

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD032818\
 Data File : VD057005.D
 Acq On : 28 Mar 2018 16:45
 Operator : JC/SY
 Sample : J2080-06
 Misc : 4.35g/5ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TEC-RCA-SAMPLE2-VOC3

Quant Time: Mar 29 05:52:44 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	377785	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.30	114	694113	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.48	117	479616	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.84	152	131168	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.58	65	250326	59.40	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	118.80%	
35) Dibromofluoromethane	6.07	113	278803	56.56	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	113.12%	
50) Toluene-d8	9.49	98	698433	46.06	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	92.12%	
62) 4-Bromofluorobenzene	12.77	95	230968	34.83	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	69.66%	

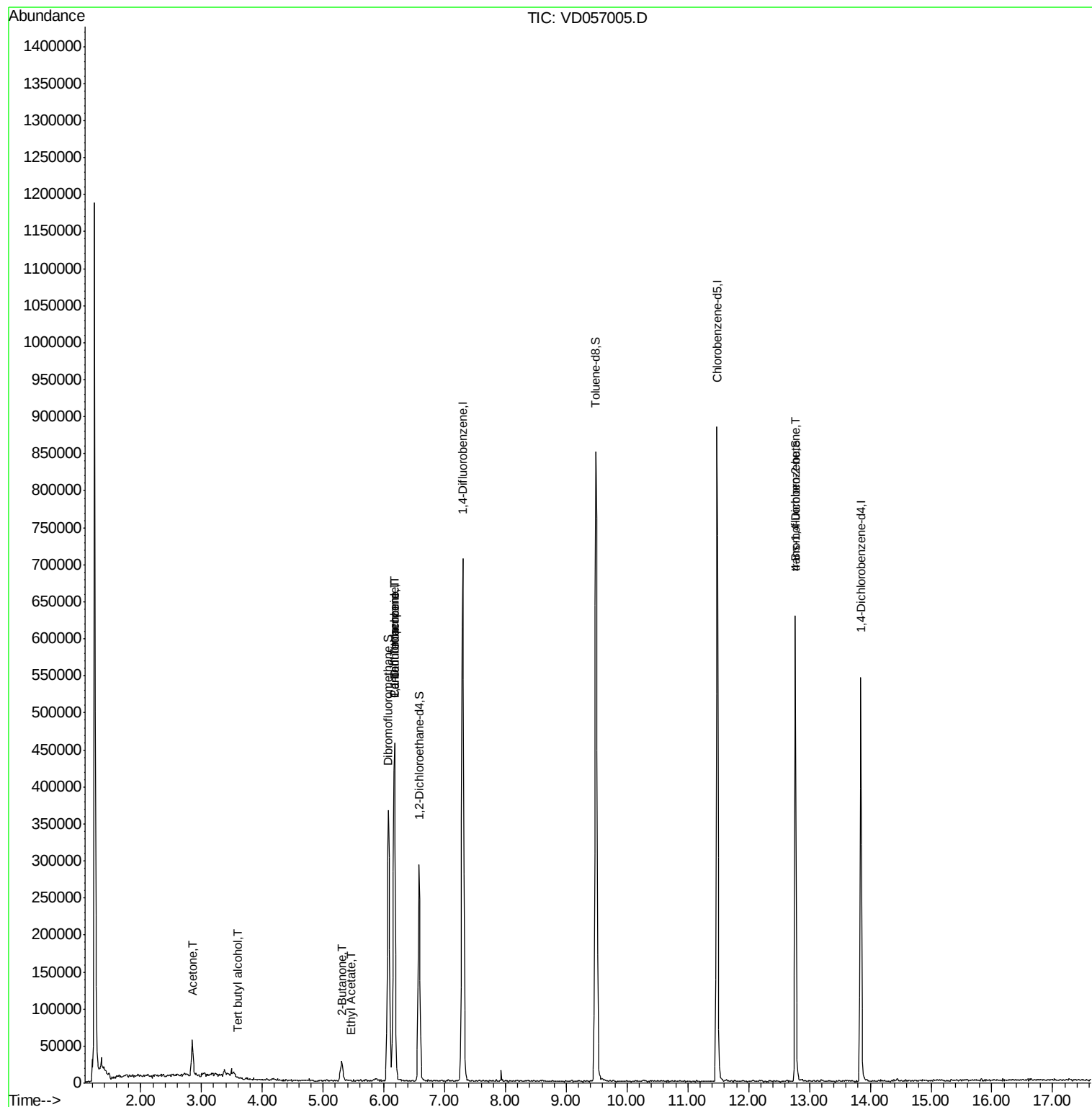
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.60	59	866	3.09	ug/l	# 73
13) Acrolein	2.70	56	767	Below	Cal	87
16) Acetone	2.85	43	71440	110.80	ug/l	100
18) Methyl Acetate	3.23	43	703	Below	Cal	# 57
20) Methylene Chloride	3.38	84	2658	Below	Cal	# 76
25) 2-Butanone	5.32	43	3004	2.02	ug/l	# 56
31) Cyclohexane	6.17	56	9310	Below	Cal	# 1
36) 1,1-Dichloropropene	6.16	75	36592	4.82	ug/l	# 49
37) Ethyl Acetate	5.45	43	238	1.61	ug/l	# 70
38) Carbon Tetrachloride	6.17	117	37424	5.74	ug/l	# 16
81) trans-1,4-Dichloro-2-buten	12.77	75	112655	156.91	ug/l	# 18

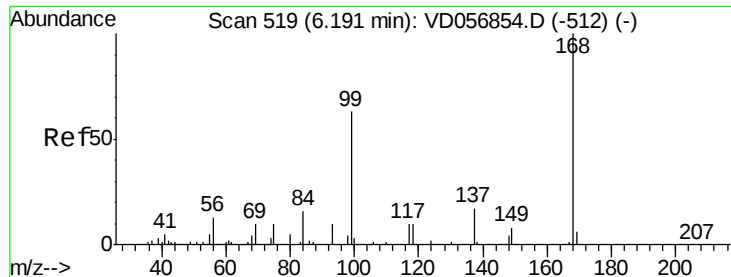
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.17 min Scan# 517

Delta R.T. -0.02 min

Lab File: VD057005.D

Acq: 28 Mar 2018 16:45

Instrument :

MSVOA_X

ClientSampleId :

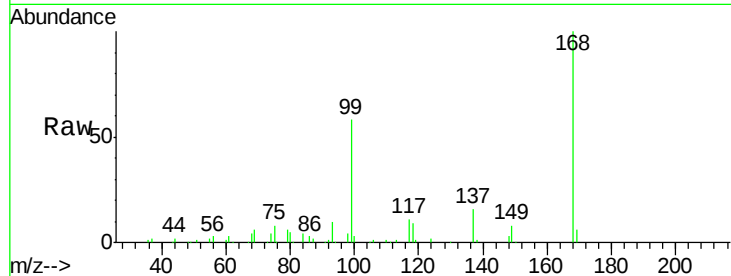
TEC-RCA-SAMPLE2-VOC3

Tgt Ion:168 Resp: 377785

Ion Ratio Lower Upper

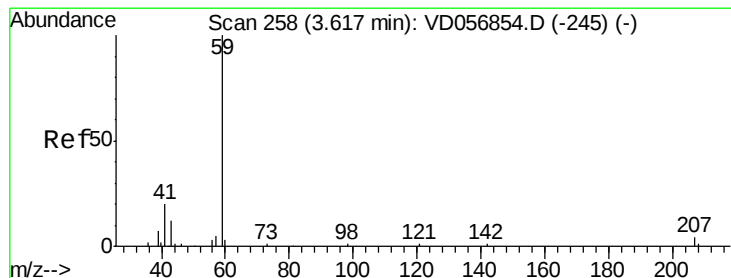
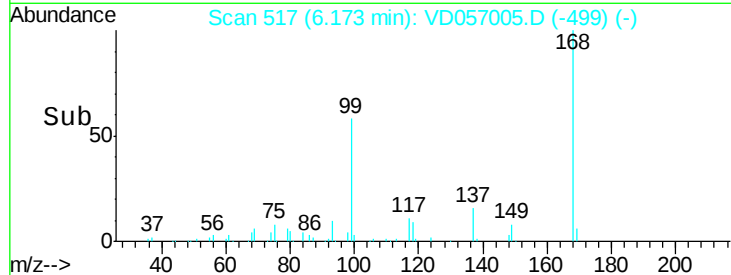
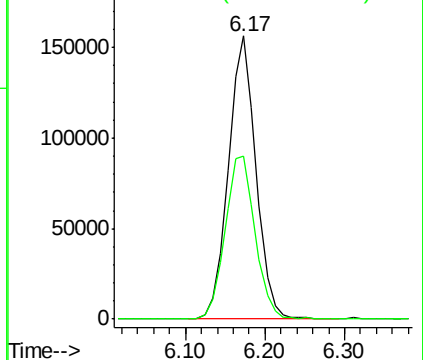
168 100

99 57.8 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 3.09 ug/l

RT: 3.60 min Scan# 256

Delta R.T. -0.01 min

Lab File: VD057005.D

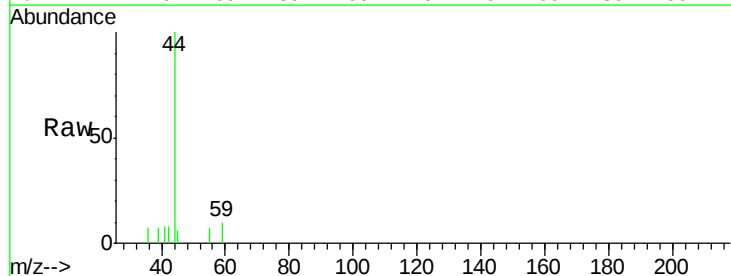
Acq: 28 Mar 2018 16:45

Tgt Ion: 59 Resp: 866

Ion Ratio Lower Upper

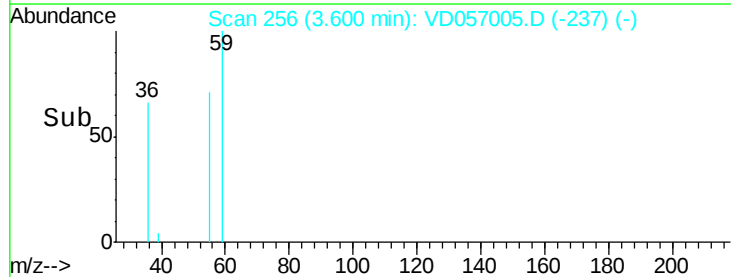
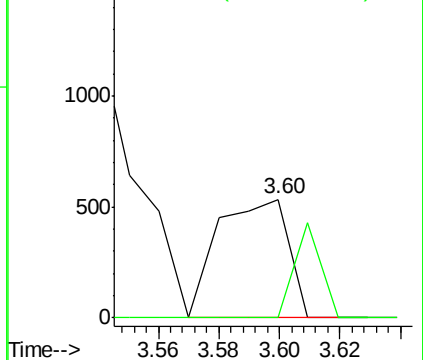
59 100

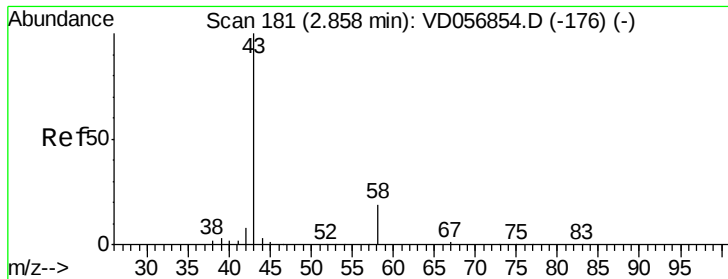
57 0.0 8.1 12.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

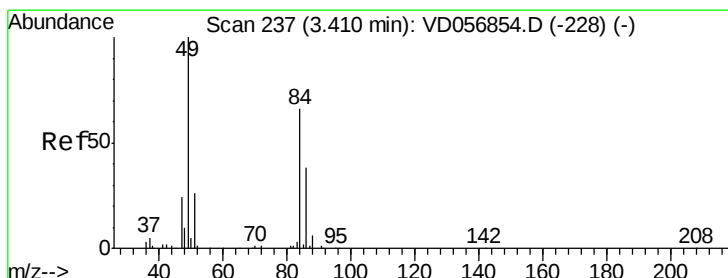
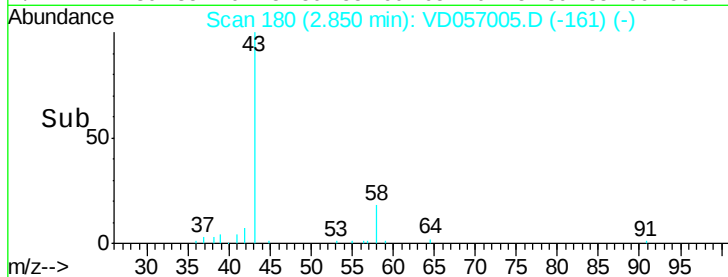
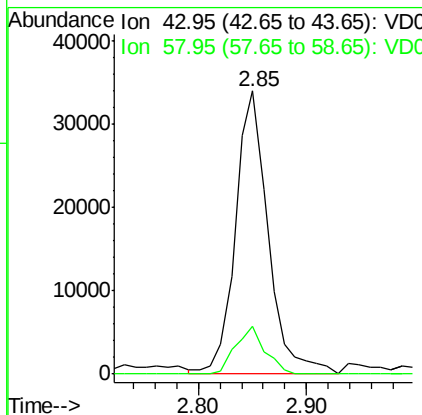
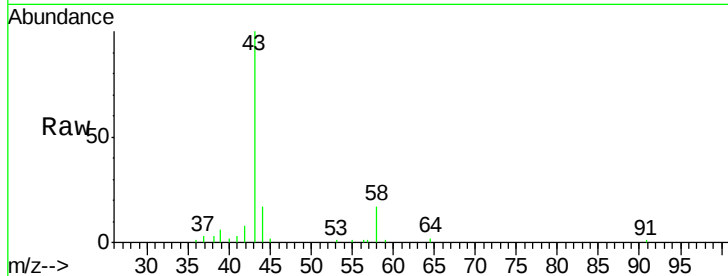




#16
Acetone
Concen: 110.80 ug/l
RT: 2.85 min Scan# 180
Delta R.T. -0.01 min
Lab File: VD057005.D
Acq: 28 Mar 2018 16:45

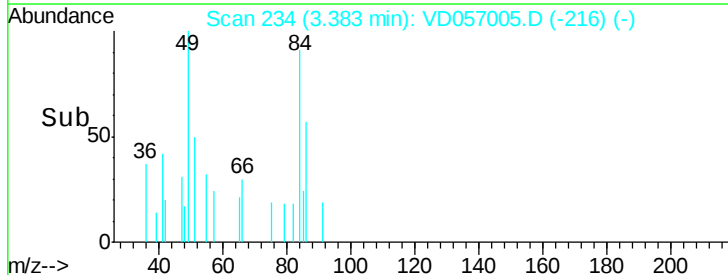
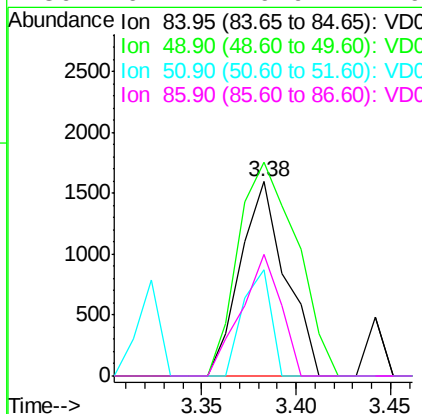
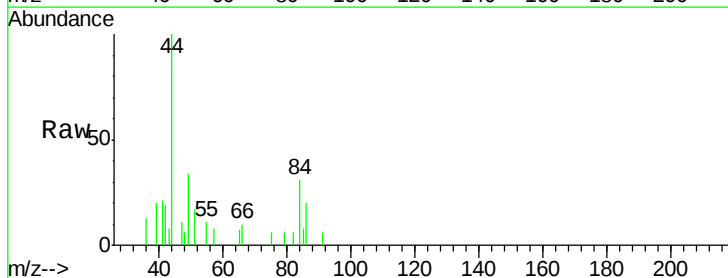
Instrument :
MSVOA_X
ClientSampleId :
TEC-RCA-SAMPLE2-VOC3

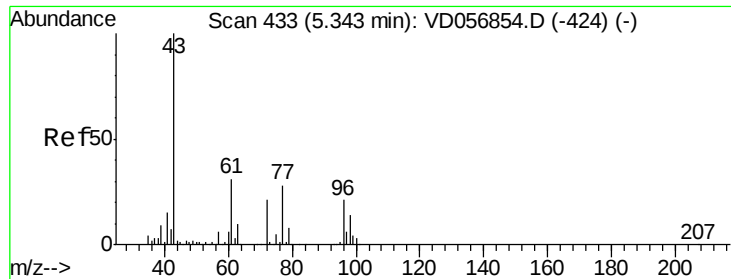
Tgt Ion: 43 Resp: 71440
Ion Ratio Lower Upper
43 100
58 17.1 13.6 20.4



#20
Methylene Chloride
Concen: Below Cal
RT: 3.38 min Scan# 234
Delta R.T. -0.02 min
Lab File: VD057005.D
Acq: 28 Mar 2018 16:45

Tgt Ion: 84 Resp: 2658
Ion Ratio Lower Upper
84 100
49 109.8 124.5 186.7#
51 54.8 35.1 52.7#
86 62.4 49.9 74.9

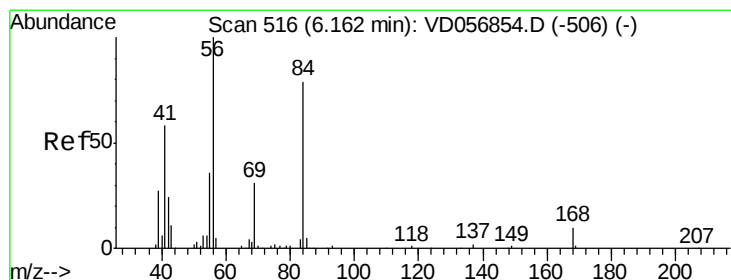
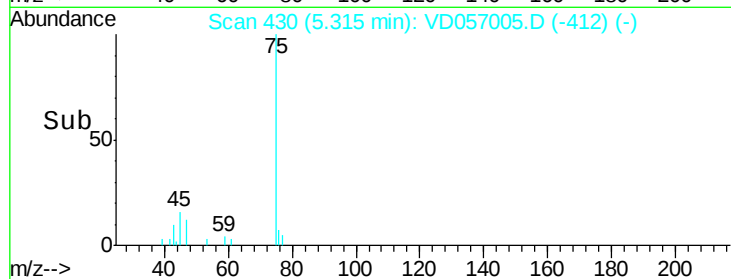
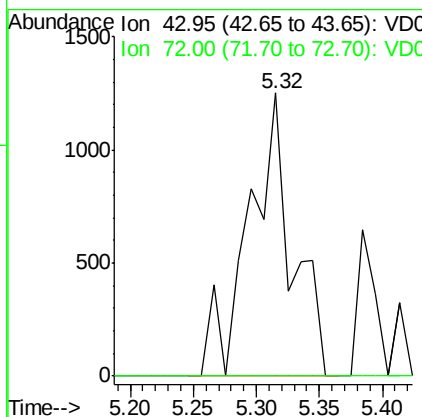
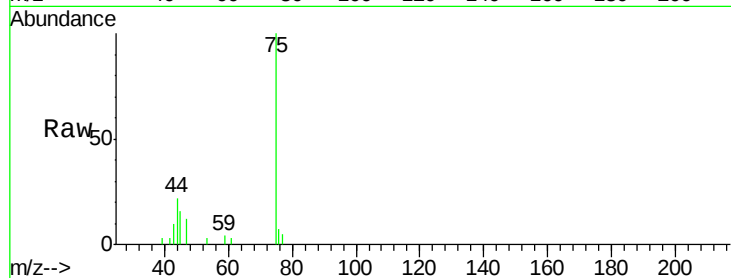




#25
2-Butanone
Concen: 2.02 ug/l
RT: 5.32 min Scan# 430
Delta R.T. -0.02 min
Lab File: VD057005.D
Acq: 28 Mar 2018 16:45

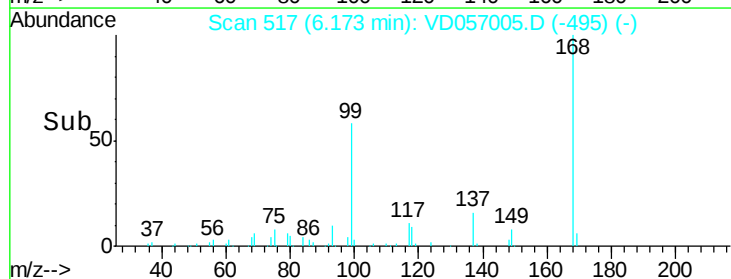
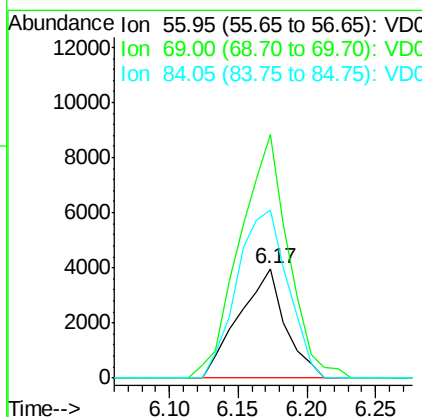
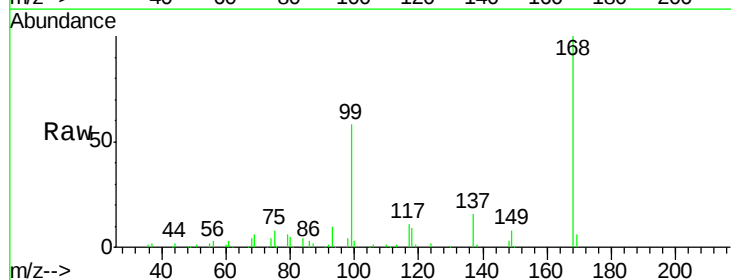
Instrument :
MSVOA_X
ClientSampleId :
TEC-RCA-SAMPLE2-VOC3

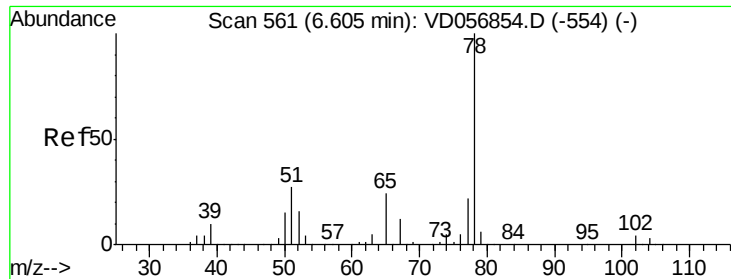
Tgt Ion: 43 Resp: 3004
Ion Ratio Lower Upper
43 100
72 0.0 16.6 24.8#



#31
Cyclohexane
Concen: Below Cal
RT: 6.17 min Scan# 517
Delta R.T. 0.02 min
Lab File: VD057005.D
Acq: 28 Mar 2018 16:45

Tgt Ion: 56 Resp: 9310
Ion Ratio Lower Upper
56 100
69 222.6 23.1 34.7#
84 153.5 60.2 90.2#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.58 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD057005.D

Acq: 28 Mar 2018 16:45

Instrument :

MSVOA_X

ClientSampleId :

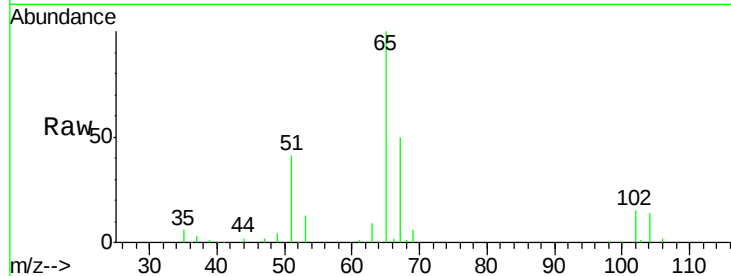
TEC-RCA-SAMPLE2-VOC3

Tgt Ion: 65 Resp: 250326

Ion Ratio Lower Upper

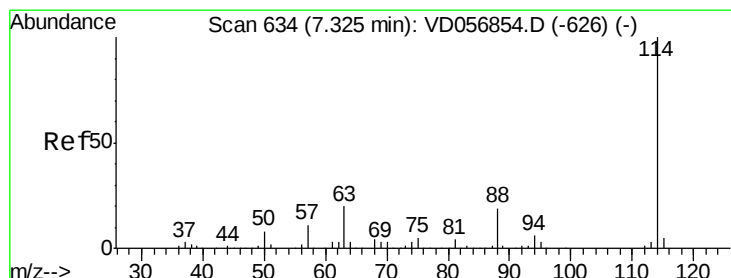
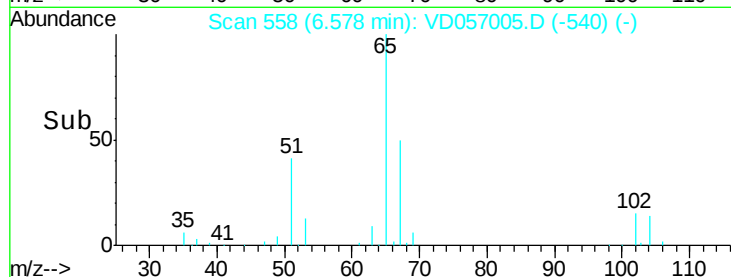
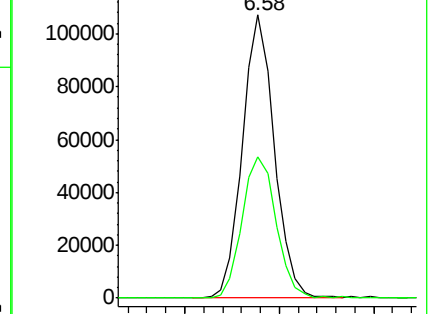
65 100

67 49.9 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. -0.02 min

Lab File: VD057005.D

Acq: 28 Mar 2018 16:45

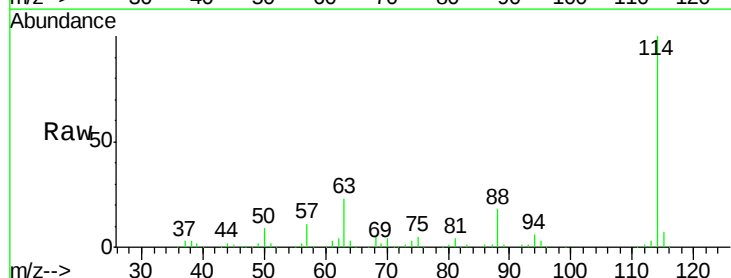
Tgt Ion: 114 Resp: 694113

Ion Ratio Lower Upper

114 100

63 22.6 0.0 42.6

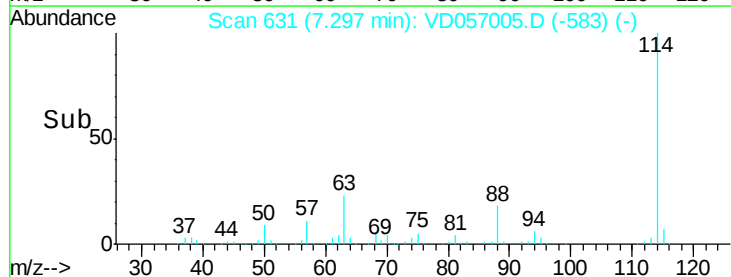
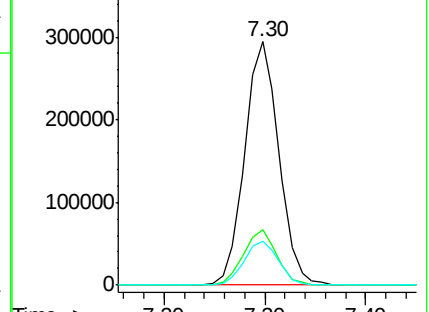
88 17.9 0.0 35.2

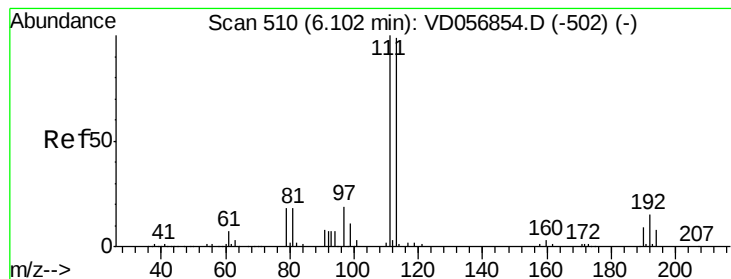


Abundance Ion 114.00 (113.70 to 114.70): V

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. -0.02 min

Lab File: VD057005.D

Acq: 28 Mar 2018 16:45

Instrument :

MSVOA_X

ClientSampleId :

TEC-RCA-SAMPLE2-VOC3

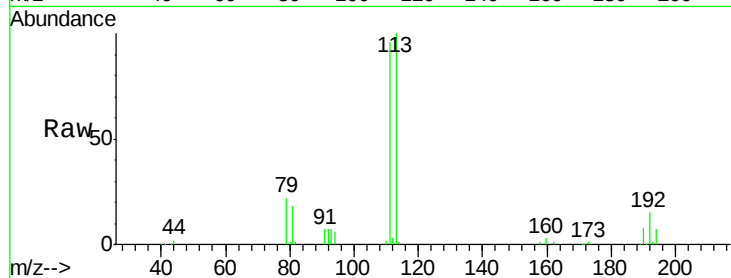
Tgt Ion:113 Resp: 278803

Ion Ratio Lower Upper

113 100

111 95.7 81.5 122.3

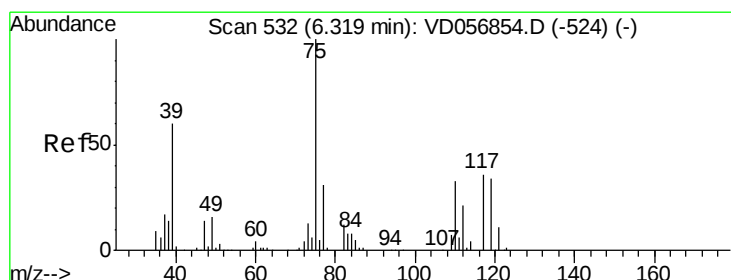
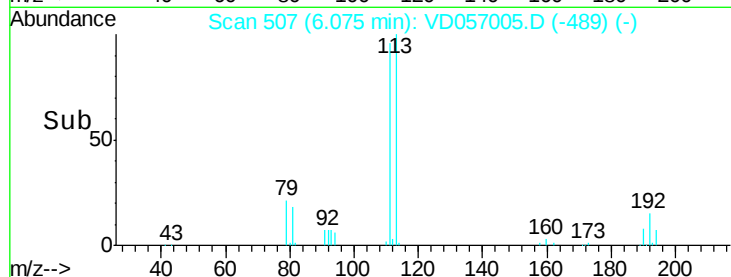
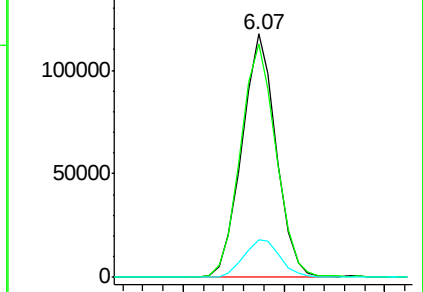
192 15.2 12.6 19.0



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: 4.82 ug/l

RT: 6.16 min Scan# 516

Delta R.T. -0.15 min

Lab File: VD057005.D

Acq: 28 Mar 2018 16:45

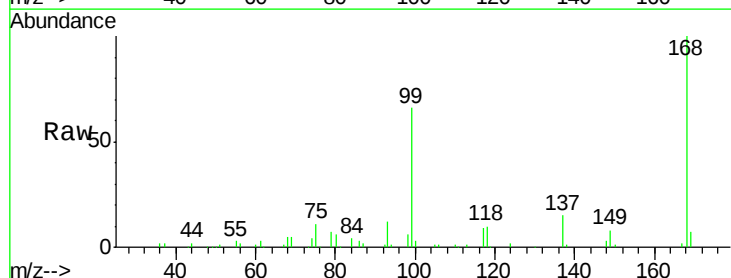
Tgt Ion: 75 Resp: 36592

Ion Ratio Lower Upper

75 100

110 5.3 15.9 47.6#

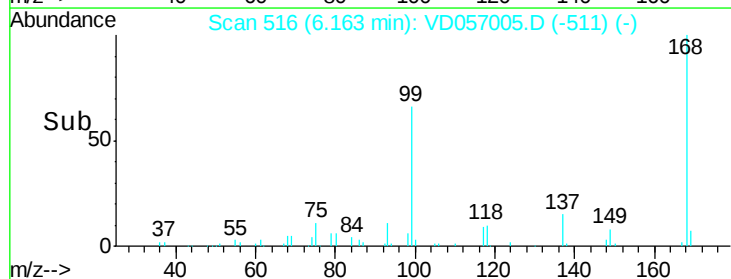
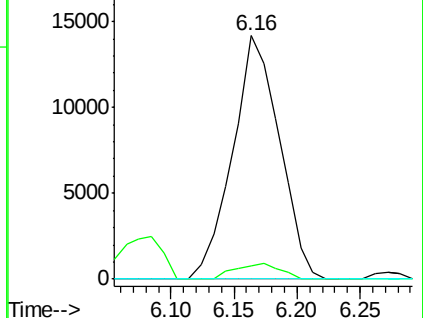
77 0.0 23.8 35.6#

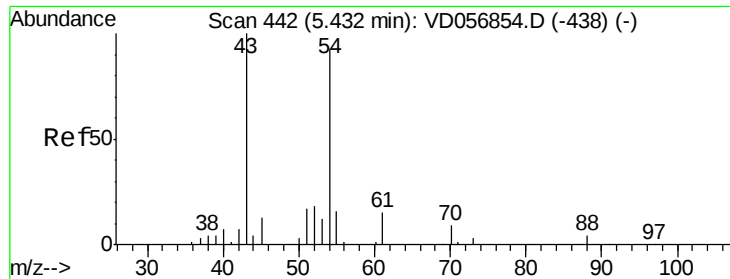


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 1.61 ug/l

RT: 5.45 min Scan# 444

Delta R.T. 0.02 min

Lab File: VD057005.D

Acq: 28 Mar 2018 16:45

Instrument :

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ClientSampleId :

TEC-RCA-SAMPLE2-VOC3

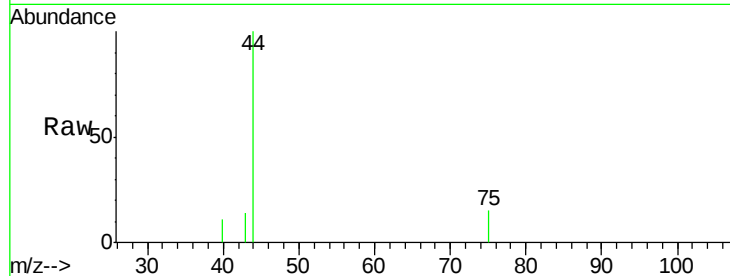
Tgt Ion: 43 Resp: 238

Ion Ratio Lower Upper

43 100

61 0.0 10.0 15.0#

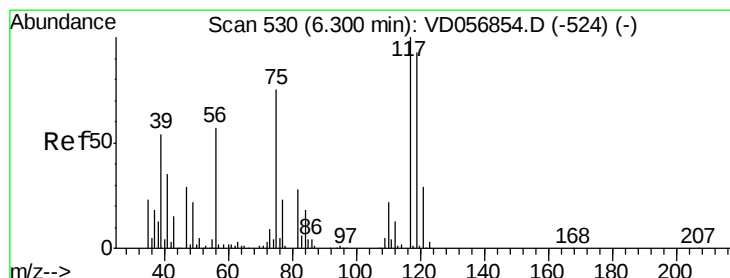
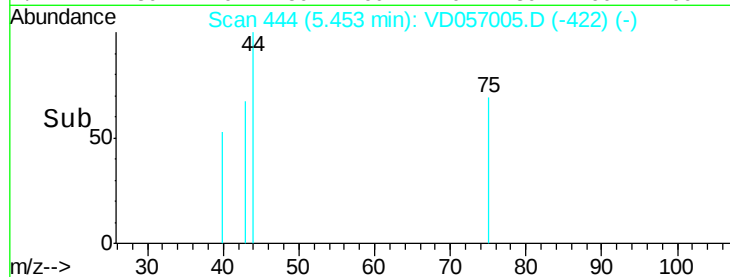
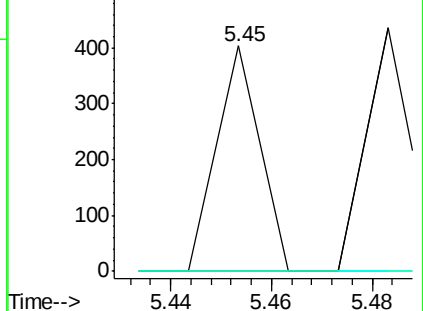
70 0.0 7.9 11.9#



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: 5.74 ug/l

RT: 6.17 min Scan# 517

Delta R.T. -0.12 min

Lab File: VD057005.D

Acq: 28 Mar 2018 16:45

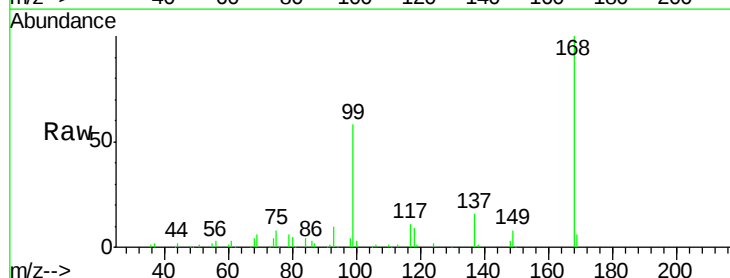
Tgt Ion: 117 Resp: 37424

Ion Ratio Lower Upper

117 100

119 5.7 78.2 117.2#

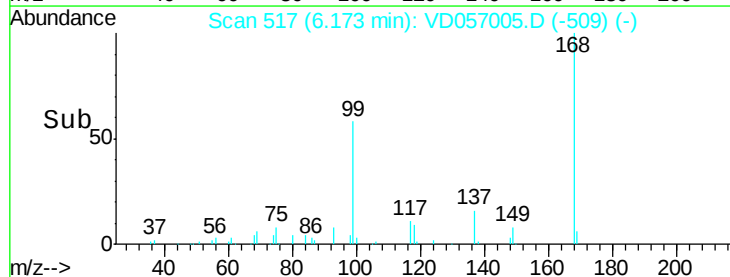
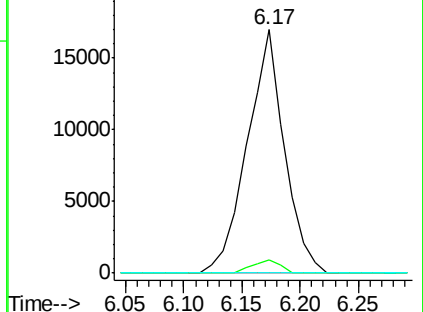
121 0.0 24.6 37.0#

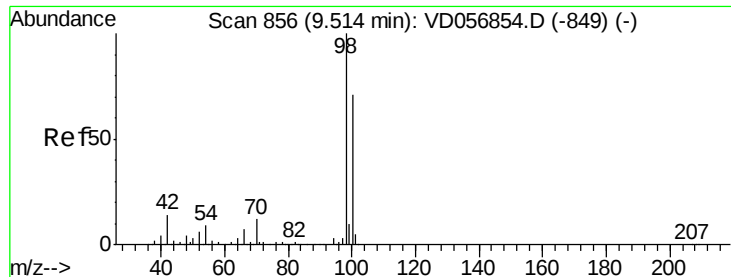


Abundance Ion 116.85 (116.55 to 117.55): V

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: 9.49 min Scan# 853

Delta R.T. -0.02 min

Lab File: VD057005.D

Acq: 28 Mar 2018 16:45

Instrument :

MSVOA_X

ClientSampleId :

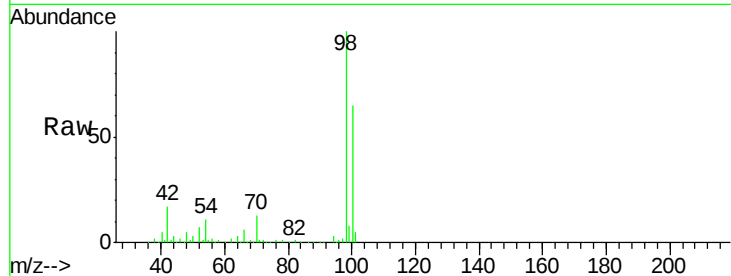
TEC-RCA-SAMPLE2-VOC3

Tgt Ion: 98 Resp: 698433

Ion Ratio Lower Upper

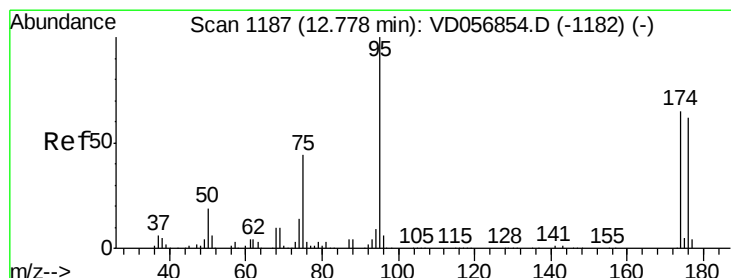
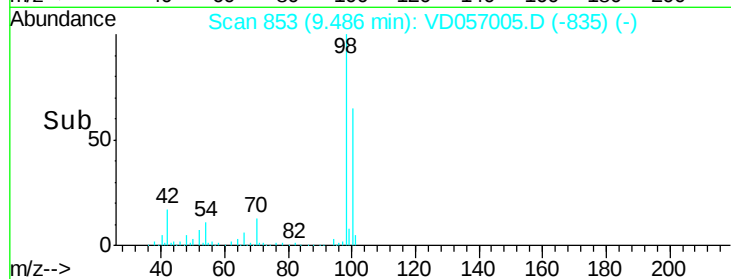
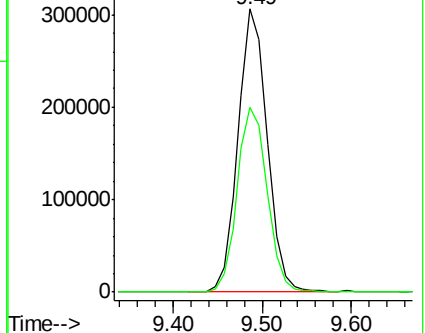
98 100

100 65.4 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# 1186

Delta R.T. -0.01 min

Lab File: VD057005.D

Acq: 28 Mar 2018 16:45

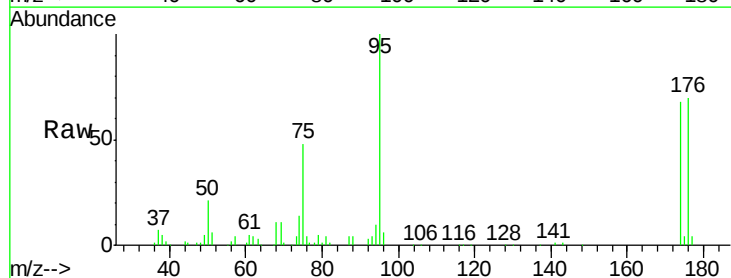
Tgt Ion: 95 Resp: 230968

Ion Ratio Lower Upper

95 100

174 67.7 0.0 143.6

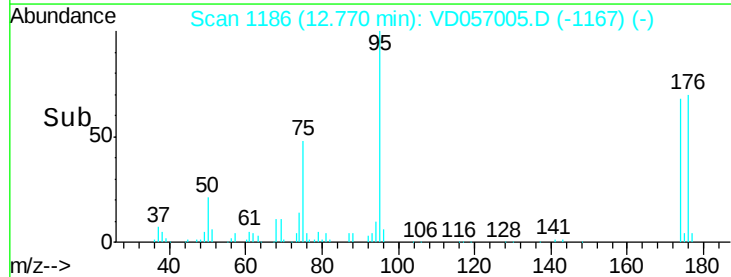
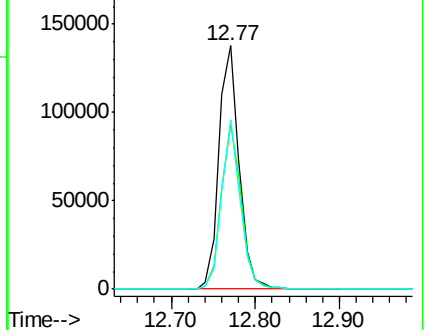
176 69.6 0.0 141.2

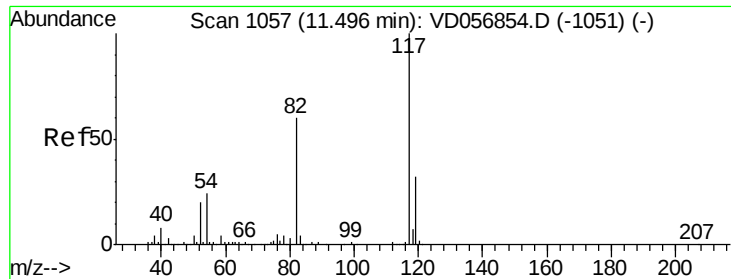


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

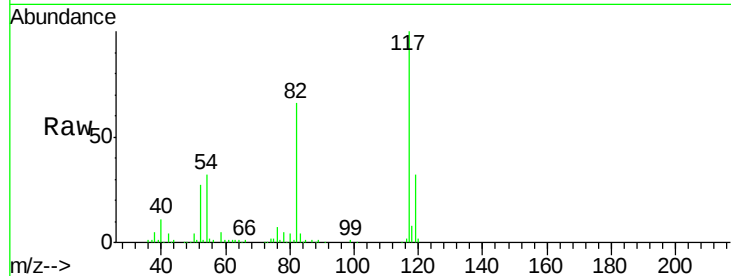




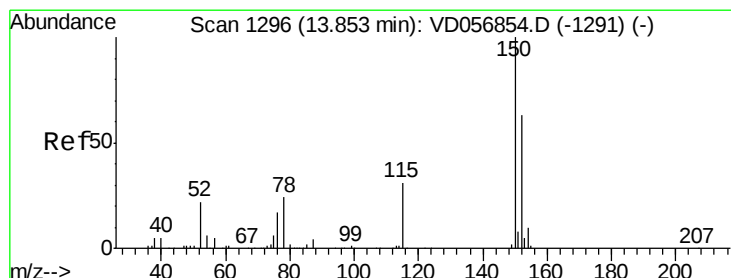
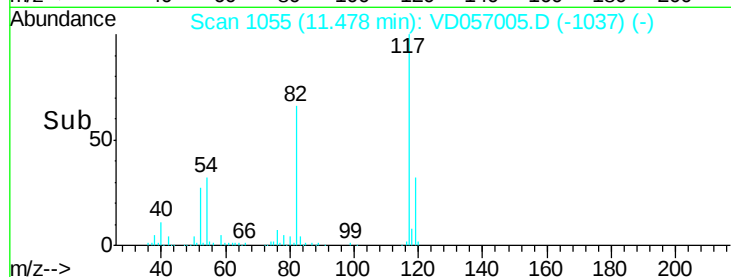
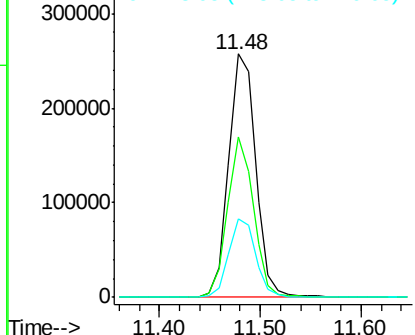
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.48 min Scan# 1055
Delta R.T. -0.02 min
Lab File: VD057005.D
Acq: 28 Mar 2018 16:45

Instrument :
MSVOA_X
ClientSampleId :
TEC-RCA-SAMPLE2-VOC3

Tgt Ion:117 Resp: 479616
Ion Ratio Lower Upper
117 100
82 65.9 46.2 69.4
119 32.4 25.8 38.6

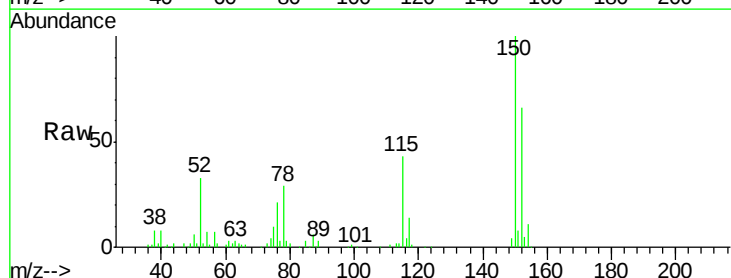


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

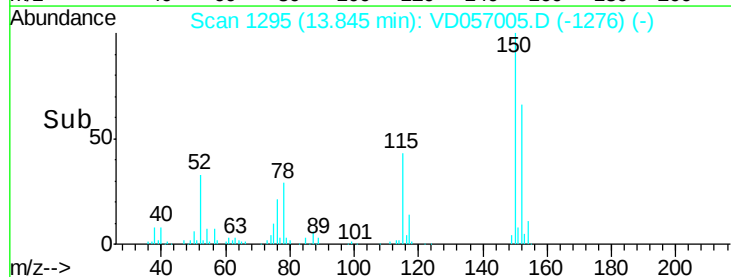
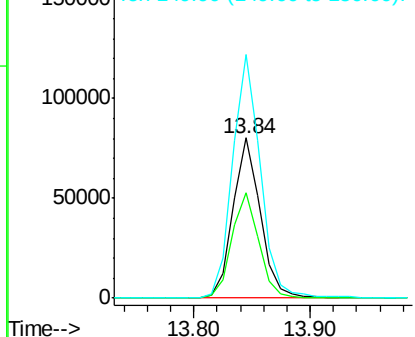


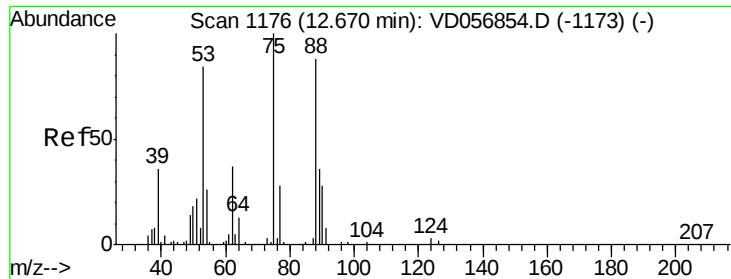
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.84 min Scan# 1295
Delta R.T. -0.01 min
Lab File: VD057005.D
Acq: 28 Mar 2018 16:45

Tgt Ion:152 Resp: 131168
Ion Ratio Lower Upper
152 100
115 65.9 31.2 93.6
150 152.3 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: 156.91 ug/l

RT: 12.77 min Scan# 1186

Delta R.T. 0.09 min

Lab File: VD057005.D

Acq: 28 Mar 2018 16:45

Instrument :

MSVOA_X

ClientSampleId :

TEC-RCA-SAMPLE2-VOC3

Tgt Ion: 75 Resp: 112655

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 31.6 47.4#

