

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD032818\
 Data File : VD057004.D
 Acq On : 28 Mar 2018 16:17
 Operator : JC/SY
 Sample : J2080-05
 Misc : 4.58g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TEC-RCA-SAMPLE2-VOC2

Quant Time: Mar 29 05:52:33 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	380963	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.29	114	720561	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.48	117	502800	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.84	152	134935	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.58	65	278887	65.62	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	131.24%	
35) Dibromofluoromethane	6.07	113	300186	58.67	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	117.34%	
50) Toluene-d8	9.48	98	762503	48.44	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.88%	
62) 4-Bromofluorobenzene	12.77	95	252764	36.72	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	73.44%	

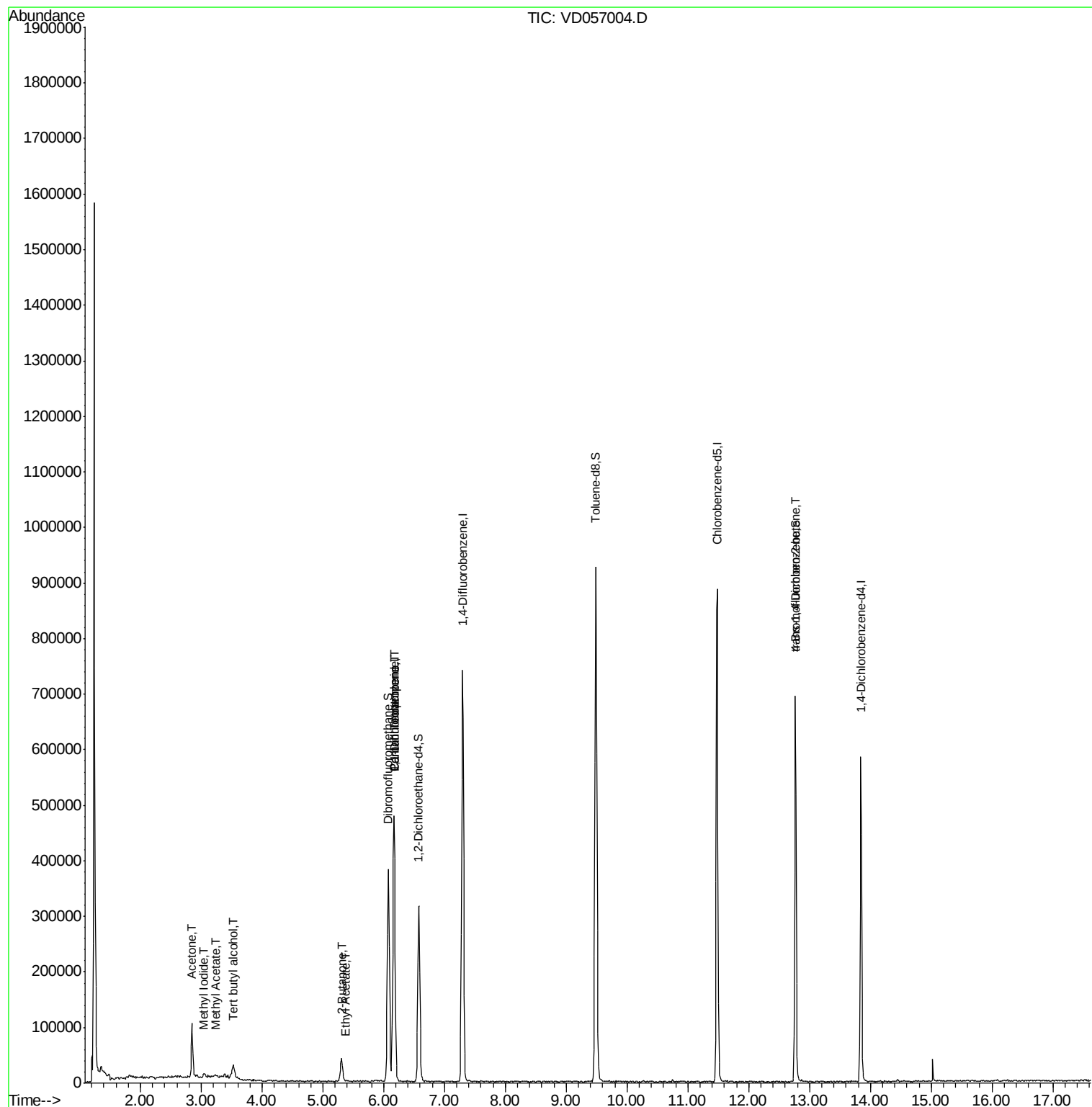
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.03	142	197	2.86	ug/l #	32
11) Tert butyl alcohol	3.53	59	20588	72.89	ug/l #	73
13) Acrolein	2.69	56	224	Below Cal	#	10
16) Acetone	2.85	43	139537	214.62	ug/l	99
18) Methyl Acetate	3.23	43	9336	6.65	ug/l #	85
20) Methylene Chloride	3.39	84	1873	Below Cal	#	77
25) 2-Butanone	5.31	43	4253	2.83	ug/l #	56
31) Cyclohexane	6.16	56	10184	Below Cal	#	1
36) 1,1-Dichloropropene	6.17	75	37666	4.78	ug/l #	49
37) Ethyl Acetate	5.39	43	884	1.76	ug/l #	70
38) Carbon Tetrachloride	6.17	117	40206	5.94	ug/l #	14
81) trans-1,4-Dichloro-2-buten	12.77	75	118201	160.04	ug/l #	18

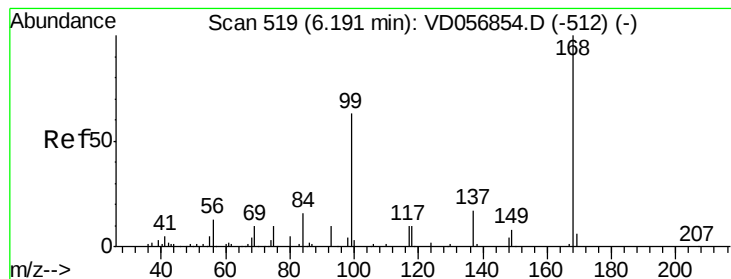
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X

ClientSampleId :
TEC-RCA-SAMPLE2-VOC2

Quant Time: Mar 29 05:52:33 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.17 min Scan# 516

Delta R.T. -0.03 min

Lab File: VD057004.D

Acq: 28 Mar 2018 16:17

Instrument :

MSVOA_X

ClientSampleId :

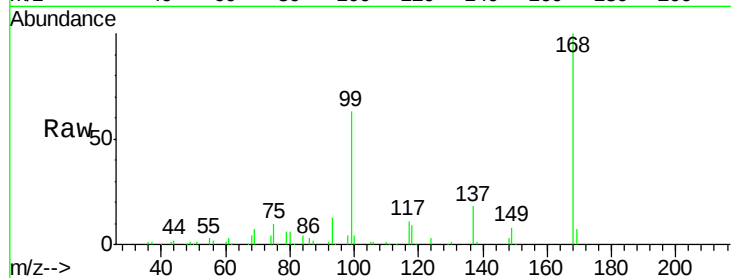
TEC-RCA-SAMPLE2-VOC2

Tgt Ion:168 Resp: 380963

Ion Ratio Lower Upper

168 100

99 63.0 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.17

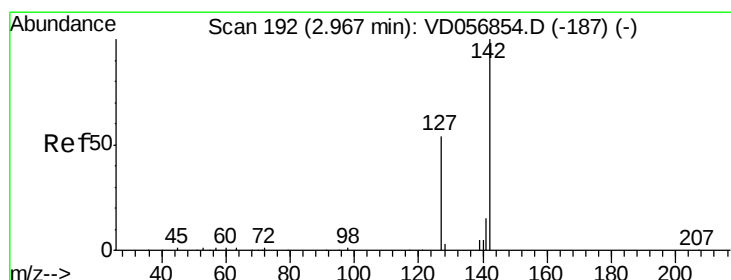
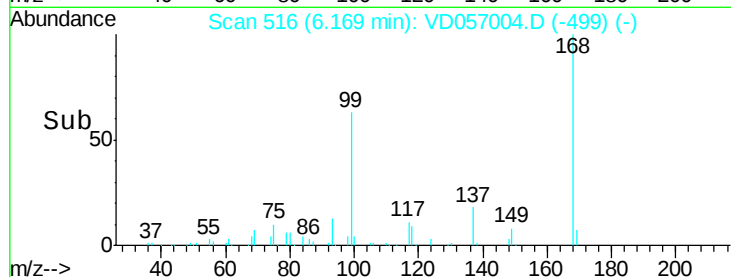
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.86 ug/l

RT: 3.03 min Scan# 198

Delta R.T. 0.06 min

Lab File: VD057004.D

Acq: 28 Mar 2018 16:17

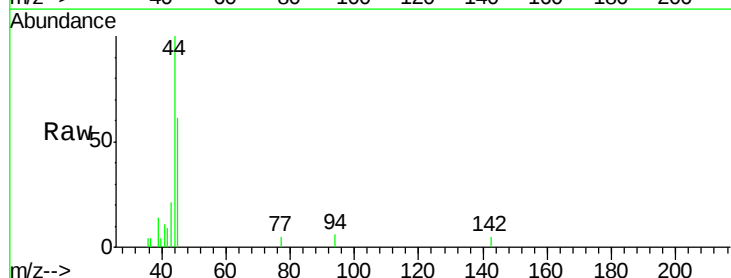
Tgt Ion:142 Resp: 197

Ion Ratio Lower Upper

142 100

127 0.0 44.3 66.5#

141 0.0 11.8 17.6#



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

3.03

400

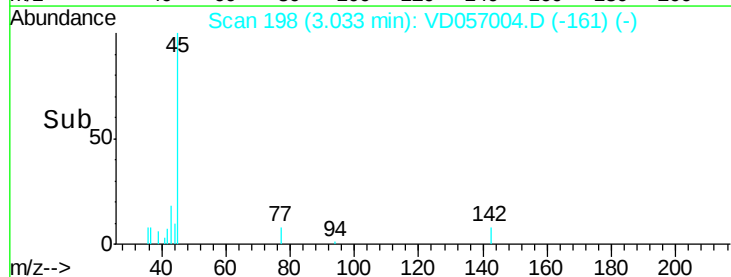
300

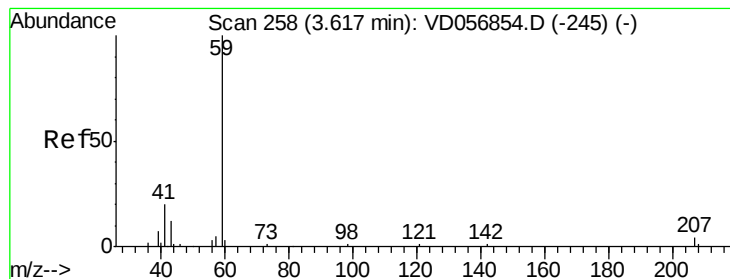
200

100

0

Time-->



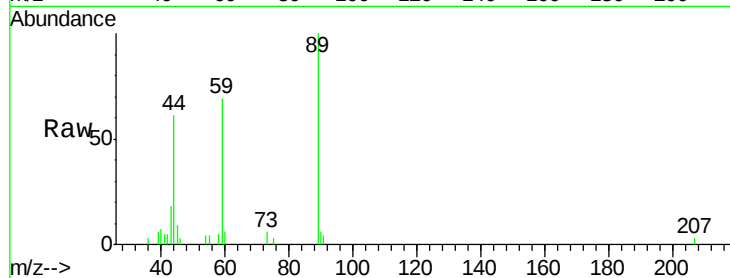


#11

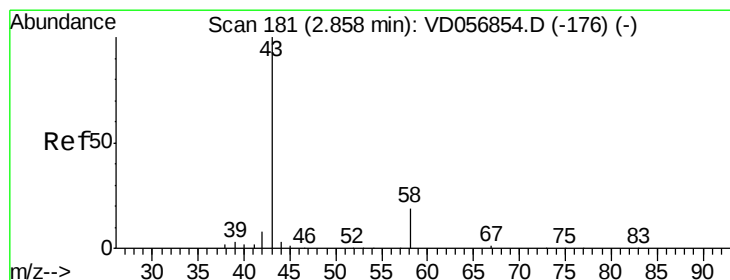
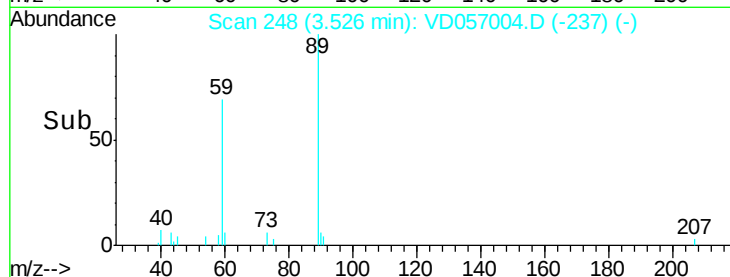
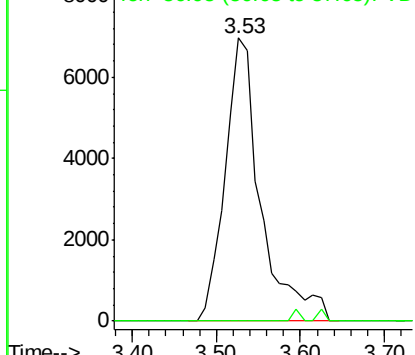
Tert butyl alcohol
 Concen: 72.89 ug/l
 RT: 3.53 min Scan# 248
 Delta R.T. -0.09 min
 Lab File: VD057004.D
 Acq: 28 Mar 2018 16:17

Instrument :
 MSVOA_X
 ClientSampleId :
 TEC-RCA-SAMPLE2-VOC2

Tgt Ion: 59 Resp: 20588
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#



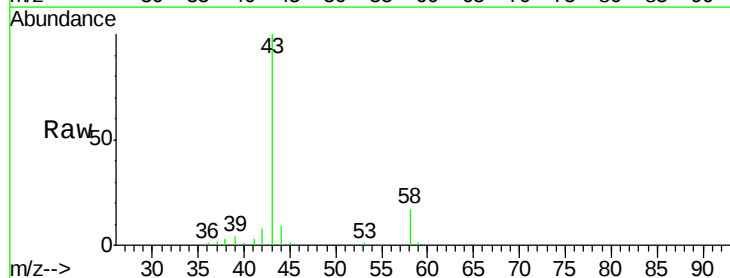
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



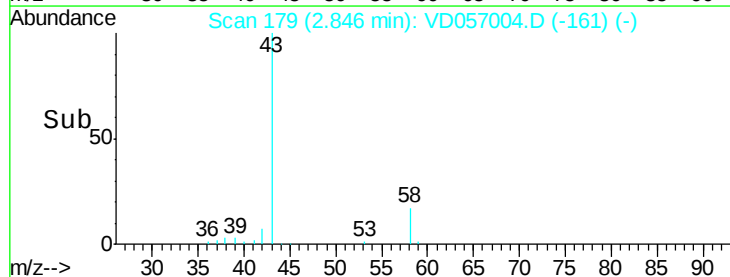
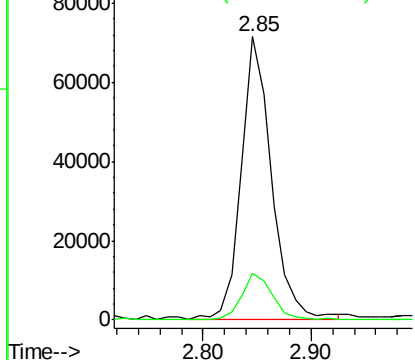
#16

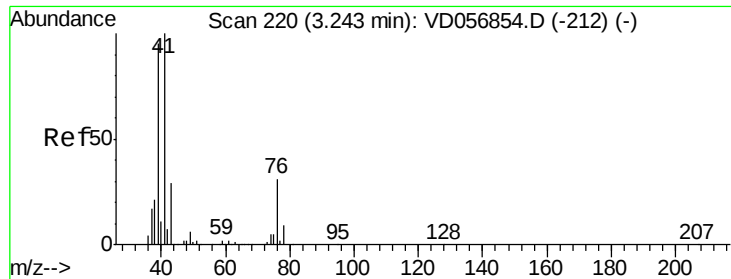
Acetone
 Concen: 214.62 ug/l
 RT: 2.85 min Scan# 179
 Delta R.T. -0.02 min
 Lab File: VD057004.D
 Acq: 28 Mar 2018 16:17

Tgt Ion: 43 Resp: 139537
 Ion Ratio Lower Upper
 43 100
 58 16.6 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

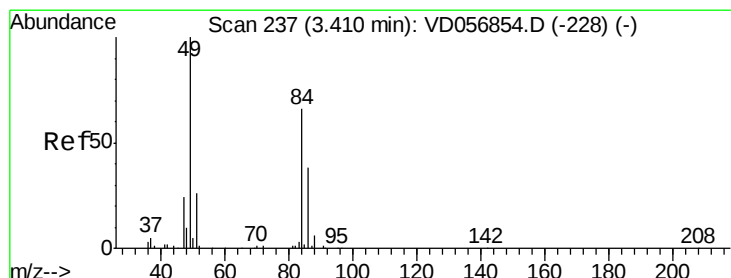
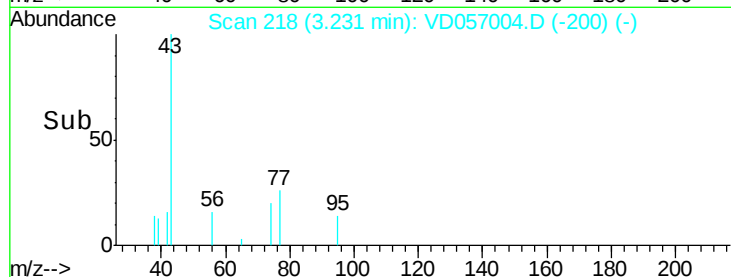
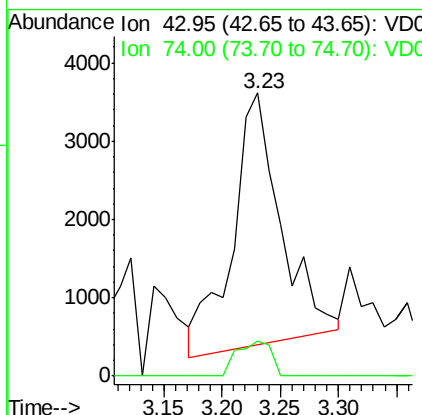
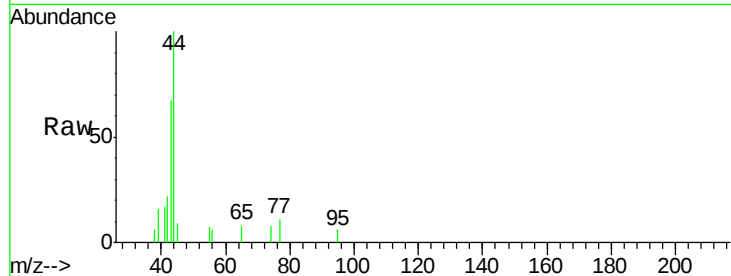




#18
Methyl Acetate
Concen: 6.65 ug/l
RT: 3.23 min Scan# 218
Delta R.T. -0.02 min
Lab File: VD057004.D
Acq: 28 Mar 2018 16:17

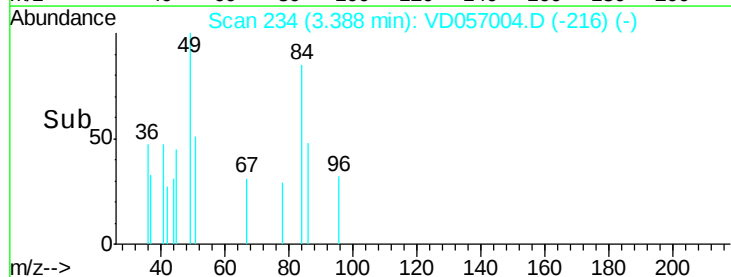
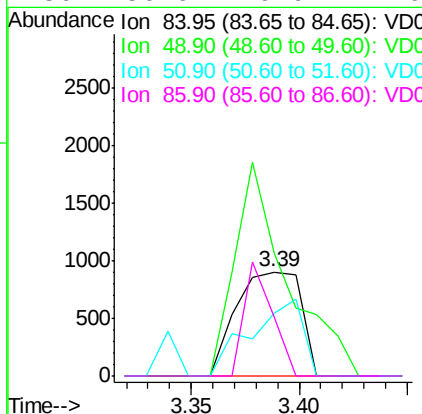
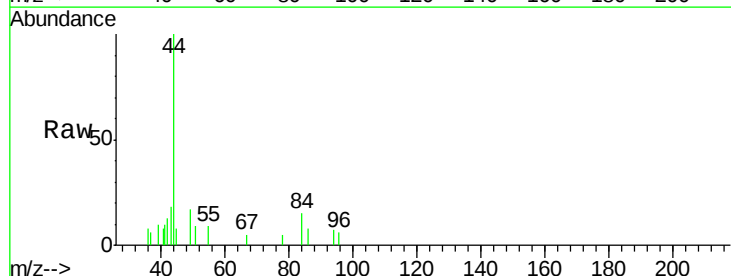
Instrument :
MSVOA_X
ClientSampleId :
TEC-RCA-SAMPLE2-VOC2

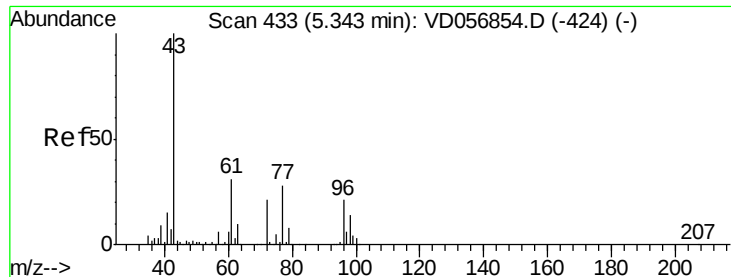
Tgt Ion: 43 Resp: 9336
Ion Ratio Lower Upper
43 100
74 12.6 15.6 23.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.39 min Scan# 234
Delta R.T. -0.02 min
Lab File: VD057004.D
Acq: 28 Mar 2018 16:17

Tgt Ion: 84 Resp: 1873
Ion Ratio Lower Upper
84 100
49 118.2 124.5 186.7#
51 60.3 35.1 52.7#
86 56.6 49.9 74.9





#25

2-Butanone

Concen: 2.83 ug/l

RT: 5.31 min Scan# 429

Delta R.T. -0.03 min

Lab File: VD057004.D

Acq: 28 Mar 2018 16:17

Instrument :

MSVOA_X

ClientSampleId :

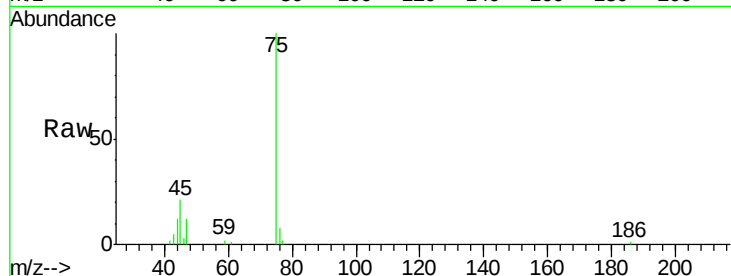
TEC-RCA-SAMPLE2-VOC2

Tgt Ion: 43 Resp: 4253

Ion Ratio Lower Upper

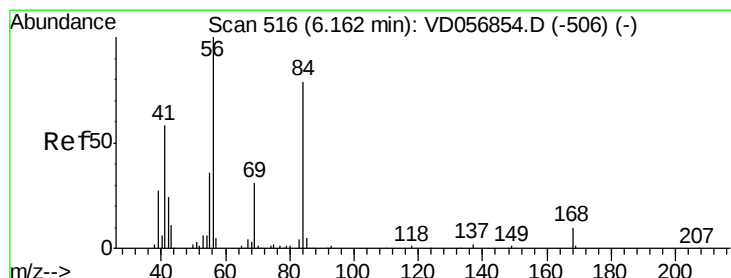
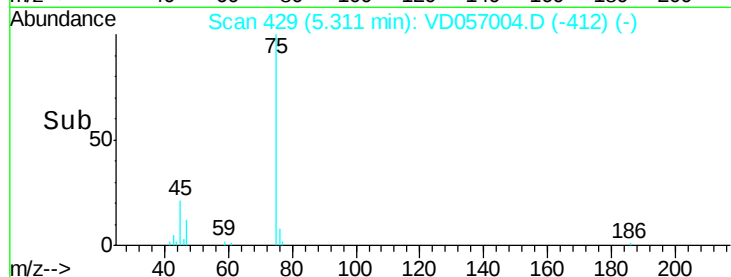
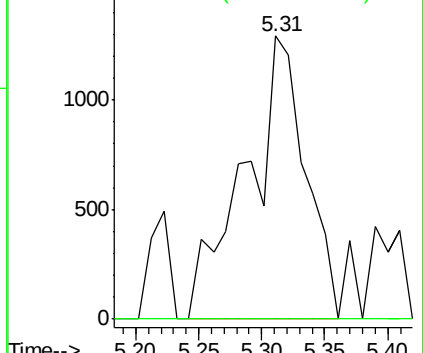
43 100

72 0.0 16.6 24.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 6.16 min Scan# 515

Delta R.T. 0.00 min

Lab File: VD057004.D

Acq: 28 Mar 2018 16:17

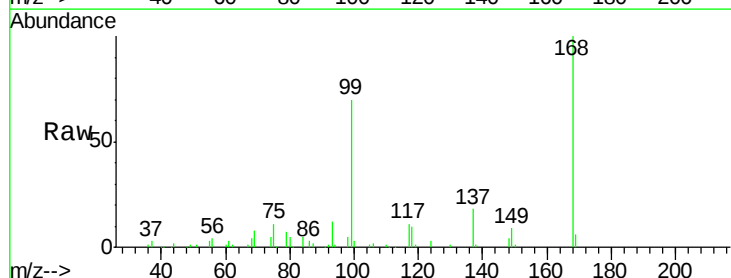
Tgt Ion: 56 Resp: 10184

Ion Ratio Lower Upper

56 100

69 222.6 23.1 34.7#

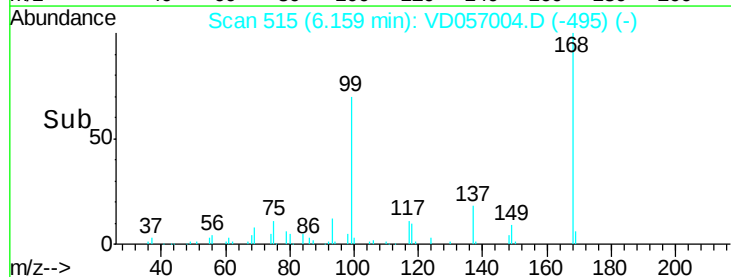
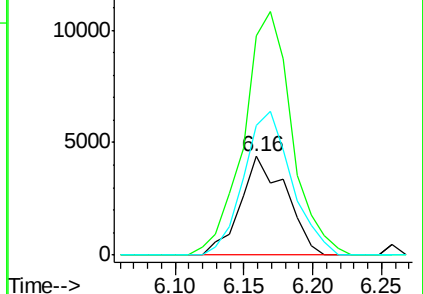
84 131.6 60.2 90.2#

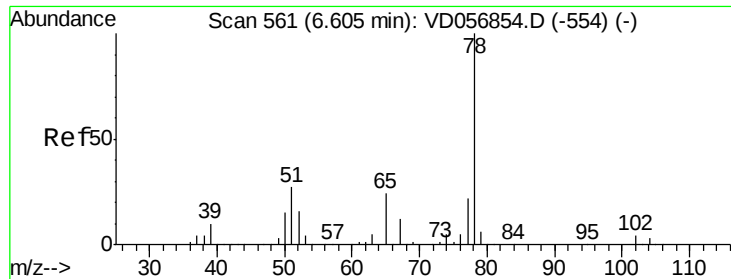


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

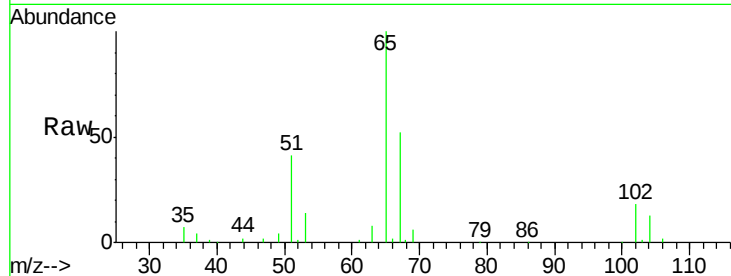




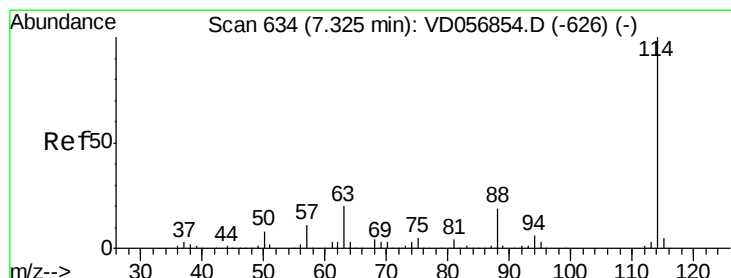
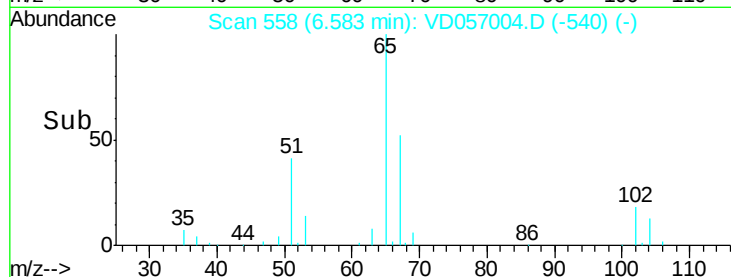
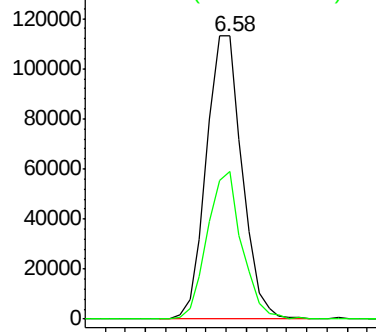
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.58 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD057004.D
 Acq: 28 Mar 2018 16:17

Instrument :
 MSVOA_X
 ClientSampleId :
 TEC-RCA-SAMPLE2-VOC2

Tgt Ion: 65 Resp: 278887
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.4

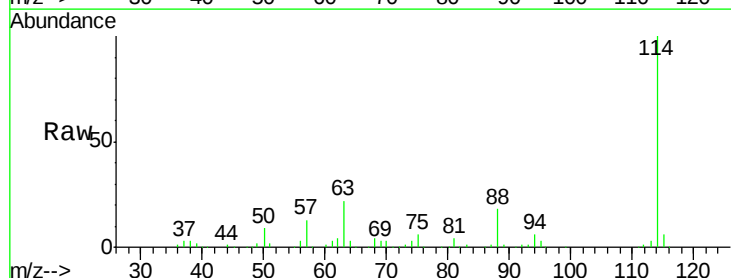


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

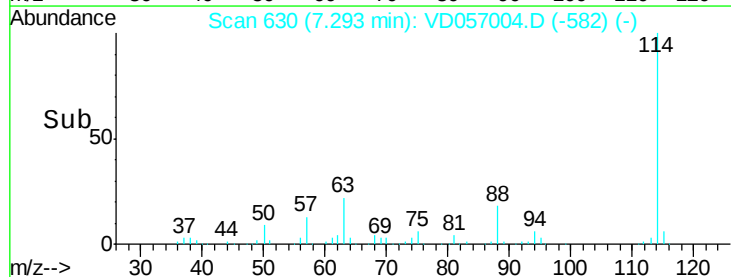
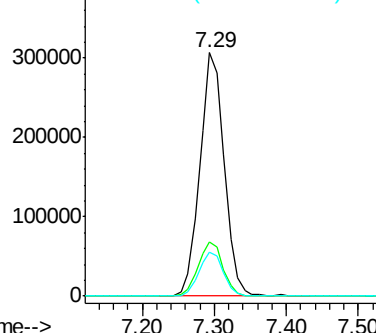


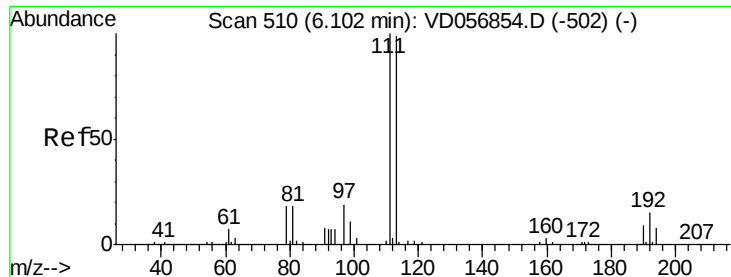
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.29 min Scan# 630
 Delta R.T. -0.03 min
 Lab File: VD057004.D
 Acq: 28 Mar 2018 16:17

Tgt Ion: 114 Resp: 720561
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 42.6
 88 17.9 0.0 35.2



Abundance Ion 114.00 (113.70 to 114.70): VDC
 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# 506

Delta R.T. -0.03 min

Lab File: VD057004.D

Acq: 28 Mar 2018 16:17

Instrument :

MSVOA_X

ClientSampleId :

TEC-RCA-SAMPLE2-VOC2

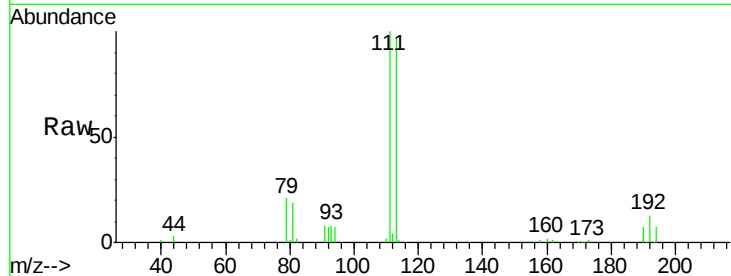
Tgt Ion:113 Resp: 300186

Ion Ratio Lower Upper

113 100

111 102.8 81.5 122.3

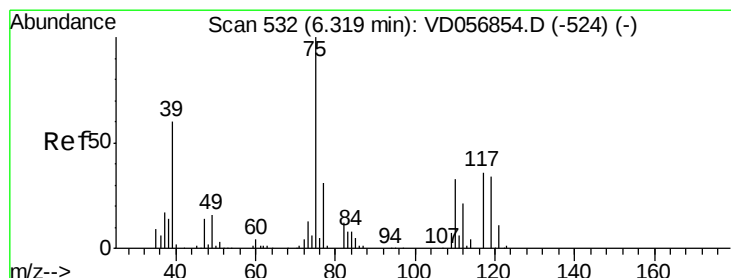
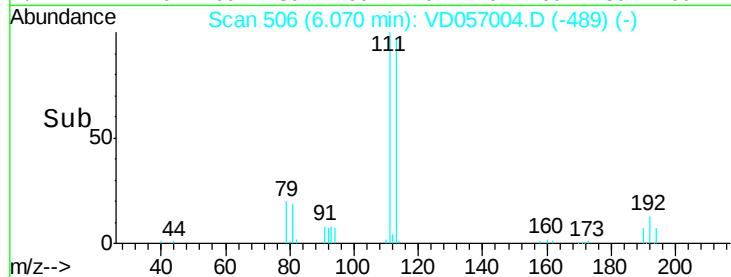
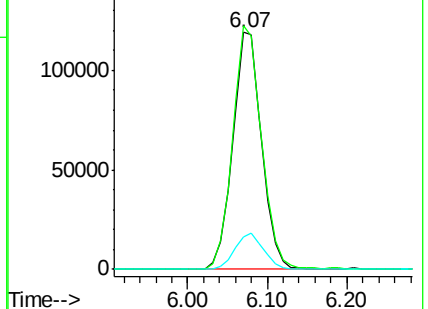
192 13.7 12.6 19.0



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: 4.78 ug/l

RT: 6.17 min Scan# 516

Delta R.T. -0.15 min

Lab File: VD057004.D

Acq: 28 Mar 2018 16:17

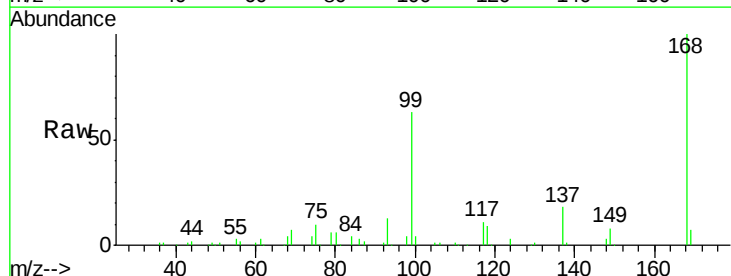
Tgt Ion: 75 Resp: 37666

Ion Ratio Lower Upper

75 100

110 5.6 15.9 47.6#

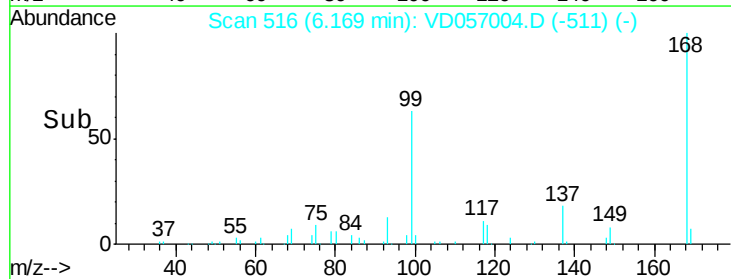
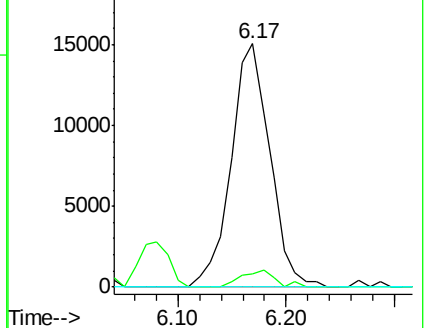
77 0.0 23.8 35.6#

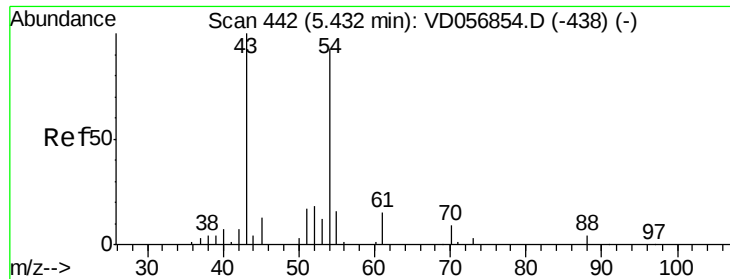


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 1.76 ug/l

RT: 5.39 min Scan# 437

Delta R.T. -0.05 min

Lab File: VD057004.D

Acq: 28 Mar 2018 16:17

Instrument :

MSVOA_X

ClientSampleId :

TEC-RCA-SAMPLE2-VOC2

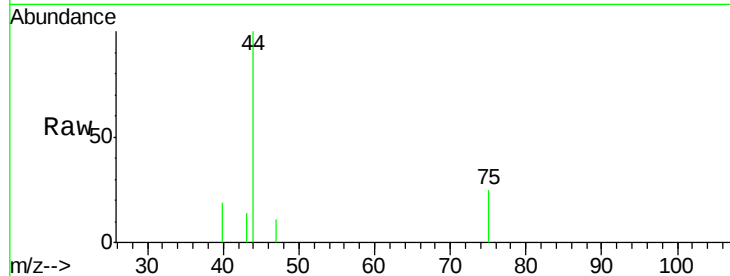
Tgt Ion: 43 Resp: 884

Ion Ratio Lower Upper

43 100

61 0.0 10.0 15.0#

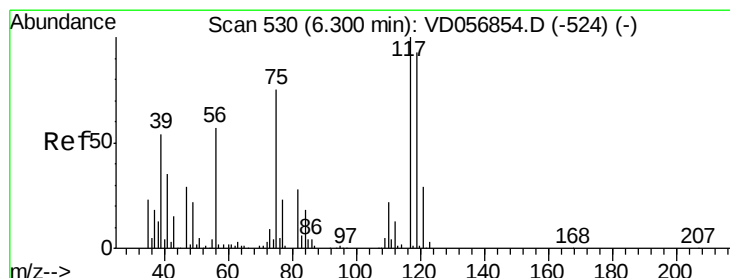
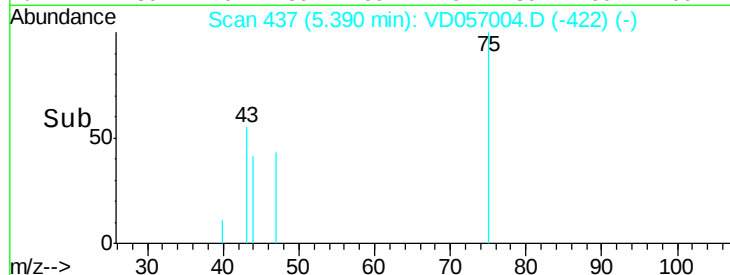
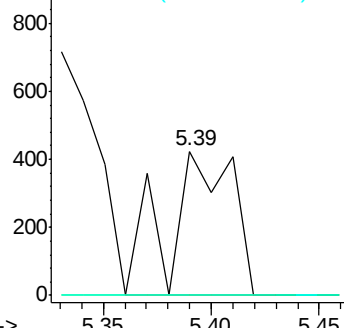
70 0.0 7.9 11.9#



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: 5.94 ug/l

RT: 6.17 min Scan# 516

Delta R.T. -0.13 min

Lab File: VD057004.D

Acq: 28 Mar 2018 16:17

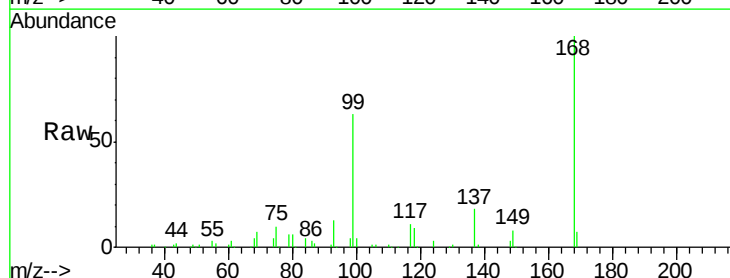
Tgt Ion: 117 Resp: 40206

Ion Ratio Lower Upper

117 100

119 3.1 78.2 117.2#

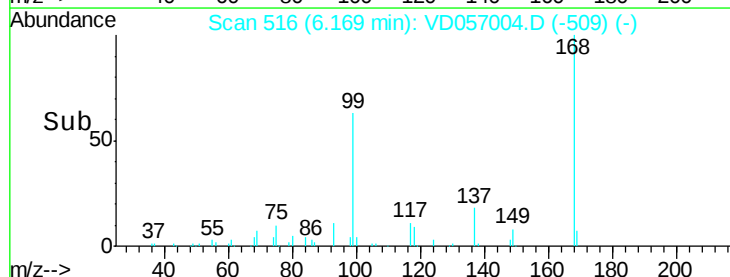
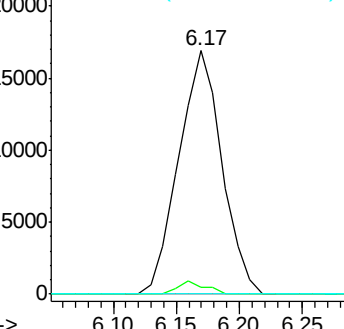
121 0.0 24.6 37.0#

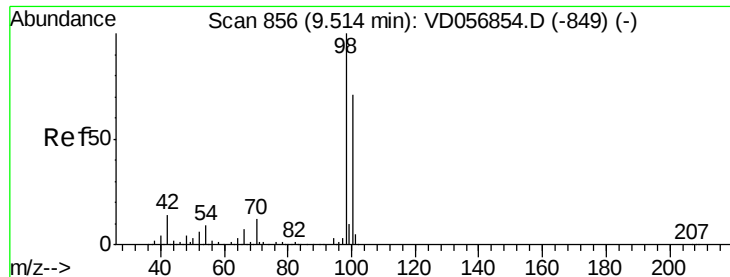


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.48 min Scan# 852

Delta R.T. -0.03 min

Lab File: VD057004.D

Acq: 28 Mar 2018 16:17

Instrument :

MSVOA_X

ClientSampleId :

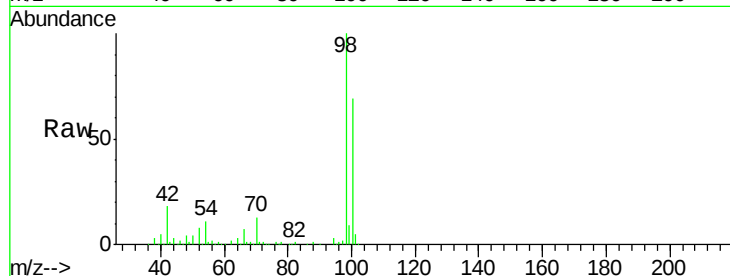
TEC-RCA-SAMPLE2-VOC2

Tgt Ion: 98 Resp: 762503

Ion Ratio Lower Upper

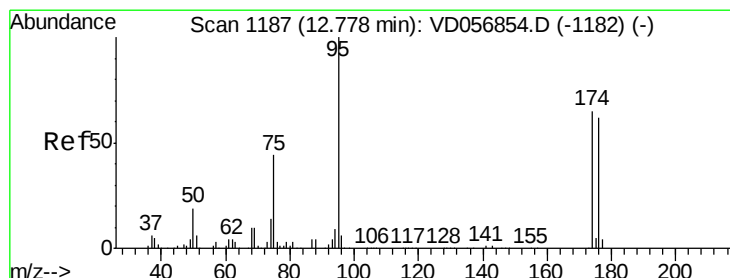
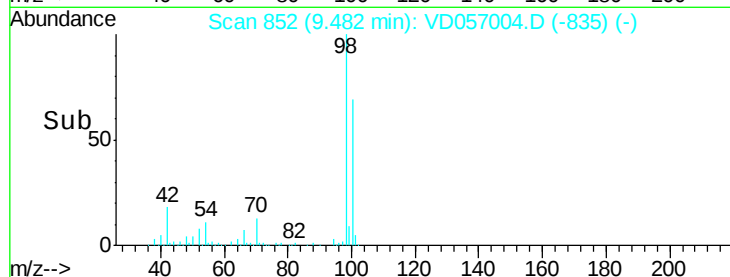
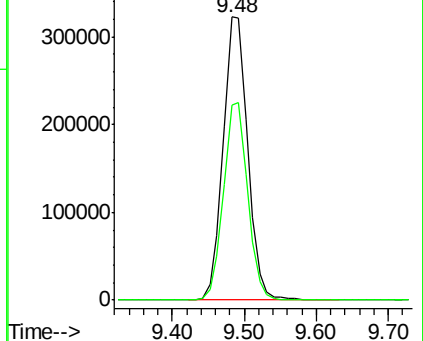
98 100

100 69.1 56.2 84.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.77 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VD057004.D

Acq: 28 Mar 2018 16:17

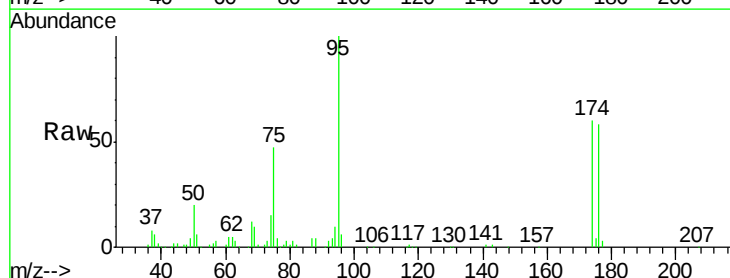
Tgt Ion: 95 Resp: 252764

Ion Ratio Lower Upper

95 100

174 60.0 0.0 143.6

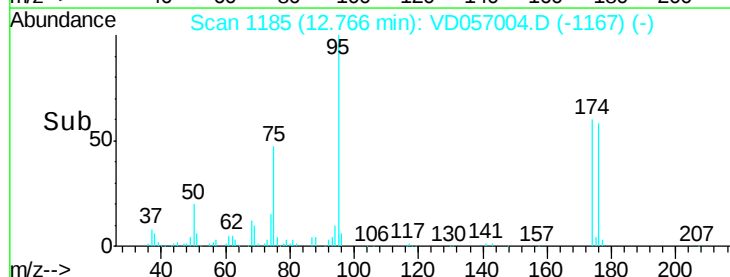
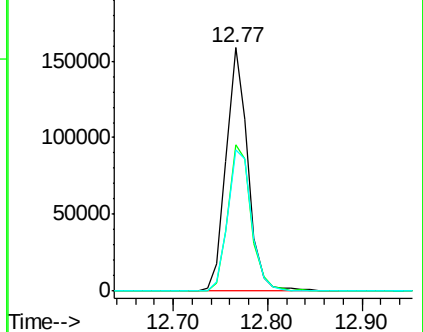
176 57.7 0.0 141.2

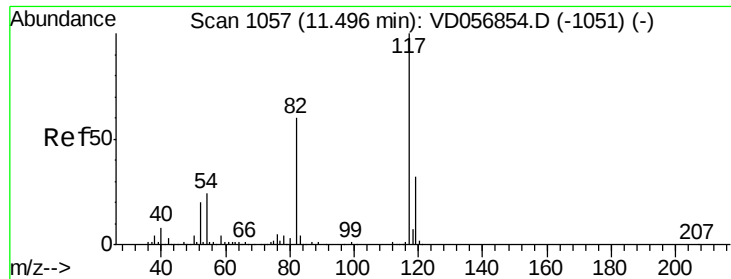


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

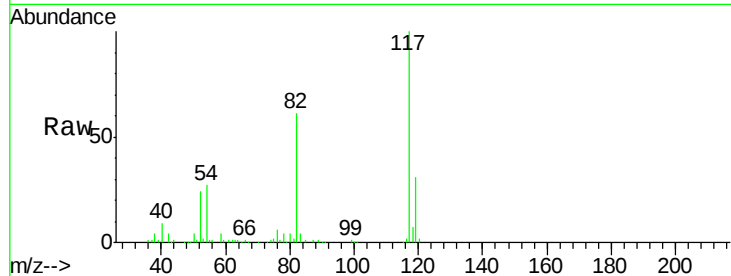




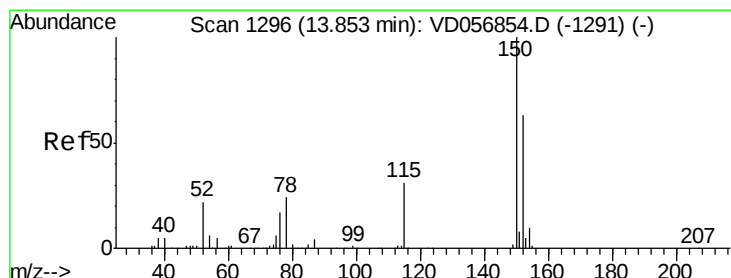
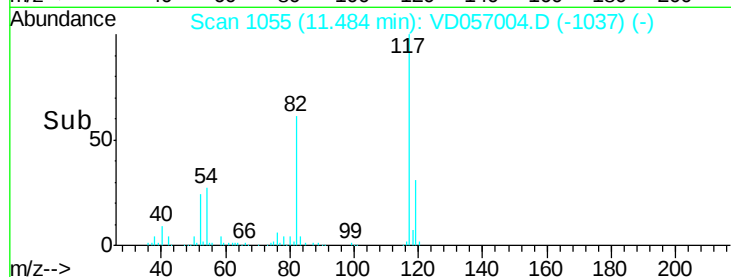
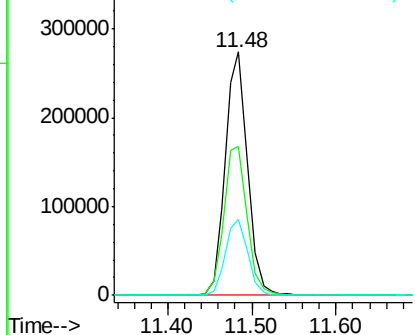
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.48 min Scan# 1055
Delta R.T. -0.02 min
Lab File: VD057004.D
Acq: 28 Mar 2018 16:17

Instrument :
MSVOA_X
ClientSampleId :
TEC-RCA-SAMPLE2-VOC2

Tgt Ion:117 Resp: 502800
Ion Ratio Lower Upper
117 100
82 61.3 46.2 69.4
119 31.3 25.8 38.6

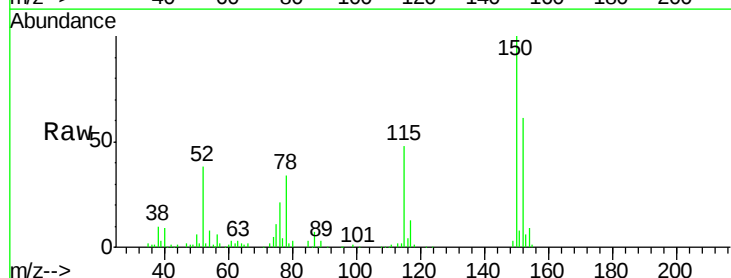


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

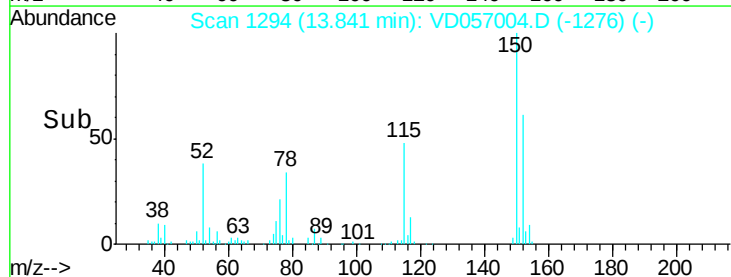
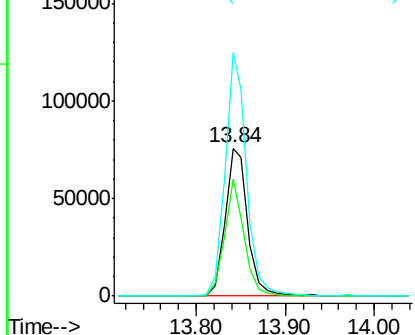


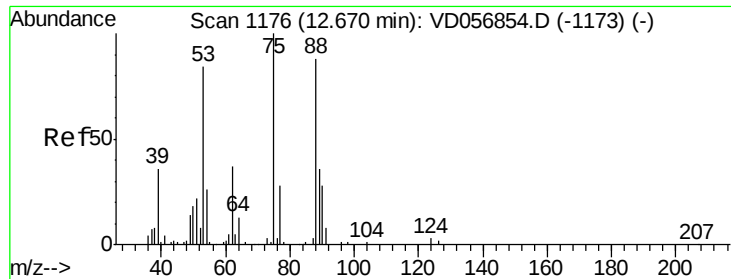
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.84 min Scan# 1294
Delta R.T. -0.02 min
Lab File: VD057004.D
Acq: 28 Mar 2018 16:17

Tgt Ion:152 Resp: 134935
Ion Ratio Lower Upper
152 100
115 79.4 31.2 93.6
150 164.8 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





#81

trans-1,4-Dichloro-2-butene

Concen: 160.04 ug/l

RT: 12.77 min Scan# 1185

Delta R.T. 0.09 min

Lab File: VD057004.D

Acq: 28 Mar 2018 16:17

Instrument :

MSVOA_X

ClientSampleId :

TEC-RCA-SAMPLE2-VOC2

Tgt Ion: 75 Resp: 118201

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 31.6 47.4#

