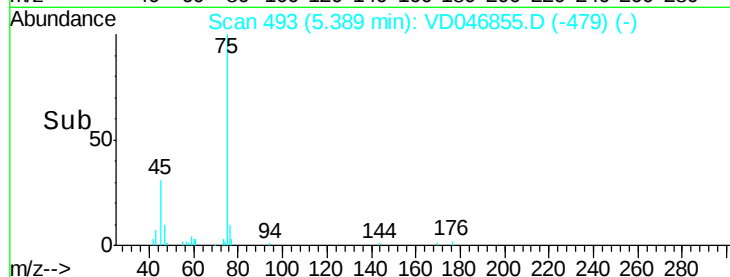
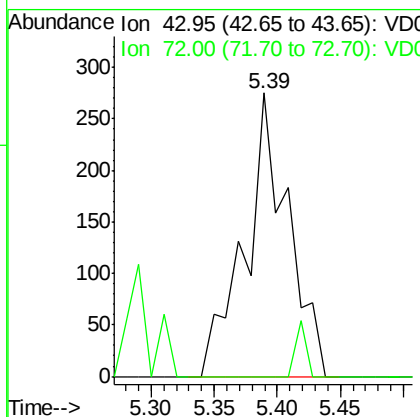
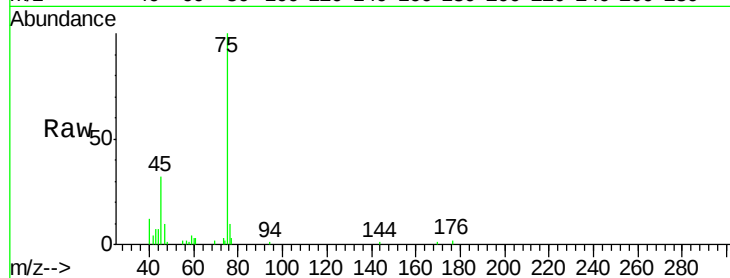




#26
2-Butanone
Concen: 1.94 ug/l
RT: 5.39 min Scan# 493
Delta R.T. -0.06 min
Lab File: VD046855.D
Acq: 23 Sep 2015 15:10

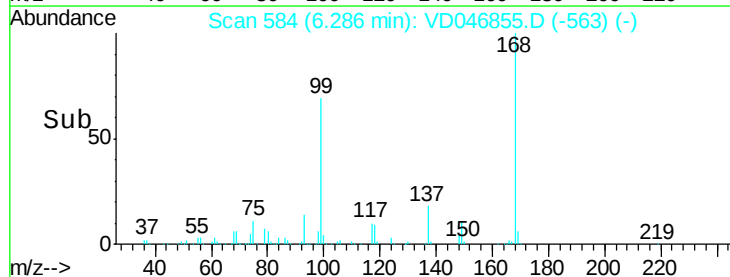
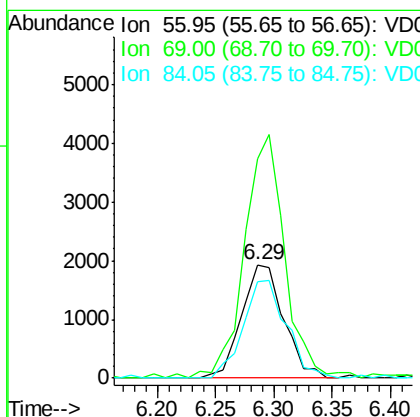
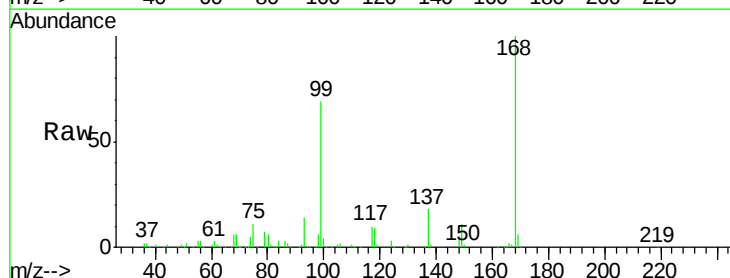
Instrument :
MSVOA_D
ClientSampleId :
S1-18

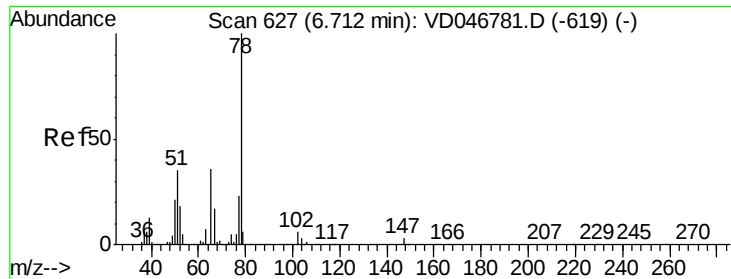
Tot Ion: 43 Resp: 652
Ion Ratio Lower Upper
43 100
72 0.0 13.4 20.0#



#31
Cyclohexane
Concen: 1.83 ug/l
RT: 6.29 min Scan# 584
Delta R.T. 0.01 min
Lab File: VD046855.D
Acq: 23 Sep 2015 15:10

Tgt Ion: 56 Resp: 4854
Ion Ratio Lower Upper
56 100
69 192.4 23.4 35.0#
84 85.3 63.8 95.8

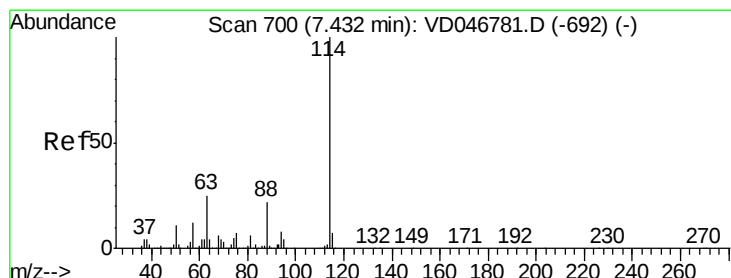
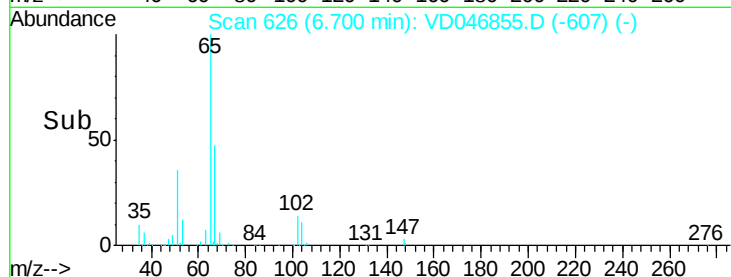
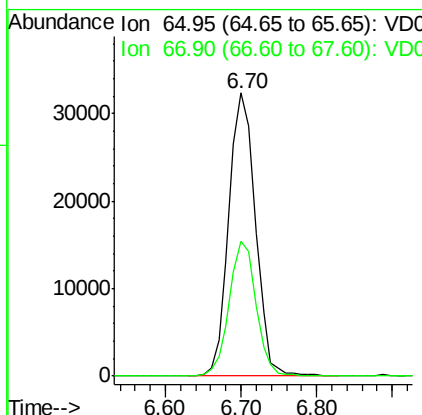
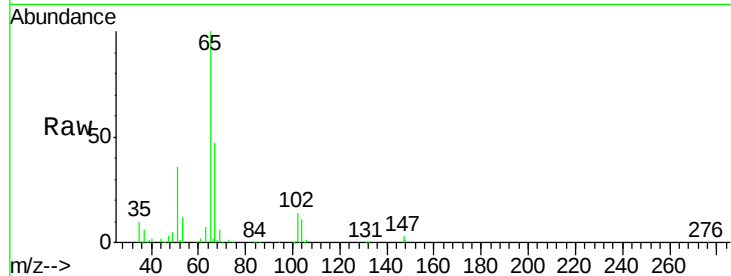




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.70 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: VD046855.D
 Acq: 23 Sep 2015 15:10

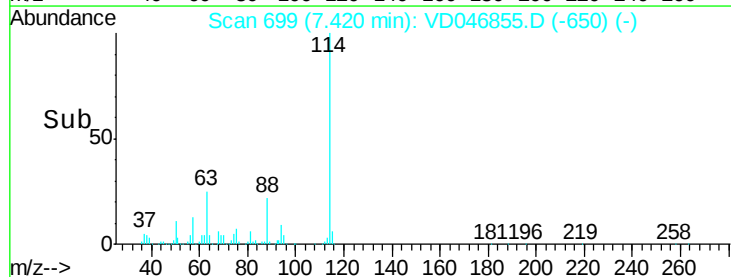
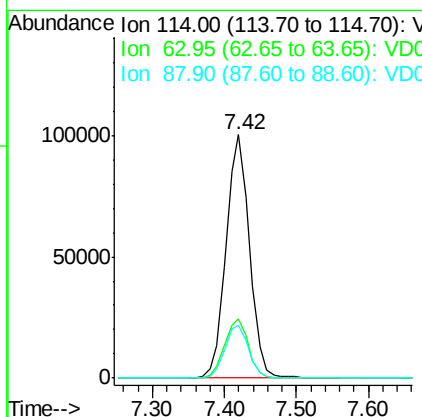
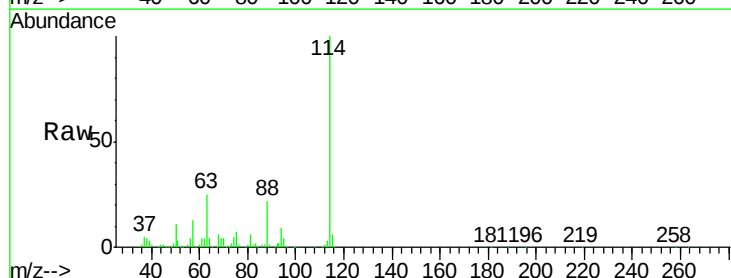
Instrument :
 MSVOA_D
 ClientSampleID :
 S1-18

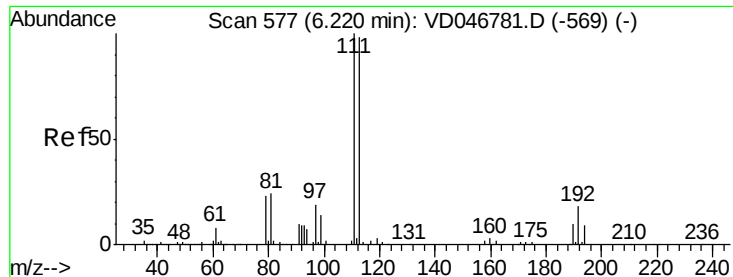
Tot Ion: 65 Resp: 78684
 Ion Ratio Lower Upper
 65 100
 67 47.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: VD046855.D
 Acq: 23 Sep 2015 15:10

Tgt Ion: 114 Resp: 225117
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.8
 88 21.8 0.0 43.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.20 min Scan# 575

Delta R.T. -0.02 min

Lab File: VD046855.D

Acq: 23 Sep 2015 15:10

Instrument :

MSVOA_D

ClientSampleId :

S1-18

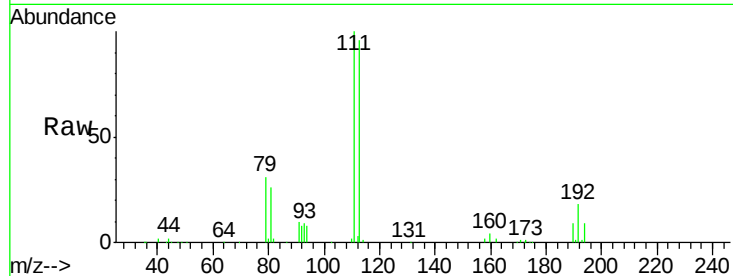
Tot Ion:113 Resp: 79715

Ion Ratio Lower Upper

113 100

111 103.7 79.4 119.0

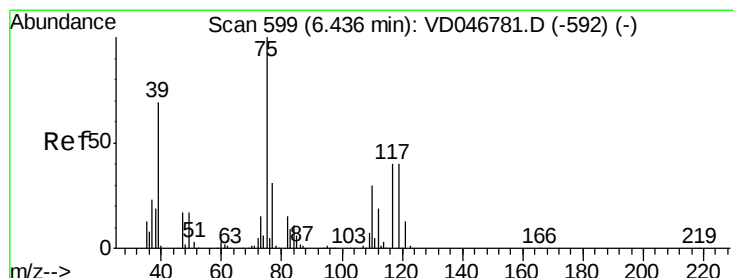
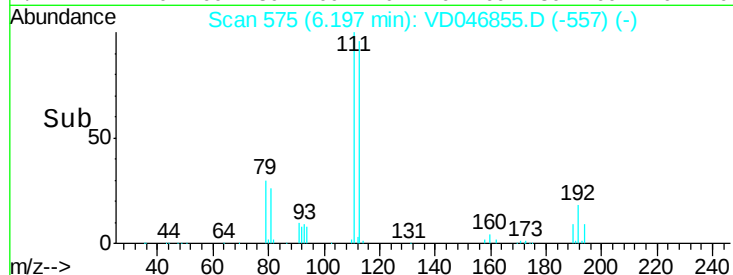
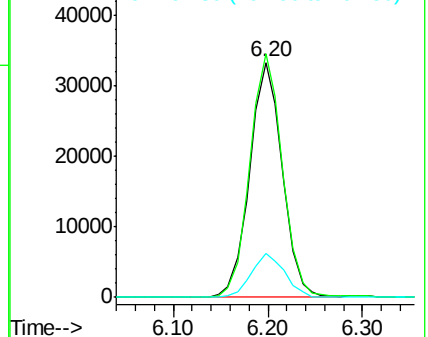
192 18.5 14.6 22.0



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: 6.16 ug/l

RT: 6.29 min Scan# 584

Delta R.T. -0.15 min

Lab File: VD046855.D

Acq: 23 Sep 2015 15:10

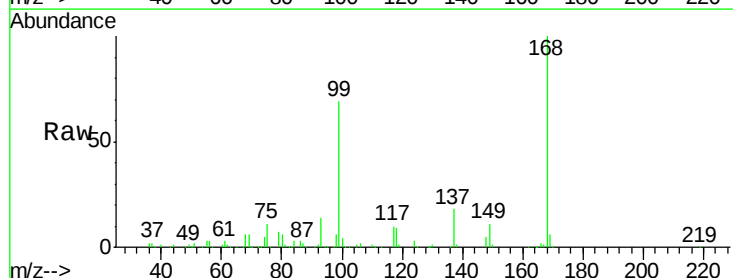
Tgt Ion: 75 Resp: 16203

Ion Ratio Lower Upper

75 100

110 7.0 13.7 41.0#

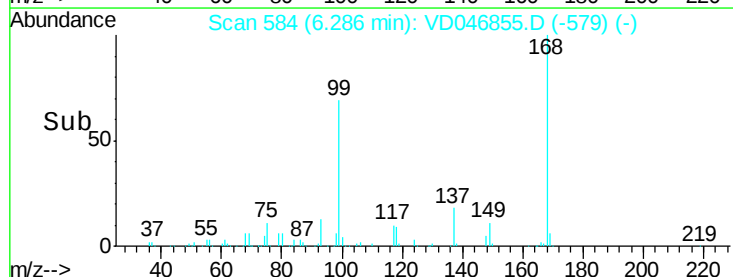
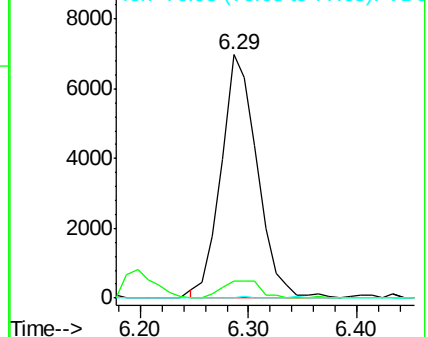
77 0.0 24.7 37.1#

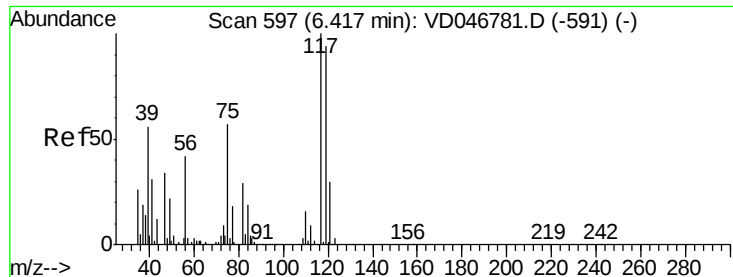


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

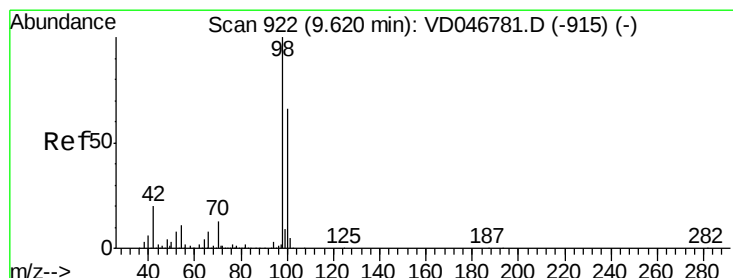
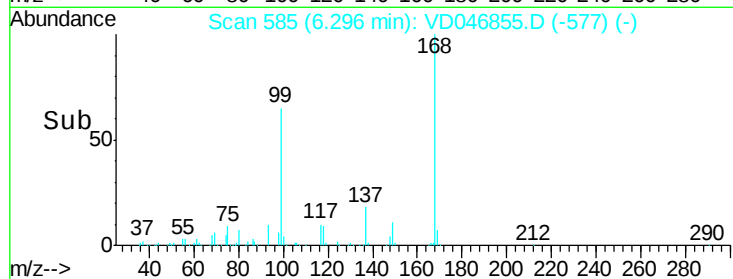
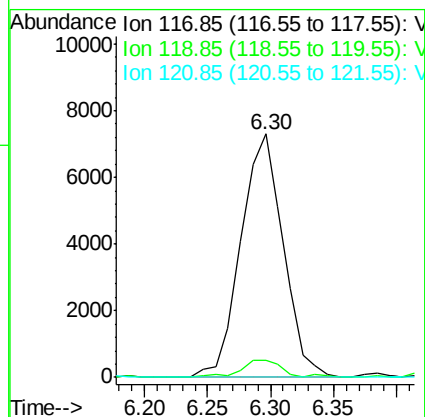
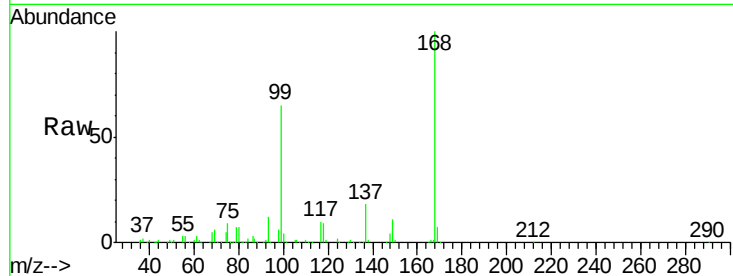




#38
Carbon Tetrachloride
Concen: 6.21 ug/l
RT: 6.30 min Scan# 585
Delta R.T. -0.12 min
Lab File: VD046855.D
Acq: 23 Sep 2015 15:10

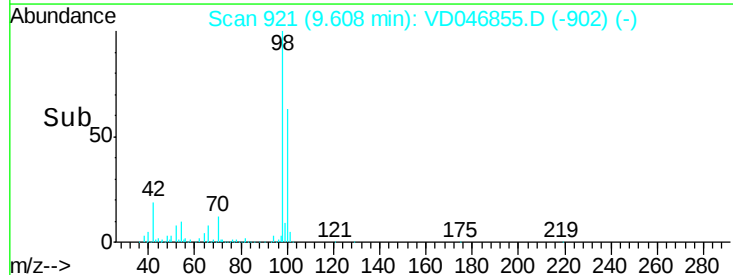
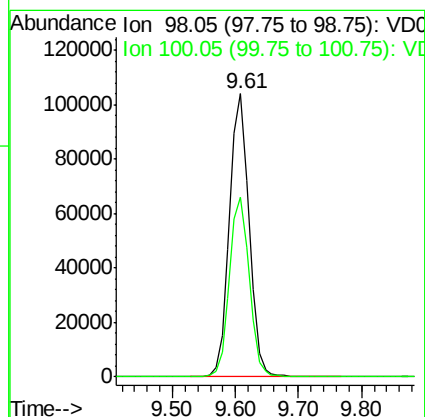
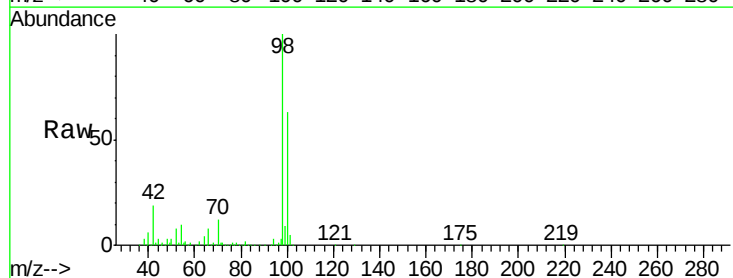
Instrument :
MSVOA_D
ClientSampleId :
S1-18

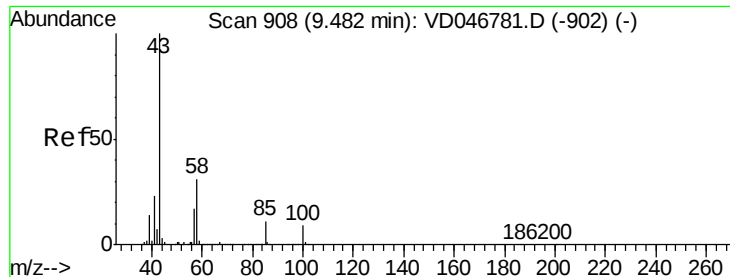
Tot Ion:117 Resp: 16990
Ion Ratio Lower Upper
117 100
119 6.9 76.2 114.4#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VD046855.D
Acq: 23 Sep 2015 15:10

Tgt Ion: 98 Resp: 224839
Ion Ratio Lower Upper
98 100
100 63.4 49.9 74.9





#51

4-Methyl-2-Pentanone

Concen: 1.05 ug/l

RT: 9.47 min Scan# 907

Delta R.T. -0.01 min

Lab File: VD046855.D

Acq: 23 Sep 2015 15:10

Instrument :

MSVOA_D

ClientSampleId :

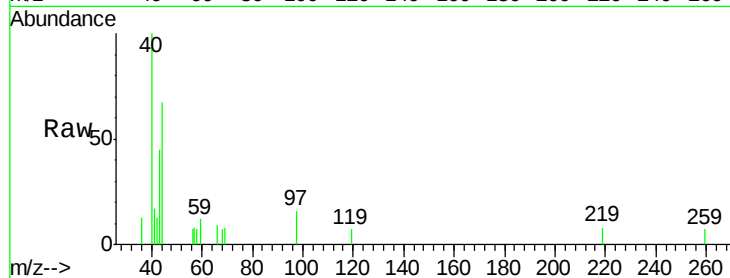
S1-18

Tot Ion: 43 Resp: 844

Ion Ratio Lower Upper

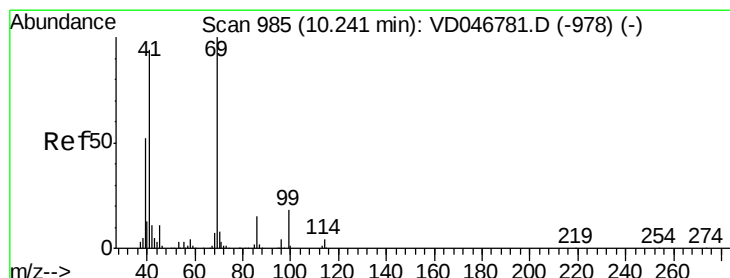
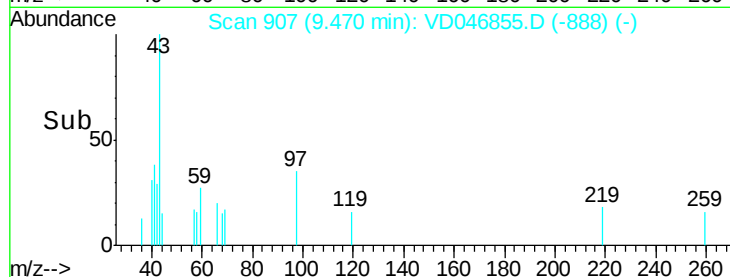
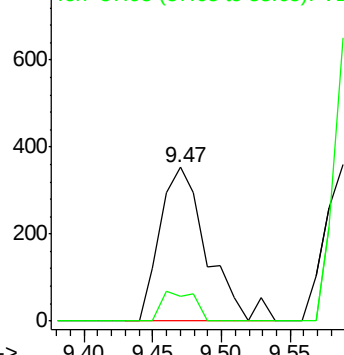
43 100

58 16.1 22.2 33.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#56

Ethyl methacrylate

Concen: 3.98 ug/l

RT: 10.21 min Scan# 982

Delta R.T. -0.03 min

Lab File: VD046855.D

Acq: 23 Sep 2015 15:10

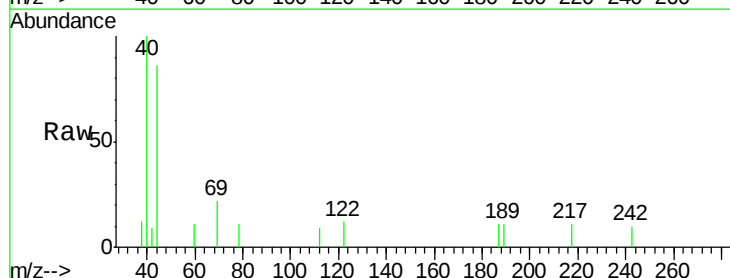
Tgt Ion: 69 Resp: 132

Ion Ratio Lower Upper

69 100

41 0.0 75.4 113.0#

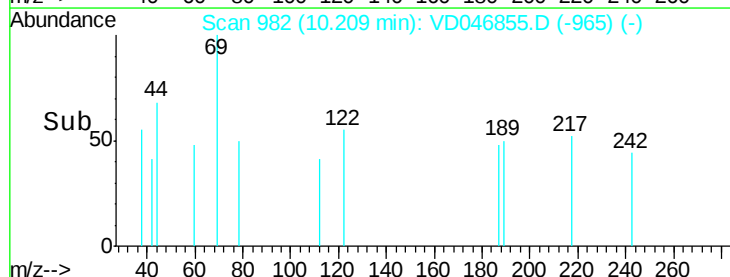
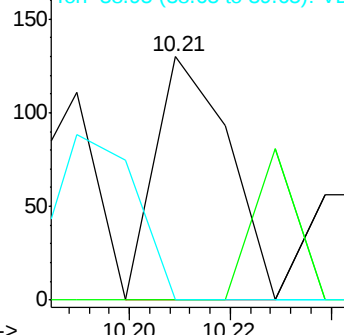
39 0.0 41.0 61.4#

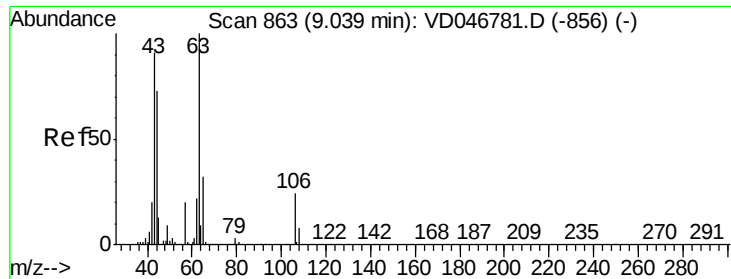


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

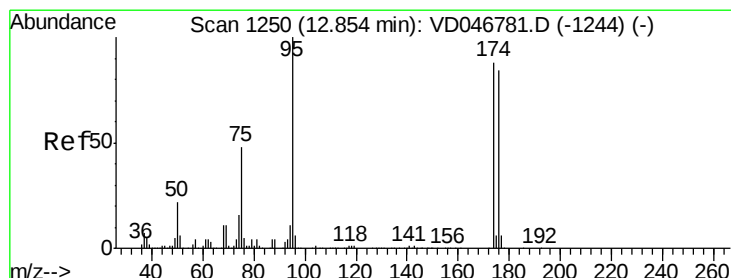
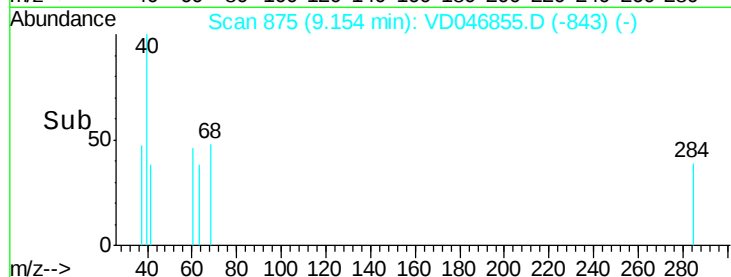
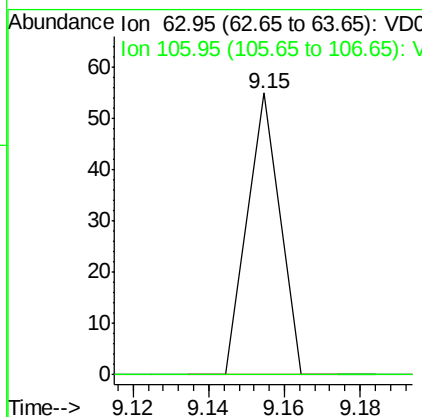
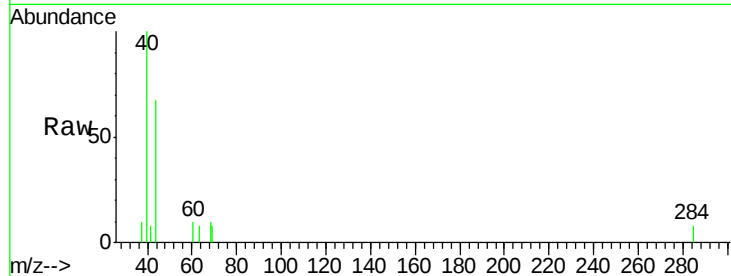




#58
 2-Chloroethyl Vinyl ether
 Concen: 6.39 ug/l
 RT: 9.15 min Scan# 875
 Delta R.T. 0.12 min
 Lab File: VD046855.D
 Acq: 23 Sep 2015 15:10

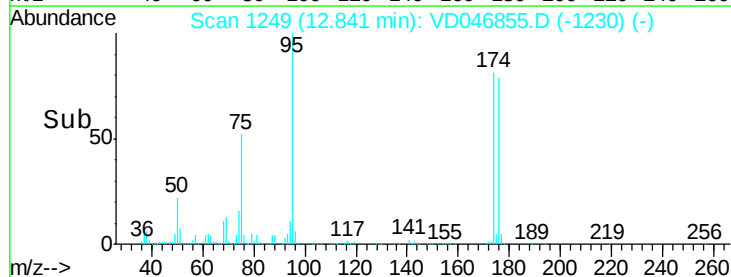
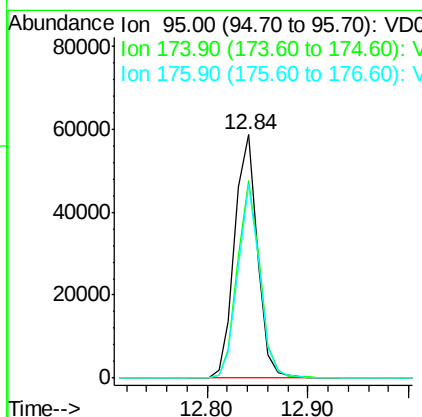
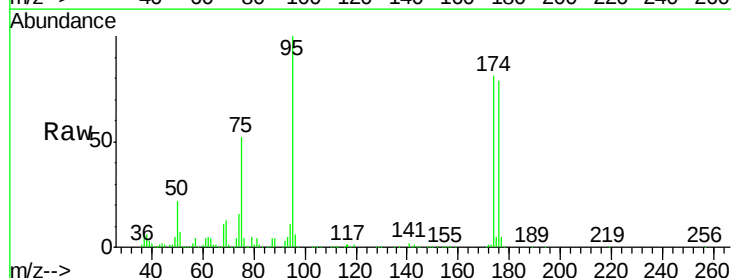
Instrument :
 MSVOA_D
 ClientSampleId :
 S1-18

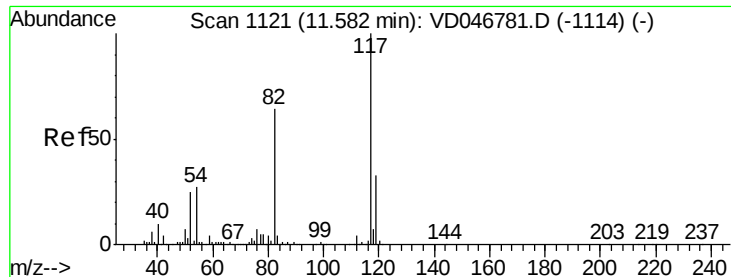
Tot Ion: 63 Resp: 33
 Ion Ratio Lower Upper
 63 100
 106 0.0 17.8 26.8#



#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 12.84 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VD046855.D
 Acq: 23 Sep 2015 15:10

Tgt Ion: 95 Resp: 91886
 Ion Ratio Lower Upper
 95 100
 174 81.3 0.0 149.8
 176 79.5 0.0 143.4

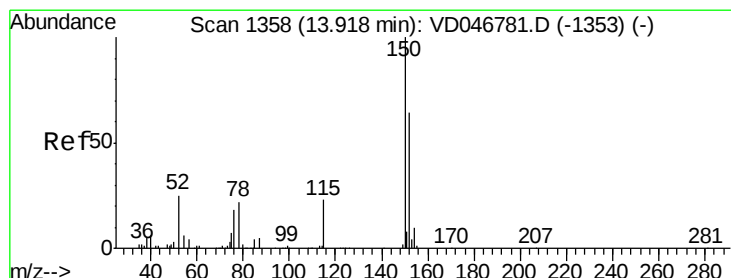
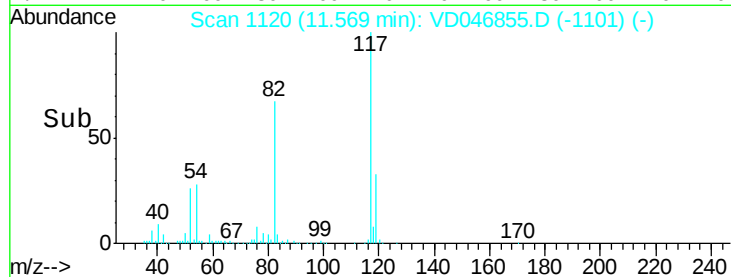
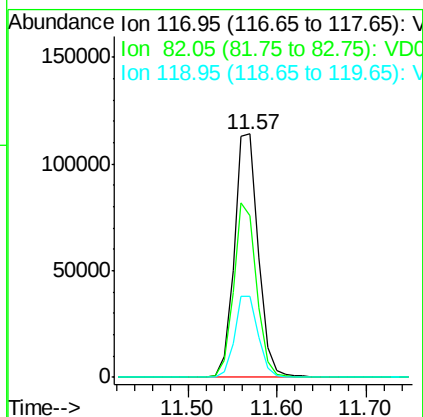
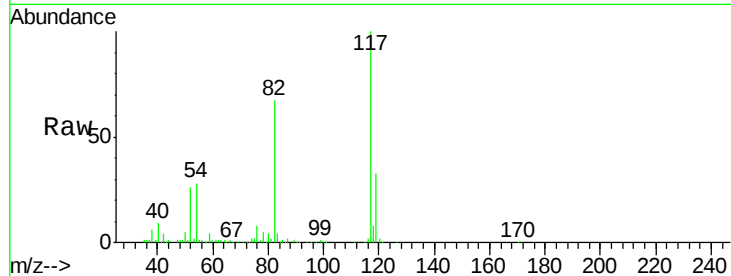




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.01 min
Lab File: VD046855.D
Acq: 23 Sep 2015 15:10

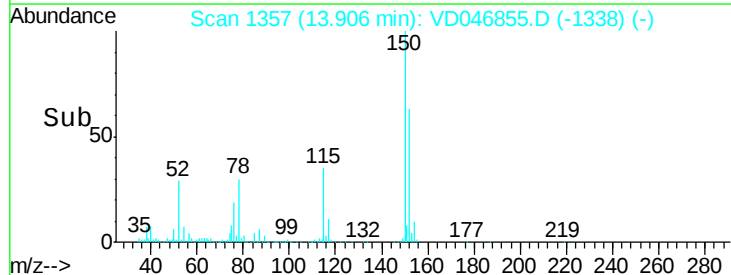
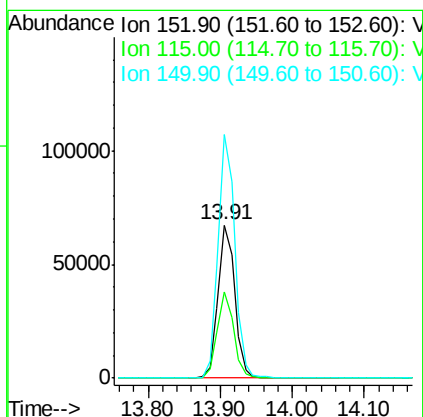
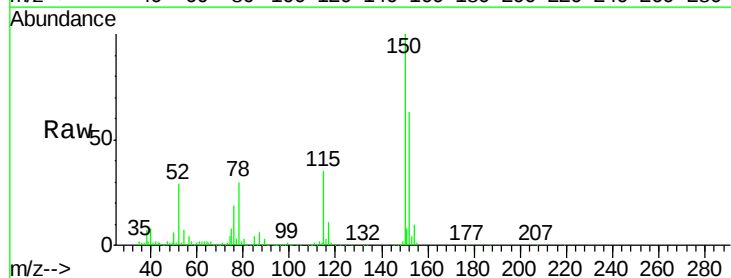
Instrument :
MSVOA_D
ClientSampleId :
S1-18

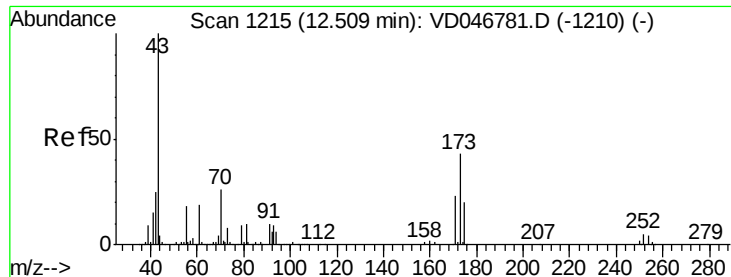
Tot Ion:117 Resp: 215471
Ion Ratio Lower Upper
117 100
82 66.6 50.6 75.8
119 33.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.91 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VD046855.D
Acq: 23 Sep 2015 15:10

Tgt Ion:152 Resp: 107639
Ion Ratio Lower Upper
152 100
115 56.4 26.2 78.6
150 159.3 0.0 311.8

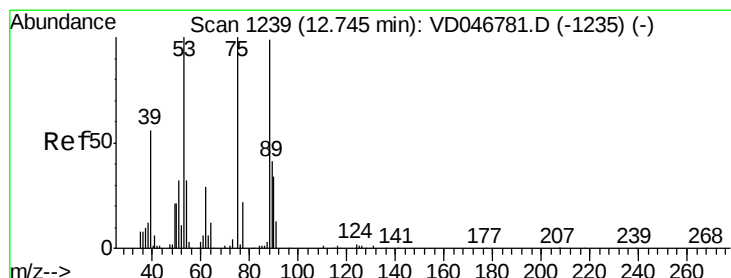
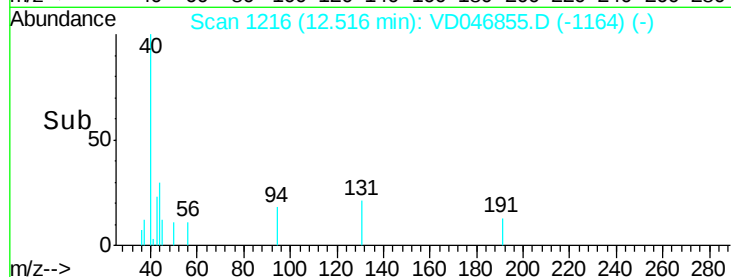
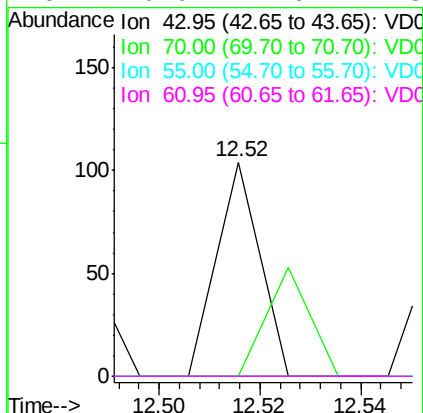
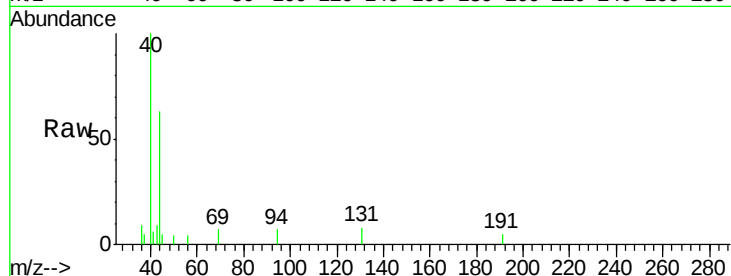




#74
N-amvl acetate
Concen: 4.74 ug/l
RT: 12.52 min Scan# 1216
Delta R.T. 0.01 min
Lab File: VD046855.D
Acq: 23 Sep 2015 15:10

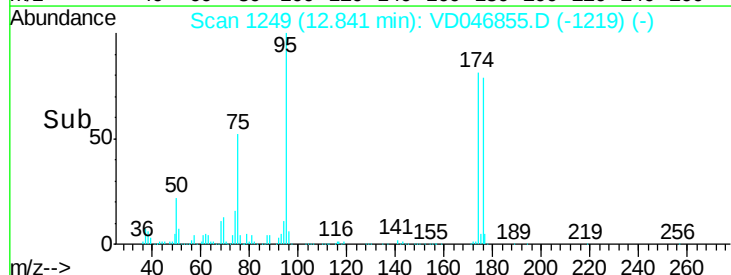
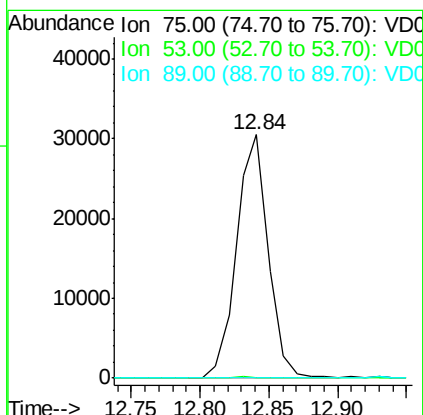
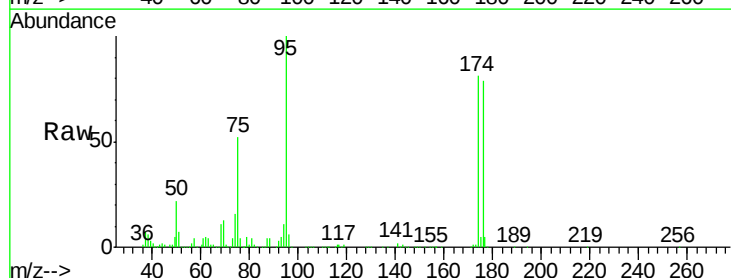
Instrument :
MSVOA_D
ClientSampleId :
S1-18

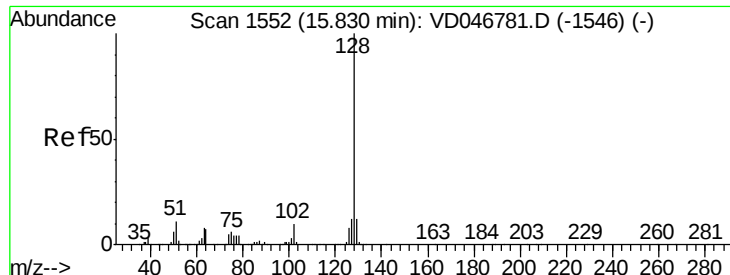
Tot Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
70 0.0 22.1 33.1#
55 0.0 14.5 21.7#
61 0.0 14.6 21.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.17 ug/l
RT: 12.84 min Scan# 1249
Delta R.T. 0.10 min
Lab File: VD046855.D
Acq: 23 Sep 2015 15:10

Tgt Ion: 75 Resp: 48893
Ion Ratio Lower Upper
75 100
53 0.4 82.3 123.5#
89 0.0 36.6 54.8#





#95

Naphthalene

Concen: 2.67 ug/l

RT: 15.82 min Scan# 1551

Delta R.T. -0.01 min

Lab File: VD046855.D

Acq: 23 Sep 2015 15:10

Instrument :

MSVOA_D

ClientSampleId :

S1-18

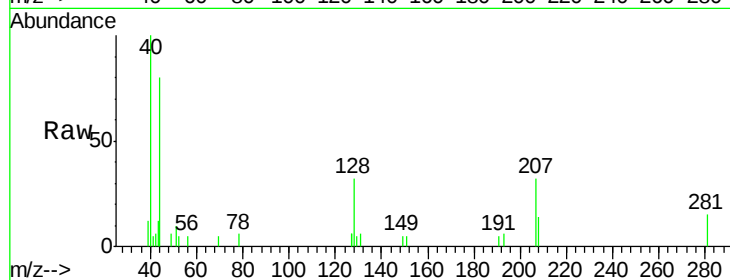
Tot Ion:128 Resp: 708

Ion Ratio Lower Upper

128 100

127 38.8 9.8 14.6#

129 17.2 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

