

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD032818\
 Data File : VD057006.D
 Acq On : 28 Mar 2018 17:13
 Operator : JC/SY
 Sample : J2075-01
 Misc : 10.23g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-107(4-5)

Quant Time: Mar 29 05:52:58 2018
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D031518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 13:41:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	29690	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.30	114	60265	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.48	117	49775	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.84	152	21414	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.58	65	31848	96.16	ug/l	-0.03
Spiked Amount			Recovery	=	192.32%	
35) Dibromofluoromethane	6.07	113	27668	64.65	ug/l	-0.03
Spiked Amount			Recovery	=	129.30%	
50) Toluene-d8	9.49	98	59063	44.86	ug/l	-0.03
Spiked Amount			Recovery	=	89.72%	
62) 4-Bromofluorobenzene	12.77	95	28300	49.15	ug/l	-0.02
Spiked Amount			Recovery	=	98.30%	

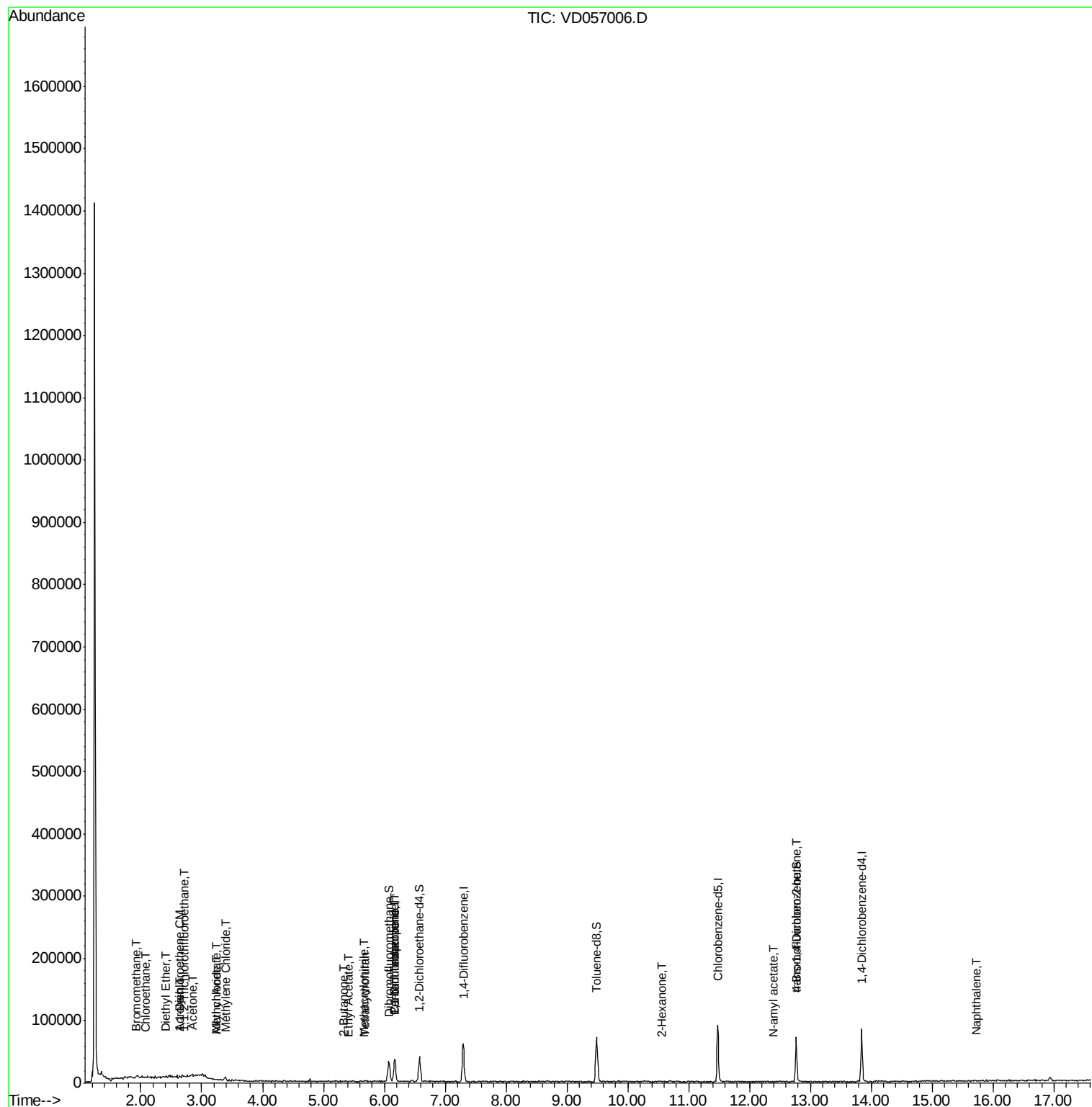
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.92	94	259	2.25	ug/l #	4
6) Chloroethane	2.09	64	207	2.14	ug/l #	42
8) Diethyl Ether	2.41	74	197	3.31	ug/l	64
9) 1,1,2-Trichlorotrifluoroet	2.72	101	199	1.14	ug/l #	18
12) 1,1-Dichloroethene	2.62	96	208	1.47	ug/l #	1
13) Acrolein	2.63	56	732	75.29	ug/l	98
14) Allyl chloride	3.23	41	876	2.91	ug/l #	62
16) Acetone	2.85	43	6092	120.23	ug/l #	61
18) Methyl Acetate	3.23	43	519	4.53	ug/l #	57
20) Methylene Chloride	3.38	84	2170	11.22	ug/l #	79
25) 2-Butanone	5.33	43	493	4.21	ug/l #	56
29) Tetrahydrofuran	5.69	42	186	2.83	ug/l #	37
31) Cyclohexane	5.98	56	285	Below Cal	#	21
36) 1,1-Dichloropropene	6.17	75	3142	4.77	ug/l #	44
37) Ethyl Acetate	5.40	43	200	2.11	ug/l #	70
38) Carbon Tetrachloride	6.16	117	2886	5.10	ug/l #	11
41) Methacrylonitrile	5.66	41	213	1.21	ug/l #	28
59) 2-Hexanone	10.57	43	251	1.04	ug/l #	27
74) N-amyl acetate	12.39	43	647	1.05	ug/l #	47
81) trans-1,4-Dichloro-2-buten	12.77	75	13639	116.36	ug/l #	18
95) Naphthalene	15.71	128	1276	1.69	ug/l #	71

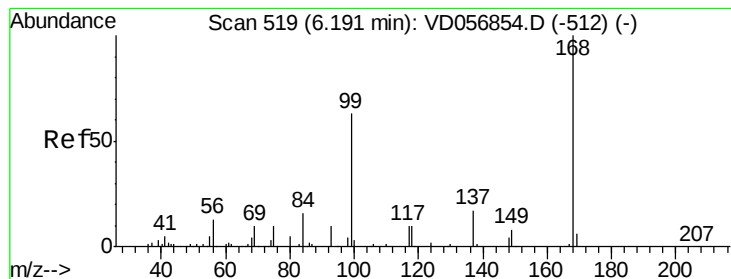
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-107(4-5)

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Quant Title : SW846 8260
QLast Update : Thu Mar 15 13:41:11 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.17 min Scan# 517

Delta R.T. -0.03 min

Lab File: VD057006.D

Acq: 28 Mar 2018 17:13

Instrument :

MSVOA_X

ClientSampled :

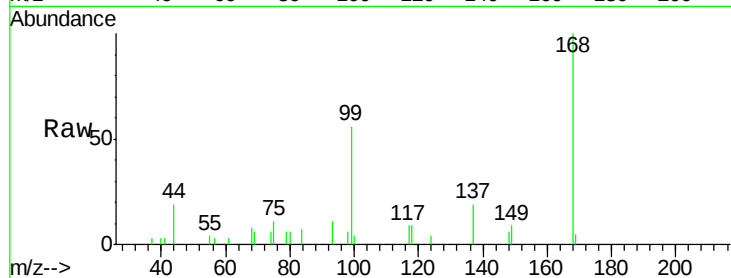
SB-107(4-5)

Tgt Ion:168 Resp: 29690

Ion Ratio Lower Upper

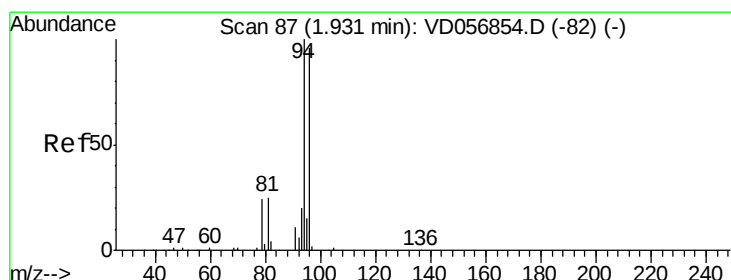
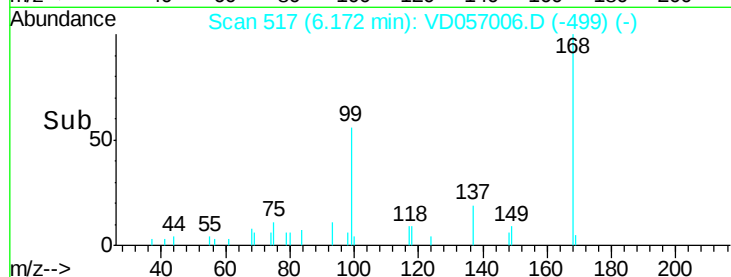
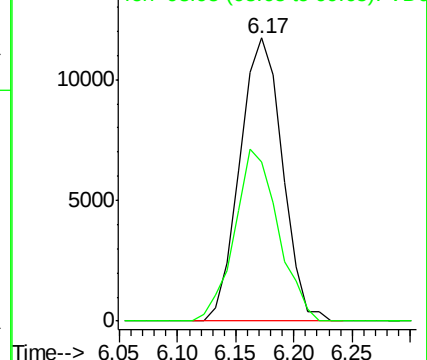
168 100

99 56.1 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.25 ug/l

RT: 1.92 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD057006.D

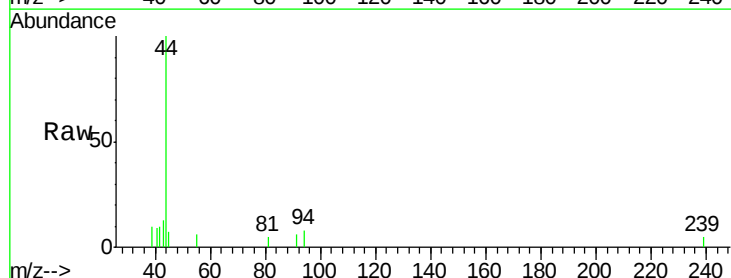
Acq: 28 Mar 2018 17:13

Tgt Ion: 94 Resp: 259

Ion Ratio Lower Upper

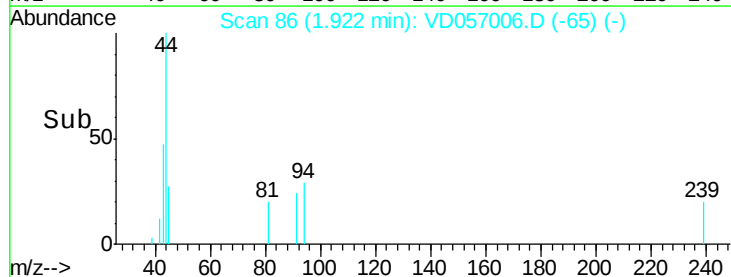
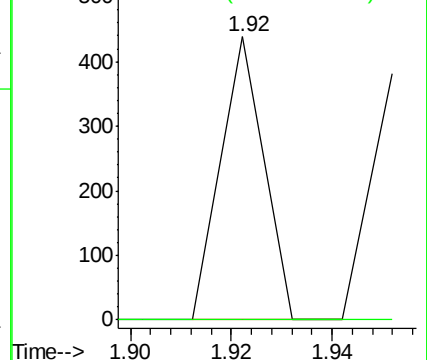
94 100

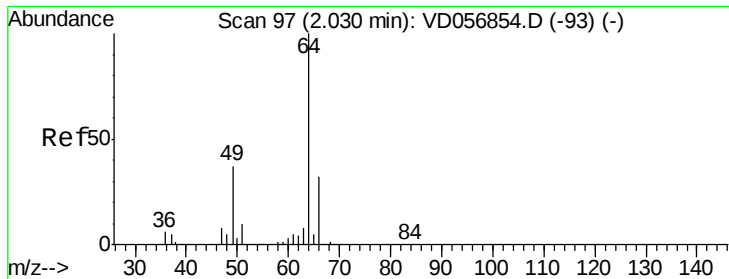
96 0.0 72.2 108.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#6

Chloroethane

Concen: 2.14 ug/l

RT: 2.09 min Scan# 103

Delta R.T. 0.06 min

Lab File: VD057006.D

Acq: 28 Mar 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

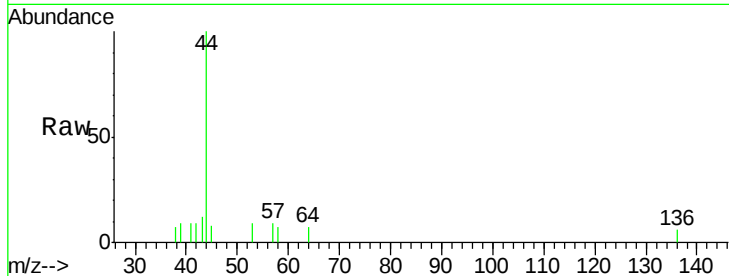
SB-107(4-5)

Tgt Ion: 64 Resp: 207

Ion Ratio Lower Upper

64 100

66 0.0 26.1 39.1#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.09

300

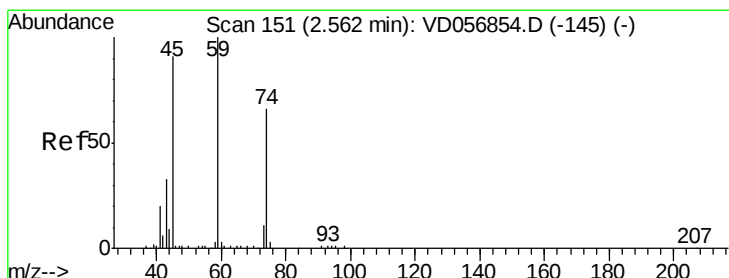
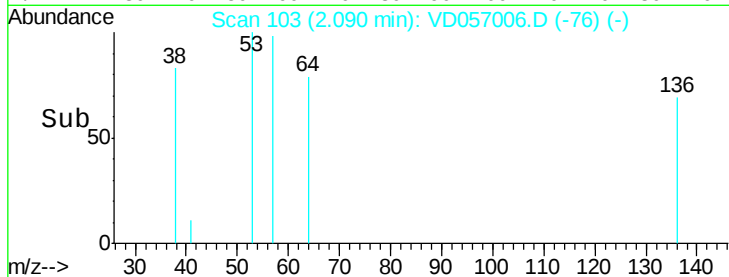
200

100

0

2.06 2.08 2.10 2.12

Time-->



#8

Diethyl Ether

Concen: 3.31 ug/l

RT: 2.41 min Scan# 135

Delta R.T. -0.15 min

Lab File: VD057006.D

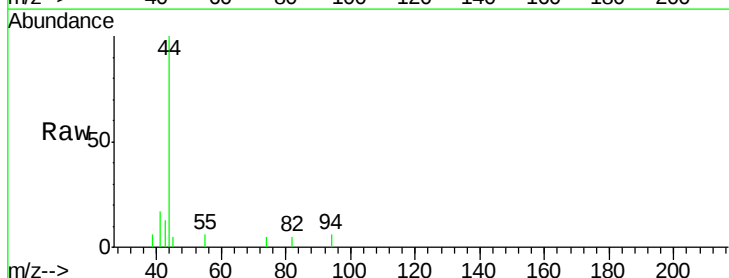
Acq: 28 Mar 2018 17:13

Tgt Ion: 74 Resp: 197

Ion Ratio Lower Upper

74 100

45 101.5 72.9 218.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.41

600

500

400

300

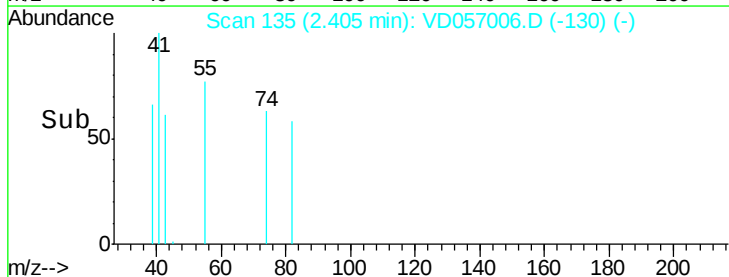
200

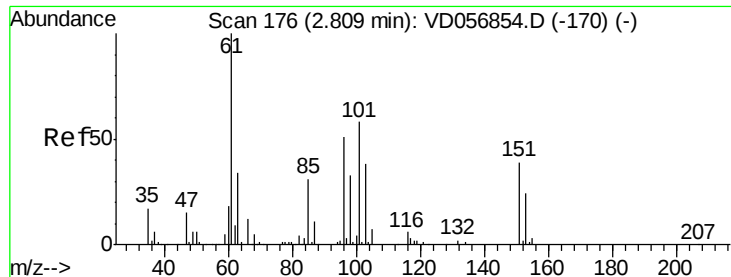
100

0

2.40 2.42

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.14 ug/l

RT: 2.72 min Scan# 167

Delta R.T. -0.09 min

Lab File: VD057006.D

Acq: 28 Mar 2018 17:13

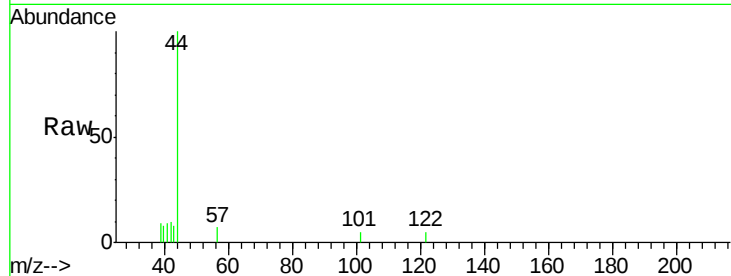
Instrument :

MSVOA_X

ClientSampleId :

SB-107(4-5)

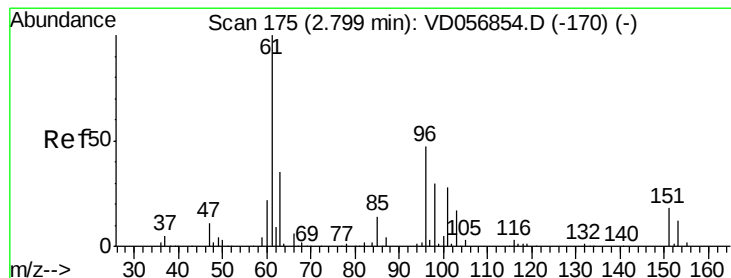
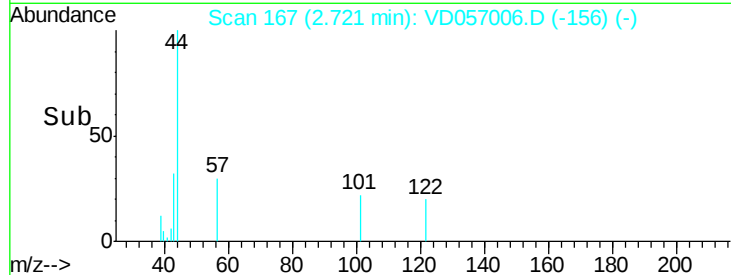
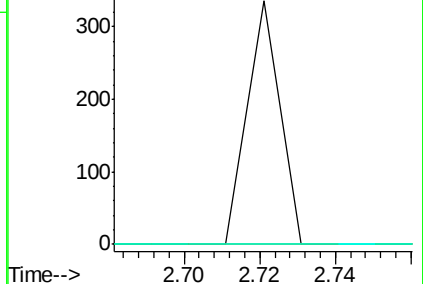
Tgt Ion:	101	Resp:	199
Ion	Ratio	Lower	Upper
101	100		
85	0.0	42.3	63.5#
151	0.0	58.5	87.7#



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V



#12

1,1-Dichloroethene

Concen: 1.47 ug/l

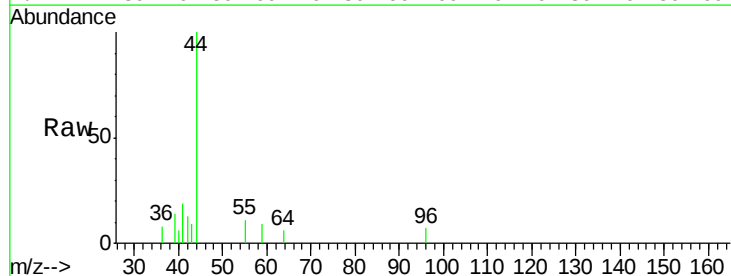
RT: 2.62 min Scan# 157

Delta R.T. -0.17 min

Lab File: VD057006.D

Acq: 28 Mar 2018 17:13

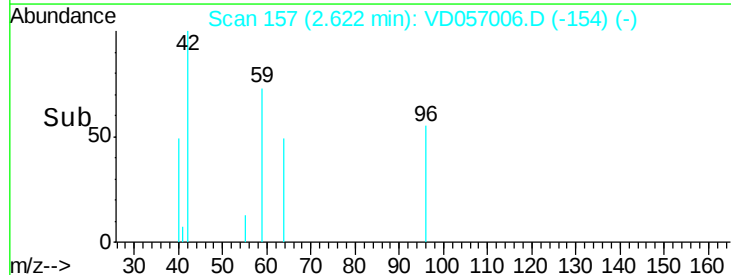
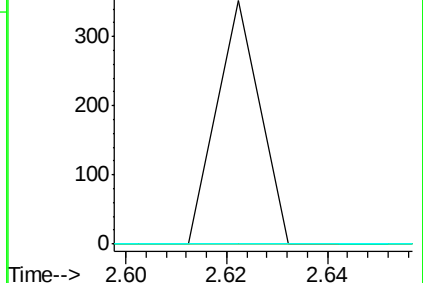
Tgt Ion:	96	Resp:	208
Ion	Ratio	Lower	Upper
96	100		
61	0.0	172.2	258.4#
98	0.0	49.4	74.0#

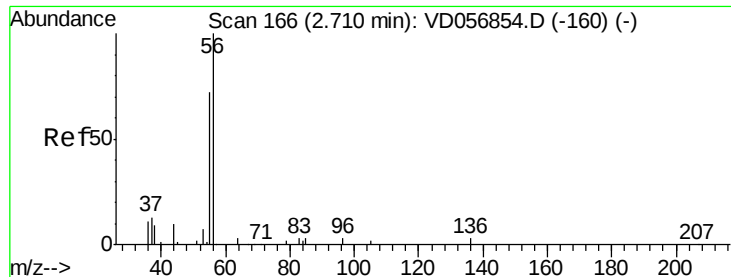


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 75.29 ug/l

RT: 2.63 min Scan# 158

Delta R.T. -0.07 min

Lab File: VD057006.D

Acq: 28 Mar 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

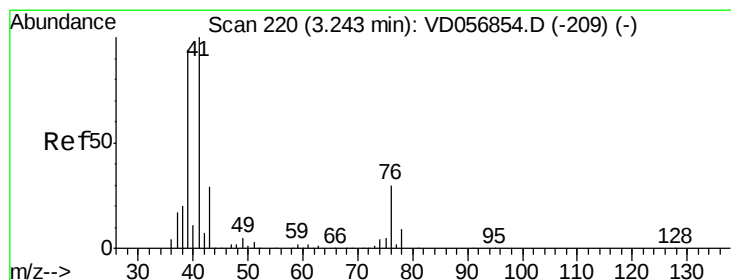
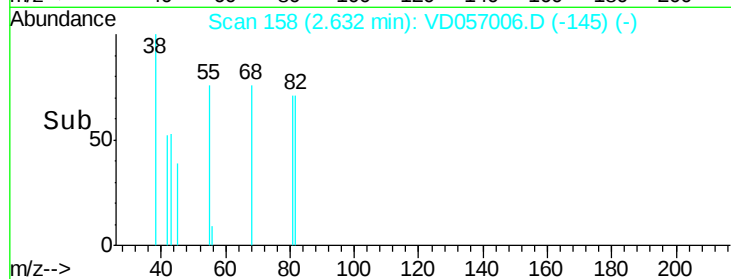
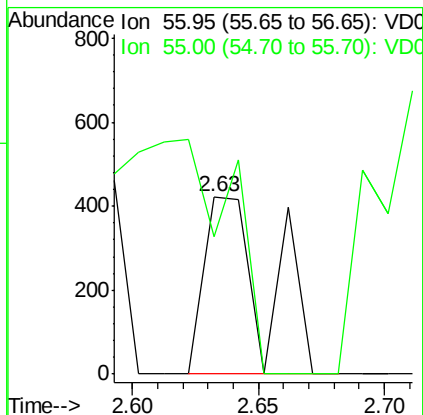
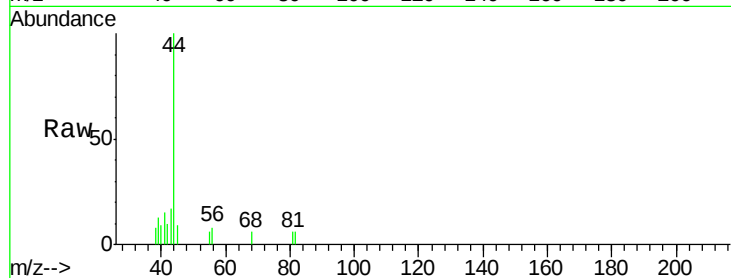
SB-107(4-5)

Tgt Ion: 56 Resp: 732

Ion Ratio Lower Upper

56 100

55 77.5 63.2 94.8



#14

Allyl chloride

Concen: 2.91 ug/l

RT: 3.23 min Scan# 219

Delta R.T. -0.01 min

Lab File: VD057006.D

Acq: 28 Mar 2018 17:13

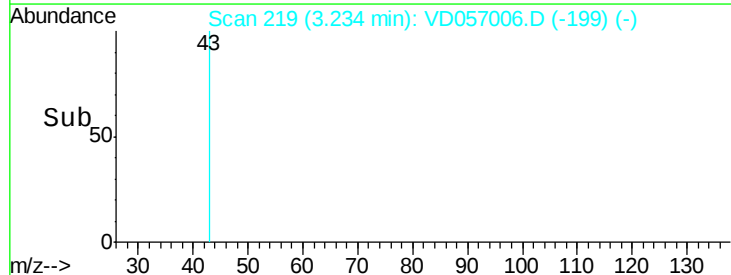
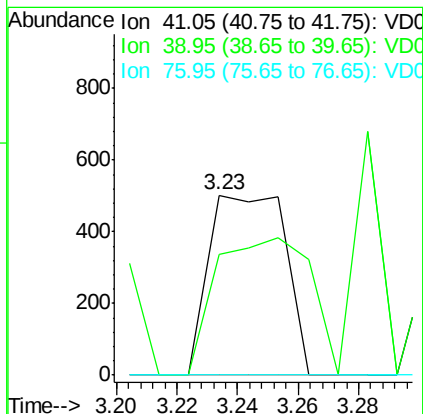
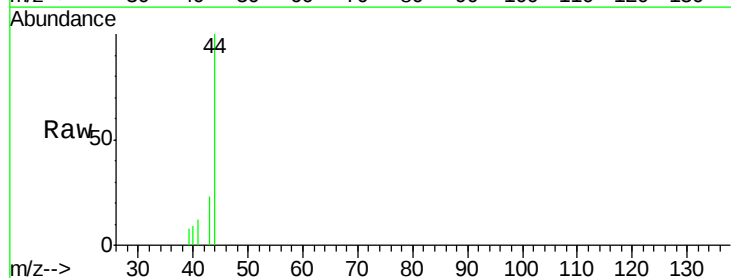
Tgt Ion: 41 Resp: 876

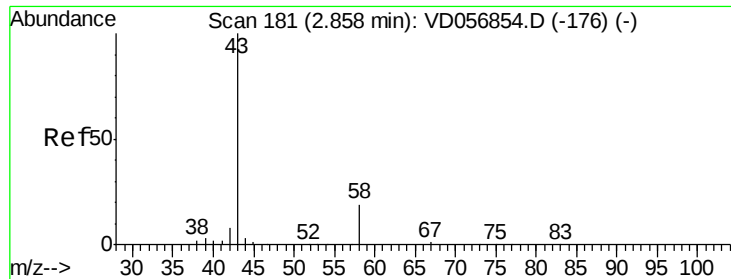
Ion Ratio Lower Upper

41 100

39 67.1 81.0 121.6#

76 0.0 22.9 34.3#





#16

Acetone

Concen: 120.23 ug/l

RT: 2.85 min Scan# 180

Delta R.T. -0.02 min

Lab File: VD057006.D

Acq: 28 Mar 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

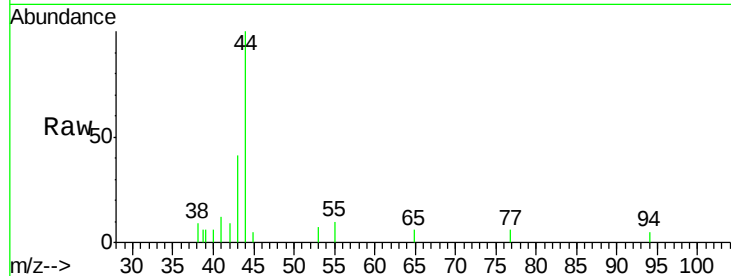
SB-107(4-5)

Tgt Ion: 43 Resp: 6092

Ion Ratio Lower Upper

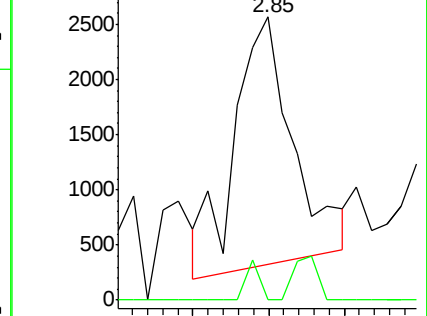
43 100

58 0.0 13.6 20.4#

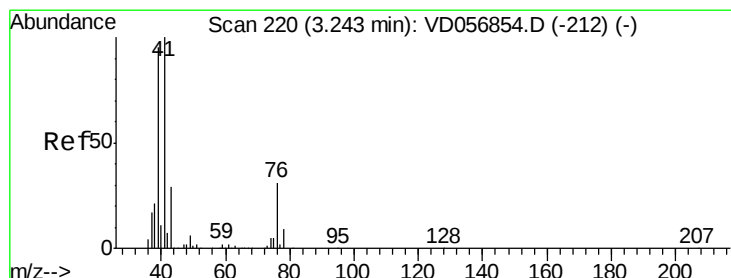
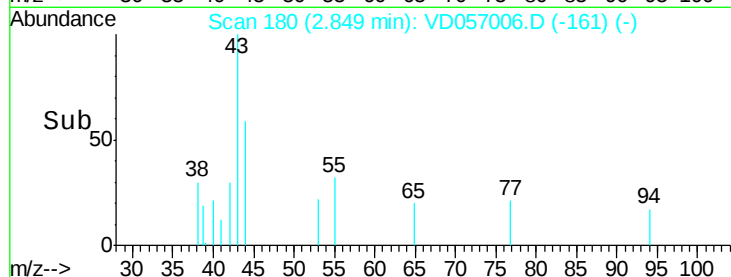


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#18

Methyl Acetate

Concen: 4.53 ug/l

RT: 3.23 min Scan# 219

Delta R.T. -0.02 min

Lab File: VD057006.D

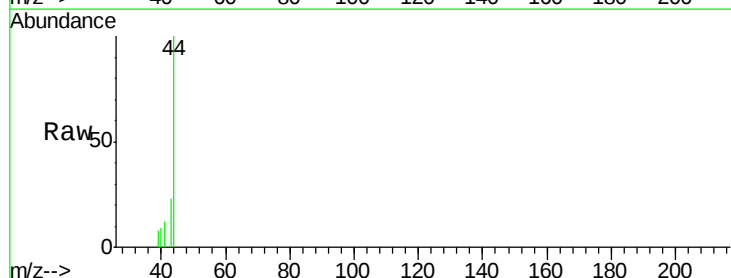
Acq: 28 Mar 2018 17:13

Tgt Ion: 43 Resp: 519

Ion Ratio Lower Upper

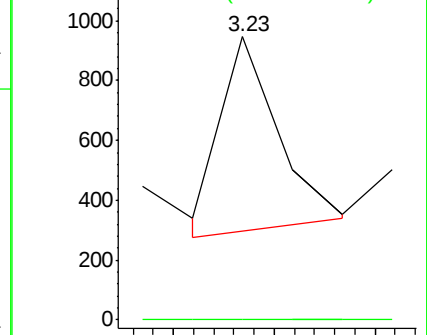
43 100

74 0.0 15.6 23.4#

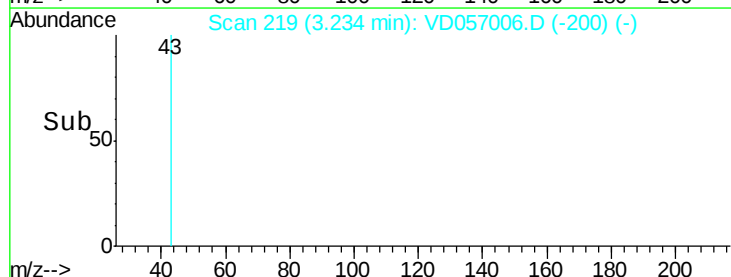


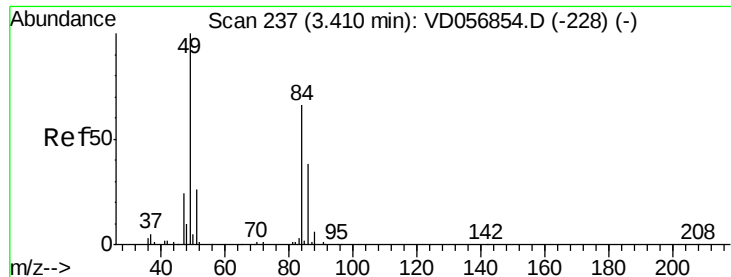
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time-->

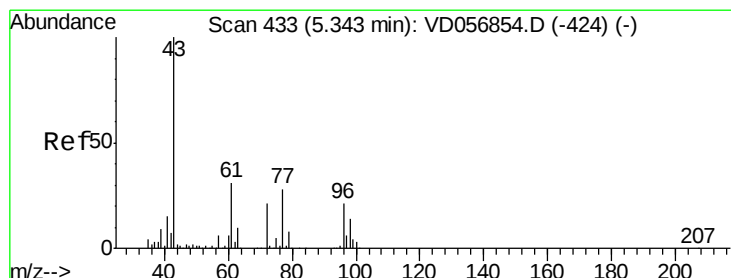
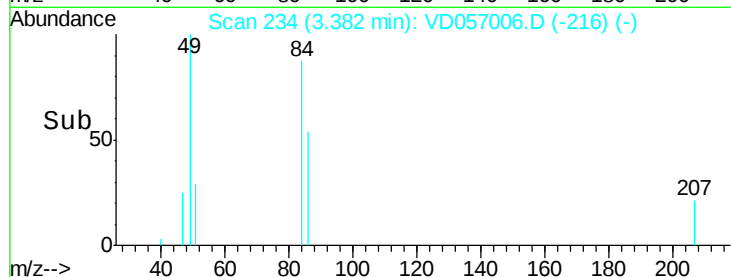
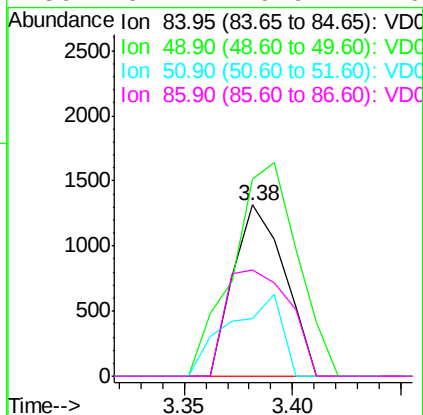
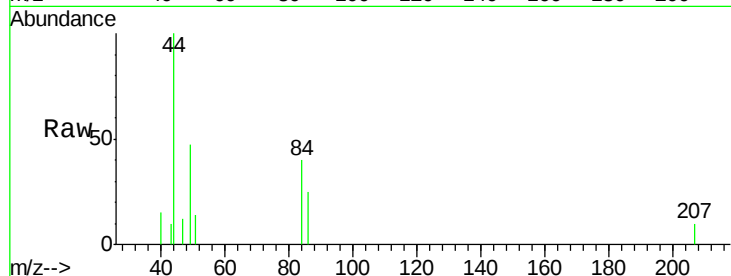




#20
Methylene Chloride
Concen: 11.22 ug/l
RT: 3.38 min Scan# 234
Delta R.T. -0.03 min
Lab File: VD057006.D
Acq: 28 Mar 2018 17:13

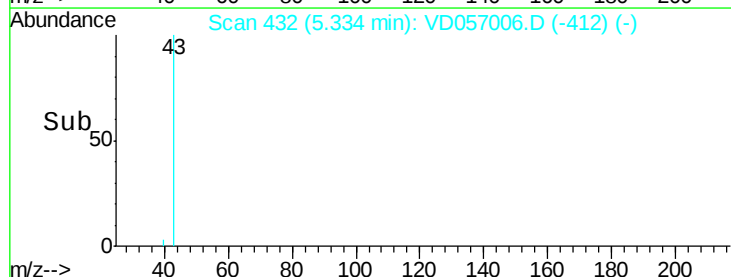
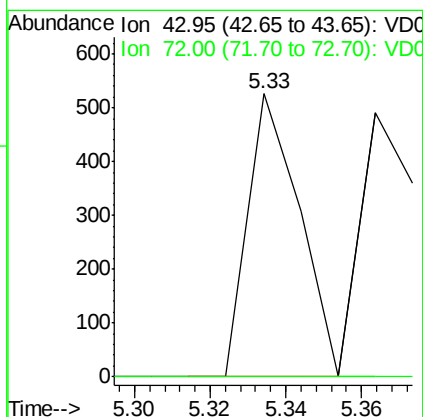
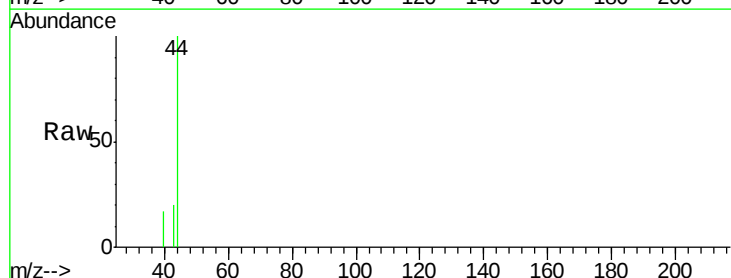
Instrument :
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SB-107(4-5)

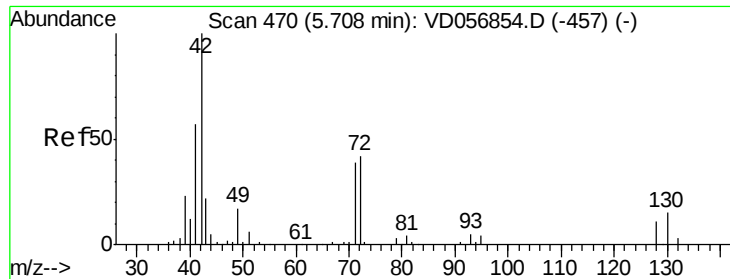
Tgt Ion: 84 Resp: 2170
Ion Ratio Lower Upper
84 100
49 115.2 124.5 186.7#
51 33.4 35.1 52.7#
86 62.1 49.9 74.9



#25
2-Butanone
Concen: 4.21 ug/l
RT: 5.33 min Scan# 432
Delta R.T. -0.01 min
Lab File: VD057006.D
Acq: 28 Mar 2018 17:13

Tgt Ion: 43 Resp: 493
Ion Ratio Lower Upper
43 100
72 0.0 16.6 24.8#

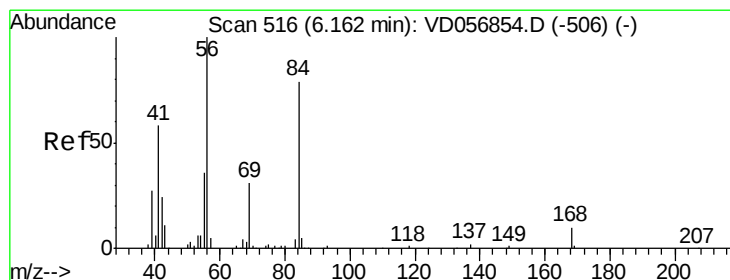
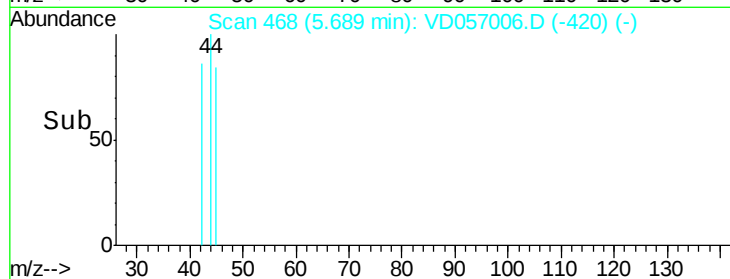
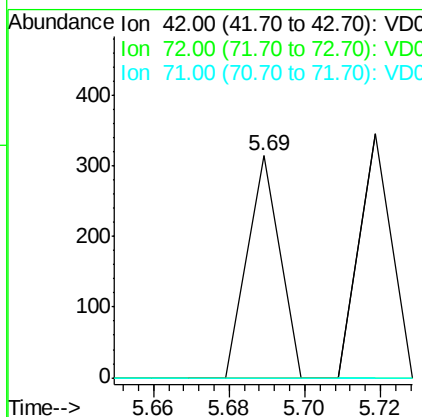
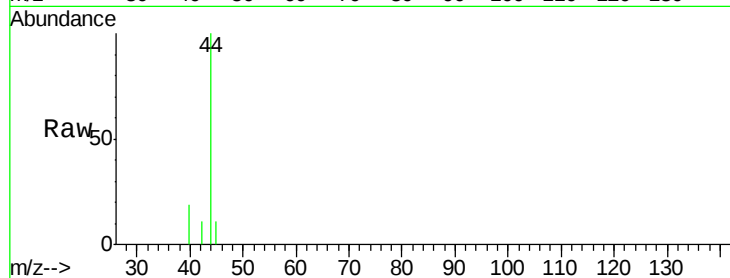




#29
Tetrahydrofuran
Concen: 2.83 ug/l
RT: 5.69 min Scan# 468
Delta R.T. -0.03 min
Lab File: VD057006.D
Acq: 28 Mar 2018 17:13

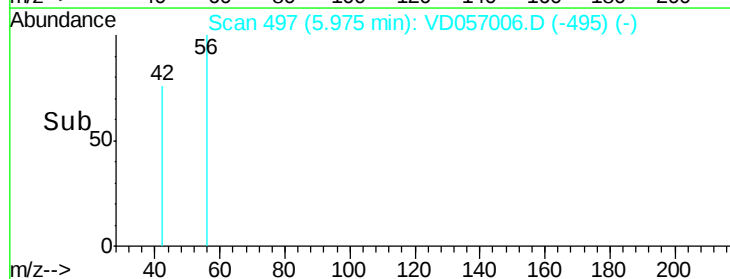
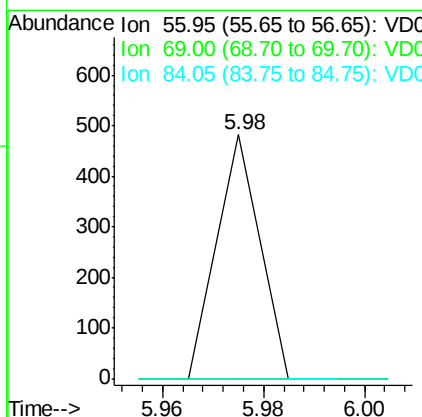
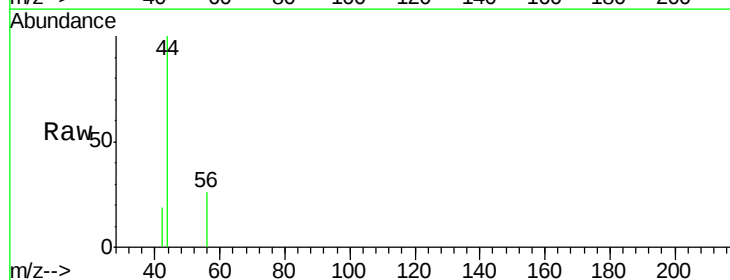
Instrument :
MSVOA_X
ClientSampleId :
SB-107(4-5)

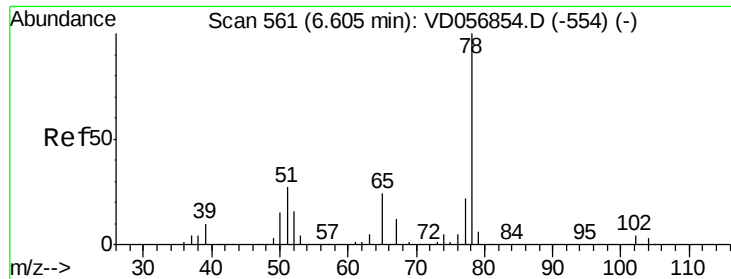
Tgt Ion: 42 Resp: 186
Ion Ratio Lower Upper
42 100
72 0.0 30.9 46.3#
71 0.0 30.4 45.6#



#31
Cyclohexane
Concen: Below Cal
RT: 5.98 min Scan# 497
Delta R.T. -0.18 min
Lab File: VD057006.D
Acq: 28 Mar 2018 17:13

Tgt Ion: 56 Resp: 285
Ion Ratio Lower Upper
56 100
69 0.0 23.1 34.7#
84 0.0 60.2 90.2#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.58 min Scan# 558

Delta R.T. -0.03 min

Lab File: VD057006.D

Acq: 28 Mar 2018 17:13

Instrument :

MSVOA_X

ClientSampled :

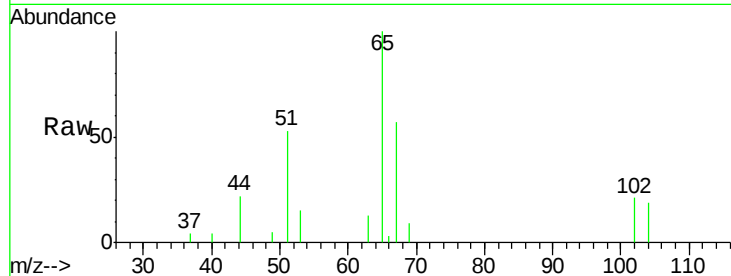
SB-107(4-5)

Tgt Ion: 65 Resp: 31848

Ion Ratio Lower Upper

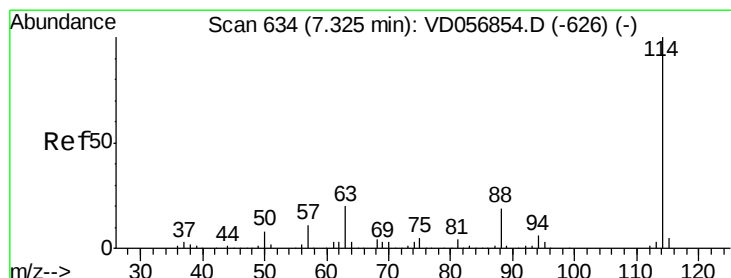
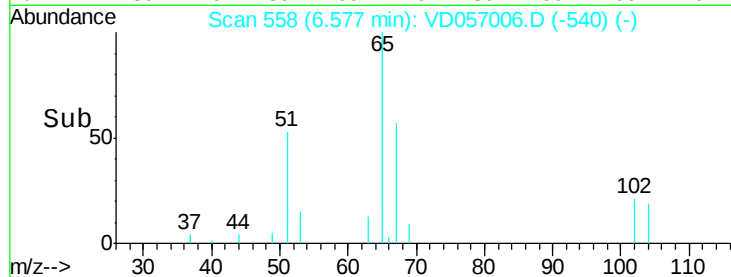
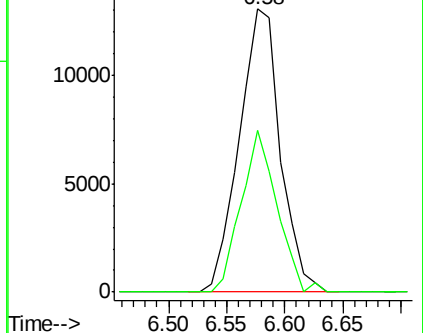
65 100

67 57.3 0.0 104.4



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: 7.30 min Scan# 631

Delta R.T. -0.03 min

Lab File: VD057006.D

Acq: 28 Mar 2018 17:13

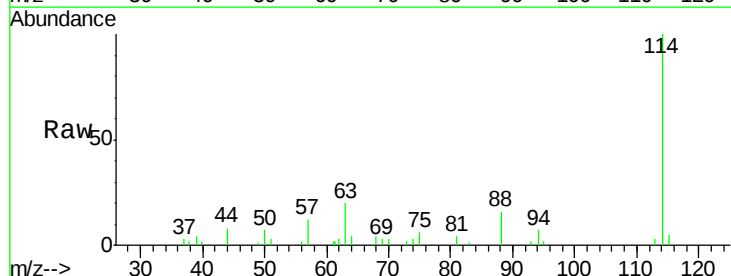
Tgt Ion: 114 Resp: 60265

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

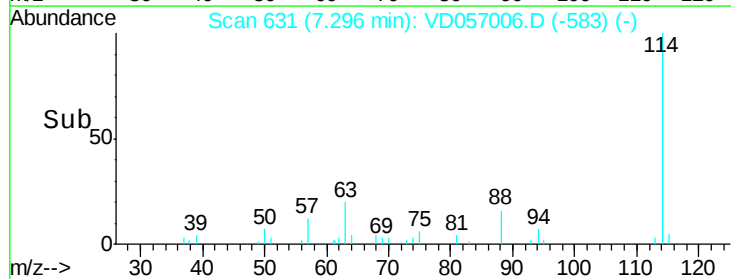
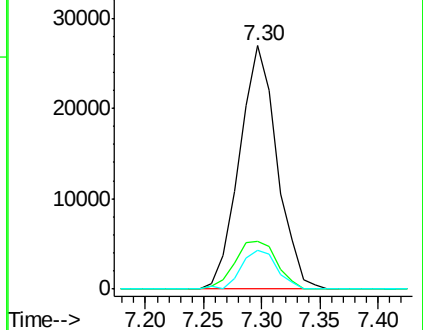
88 15.7 0.0 35.2

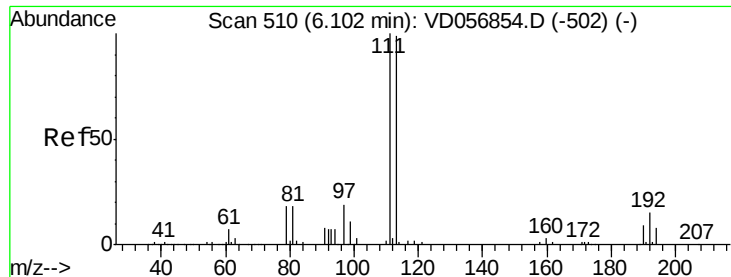


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.07 min Scan# 507

Delta R.T. -0.03 min

Lab File: VD057006.D

Acq: 28 Mar 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

SB-107(4-5)

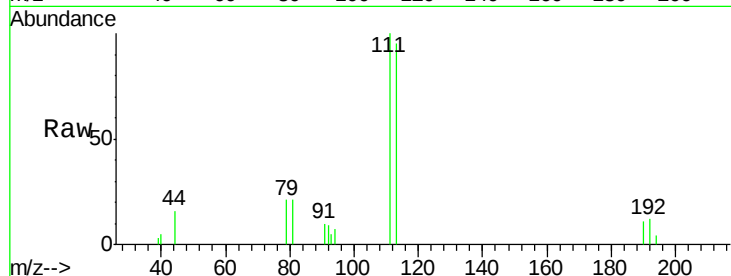
Tgt Ion:113 Resp: 27668

Ion Ratio Lower Upper

113 100

111 105.1 81.5 122.3

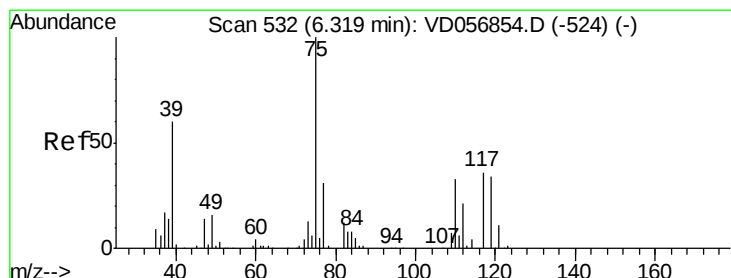
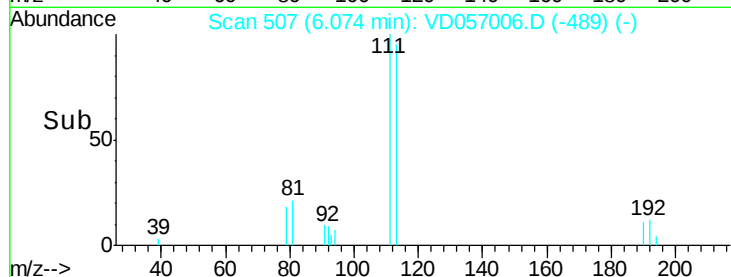
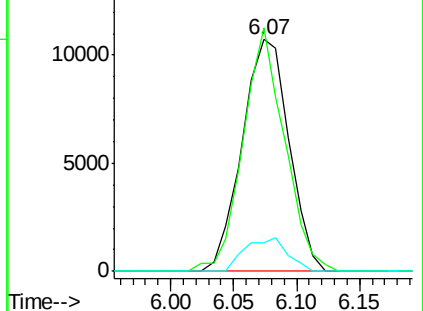
192 12.2 12.6 19.0#



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: 4.77 ug/l

RT: 6.17 min Scan# 517

Delta R.T. -0.14 min

Lab File: VD057006.D

Acq: 28 Mar 2018 17:13

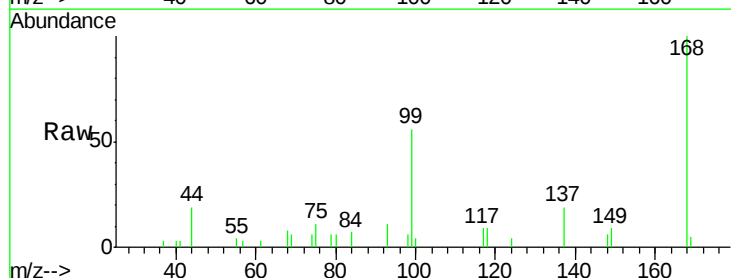
Tgt Ion: 75 Resp: 3142

Ion Ratio Lower Upper

75 100

110 0.0 15.9 47.6#

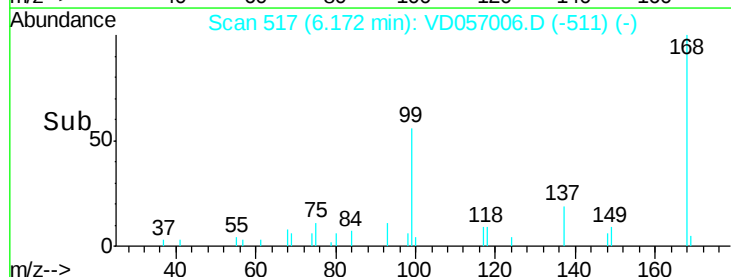
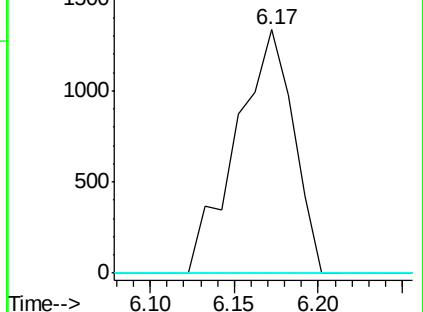
77 0.0 23.8 35.6#

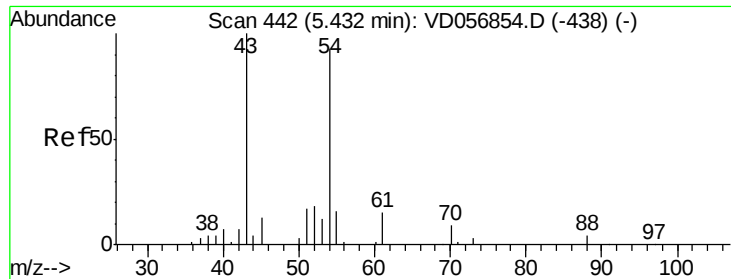


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

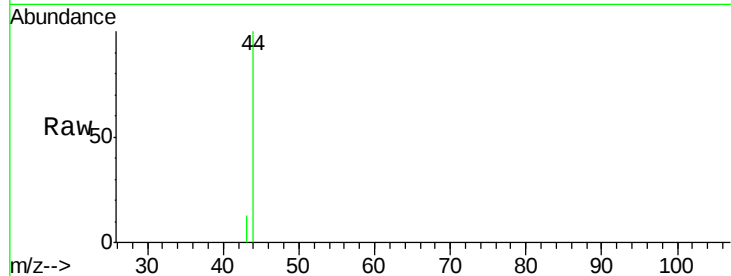




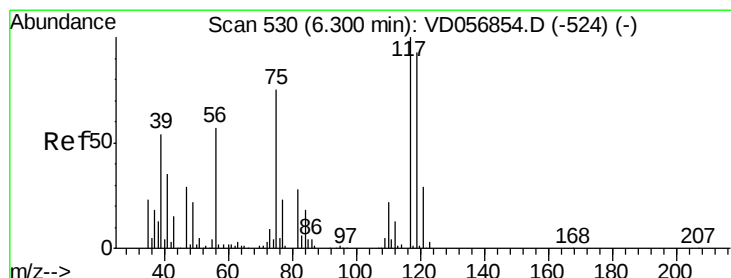
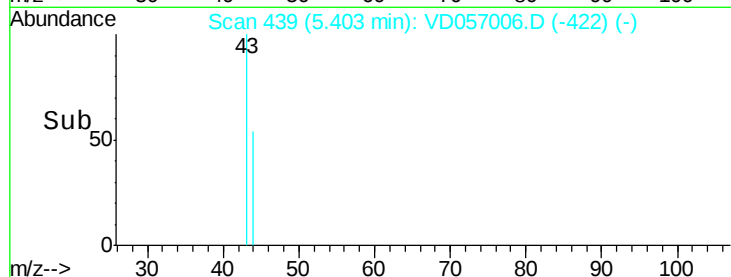
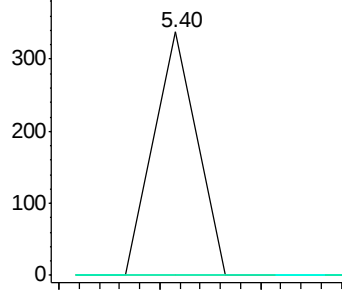
#37
Ethyl Acetate
Concen: 2.11 ug/l
RT: 5.40 min Scan# 439
Delta R.T. -0.03 min
Lab File: VD057006.D
Acq: 28 Mar 2018 17:13

Instrument :
MSVOA_X
ClientSampleId :
SB-107(4-5)

Tgt Ion: 43 Resp: 200
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.9 11.9#

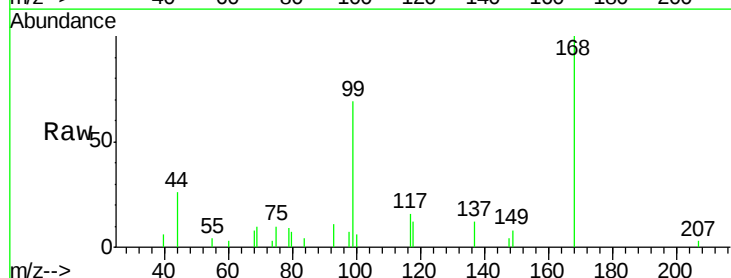


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

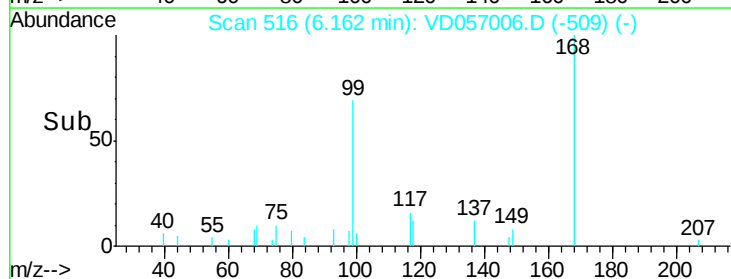
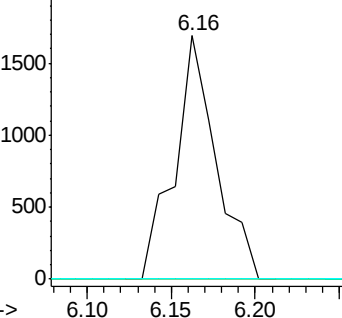


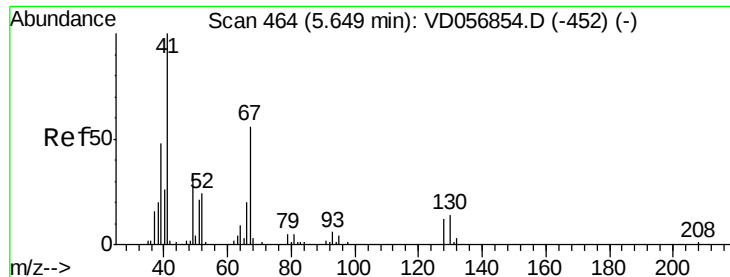
#38
Carbon Tetrachloride
Concen: 5.10 ug/l
RT: 6.16 min Scan# 516
Delta R.T. -0.13 min
Lab File: VD057006.D
Acq: 28 Mar 2018 17:13

Tgt Ion: 117 Resp: 2886
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 0.0 24.6 37.0#



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#41

Methacrylonitrile

Concen: 1.21 ug/l

RT: 5.66 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD057006.D

Acq: 28 Mar 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

SB-107(4-5)

Tgt Ion: 41 Resp: 213

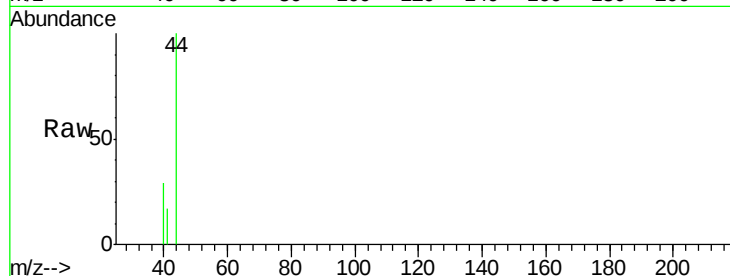
Ion Ratio Lower Upper

41 100

39 0.0 43.0 64.4#

67 0.0 48.3 72.5#

52 0.0 17.4 26.2#

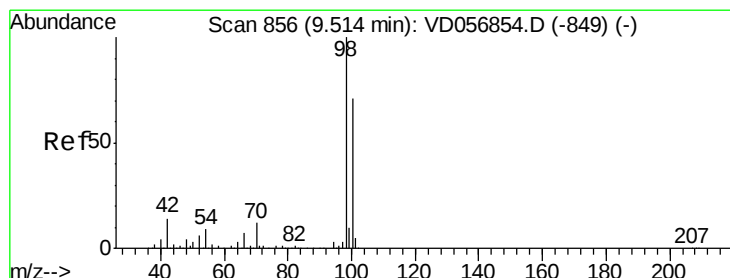
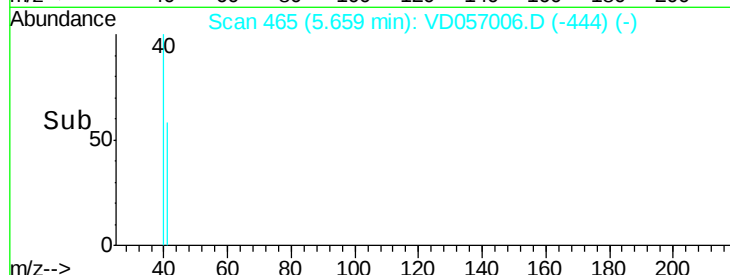
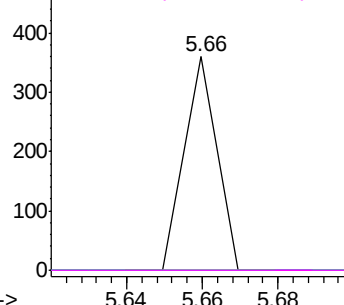


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.49 min Scan# 853

Delta R.T. -0.03 min

Lab File: VD057006.D

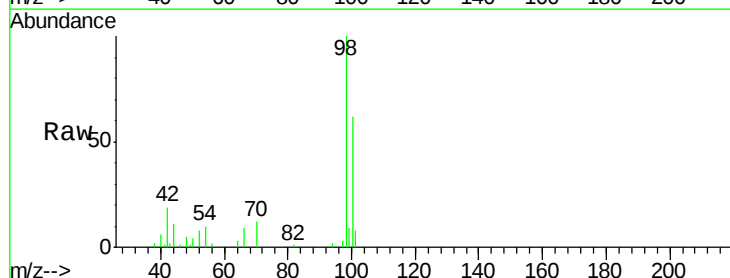
Acq: 28 Mar 2018 17:13

Tgt Ion: 98 Resp: 59063

Ion Ratio Lower Upper

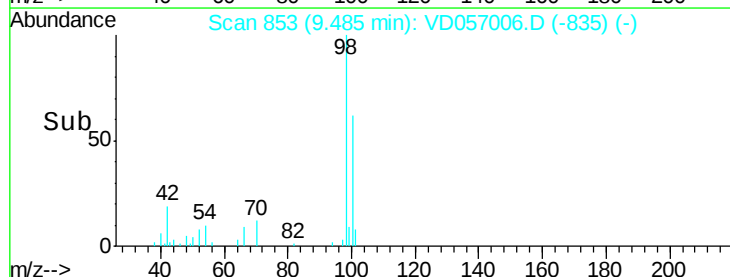
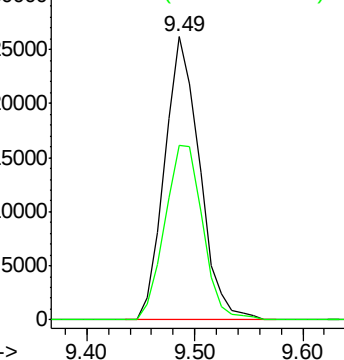
98 100

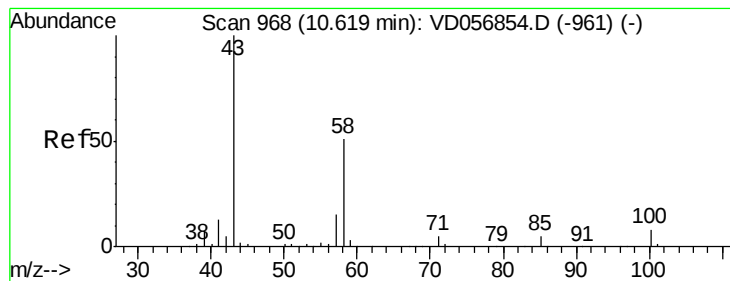
100 61.6 56.2 84.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#59

2-Hexanone

Concen: 1.04 ug/l

RT: 10.57 min Scan# 963

Delta R.T. -0.05 min

Lab File: VD057006.D

Acq: 28 Mar 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

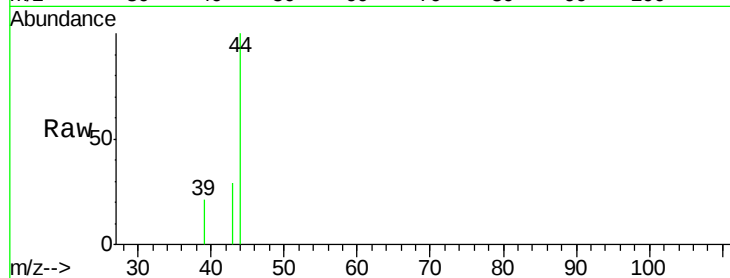
SB-107(4-5)

Tgt Ion: 43 Resp: 251

Ion Ratio Lower Upper

43 100

58 0.0 25.1 75.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.57

400

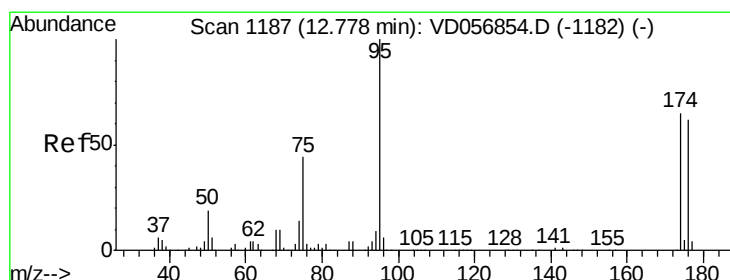
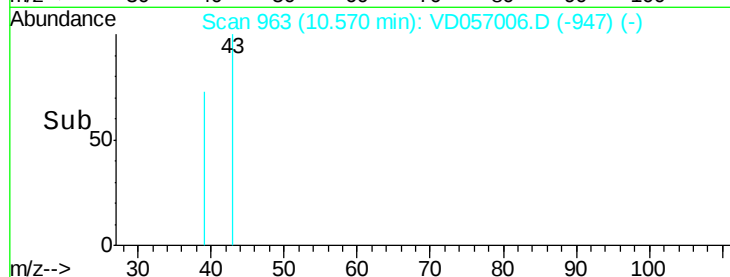
300

200

100

0

Time--> 10.54 10.56 10.58 10.60



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.77 min Scan# 1186

Delta R.T. -0.02 min

Lab File: VD057006.D

Acq: 28 Mar 2018 17:13

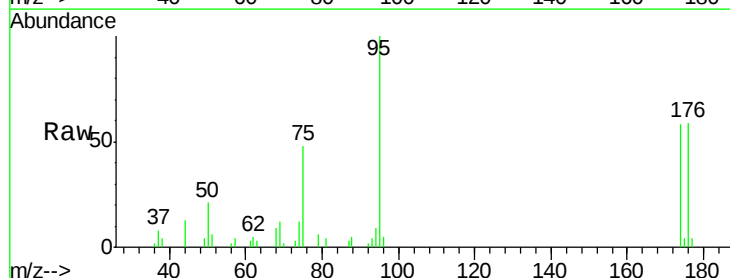
Tgt Ion: 95 Resp: 28300

Ion Ratio Lower Upper

95 100

174 58.1 0.0 143.6

176 59.4 0.0 141.2



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

20000

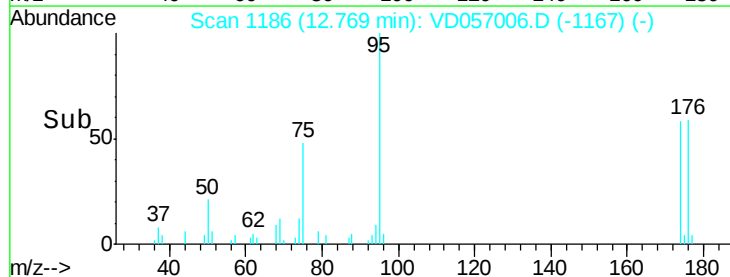
15000

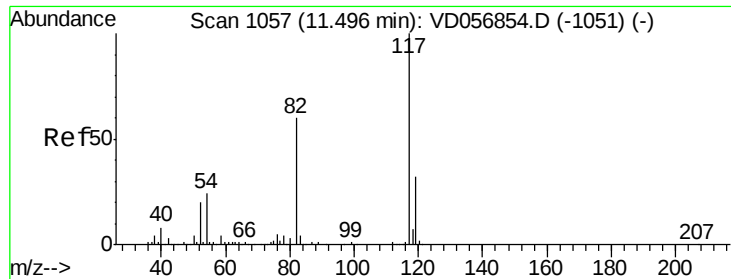
10000

5000

0

Time--> 12.70 12.80

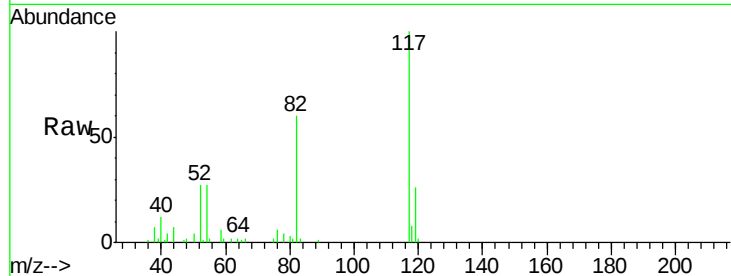




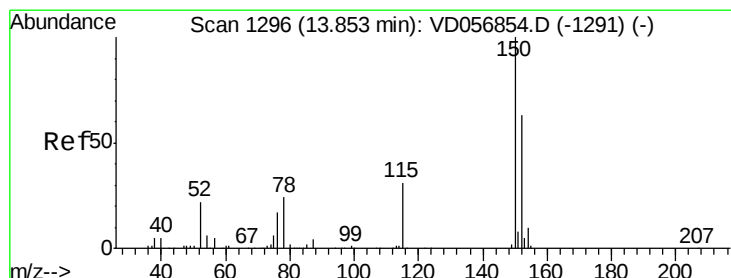
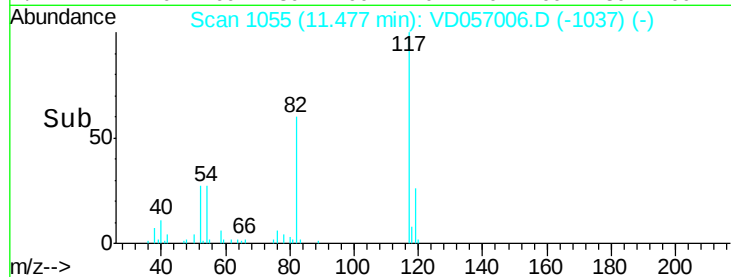
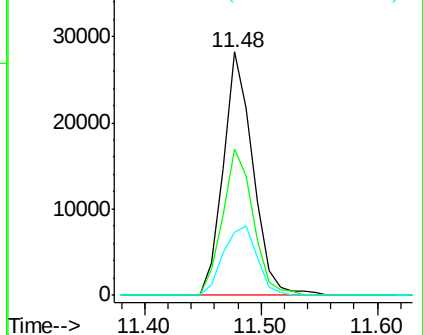
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.48 min Scan# 1055
Delta R.T. -0.03 min
Lab File: VD057006.D
Acq: 28 Mar 2018 17:13

Instrument :
MSVOA_X
ClientSampleId :
SB-107(4-5)

Tgt Ion:117 Resp: 49775
Ion Ratio Lower Upper
117 100
82 60.3 46.2 69.4
119 26.1 25.8 38.6

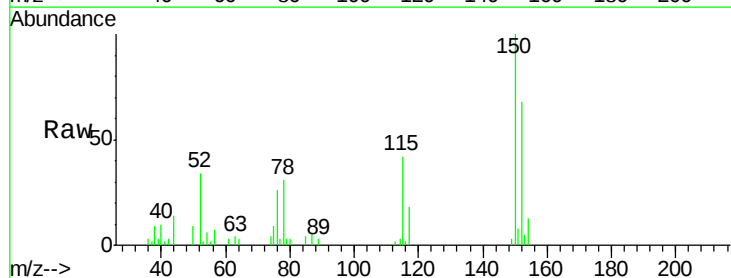


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

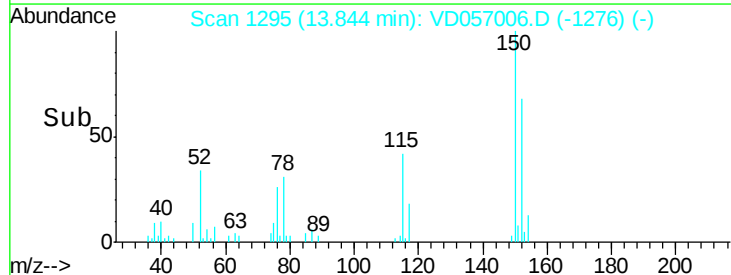
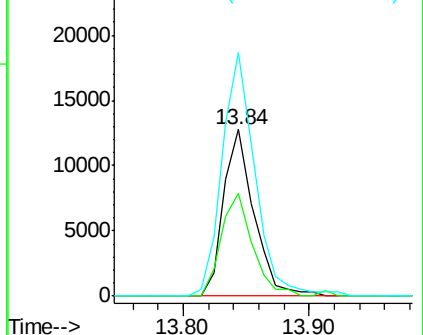


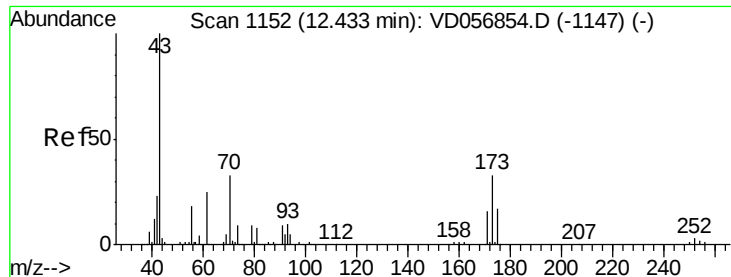
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.84 min Scan# 1295
Delta R.T. -0.02 min
Lab File: VD057006.D
Acq: 28 Mar 2018 17:13

Tgt Ion:152 Resp: 21414
Ion Ratio Lower Upper
152 100
115 62.1 31.2 93.6
150 146.2 0.0 334.8



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

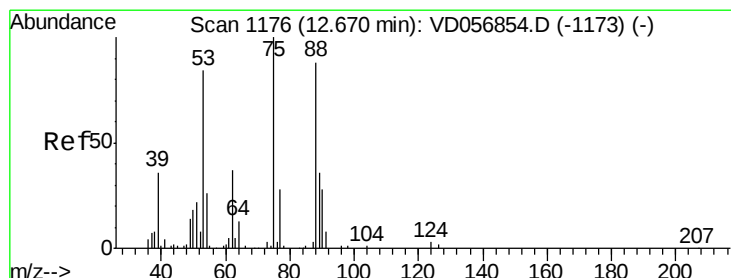
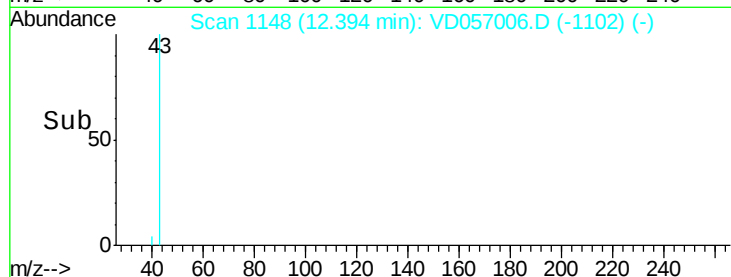
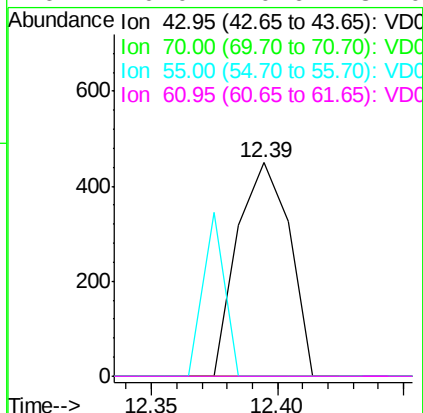
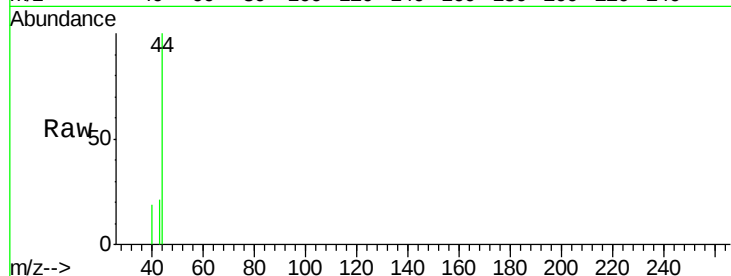




#74
N-ethyl acetate
Concen: 1.05 ug/l
RT: 12.39 min Scan# 1148
Delta R.T. -0.05 min
Lab File: VD057006.D
Acq: 28 Mar 2018 17:13

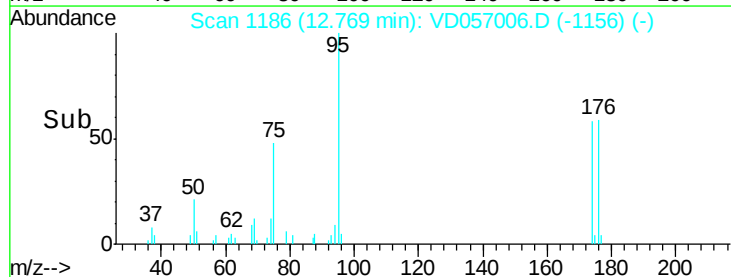
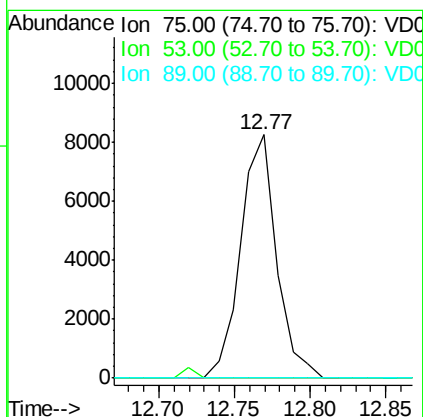
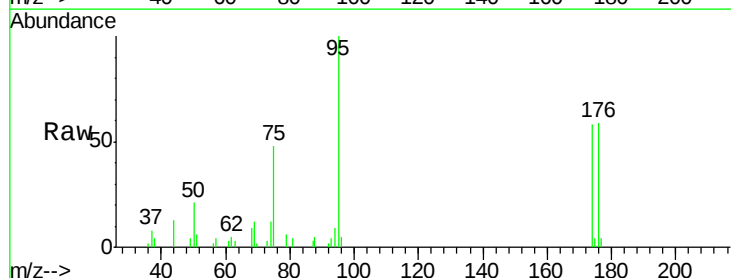
Instrument :
MSVOA_X
ClientSampled :
SB-107(4-5)

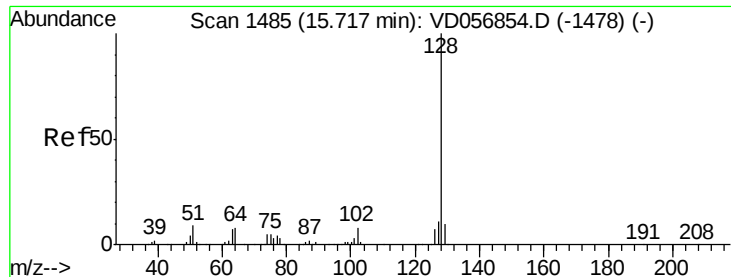
Tgt Ion: 43 Resp: 647
Ion Ratio Lower Upper
43 100
70 0.0 27.4 41.2#
55 0.0 15.2 22.8#
61 0.0 20.6 31.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.36 ug/l
RT: 12.77 min Scan# 1186
Delta R.T. 0.09 min
Lab File: VD057006.D
Acq: 28 Mar 2018 17:13

Tgt Ion: 75 Resp: 13639
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 31.6 47.4#





#95

Naphthalene

Concen: 1.69 ug/l

RT: 15.71 min Scan# 1484

Delta R.T. -0.01 min

Lab File: VD057006.D

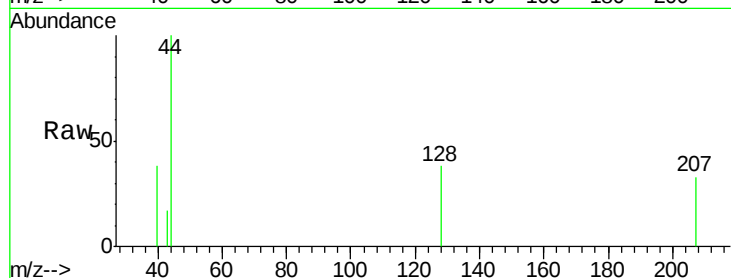
Acq: 28 Mar 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

SB-107(4-5)



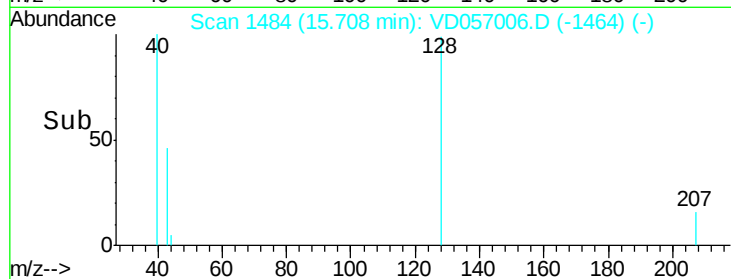
Tgt Ion:128 Resp: 1276

Ion Ratio Lower Upper

128 100

127 0.0 9.3 13.9#

129 0.0 8.7 13.1#



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

