

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD032818\
 Data File : VD057003.D
 Acq On : 28 Mar 2018 15:49
 Operator : JC/SY
 Sample : J2080-04
 Misc : 4.56g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TEC-RCA-SAMPLE2-VOC1

Quant Time: Mar 29 05:52:20 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	414596	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.30	114	736981	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.48	117	532431	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.84	152	149424	50.00	ug/l	-0.01

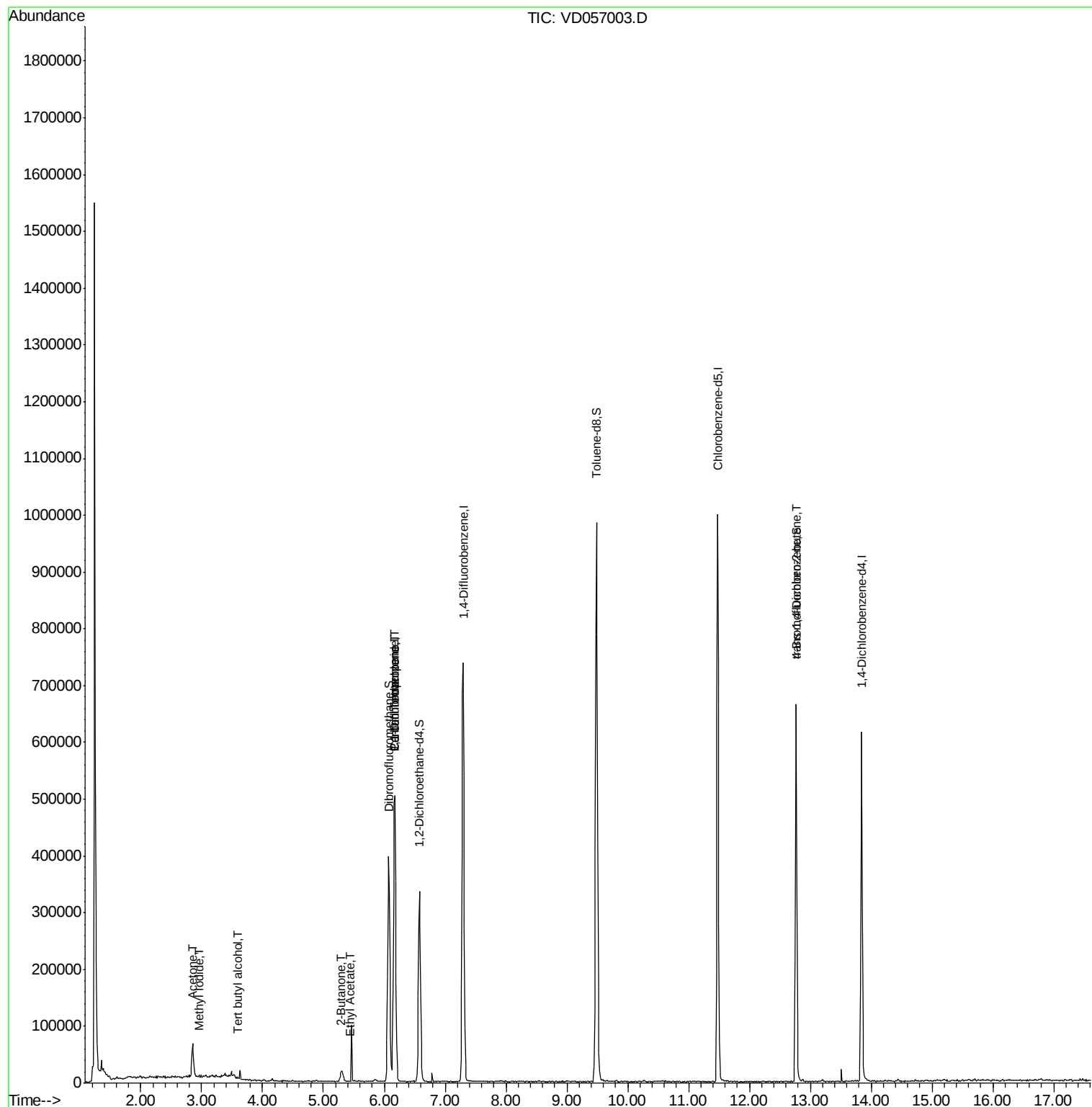
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.58	65	281999	60.97	ug/l	-0.02
Spiked Amount			Recovery	=	121.94%	
35) Dibromofluoromethane	6.07	113	301866	57.68	ug/l	-0.02
Spiked Amount			Recovery	=	115.36%	
50) Toluene-d8	9.49	98	786107	48.83	ug/l	-0.02
Spiked Amount			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.77	95	253633	36.02	ug/l	-0.01
Spiked Amount			Recovery	=	72.04%	

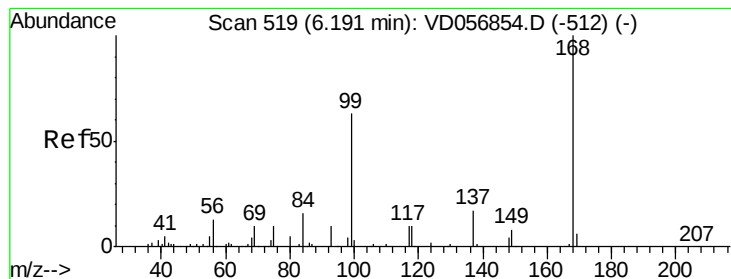
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.96	142	182	2.85	ug/l #	32
11) Tert butyl alcohol	3.60	59	779	2.53	ug/l #	73
13) Acrolein	2.65	56	187	Below Cal	#	13
16) Acetone	2.85	43	82481	116.57	ug/l	96
20) Methylene Chloride	3.38	84	2049	Below Cal	#	78
25) 2-Butanone	5.31	43	2836	1.73	ug/l #	56
31) Cyclohexane	6.16	56	10059	Below Cal	#	1
36) 1,1-Dichloropropene	6.16	75	42917	5.32	ug/l #	51
37) Ethyl Acetate	5.44	43	382	1.64	ug/l #	70
38) Carbon Tetrachloride	6.17	117	43429	6.27	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.77	75	128545	157.17	ug/l #	18

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

Instrument :
MSVOA_X
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TEC-RCA-SAMPLE2-VOC1

Quant Time: Mar 29 05:52:20 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# 517

Delta R.T. -0.02 min

Lab File: VD057003.D

Acq: 28 Mar 2018 15:49

Instrument :

MSVOA_X

ClientSampleId :

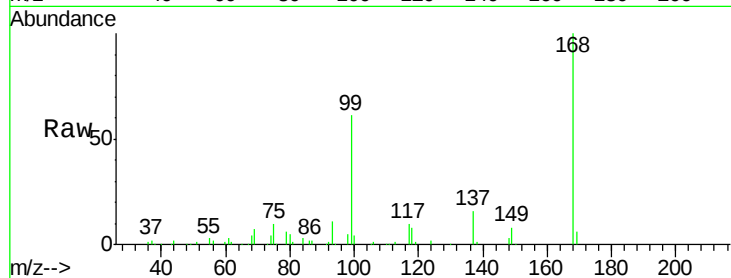
TEC-RCA-SAMPLE2-VOC1

Tgt Ion:168 Resp: 414596

Ion Ratio Lower Upper

168 100

99 60.5 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

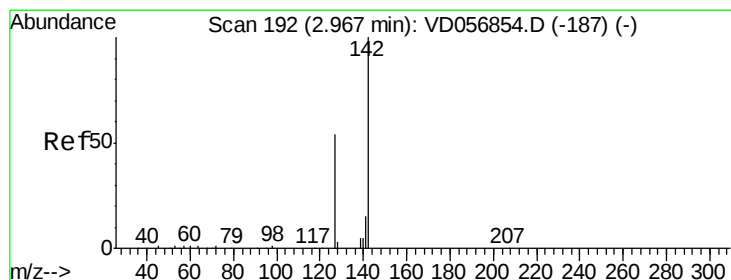
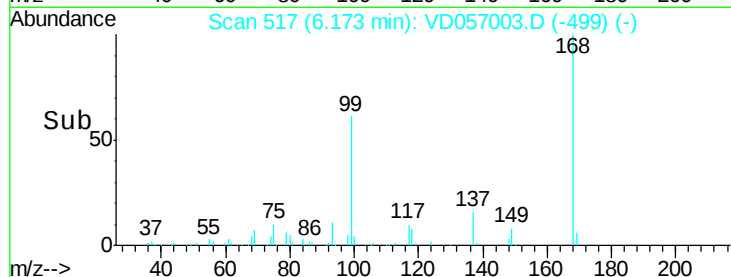
100000

50000

0

Time-->

6.10 6.20 6.30



#10

Methyl Iodide

Concen: 2.85 ug/l

RT: 2.96 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD057003.D

Acq: 28 Mar 2018 15:49

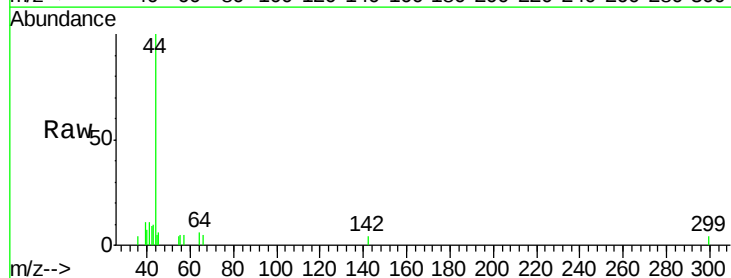
Tgt Ion:142 Resp: 182

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

2.96

400

300

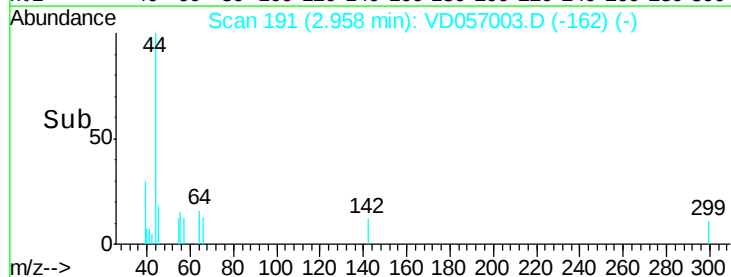
200

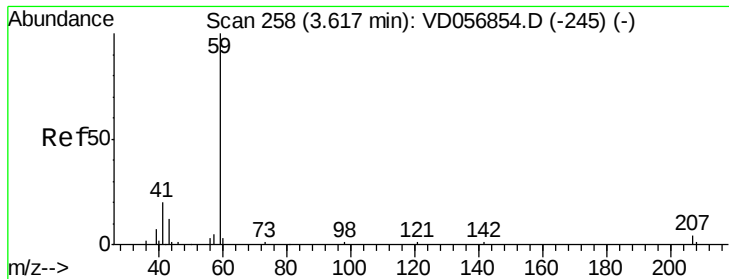
100

0

Time-->

2.92 2.94 2.96 2.98



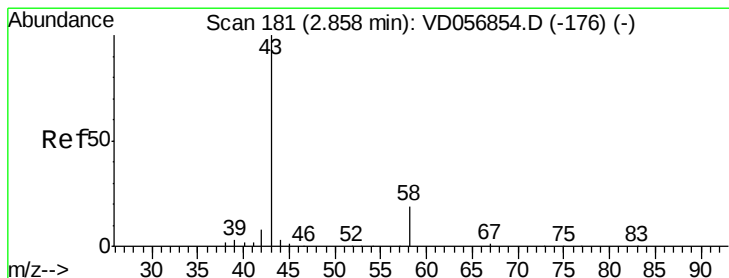
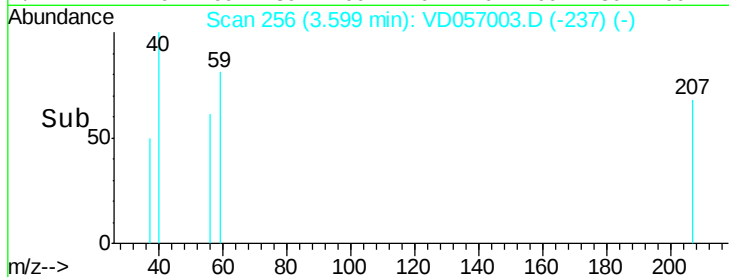
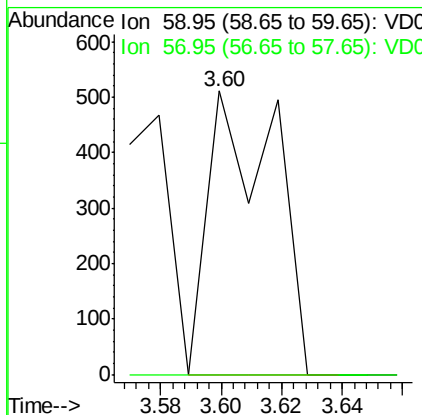
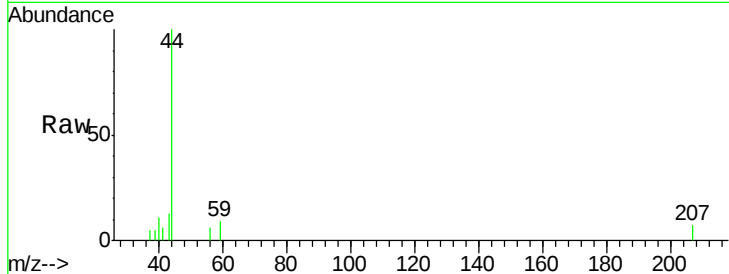


#11

Tert butyl alcohol
 Concen: 2.53 ug/l
 RT: 3.60 min Scan# 256
 Delta R.T. -0.01 min
 Lab File: VD057003.D
 Acq: 28 Mar 2018 15:49

Instrument :
 MSVOA_X
 ClientSampleId :
 TEC-RCA-SAMPLE2-VOC1

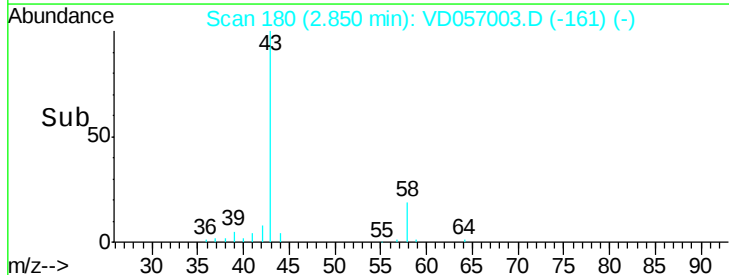
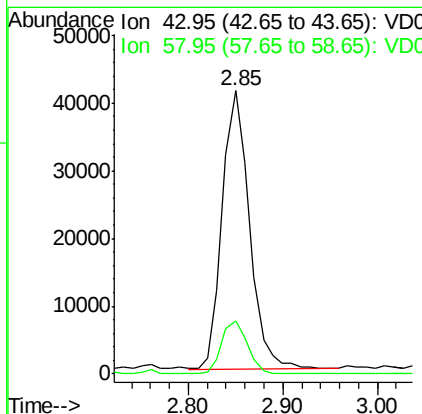
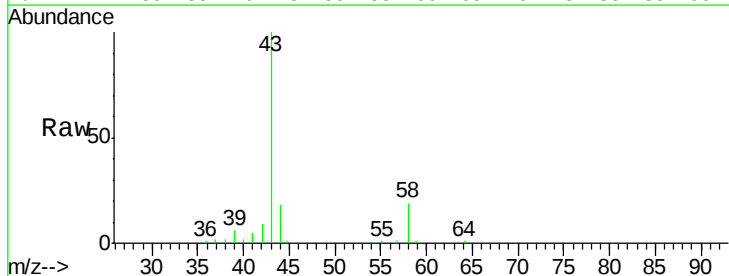
Tgt Ion: 59 Resp: 779
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

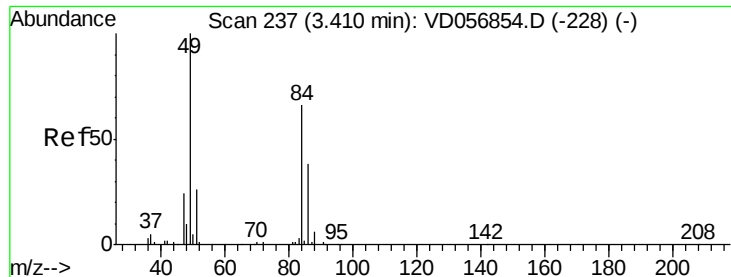


#16

Acetone
 Concen: 116.57 ug/l
 RT: 2.85 min Scan# 180
 Delta R.T. -0.01 min
 Lab File: VD057003.D
 Acq: 28 Mar 2018 15:49

Tgt Ion: 43 Resp: 82481
 Ion Ratio Lower Upper
 43 100
 58 18.9 13.6 20.4





#20

Methylene Chloride

Concen: Below Cal

RT: 3.38 min Scan# 234

Delta R.T. -0.02 min

Lab File: VD057003.D

Acq: 28 Mar 2018 15:49

Instrument :

MSVOA_X

ClientSampleId :

TEC-RCA-SAMPLE2-VOC1

Tgt Ion: 84 Resp: 2049

Ion Ratio Lower Upper

84 100

49 114.2 124.5 186.7#

51 35.3 35.1 52.7

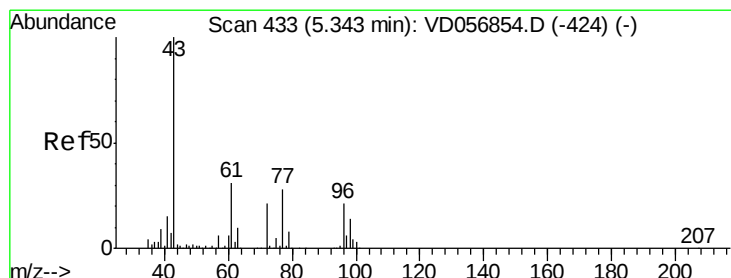
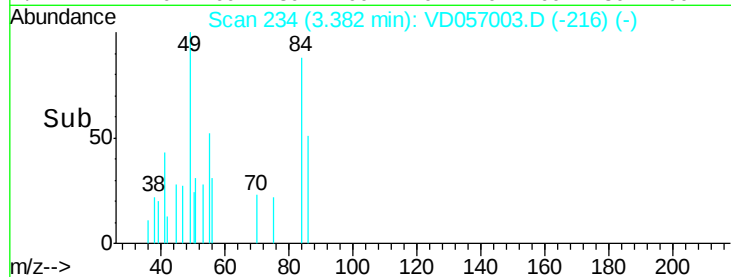
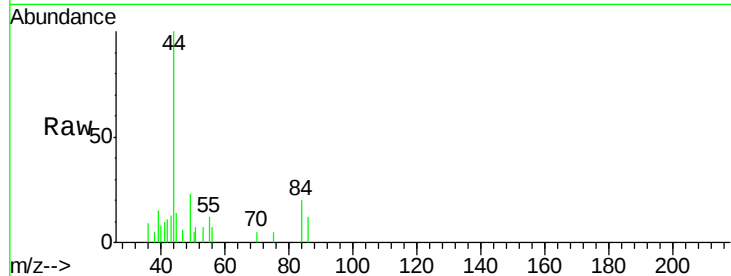
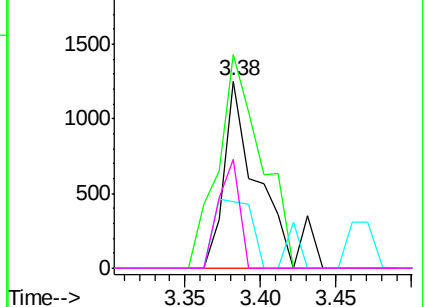
86 58.5 49.9 74.9

Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#25

2-Butanone

Concen: 1.73 ug/l

RT: 5.31 min Scan# 429

Delta R.T. -0.03 min

Lab File: VD057003.D

Acq: 28 Mar 2018 15:49

Tgt Ion: 43 Resp: 2836

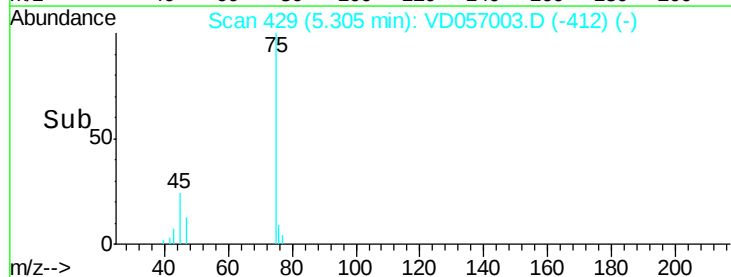
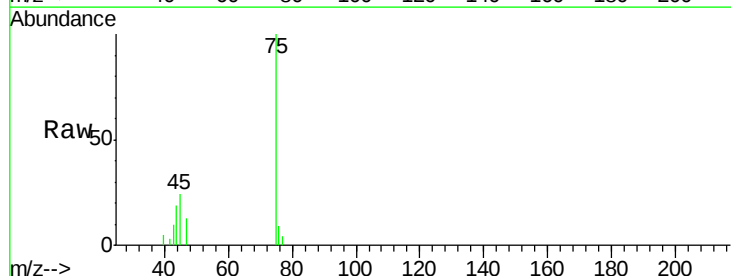
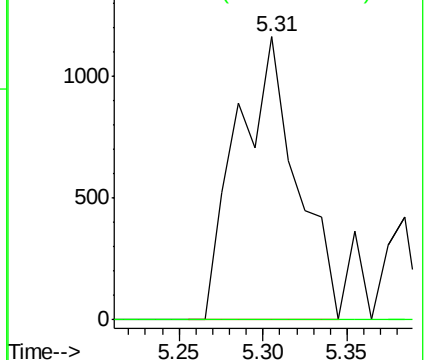
Ion Ratio Lower Upper

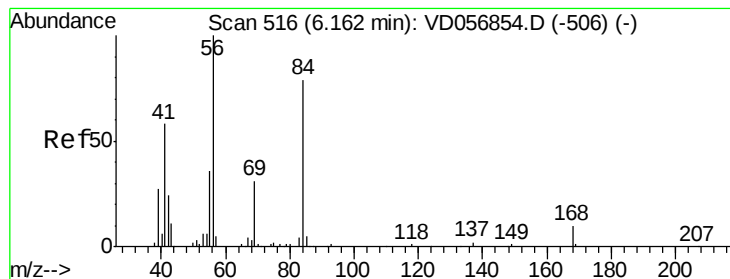
43 100

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# 516

Delta R.T. 0.00 min

Lab File: VD057003.D

Acq: 28 Mar 2018 15:49

Instrument :

MSVOA_X

ClientSampleId :

TEC-RCA-SAMPLE2-VOC1

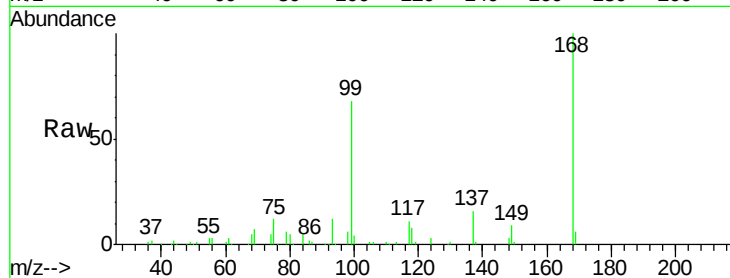
Tgt Ion: 56 Resp: 10059

Ion Ratio Lower Upper

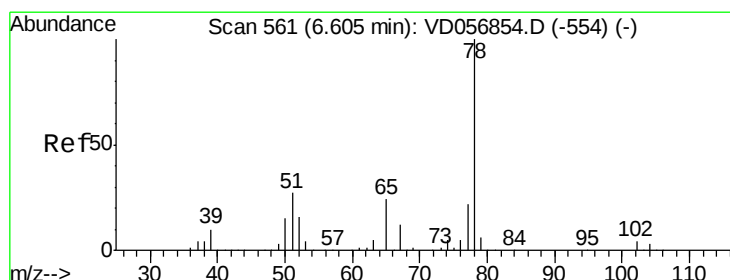
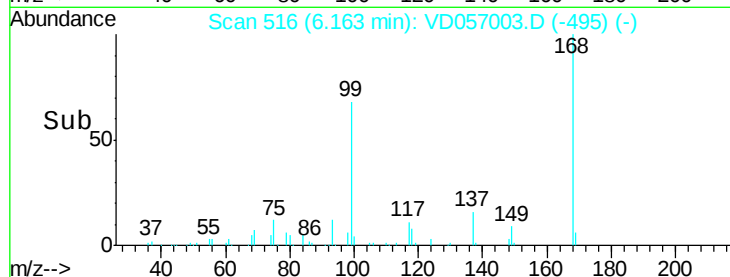
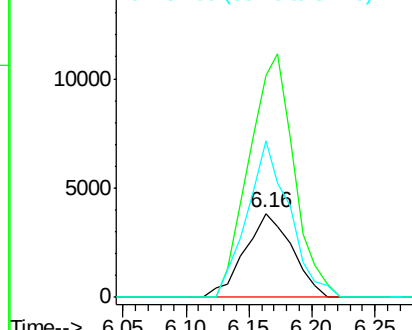
56 100

69 264.0 23.1 34.7#

84 187.1 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: VD057003.D

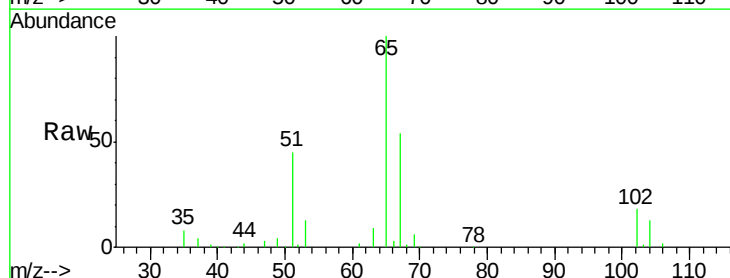
Acq: 28 Mar 2018 15:49

Tgt Ion: 65 Resp: 281999

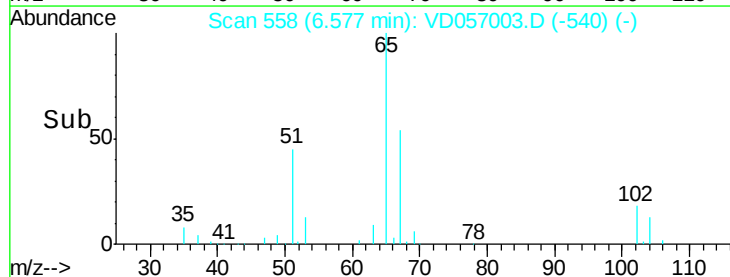
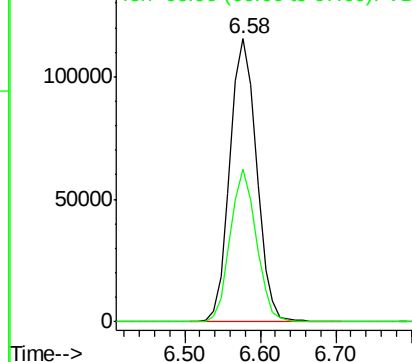
Ion Ratio Lower Upper

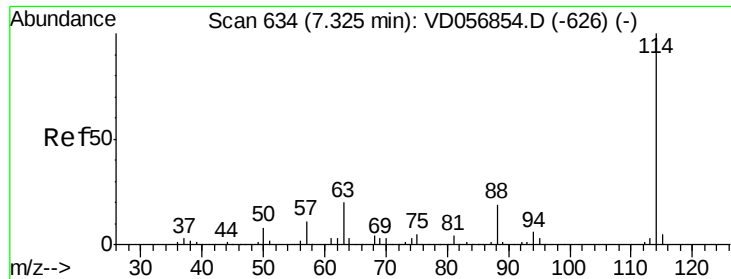
65 100

67 53.9 0.0 104.4



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

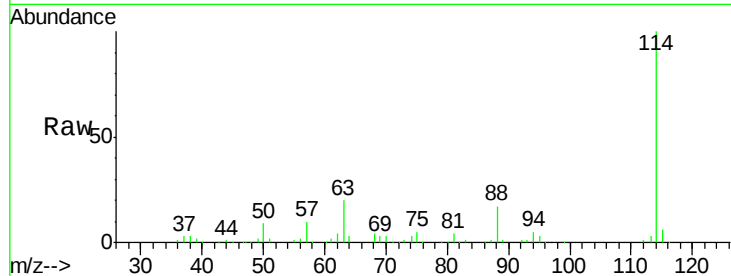




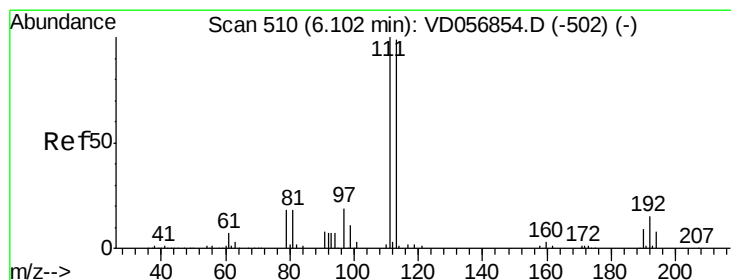
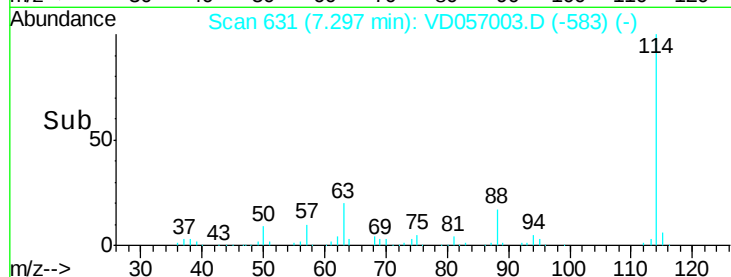
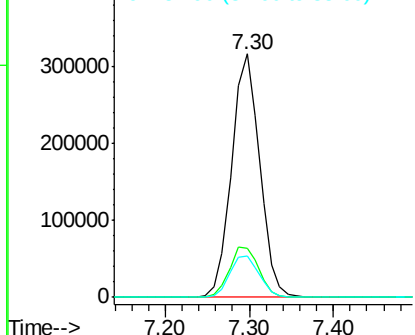
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.30 min Scan# 631
 Delta R.T. -0.02 min
 Lab File: VD057003.D
 Acq: 28 Mar 2018 15:49

Instrument :
 MSVOA_X
 ClientSampleId :
 TEC-RCA-SAMPLE2-VOC1

Tgt Ion:114 Resp: 736981
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.6
 88 17.2 0.0 35.2

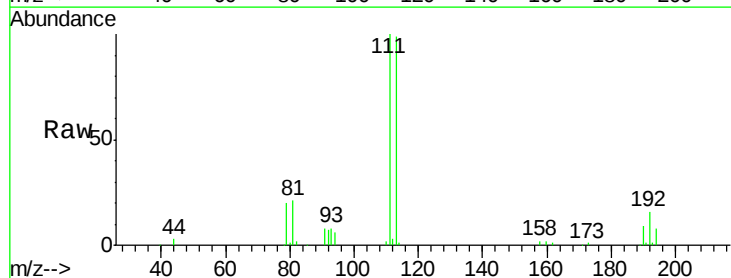


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

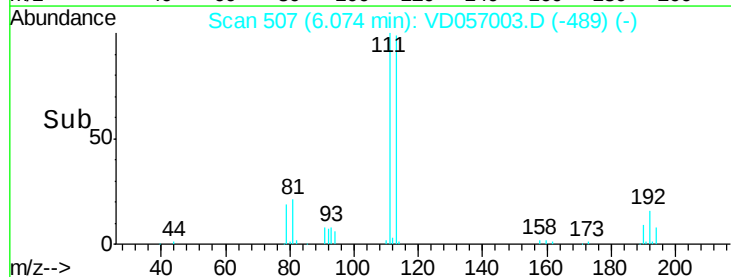
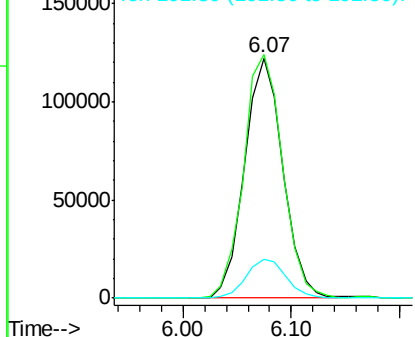


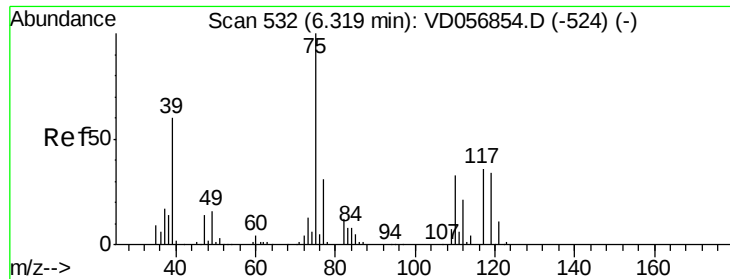
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.07 min Scan# 507
 Delta R.T. -0.02 min
 Lab File: VD057003.D
 Acq: 28 Mar 2018 15:49

Tgt Ion:113 Resp: 301866
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.5 122.3
 192 16.3 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

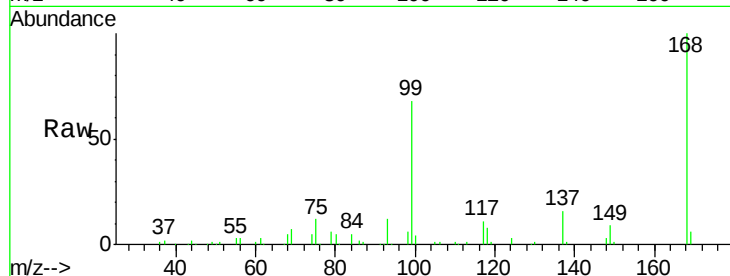




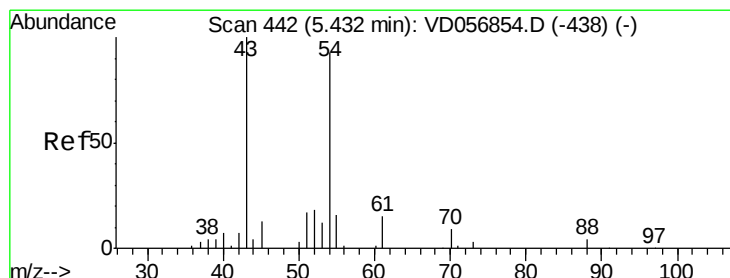
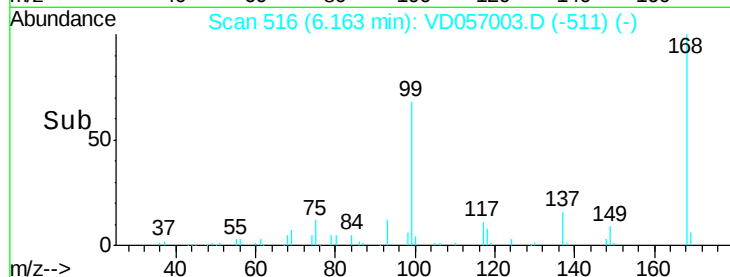
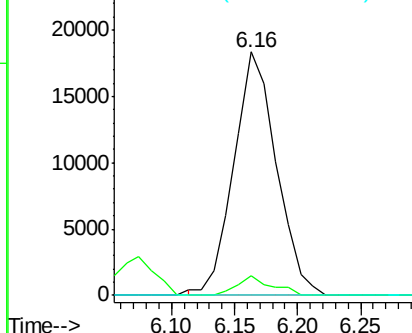
#36
 1,1-Dichloropropene
 Concen: 5.32 ug/l
 RT: 6.16 min Scan# 516
 Delta R.T. -0.15 min
 Lab File: VD057003.D
 Acq: 28 Mar 2018 15:49

Instrument :
 MSVOA_X
 ClientSampleId :
 TEC-RCA-SAMPLE2-VOC1

Tgt Ion: 75 Resp: 42917
 Ion Ratio Lower Upper
 75 100
 110 8.0 15.9 47.6#
 77 0.0 23.8 35.6#

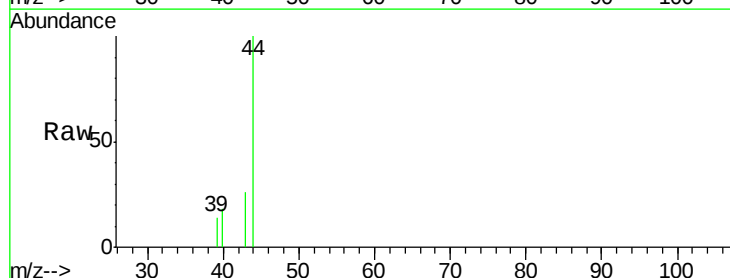


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

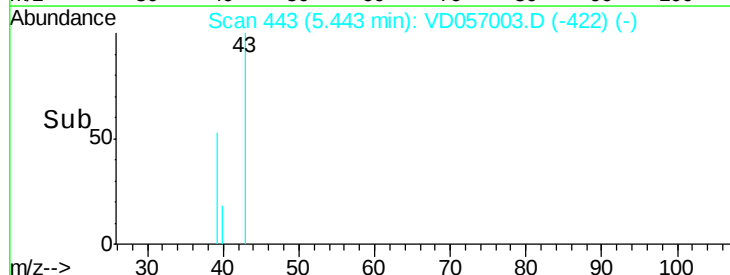
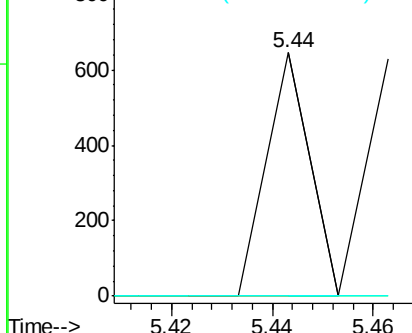


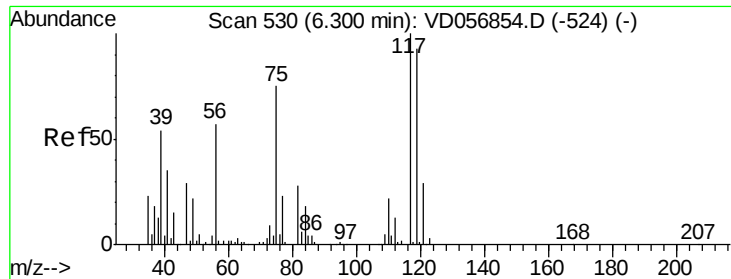
#37
 Ethyl Acetate
 Concen: 1.64 ug/l
 RT: 5.44 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VD057003.D
 Acq: 28 Mar 2018 15:49

Tgt Ion: 43 Resp: 382
 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

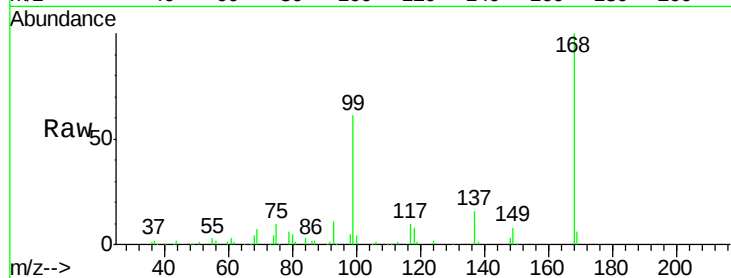




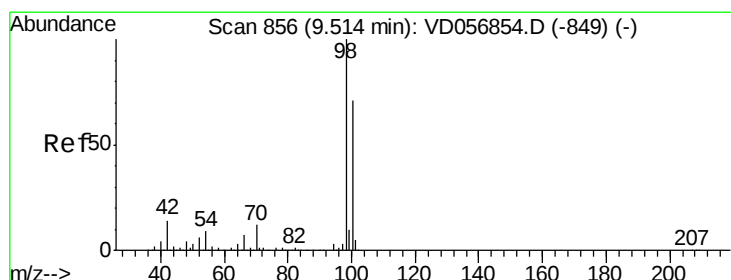
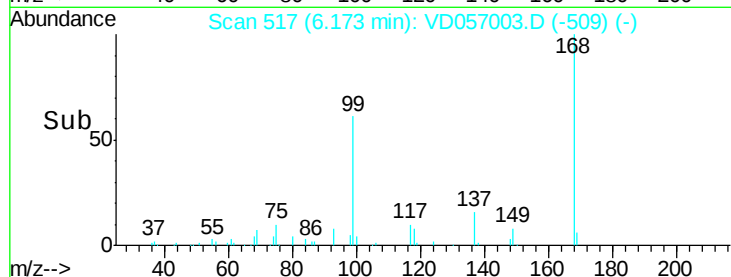
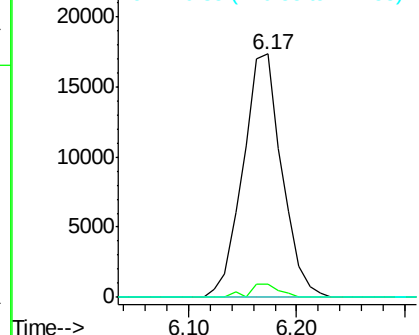
#38
Carbon Tetrachloride
Concen: 6.27 ug/l
RT: 6.17 min Scan# 517
Delta R.T. -0.12 min
Lab File: VD057003.D
Acq: 28 Mar 2018 15:49

Instrument :
MSVOA_X
ClientSampleId :
TEC-RCA-SAMPLE2-VOC1

Tgt Ion:117 Resp: 43429
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.6 37.0#

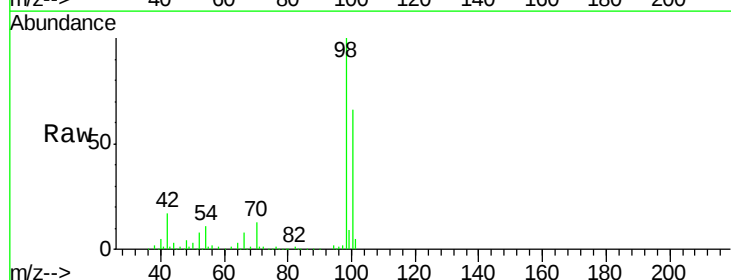


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

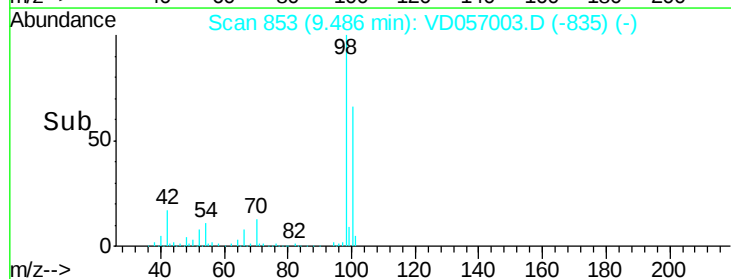
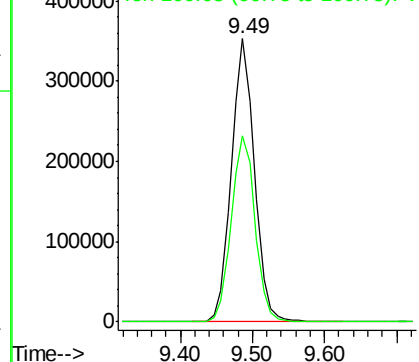


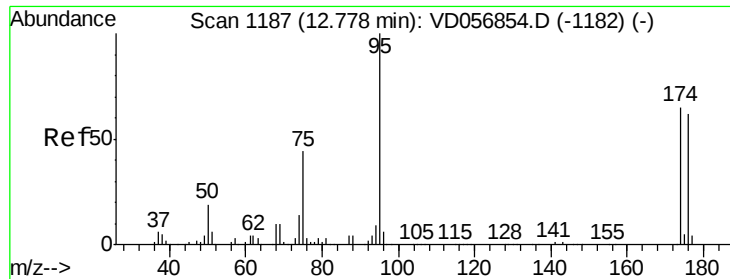
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.49 min Scan# 853
Delta R.T. -0.02 min
Lab File: VD057003.D
Acq: 28 Mar 2018 15:49

Tgt Ion: 98 Resp: 786107
Ion Ratio Lower Upper
98 100
100 65.8 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: VD057003.D

Acq: 28 Mar 2018 15:49

Instrument :

MSVOA_X

ClientSampleId :

TEC-RCA-SAMPLE2-VOC1

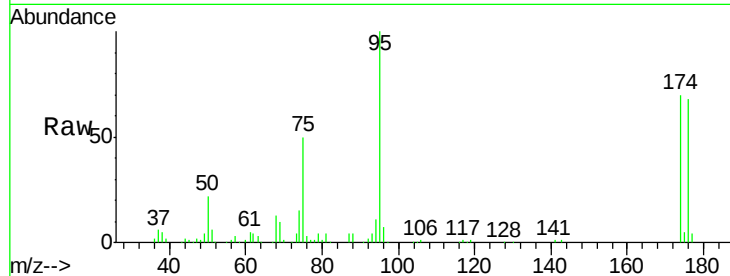
Tgt Ion: 95 Resp: 253633

Ion Ratio Lower Upper

95 100

174 69.8 0.0 143.6

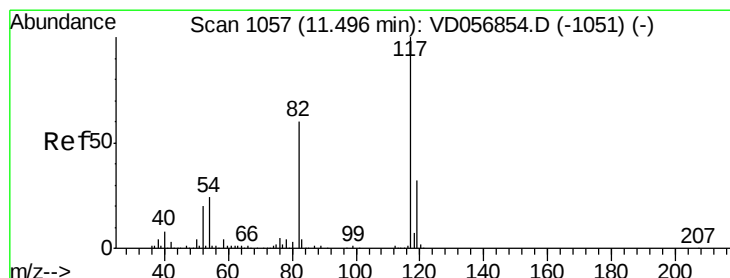
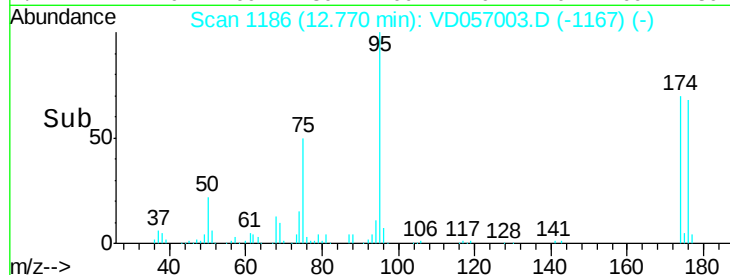
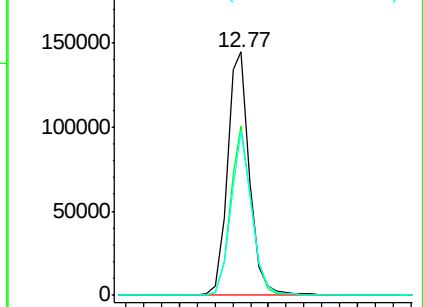
176 67.5 0.0 141.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.48 min Scan# 1055

Delta R.T. -0.02 min

Lab File: VD057003.D

Acq: 28 Mar 2018 15:49

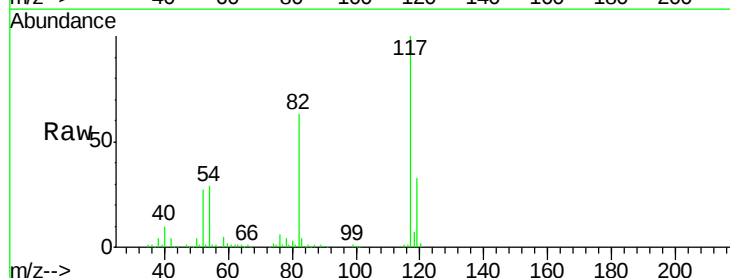
Tgt Ion: 117 Resp: 532431

Ion Ratio Lower Upper

117 100

82 63.4 46.2 69.4

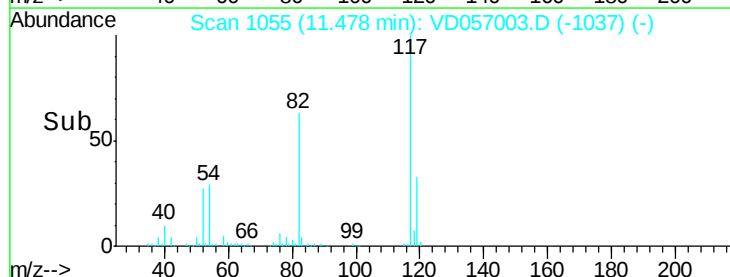
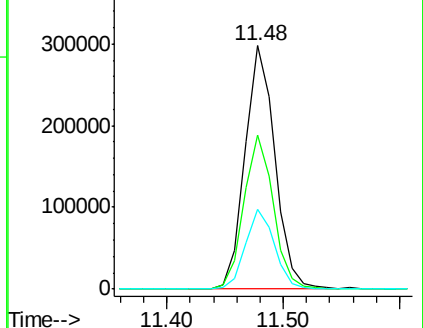
119 32.7 25.8 38.6

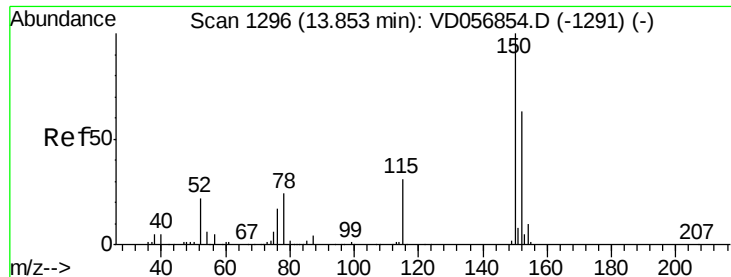


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD057003.D

Acq: 28 Mar 2018 15:49

Instrument :

MSVOA_X

ClientSampleId :

TEC-RCA-SAMPLE2-VOC1

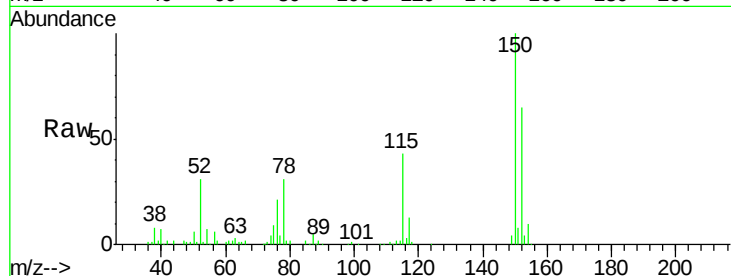
Tgt Ion:152 Resp: 149424

Ion Ratio Lower Upper

152 100

115 65.1 31.2 93.6

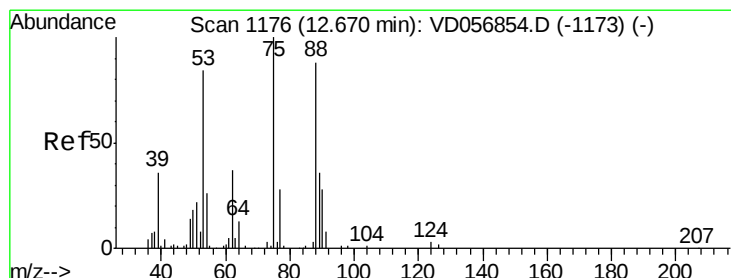
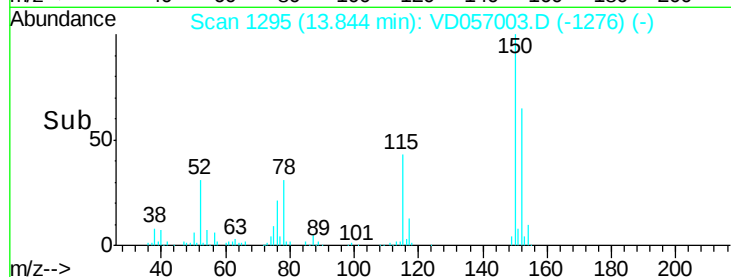
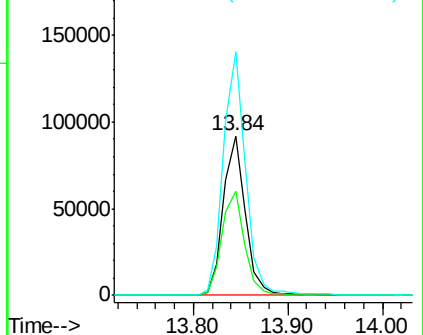
150 152.8 0.0 334.8



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: 157.17 ug/l

RT: 12.77 min Scan# 1186

Delta R.T. 0.09 min

Lab File: VD057003.D

Acq: 28 Mar 2018 15:49

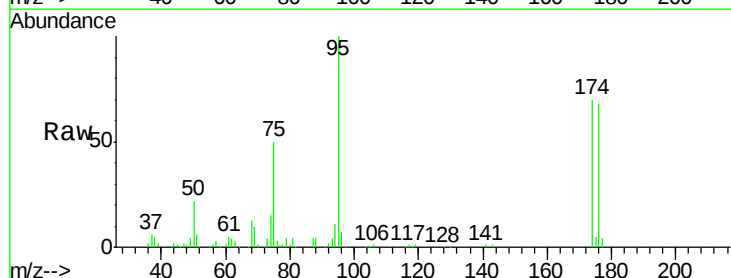
Tgt Ion: 75 Resp: 128545

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 31.6 47.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

