

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD032818\
 Data File : VD057000.D
 Acq On : 28 Mar 2018 14:24
 Operator : JC/SY
 Sample : J2066-01
 Misc : 6.18g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RO-CV-2036

Quant Time: Mar 29 05:51:26 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	6.16	168	20539	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.30	114	42549	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.48	117	28005	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.84	152	6875	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.57	65	27067	118.13	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	236.26%	
35) Dibromofluoromethane	6.06	113	22028	72.91	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	145.82%	
50) Toluene-d8	9.48	98	36672	39.45	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	78.90%	
62) 4-Bromofluorobenzene	12.76	95	12981	31.93	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	63.86%	

Target Compounds						Qvalue
3) Chloromethane	1.53	50	238	1.62	ug/l	# 42
5) Bromomethane	1.92	94	1385	17.37	ug/l	# 4
6) Chloroethane	1.95	64	194	2.90	ug/l	# 42
9) 1,1,2-Trichlorotrifluoroet	2.63	101	194	1.61	ug/l	# 18
11) Tert butyl alcohol	3.58	59	2927	192.20	ug/l	# 73
12) 1,1-Dichloroethene	2.91	96	183	1.87	ug/l	# 1
13) Acrolein	2.62	56	279	28.65	ug/l	97
14) Allyl chloride	3.25	41	1065	5.11	ug/l	# 67
15) Acrylonitrile	3.72	53	227	4.42	ug/l	# 17
16) Acetone	2.85	43	9008	256.98	ug/l	93
18) Methyl Acetate	3.22	43	1169	16.61	ug/l	# 53
20) Methylene Chloride	3.38	84	5082	52.34	ug/l	92
23) Vinyl Acetate	4.43	43	907	2.08	ug/l	# 79
25) 2-Butanone	5.31	43	2120	26.16	ug/l	# 56
29) Tetrahydrofuran	5.69	42	1325	29.11	ug/l	# 37
31) Cyclohexane	6.16	56	534	Below	Cal	# 37
36) 1,1-Dichloropropene	6.14	75	2007	4.31	ug/l	# 44
37) Ethyl Acetate	5.42	43	222	2.44	ug/l	# 70
38) Carbon Tetrachloride	6.17	117	1795	4.49	ug/l	# 11
41) Methacrylonitrile	5.66	41	191	1.53	ug/l	# 28
51) 4-Methyl-2-Pentanone	9.33	43	428	1.94	ug/l	# 38
52) Toluene	9.57	92	1825	2.44	ug/l	94
59) 2-Hexanone	10.61	43	1864	10.91	ug/l	# 27
68) m/p-Xylenes	11.78	106	1255	3.10	ug/l	74
69) o-Xylene	12.21	106	420	1.07	ug/l	68
74) N-amyl acetate	12.45	43	432	2.18	ug/l	# 47
75) 1,1,2,2-Tetrachloroethane	12.75	83	182	1.55	ug/l	# 25
80) 1,3,5-Trimethylbenzene	13.07	105	1133	2.29	ug/l	73
81) trans-1,4-Dichloro-2-buten	12.76	75	5304	140.95	ug/l	# 18
84) 1,2,4-Trimethylbenzene	13.51	105	4491	9.03	ug/l	98
85) sec-Butylbenzene	13.66	105	1286	1.98	ug/l	# 26
86) p-Isopropyltoluene	13.79	119	706	1.32	ug/l	# 51
89) n-Butylbenzene	14.14	91	864	1.60	ug/l	# 79
90) Hexachloroethane	14.48	117	216	1.76	ug/l	# 18

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Response via : Initial Calibration

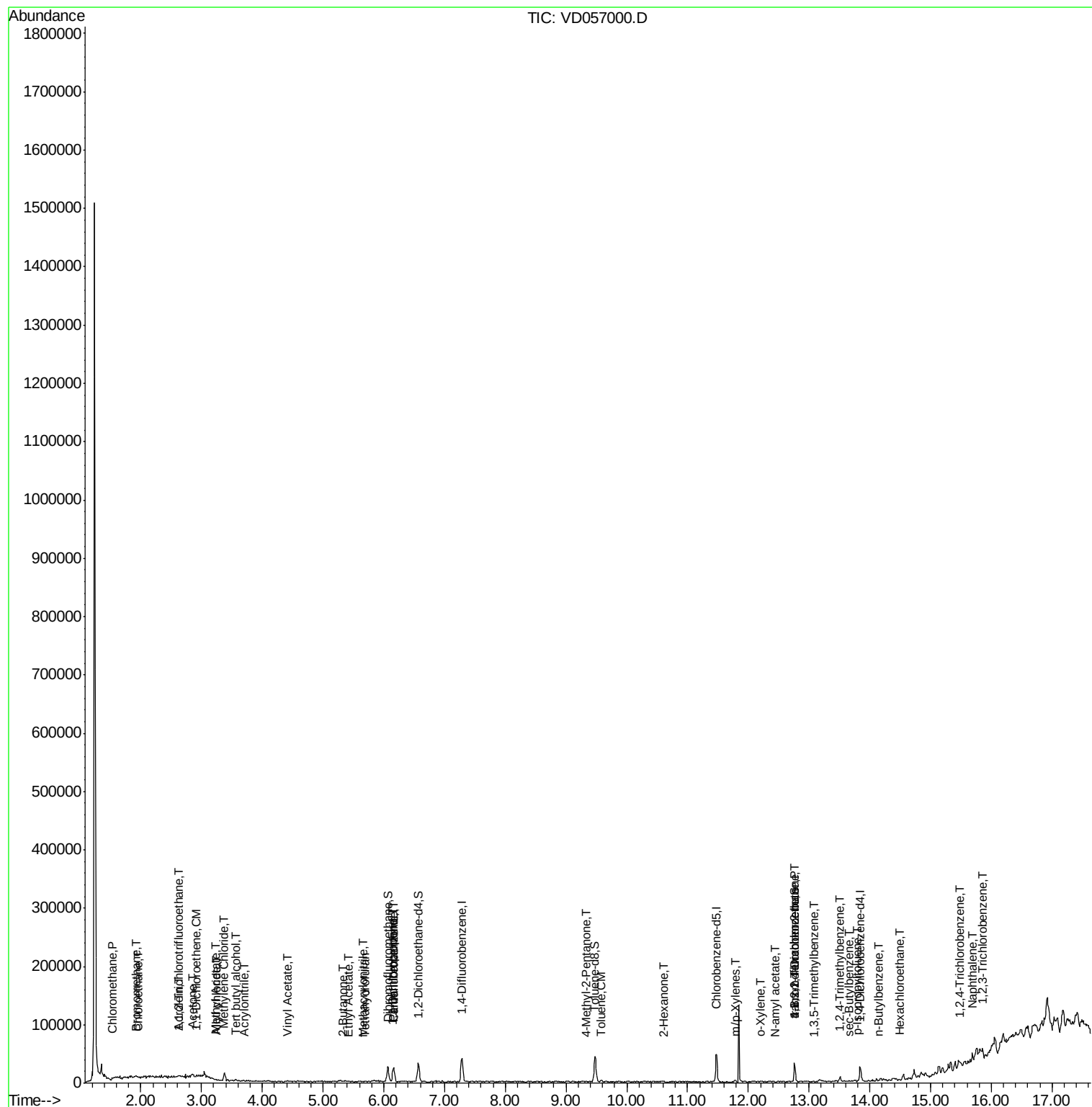
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.49	180	198	1.47	ug/l #	13
95) Naphthalene	15.70	128	6637	27.38	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.86	180	752	6.82	ug/l #	1

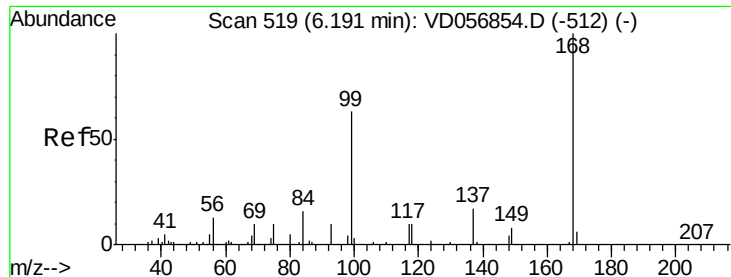
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.16 min Scan# 516

Delta R.T. -0.04 min

Lab File: VD057000.D

Acq: 28 Mar 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

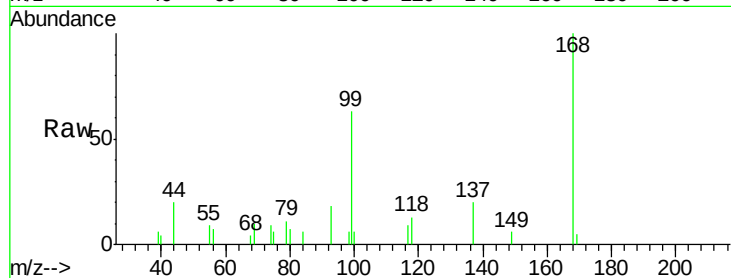
RO-CV-2036

Tgt Ion:168 Resp: 20539

Ion Ratio Lower Upper

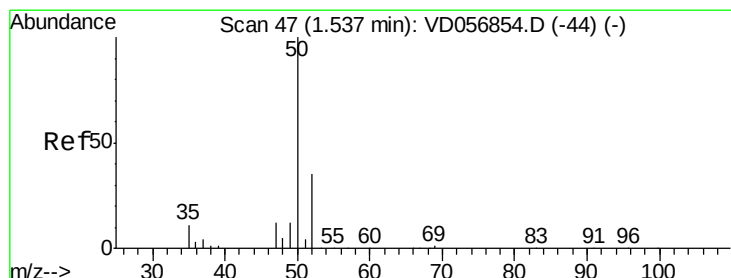
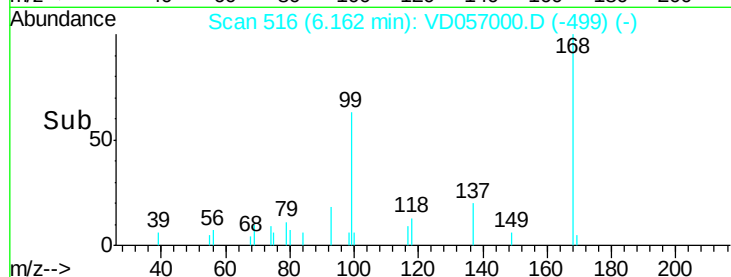
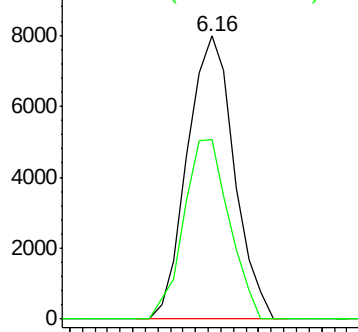
168 100

99 63.3 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 1.62 ug/l

RT: 1.53 min Scan# 46

Delta R.T. -0.02 min

Lab File: VD057000.D

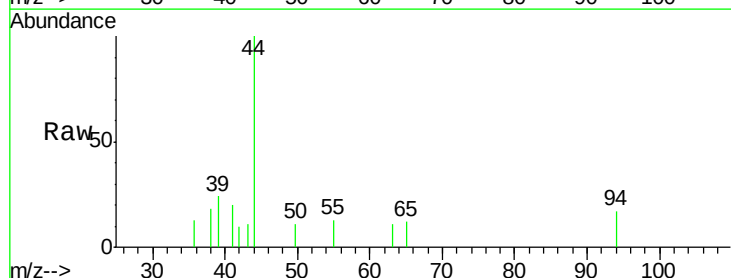
Acq: 28 Mar 2018 14:24

Tgt Ion: 50 Resp: 238

Ion Ratio Lower Upper

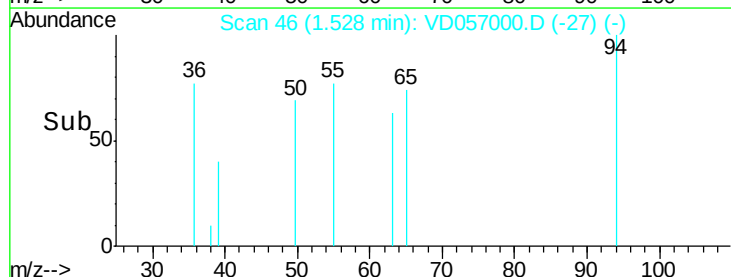
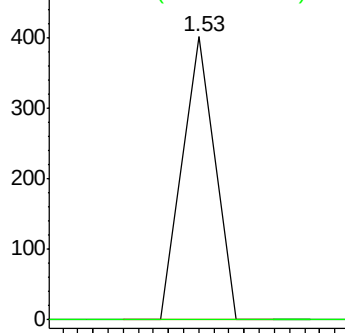
50 100

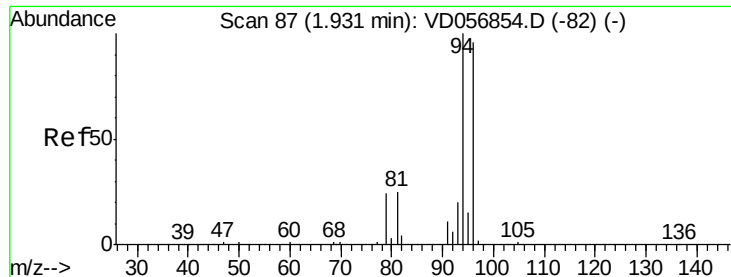
52 0.0 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 17.37 ug/l

RT: 1.92 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD057000.D

Acq: 28 Mar 2018 14:24

Instrument :

MSVOA_X

ClientSampled :

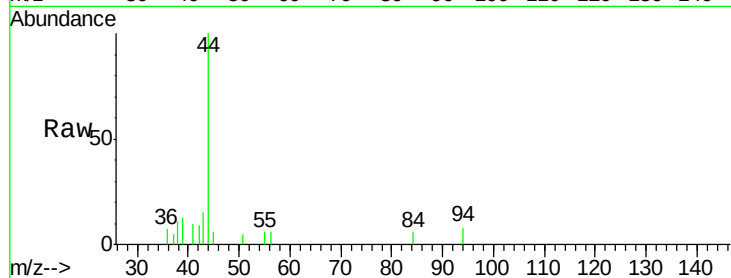
RO-CV-2036

Tgt Ion: 94 Resp: 1385

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

600

500

400

300

200

100

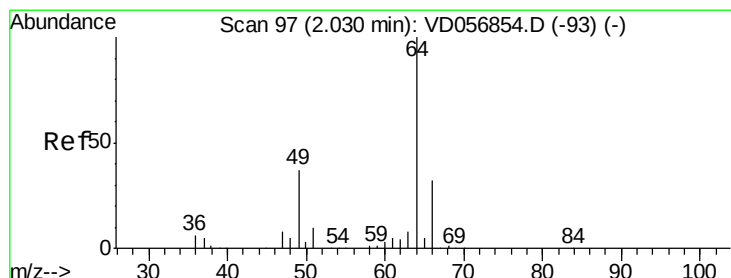
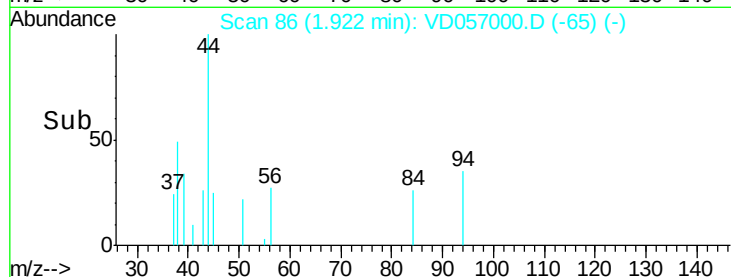
0

1.90

1.92

1.95

Time-->



#6

Chloroethane

Concen: 2.90 ug/l

RT: 1.95 min Scan# 89

Delta R.T. -0.07 min

Lab File: VD057000.D

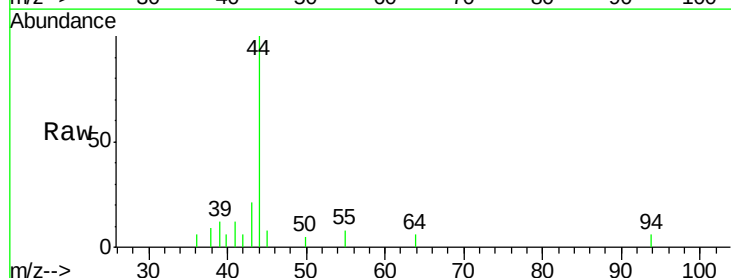
Acq: 28 Mar 2018 14:24

Tgt Ion: 64 Resp: 194

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

300

200

100

0

1.92

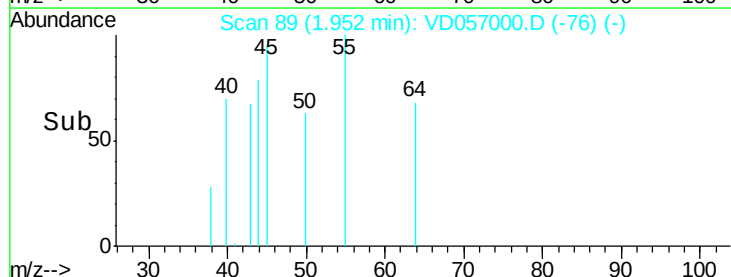
1.94

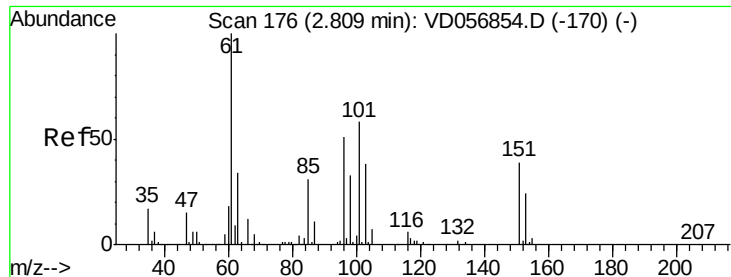
1.95

1.96

1.98

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.61 ug/l

RT: 2.63 min Scan# 158

Delta R.T. -0.18 min

Lab File: VD057000.D

Acq: 28 Mar 2018 14:24

Instrument :

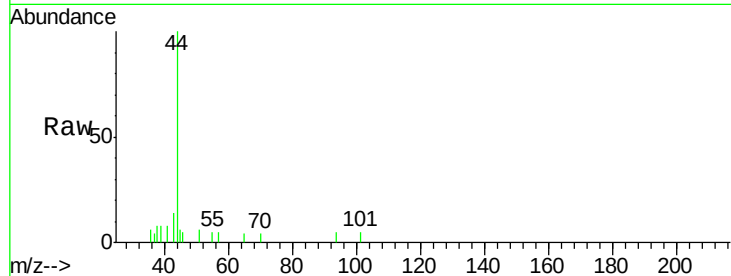
MSVOA_X

ClientSampleId :

RO-CV-2036

Tgt Ion:101 Resp: 194

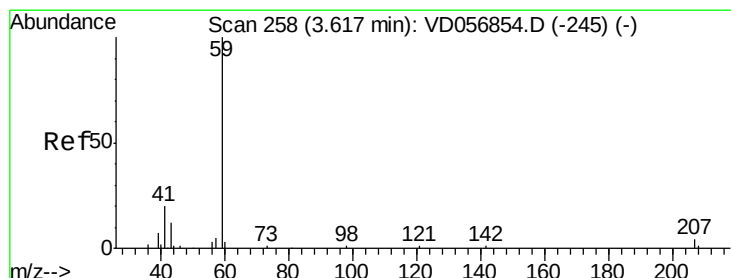
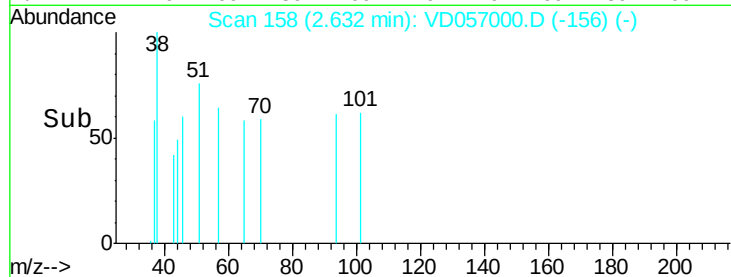
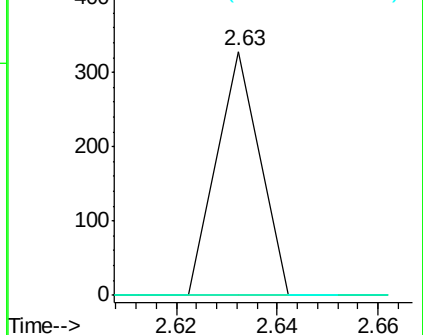
Ion	Ratio	Lower	Upper
101	100		
85	0.0	42.3	63.5#
151	0.0	58.5	87.7#



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



#11

Tert butyl alcohol

Concen: 192.20 ug/l

RT: 3.58 min Scan# 254

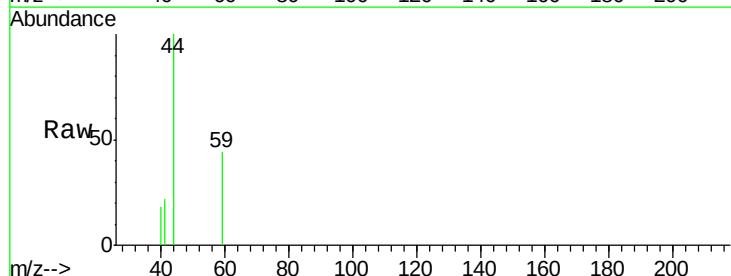
Delta R.T. -0.04 min

Lab File: VD057000.D

Acq: 28 Mar 2018 14:24

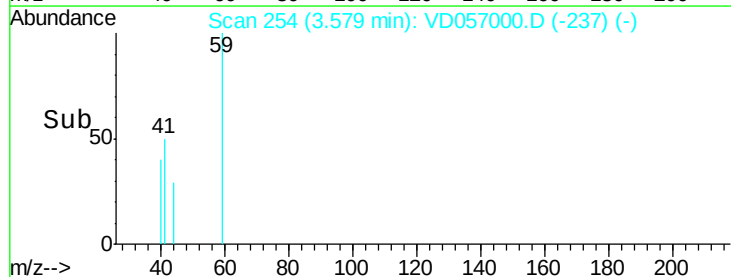
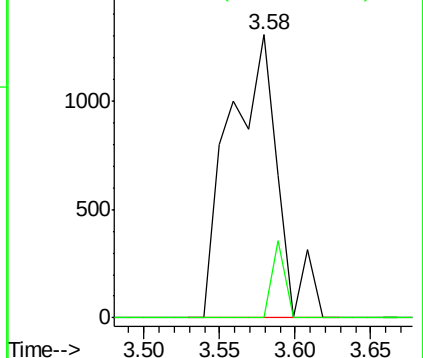
Tgt Ion: 59 Resp: 2927

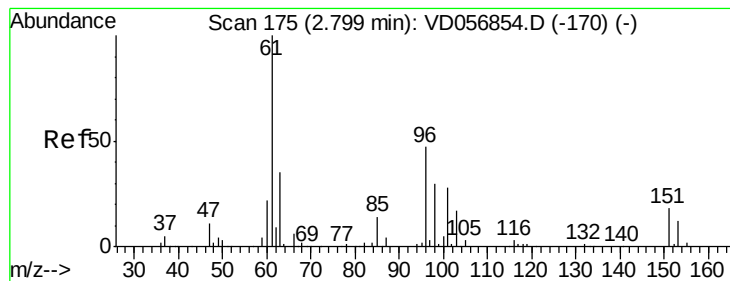
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#12

1,1-Dichloroethene

Concen: 1.87 ug/l

RT: 2.91 min Scan# 186

Delta R.T. 0.11 min

Lab File: VD057000.D

Acq: 28 Mar 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

RO-CV-2036

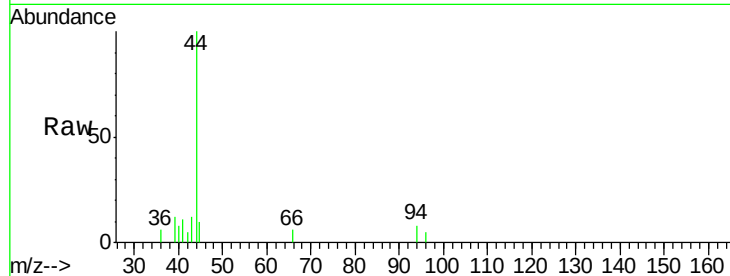
Tgt Ion: 96 Resp: 183

Ion Ratio Lower Upper

96 100

61 0.0 172.2 258.4#

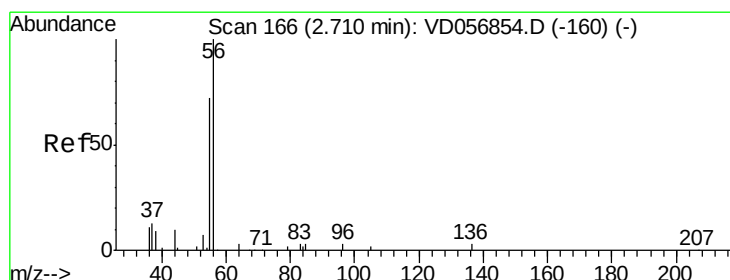
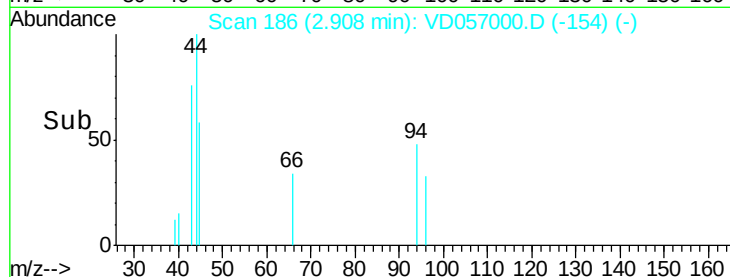
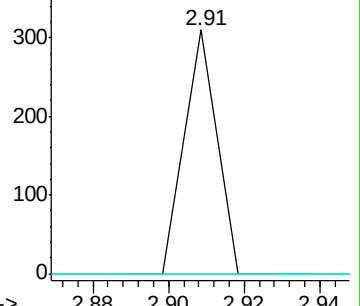
98 0.0 49.4 74.0#



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: 28.65 ug/l

RT: 2.62 min Scan# 157

Delta R.T. -0.08 min

Lab File: VD057000.D

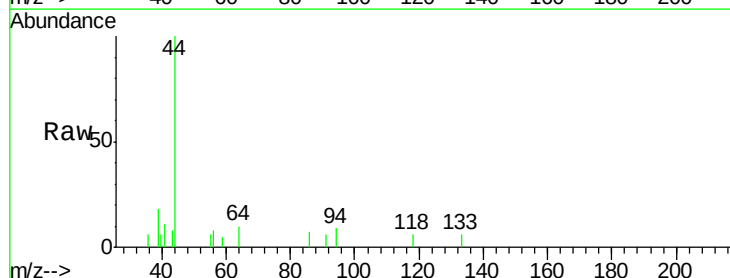
Acq: 28 Mar 2018 14:24

Tgt Ion: 56 Resp: 279

Ion Ratio Lower Upper

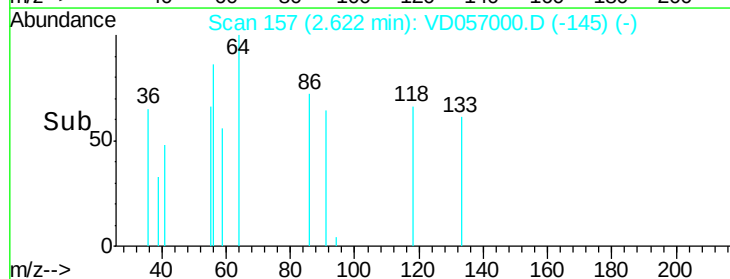
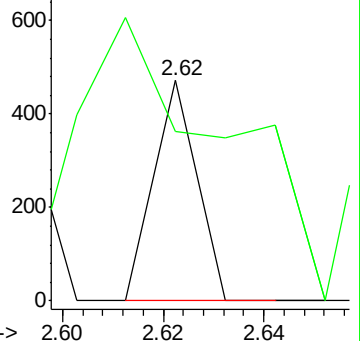
56 100

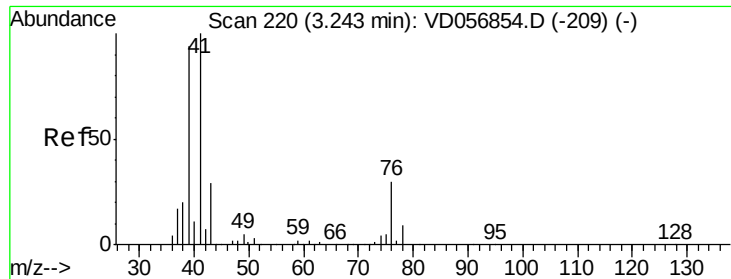
55 76.7 63.2 94.8



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

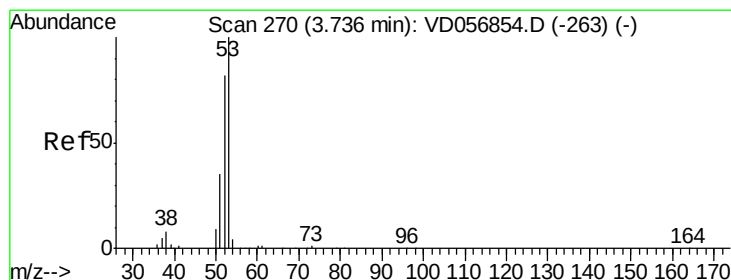
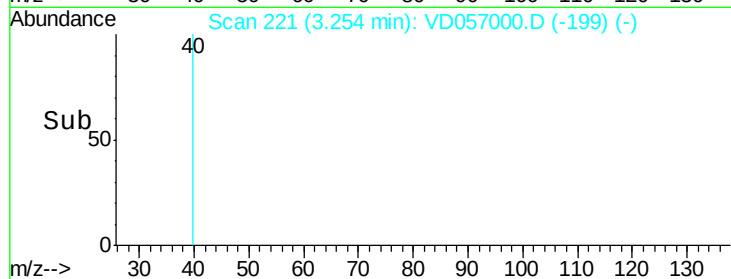
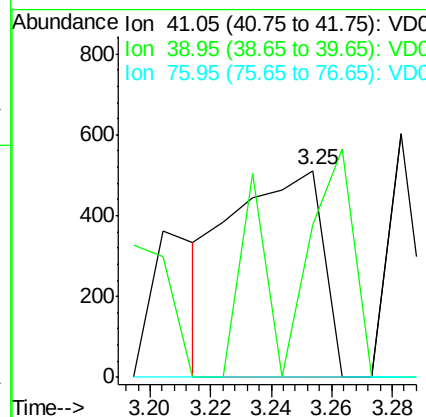
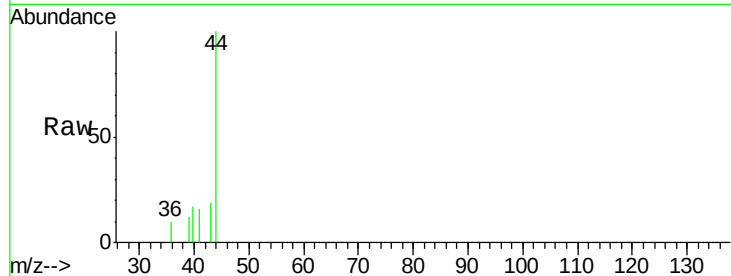




#14
 Allyl chloride
 Concen: 5.11 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VD057000.D
 Acq: 28 Mar 2018 14:24

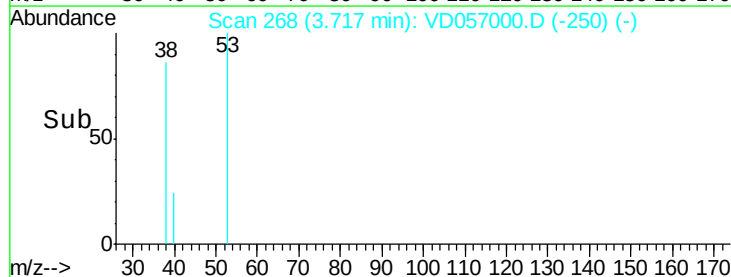
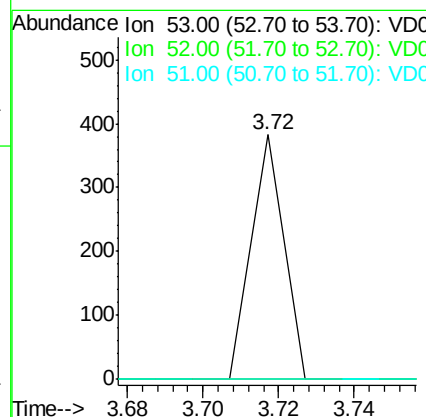
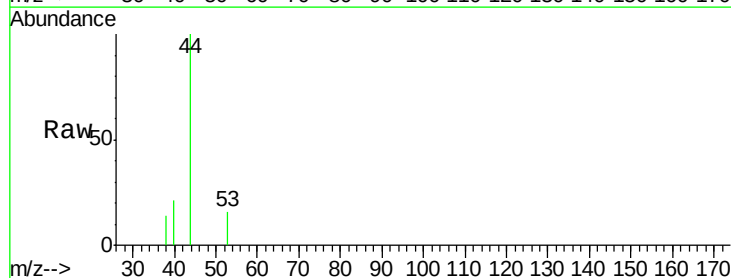
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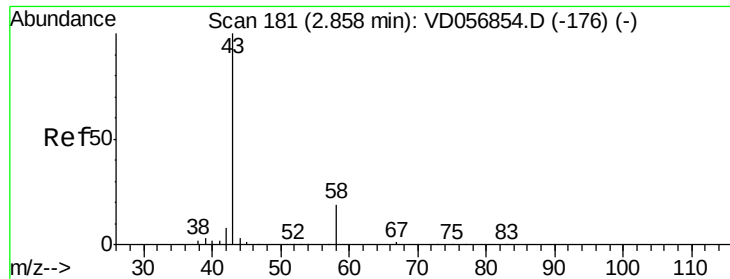
Tgt Ion: 41 Resp: 1065
 Ion Ratio Lower Upper
 41 100
 39 74.0 81.0 121.6#
 76 0.0 22.9 34.3#



#15
 Acrylonitrile
 Concen: 4.42 ug/l
 RT: 3.72 min Scan# 268
 Delta R.T. -0.03 min
 Lab File: VD057000.D
 Acq: 28 Mar 2018 14:24

Tgt Ion: 53 Resp: 227
 Ion Ratio Lower Upper
 53 100
 52 0.0 66.2 99.2#
 51 0.0 29.6 44.4#





#16

Acetone

Concen: 256.98 ug/l

RT: 2.85 min Scan# 180

Delta R.T. -0.02 min

Lab File: VD057000.D

Acq: 28 Mar 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

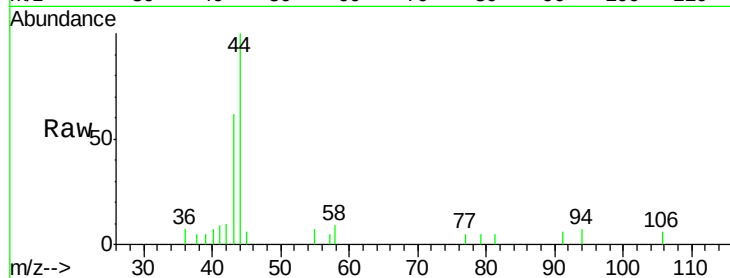
RO-CV-2036

Tgt Ion: 43 Resp: 9008

Ion Ratio Lower Upper

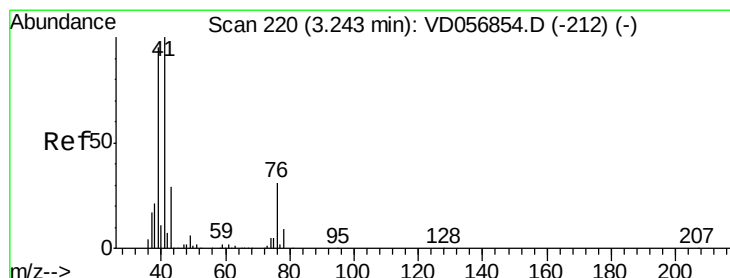
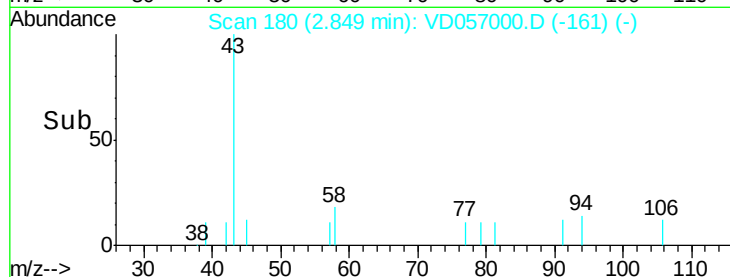
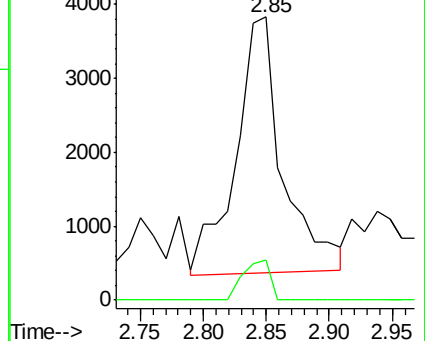
43 100

58 14.0 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: 16.61 ug/l

RT: 3.22 min Scan# 218

Delta R.T. -0.03 min

Lab File: VD057000.D

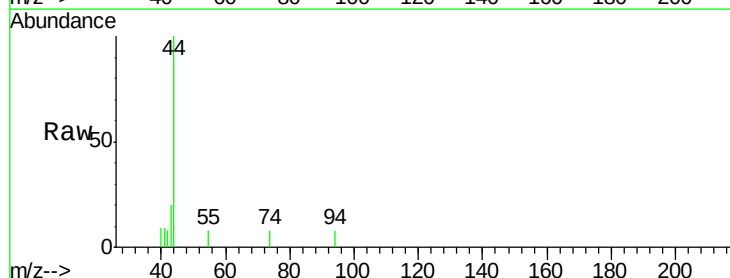
Acq: 28 Mar 2018 14:24

Tgt Ion: 43 Resp: 1169

Ion Ratio Lower Upper

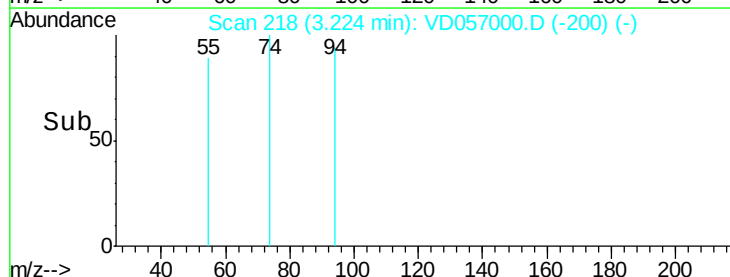
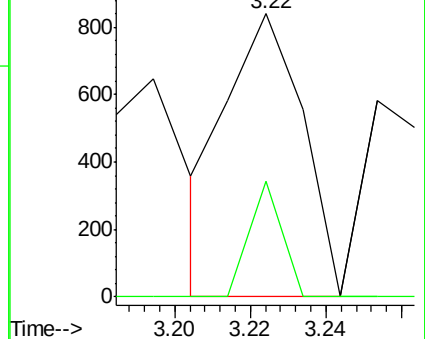
43 100

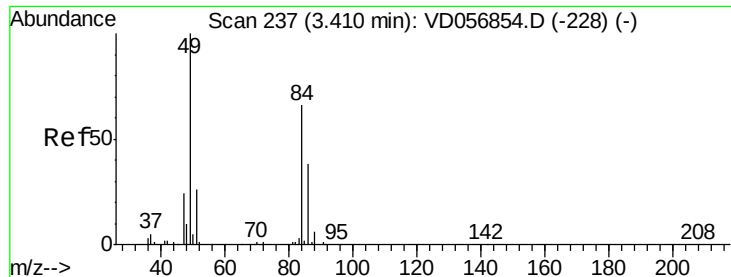
74 41.1 15.6 23.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

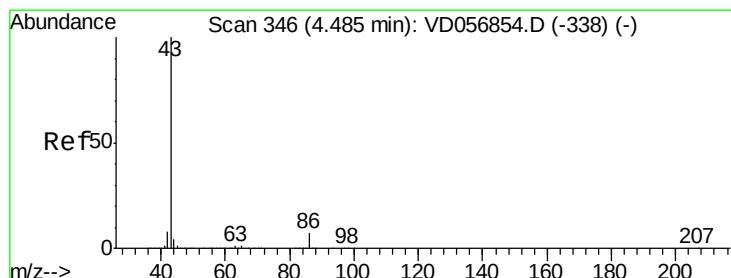
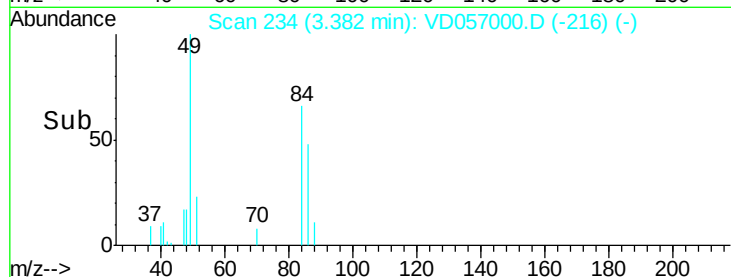
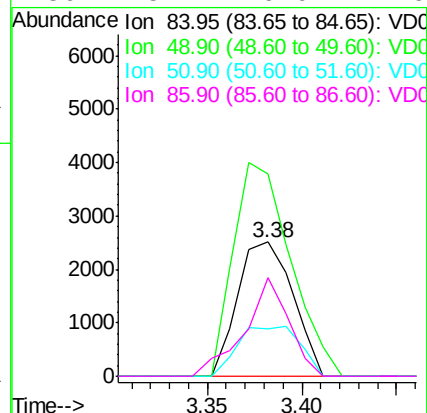
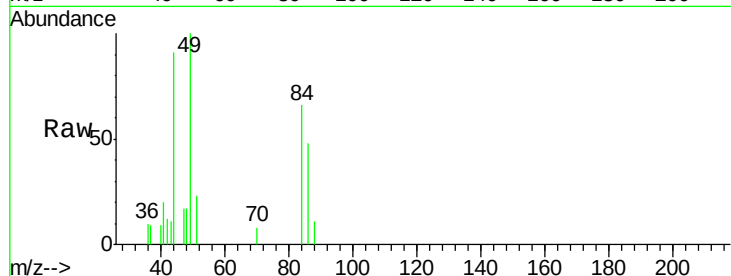




#20
Methylene Chloride
Concen: 52.34 ug/l
RT: 3.38 min Scan# 234
Delta R.T. -0.03 min
Lab File: VD057000.D
Acq: 28 Mar 2018 14:24

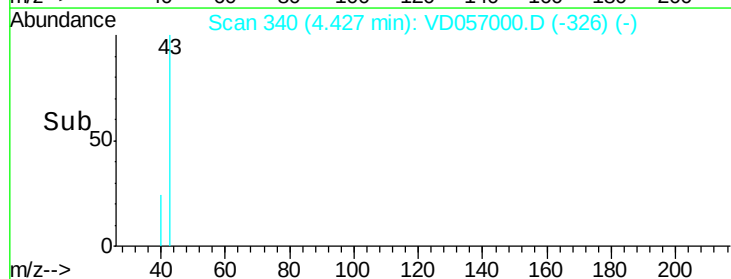
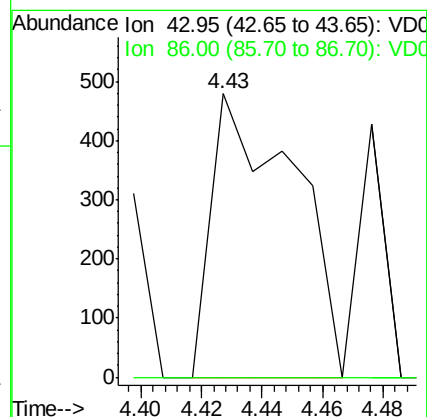
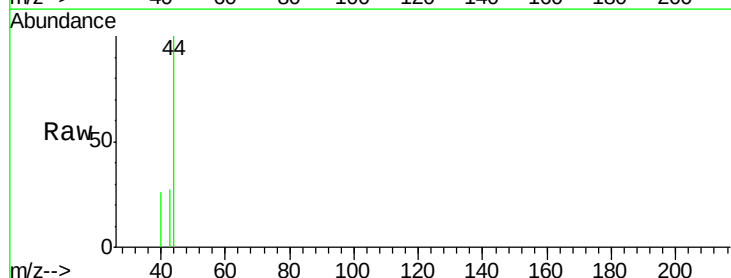
Instrument :
MSVOA_X
ClientSampleId :
RO-CV-2036

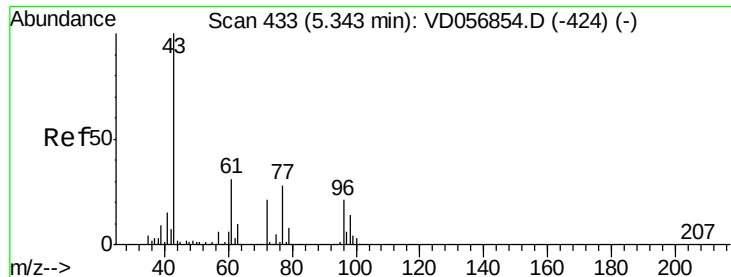
Tgt Ion:	84	Resp:	5082
Ion	Ratio	Lower	Upper
84	100		
49	150.9	124.5	186.7
51	35.2	35.1	52.7
86	73.1	49.9	74.9



#23
Vinyl Acetate
Concen: 2.08 ug/l
RT: 4.43 min Scan# 340
Delta R.T. -0.06 min
Lab File: VD057000.D
Acq: 28 Mar 2018 14:24

Tgt Ion:	43	Resp:	907
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.8	8.6#





#25

2-Butanone

Concen: 26.16 ug/l

RT: 5.31 min Scan# 430

Delta R.T. -0.03 min

Lab File: VD057000.D

Acq: 28 Mar 2018 14:24

Instrument :

MSVOA_X

ClientSampled :

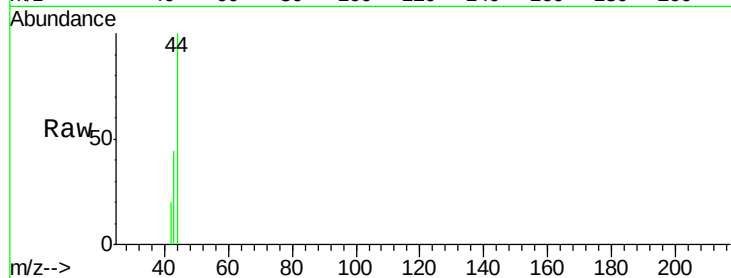
RO-CV-2036

Tgt Ion: 43 Resp: 2120

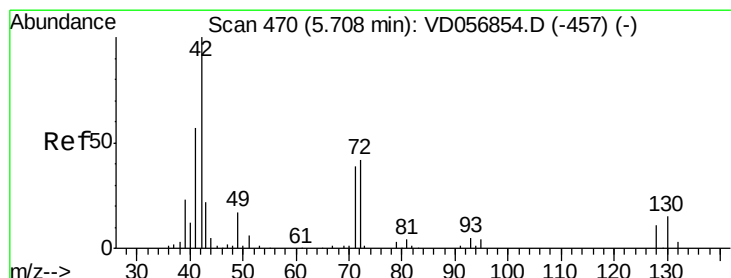
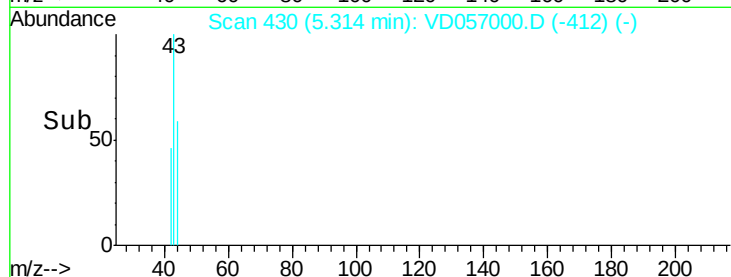
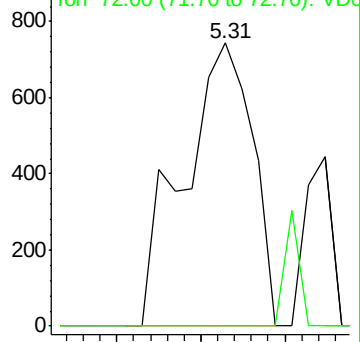
Ion Ratio Lower Upper

43 100

72 0.0 16.6 24.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC



#29

Tetrahydrofuran

Concen: 29.11 ug/l

RT: 5.69 min Scan# 468

Delta R.T. -0.03 min

Lab File: VD057000.D

Acq: 28 Mar 2018 14:24

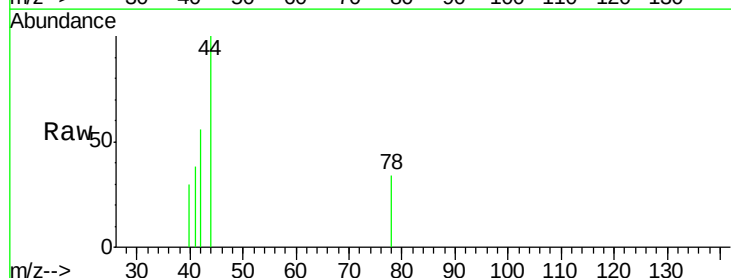
Tgt Ion: 42 Resp: 1325

Ion Ratio Lower Upper

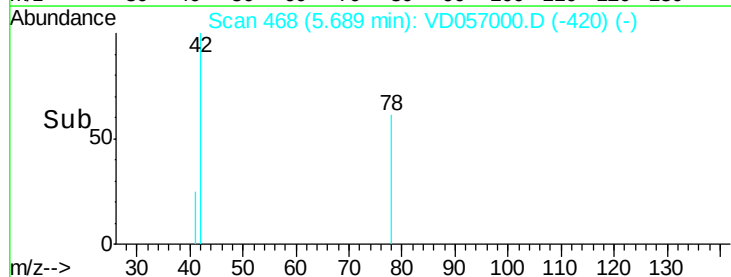
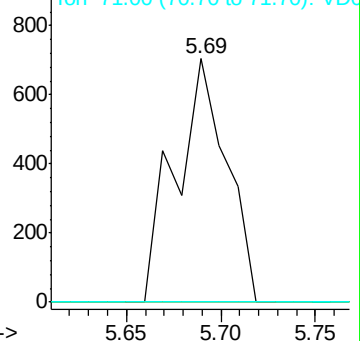
42 100

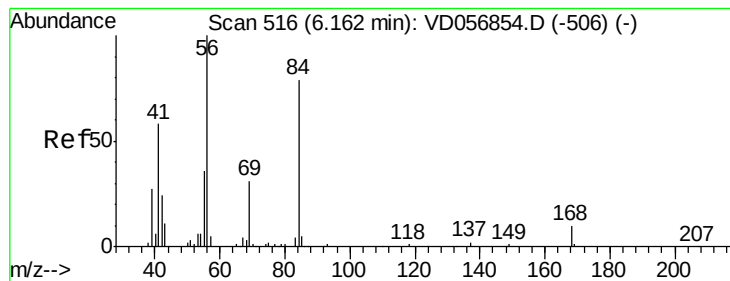
72 0.0 30.9 46.3#

71 0.0 30.4 45.6#



Abundance Ion 42.00 (41.70 to 42.70): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 6.16 min Scan# 516

Delta R.T. 0.00 min

Lab File: VD057000.D

Acq: 28 Mar 2018 14:24

Instrument :

MSVOA_X

ClientSampled :

RO-CV-2036

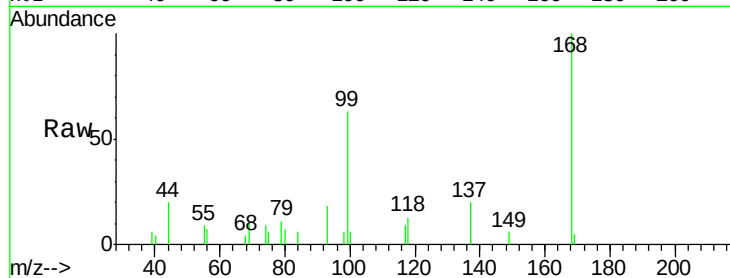
Tgt Ion: 56 Resp: 534

Ion Ratio Lower Upper

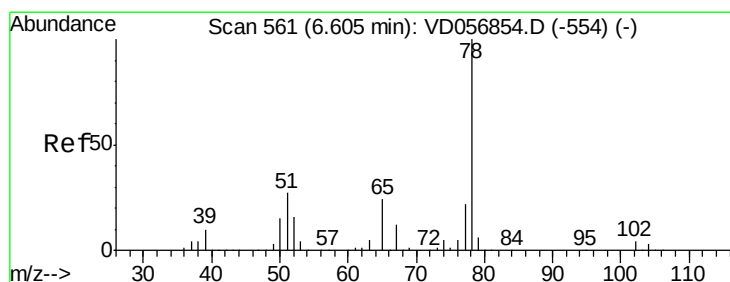
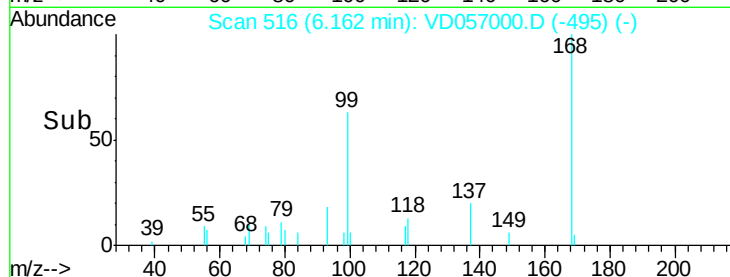
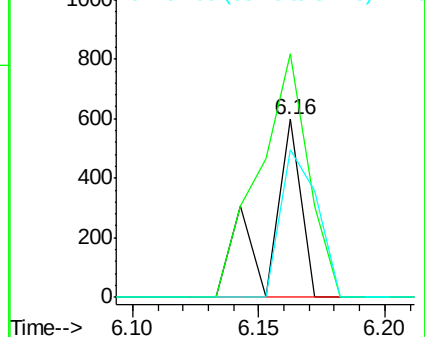
56 100

69 137.0 23.1 34.7#

84 83.1 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: 6.57 min Scan# 557

Delta R.T. -0.04 min

Lab File: VD057000.D

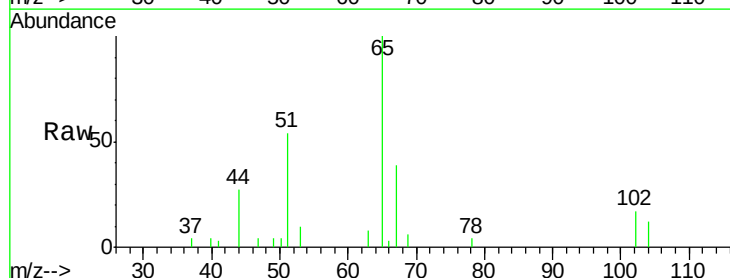
Acq: 28 Mar 2018 14:24

Tgt Ion: 65 Resp: 27067

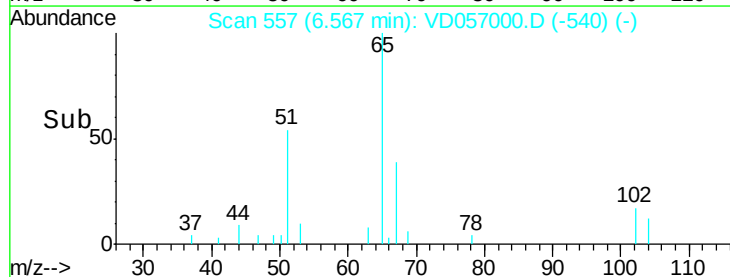
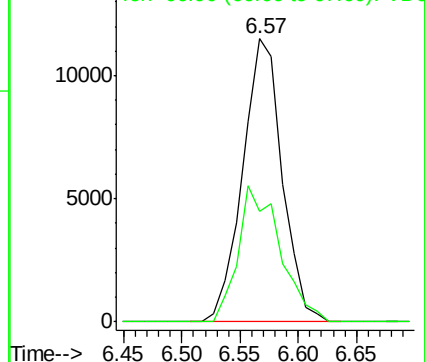
Ion Ratio Lower Upper

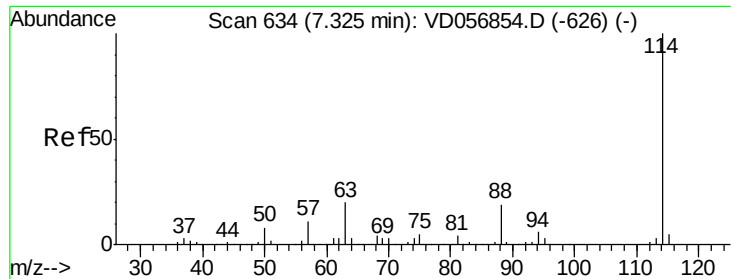
65 100

67 38.9 0.0 104.4



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

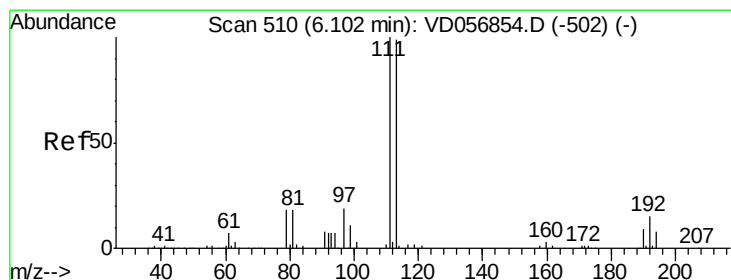
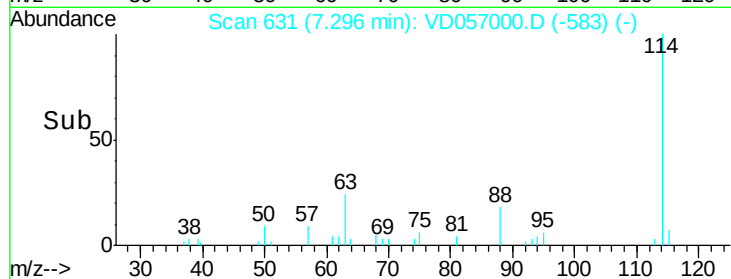
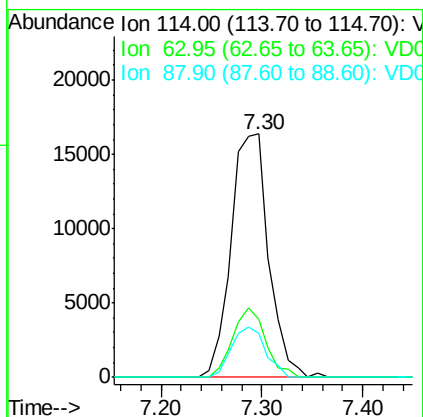
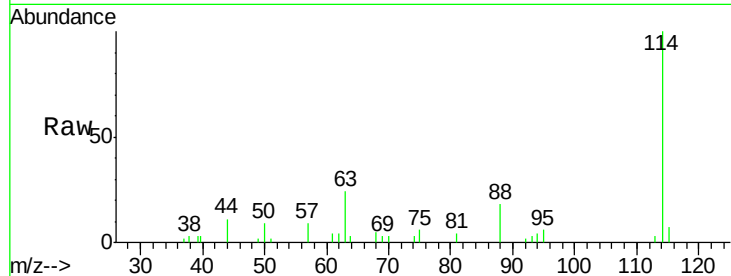




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.30 min Scan# 631
 Delta R.T. -0.03 min
 Lab File: VD057000.D
 Acq: 28 Mar 2018 14:24

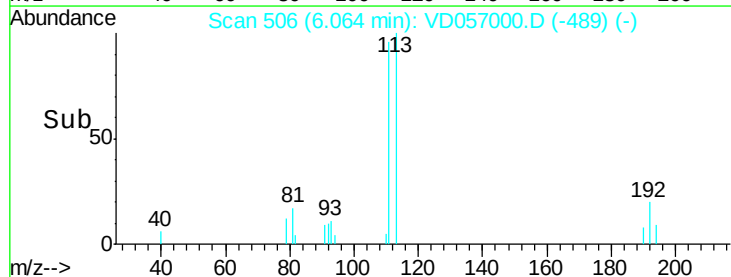
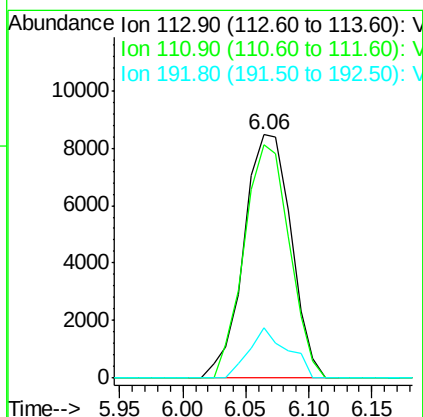
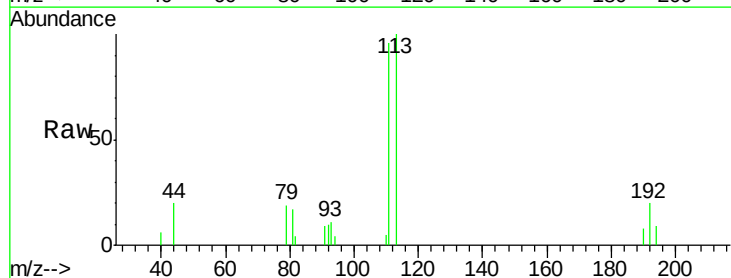
Instrument :
 MSVOA_X
 ClientSampleId :
 RO-CV-2036

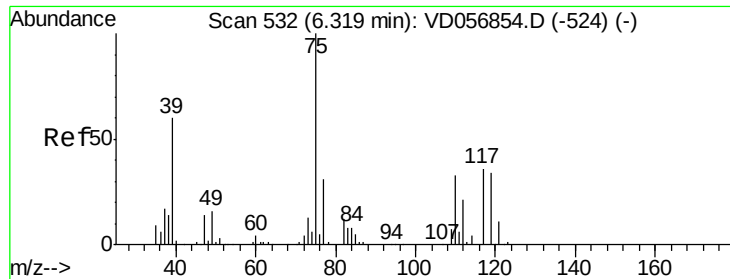
Tgt Ion:114 Resp: 42549
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 42.6
 88 18.1 0.0 35.2



#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.06 min Scan# 506
 Delta R.T. -0.04 min
 Lab File: VD057000.D
 Acq: 28 Mar 2018 14:24

Tgt Ion:113 Resp: 22028
 Ion Ratio Lower Upper
 113 100
 111 96.0 81.5 122.3
 192 20.4 12.6 19.0#

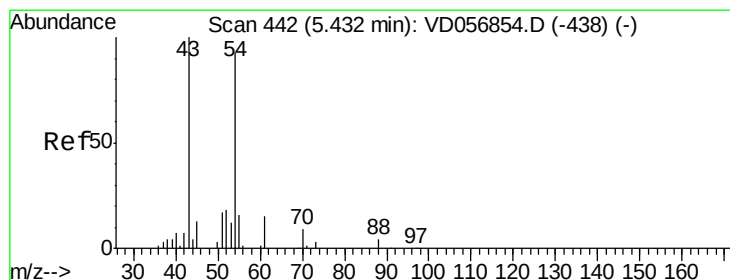
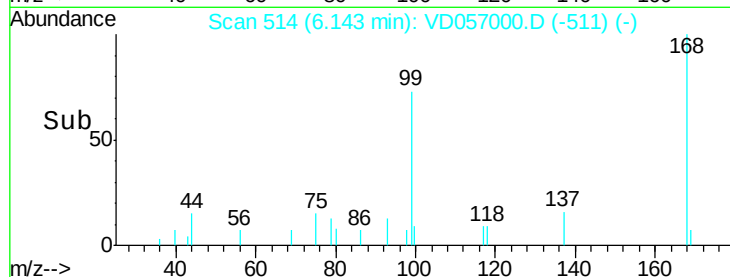
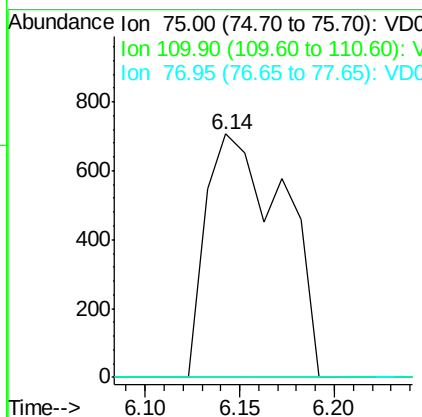
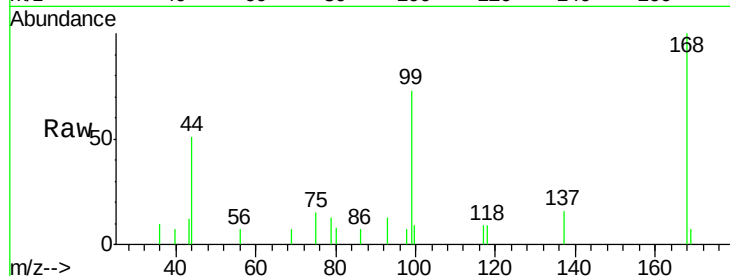




#36
 1,1-Dichloropropene
 Concen: 4.31 ug/l
 RT: 6.14 min Scan# 514
 Delta R.T. -0.17 min
 Lab File: VD057000.D
 Acq: 28 Mar 2018 14:24

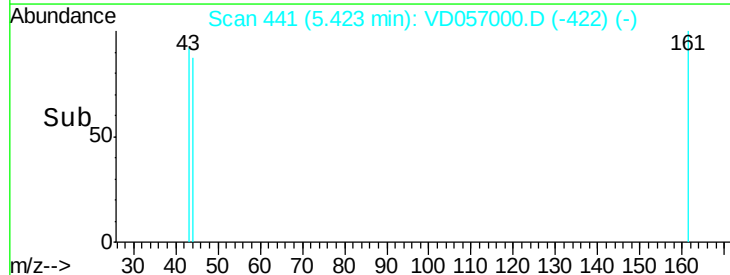
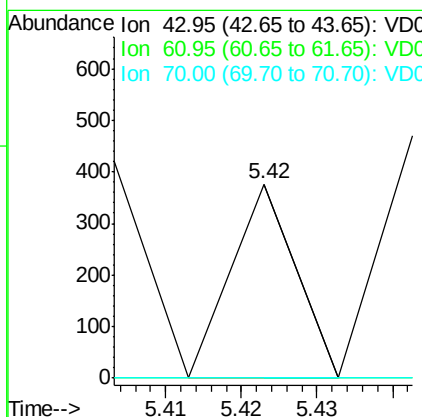
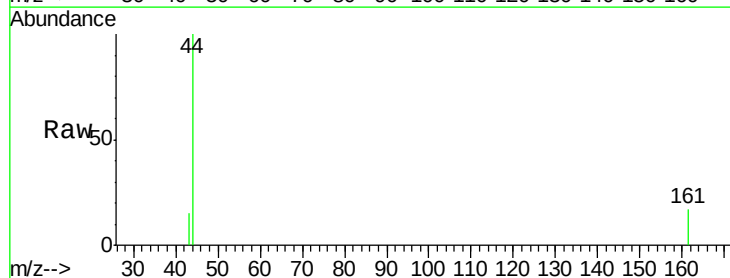
Instrument :
 MSVOA_X
 ClientSampleId :
 RO-CV-2036

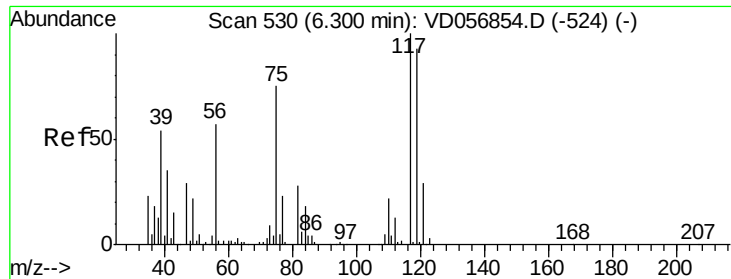
Tgt Ion: 75 Resp: 2007
 Ion Ratio Lower Upper
 75 100
 110 0.0 15.9 47.6#
 77 0.0 23.8 35.6#



#37
 Ethyl Acetate
 Concen: 2.44 ug/l
 RT: 5.42 min Scan# 441
 Delta R.T. -0.02 min
 Lab File: VD057000.D
 Acq: 28 Mar 2018 14:24

Tgt Ion: 43 Resp: 222
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.0 15.0#
 70 0.0 7.9 11.9#





#38

Carbon Tetrachloride

Concen: 4.49 ug/l

RT: 6.17 min Scan# 517

Delta R.T. -0.12 min

Lab File: VD057000.D

Acq: 28 Mar 2018 14:24

Instrument :

MSVOA_X

ClientSampled :

RO-CV-2036

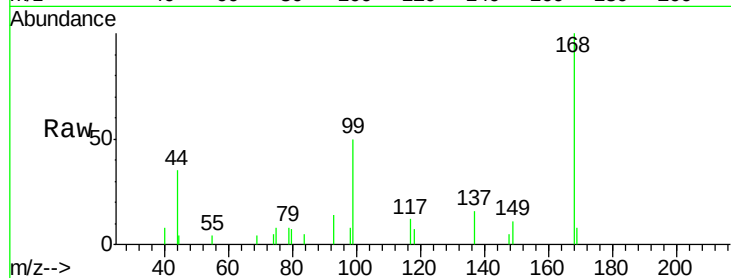
Tgt Ion:117 Resp: 1795

Ion Ratio Lower Upper

117 100

119 0.0 78.2 117.2#

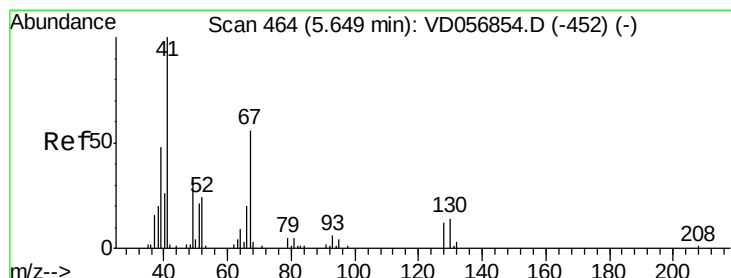
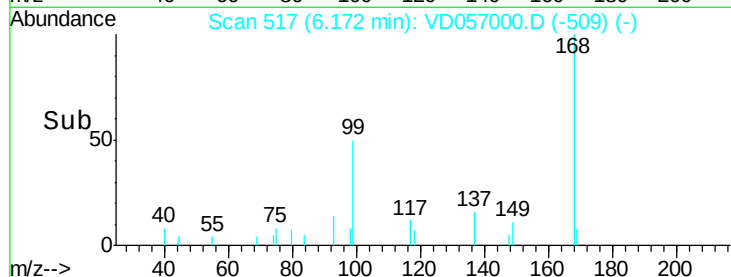
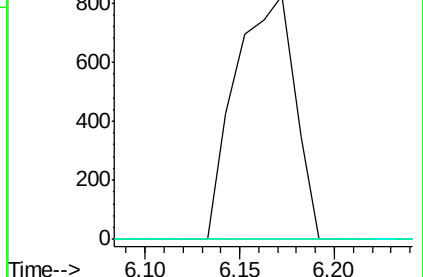
121 0.0 24.6 37.0#



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: 1.53 ug/l

RT: 5.66 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD057000.D

Acq: 28 Mar 2018 14:24

Tgt Ion: 41 Resp: 191

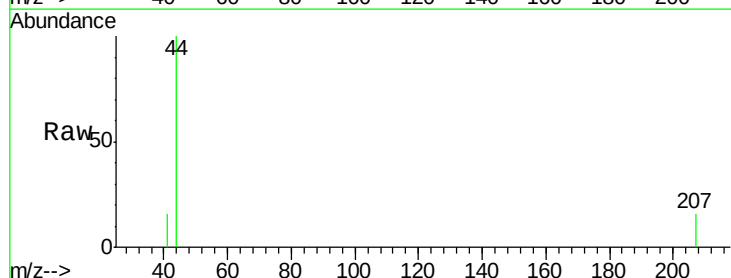
Ion Ratio Lower Upper

41 100

39 0.0 43.0 64.4#

67 0.0 48.3 72.5#

52 0.0 17.4 26.2#

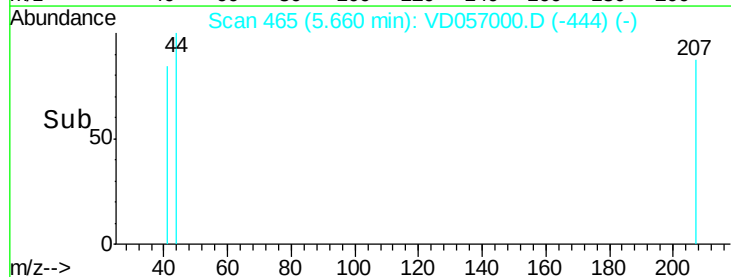
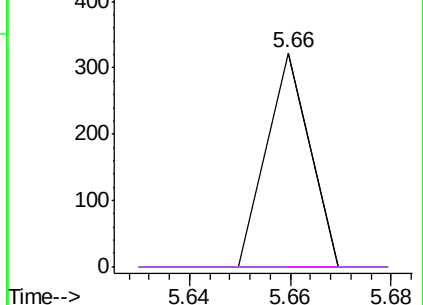


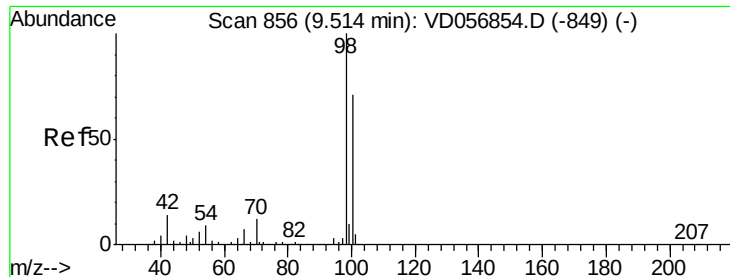
Abundance Ion 40.95 (40.65 to 41.65): VDC

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

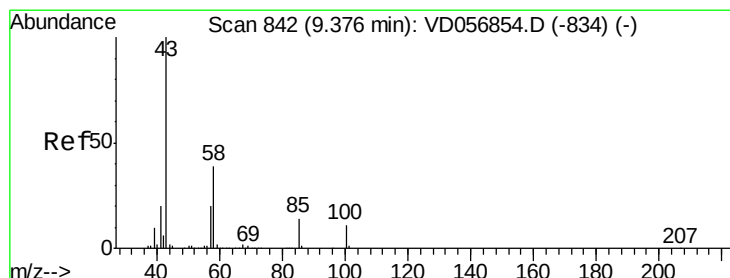
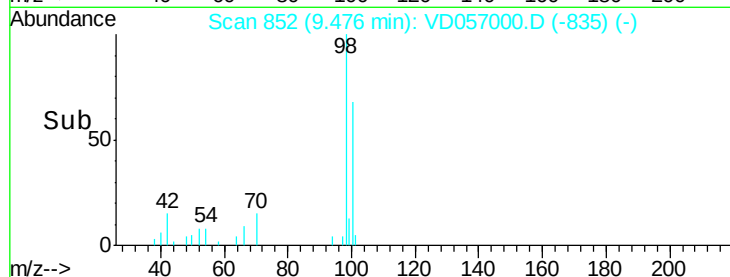
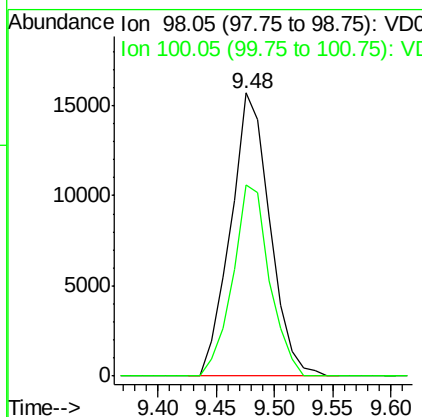
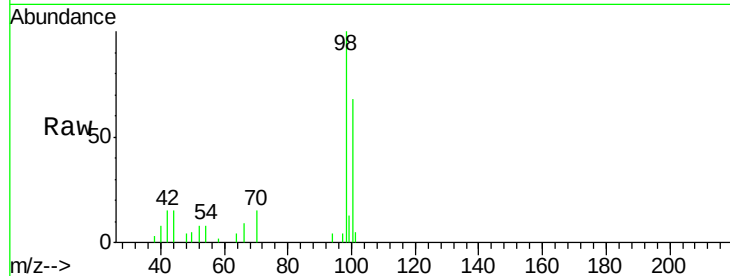




#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.48 min Scan# 852
Delta R.T. -0.04 min
Lab File: VD057000.D
Acq: 28 Mar 2018 14:24

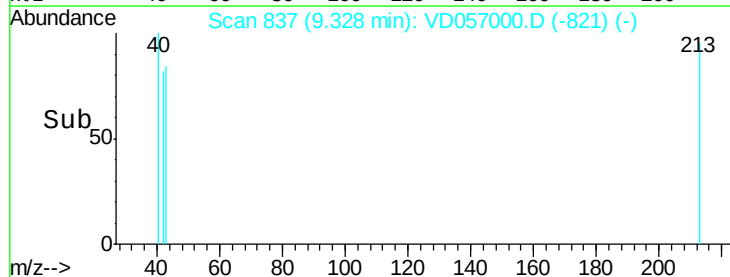
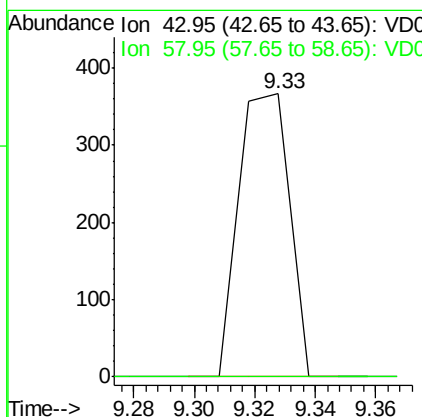
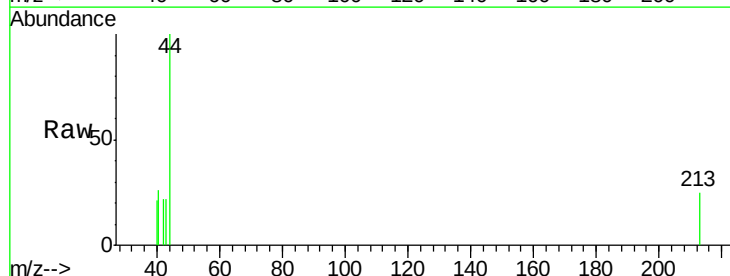
Instrument :
MSVOA_X
ClientSampleId :
RO-CV-2036

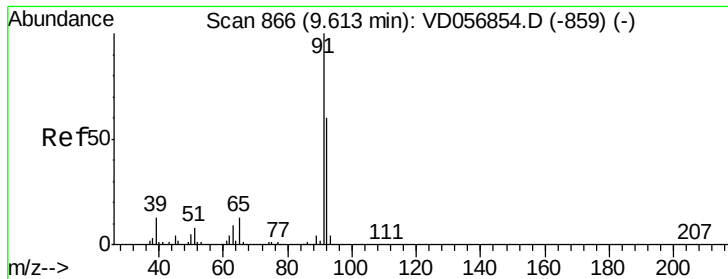
Tgt Ion: 98 Resp: 36672
Ion Ratio Lower Upper
98 100
100 67.5 56.2 84.4



#51
4-Methyl-2-Pentanone
Concen: 1.94 ug/l
RT: 9.33 min Scan# 837
Delta R.T. -0.05 min
Lab File: VD057000.D
Acq: 28 Mar 2018 14:24

Tgt Ion: 43 Resp: 428
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.2#





#52

Toluene

Concen: 2.44 ug/l

RT: 9.57 min Scan# 862

Delta R.T. -0.05 min

Lab File: VD057000.D

Acq: 28 Mar 2018 14:24

Instrument :

MSVOA_X

ClientSampled :

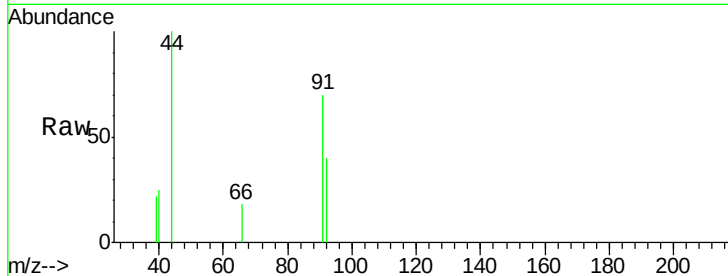
RO-CV-2036

Tgt Ion: 92 Resp: 1825

Ion Ratio Lower Upper

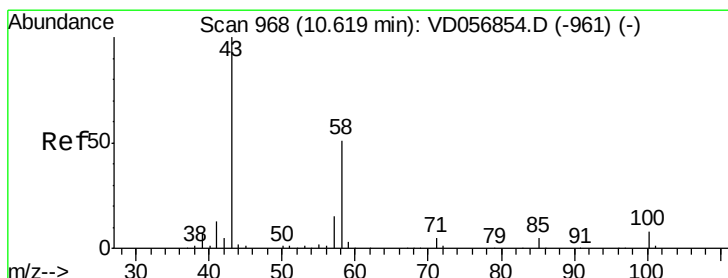
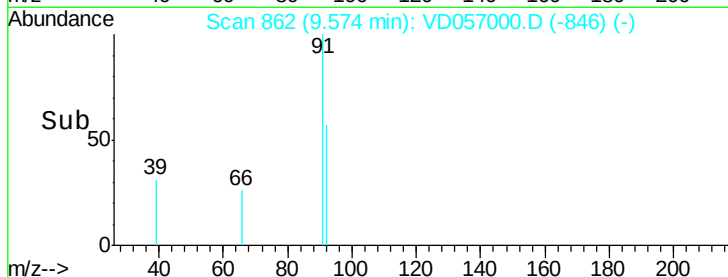
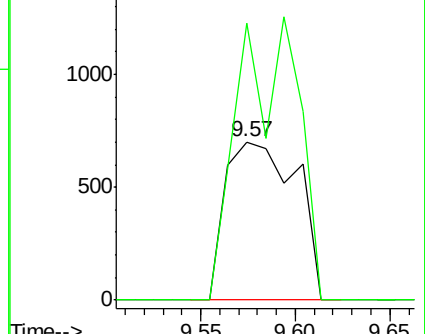
92 100

91 175.3 133.5 200.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#59

2-Hexanone

Concen: 10.91 ug/l

RT: 10.61 min Scan# 967

Delta R.T. -0.01 min

Lab File: VD057000.D

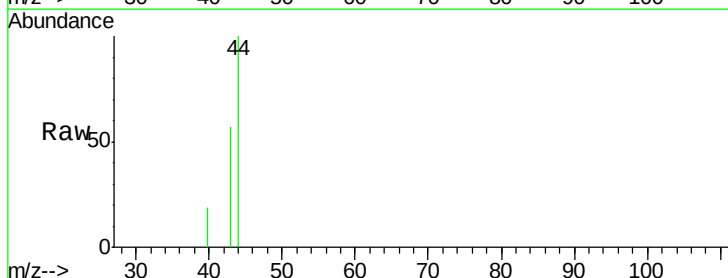
Acq: 28 Mar 2018 14:24

Tgt Ion: 43 Resp: 1864

Ion Ratio Lower Upper

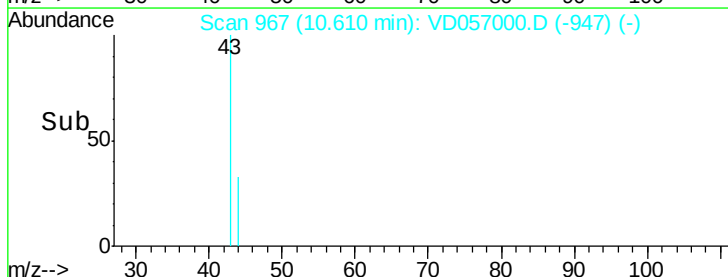
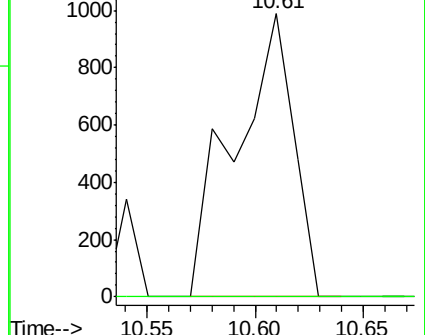
43 100

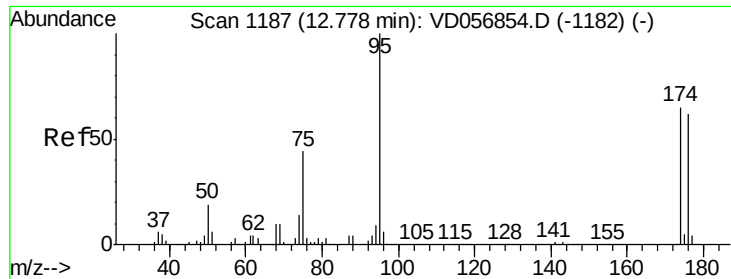
58 0.0 25.1 75.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

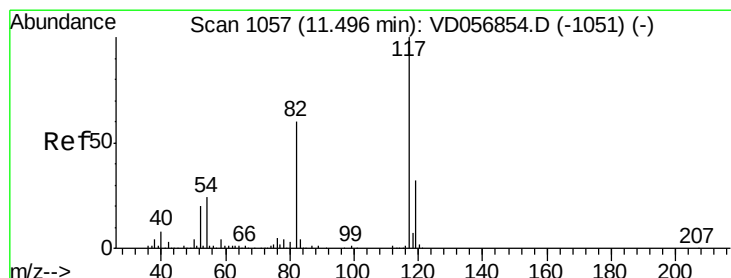
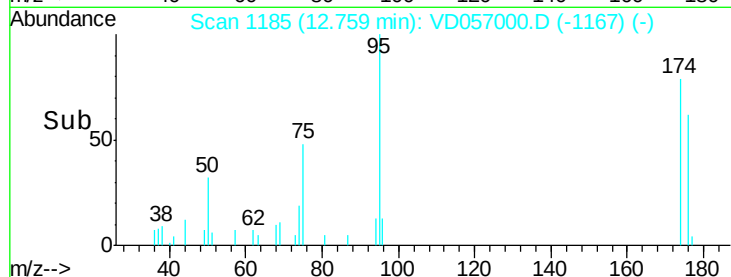
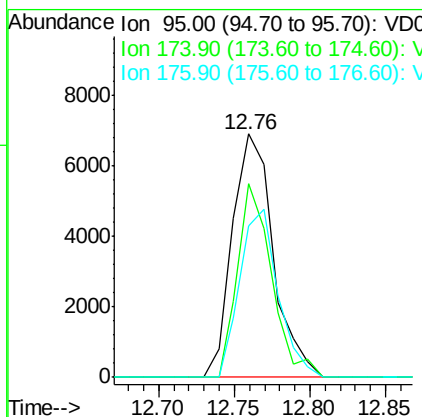
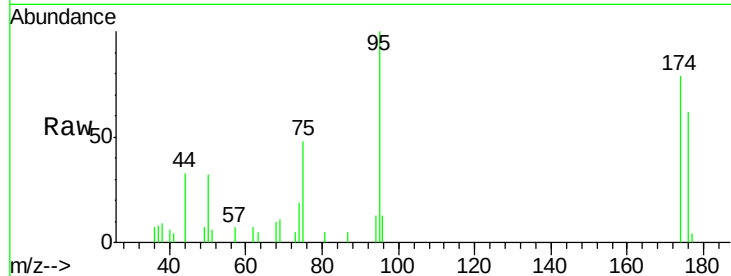




#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 12.76 min Scan# 1185
 Delta R.T. -0.03 min
 Lab File: VD057000.D
 Acq: 28 Mar 2018 14:24

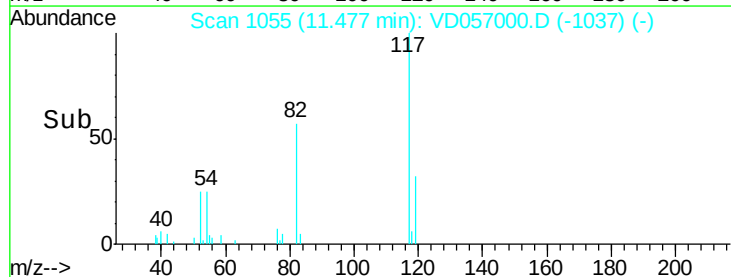
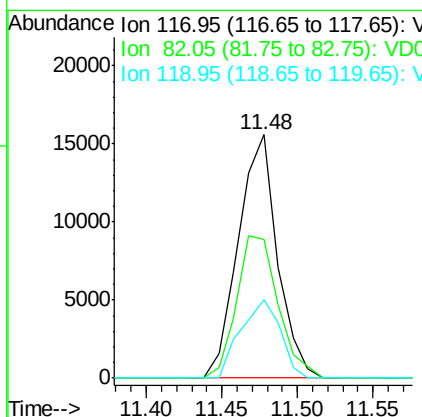
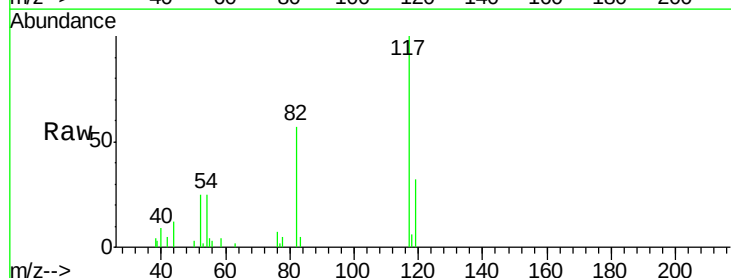
Instrument :
 MSVOA_X
 ClientSampleId :
 RO-CV-2036

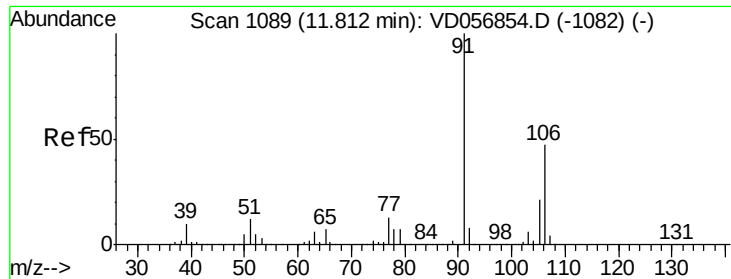
Tgt Ion: 95 Resp: 12981
 Ion Ratio Lower Upper
 95 100
 174 79.5 0.0 143.6
 176 62.3 0.0 141.2



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.48 min Scan# 1055
 Delta R.T. -0.03 min
 Lab File: VD057000.D
 Acq: 28 Mar 2018 14:24

Tgt Ion: 117 Resp: 28005
 Ion Ratio Lower Upper
 117 100
 82 57.0 46.2 69.4
 119 32.2 25.8 38.6

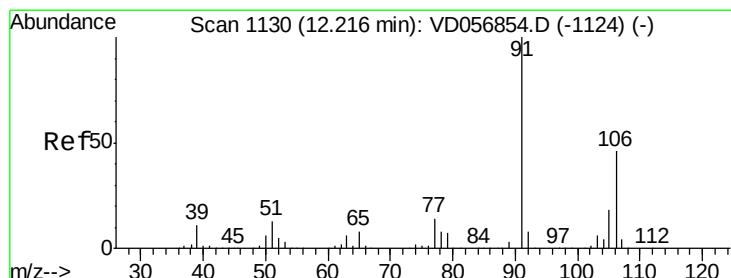
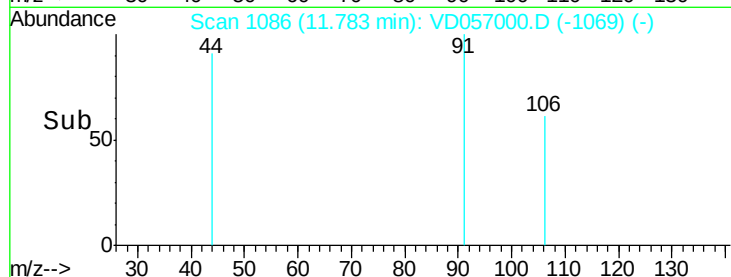
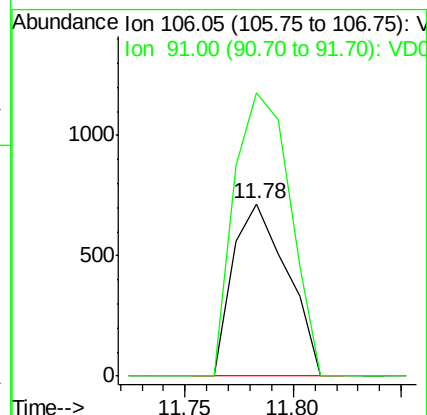
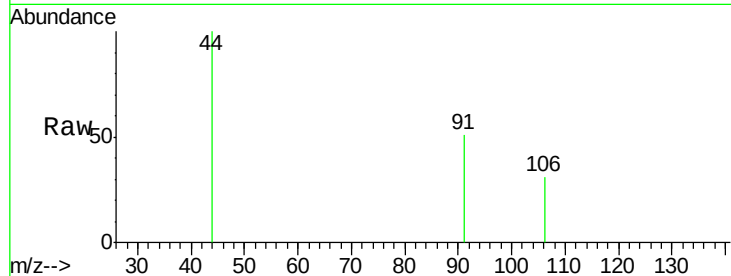




#68
m/p-Xylenes
Concen: 3.10 ug/l
RT: 11.78 min Scan# 1086
Delta R.T. -0.04 min
Lab File: VD057000.D
Acq: 28 Mar 2018 14:24

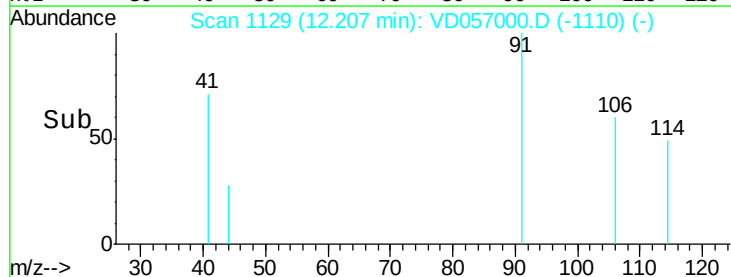
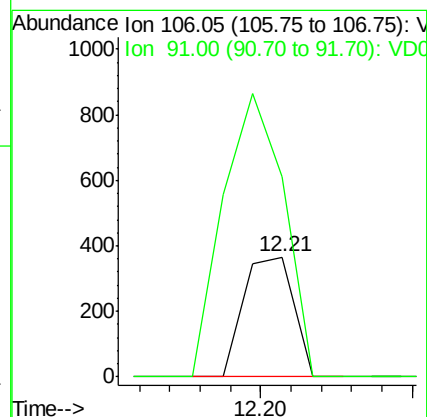
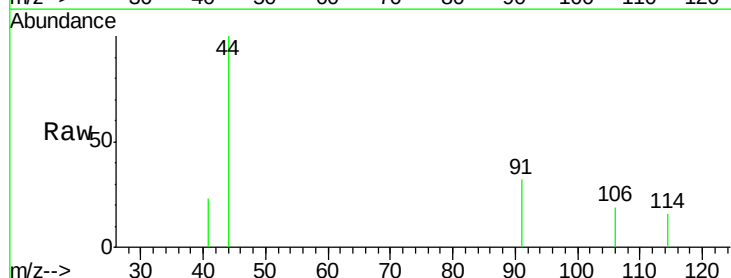
Instrument :
MSVOA_X
ClientSampled :
RO-CV-2036

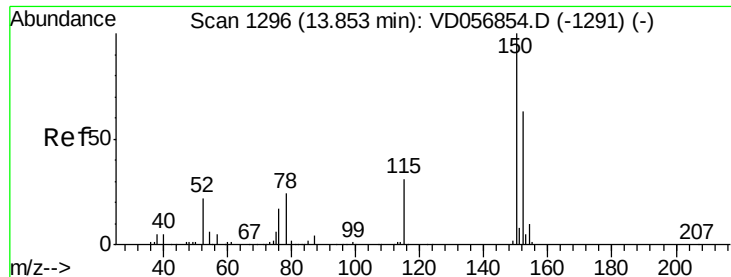
Tgt Ion:106 Resp: 1255
Ion Ratio Lower Upper
106 100
91 164.2 162.6 244.0



#69
o-Xylene
Concen: 1.07 ug/l
RT: 12.21 min Scan# 1129
Delta R.T. -0.02 min
Lab File: VD057000.D
Acq: 28 Mar 2018 14:24

Tgt Ion:106 Resp: 420
Ion Ratio Lower Upper
106 100
91 167.5 109.6 328.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.84 min Scan# 1295

Delta R.T. -0.02 min

Lab File: VD057000.D

Acq: 28 Mar 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

RO-CV-2036

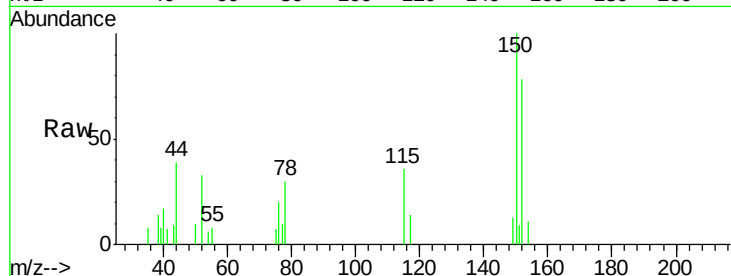
Tgt Ion: 152 Resp: 6875

Ion Ratio Lower Upper

152 100

115 46.4 31.2 93.6

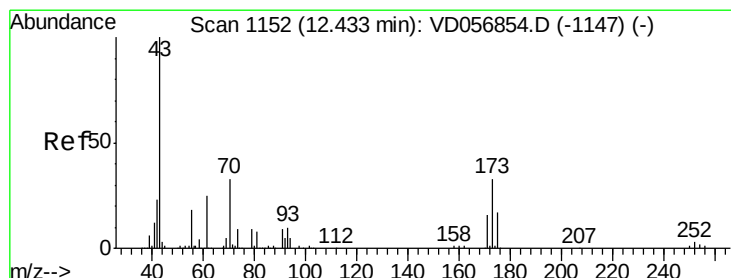
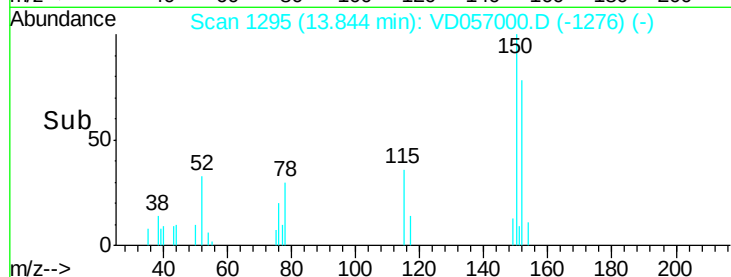
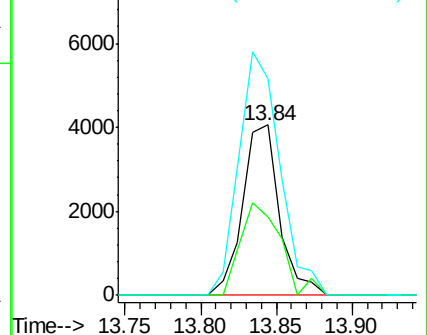
150 127.4 0.0 334.8



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-amil acetate

Concen: 2.18 ug/l

RT: 12.45 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VD057000.D

Acq: 28 Mar 2018 14:24

Tgt Ion: 43 Resp: 432

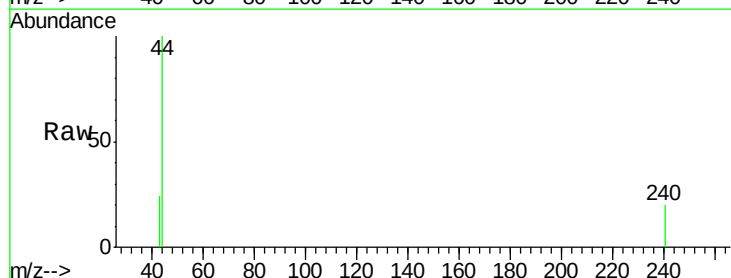
Ion Ratio Lower Upper

43 100

70 0.0 27.4 41.2#

55 0.0 15.2 22.8#

61 0.0 20.6 31.0#

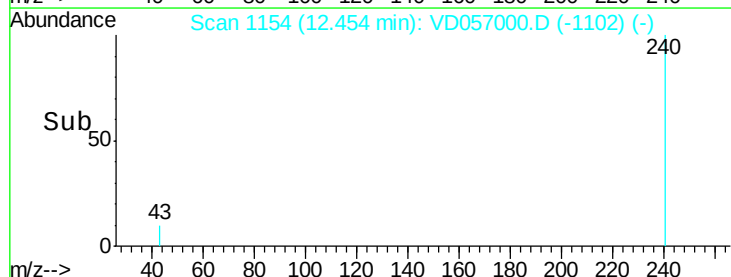
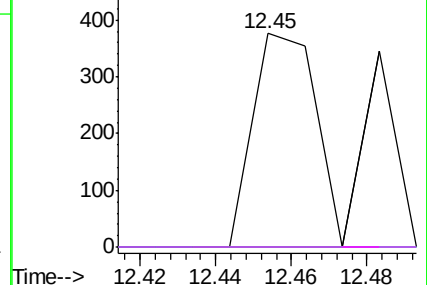


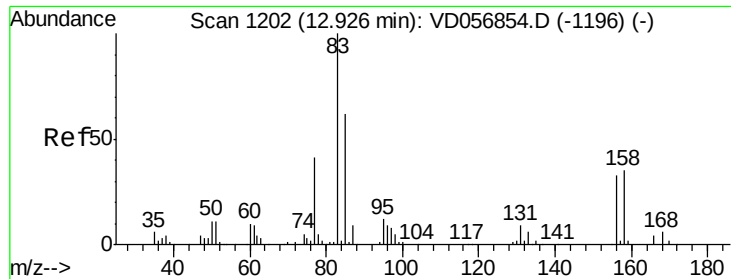
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 1.55 ug/l

RT: 12.75 min Scan# 1184

Delta R.T. -0.17 min

Lab File: VD057000.D

Acq: 28 Mar 2018 14:24

Instrument :

MSVOA_X

ClientSampled :

RO-CV-2036

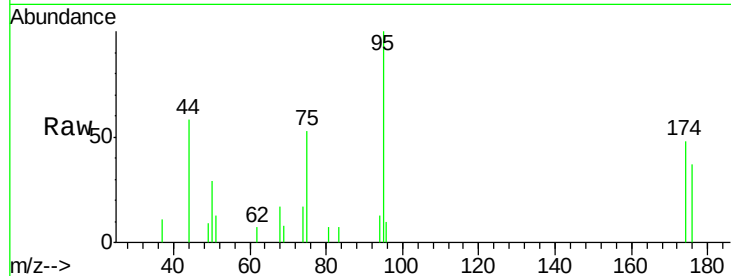
Tgt Ion: 83 Resp: 182

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

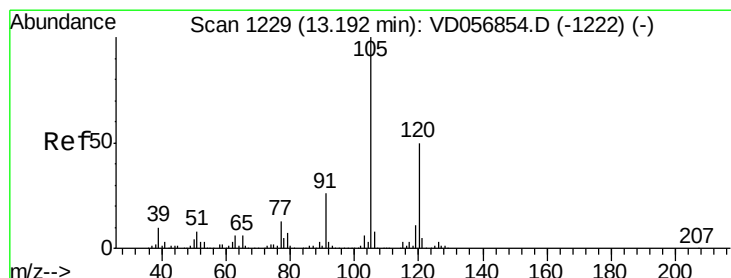
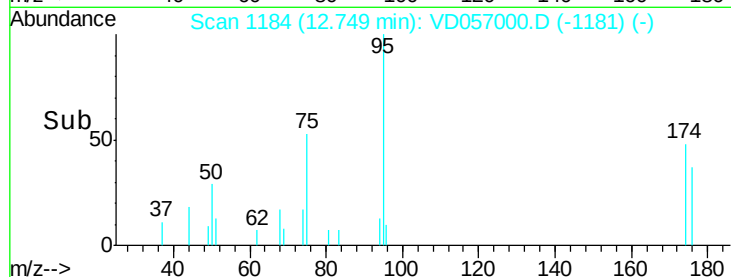
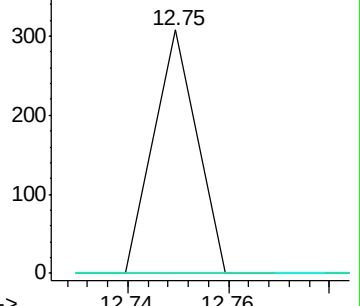
85 0.0 32.0 96.2#



Abundance Ion 82.95 (82.65 to 83.65): V

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): V



#80

1,3,5-Trimethylbenzene

Concen: 2.29 ug/l

RT: 13.07 min Scan# 1217

Delta R.T. -0.11 min

Lab File: VD057000.D

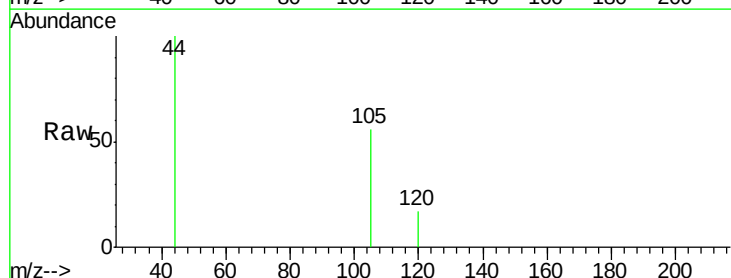
Acq: 28 Mar 2018 14:24

Tgt Ion:105 Resp: 1133

Ion Ratio Lower Upper

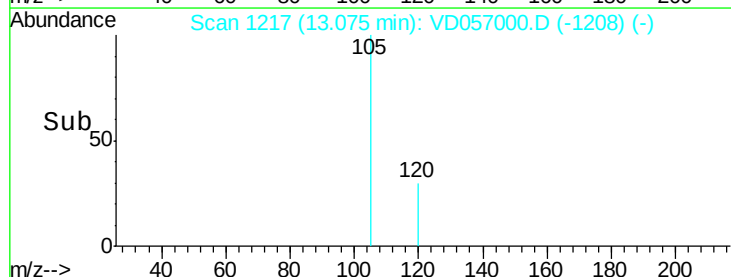
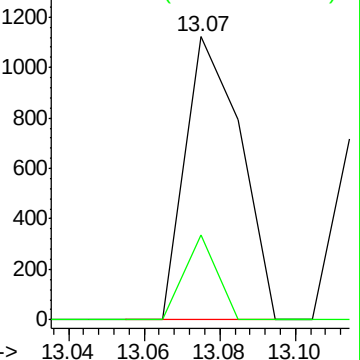
105 100

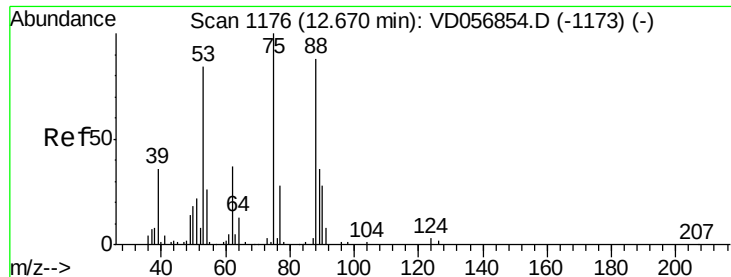
120 29.9 24.3 72.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 140.95 ug/l

RT: 12.76 min Scan# 1185

Delta R.T. 0.08 min

Lab File: VD057000.D

Acq: 28 Mar 2018 14:24

Instrument :

MSVOA_X

ClientSampled :

RO-CV-2036

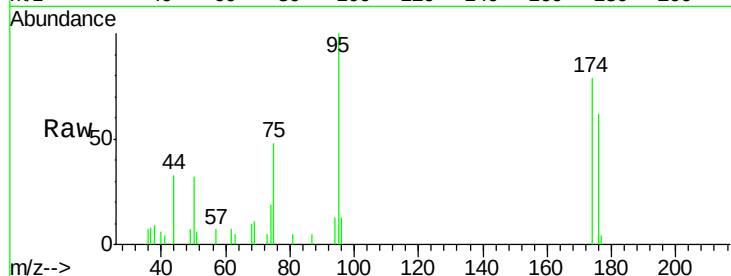
Tgt Ion: 75 Resp: 5304

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

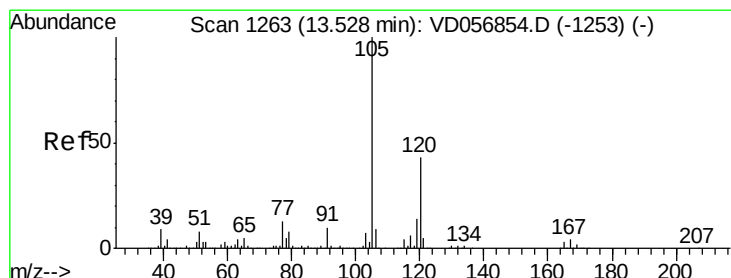
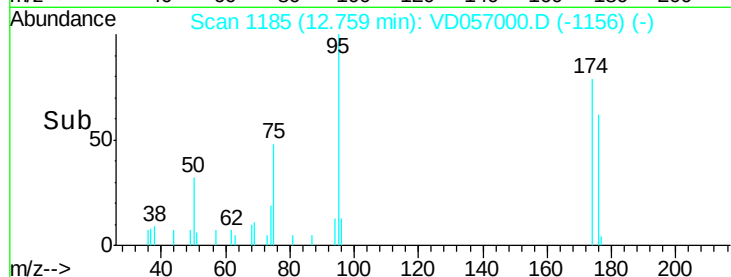
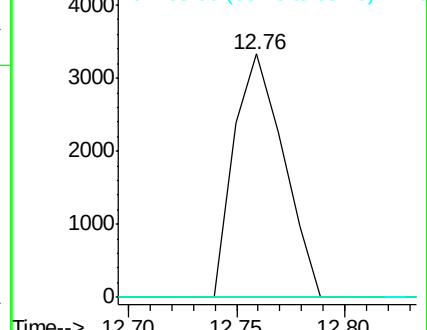
89 0.0 31.6 47.4#



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



#84

1,2,4-Trimethylbenzene

Concen: 9.03 ug/l

RT: 13.51 min Scan# 1261

Delta R.T. -0.03 min

Lab File: VD057000.D

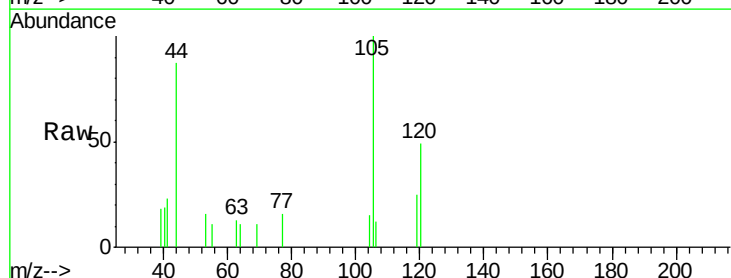
Acq: 28 Mar 2018 14:24

Tgt Ion: 105 Resp: 4491

Ion Ratio Lower Upper

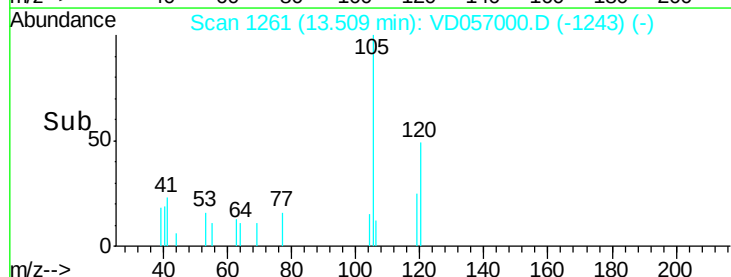
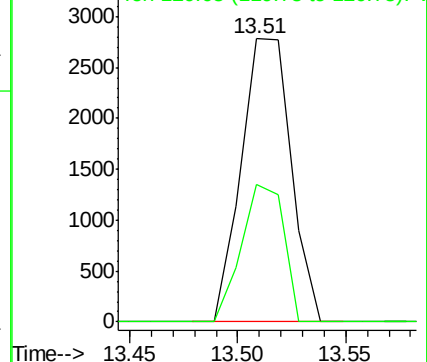
105 100

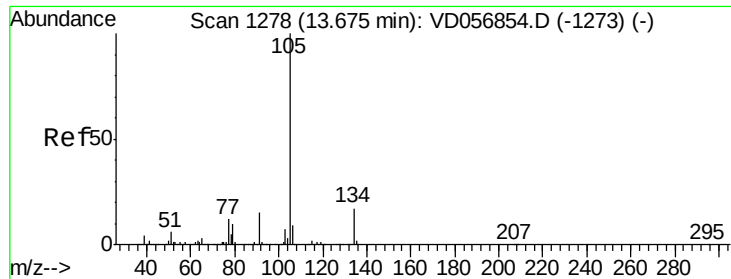
120 48.5 23.5 70.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 1.98 ug/l

RT: 13.66 min Scan# 1276

Delta R.T. -0.02 min

Lab File: VD057000.D

Acq: 28 Mar 2018 14:24

Instrument :

MSVOA_X

ClientSampled :

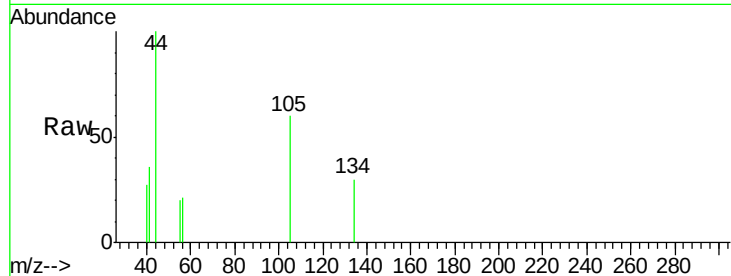
RO-CV-2036

Tgt Ion:105 Resp: 1286

Ion Ratio Lower Upper

105 100

134 49.0 8.6 25.7#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

13.66

800

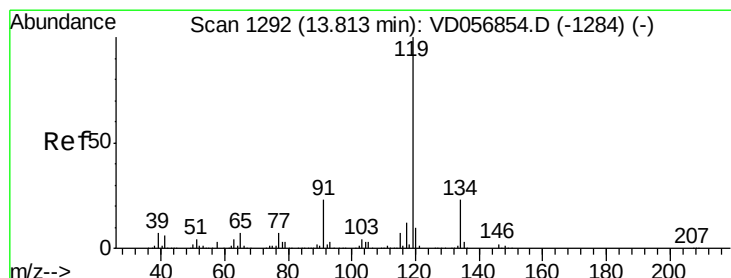
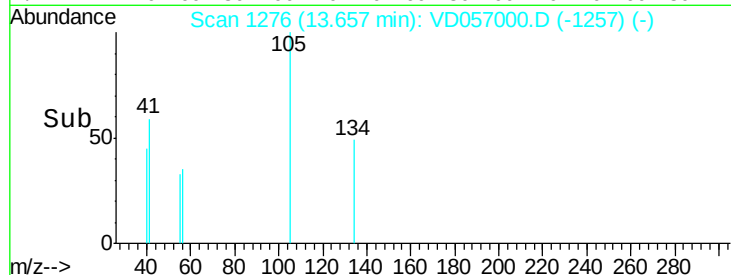
600

400

200

0

Time-->



#86

p-Isopropyltoluene

Concen: 1.32 ug/l

RT: 13.79 min Scan# 1290

Delta R.T. -0.02 min

Lab File: VD057000.D

Acq: 28 Mar 2018 14:24

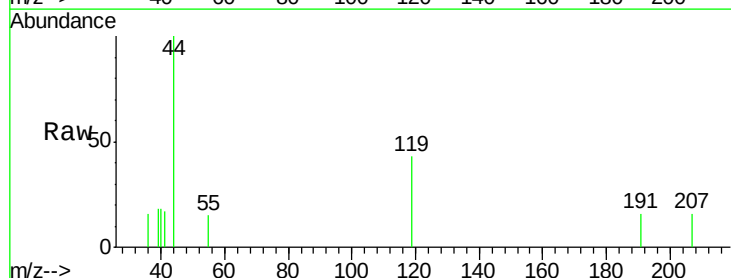
Tgt Ion:119 Resp: 706

Ion Ratio Lower Upper

119 100

134 0.0 12.0 36.1#

91 0.0 12.4 37.0#



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

13.79

1200

1000

800

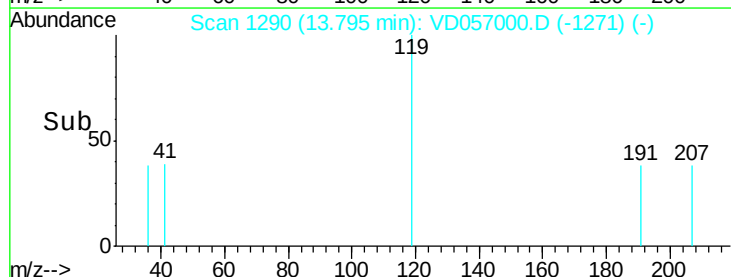
600

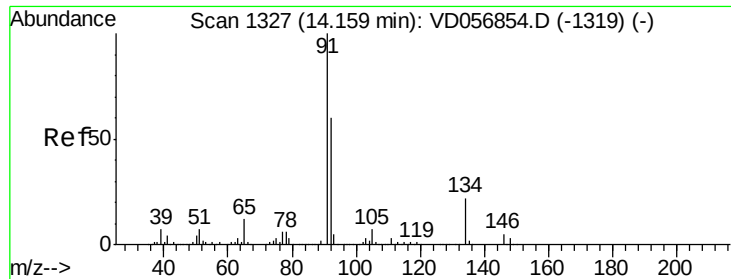
400

200

0

Time-->





#89

n-Butylbenzene

Concen: 1.60 ug/l

RT: 14.14 min Scan# 1325

Delta R.T. -0.02 min

Lab File: VD057000.D

Acq: 28 Mar 2018 14:24

Instrument :

MSVOA_X

ClientSampled :

RO-CV-2036

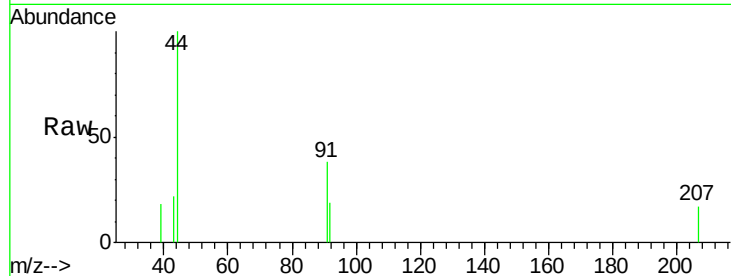
Tgt Ion: 91 Resp: 864

Ion Ratio Lower Upper

91 100

92 50.2 30.2 90.6

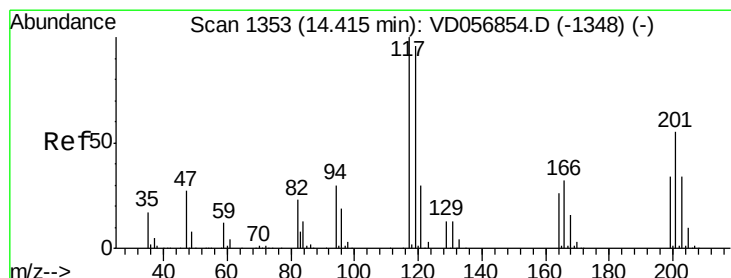
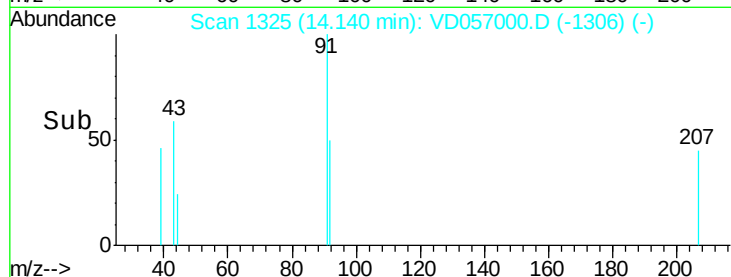
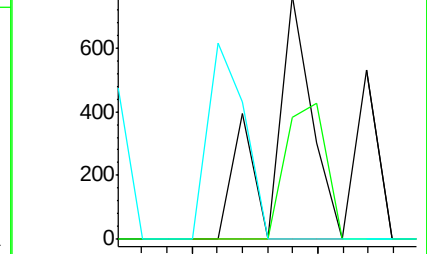
134 0.0 10.4 31.4#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 1.76 ug/l

RT: 14.48 min Scan# 1360

Delta R.T. 0.06 min

Lab File: VD057000.D

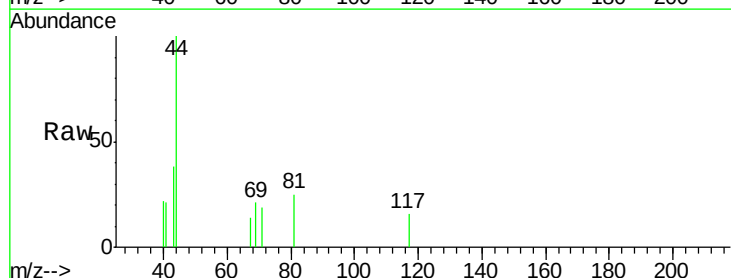
Acq: 28 Mar 2018 14:24

Tgt Ion: 117 Resp: 216

Ion Ratio Lower Upper

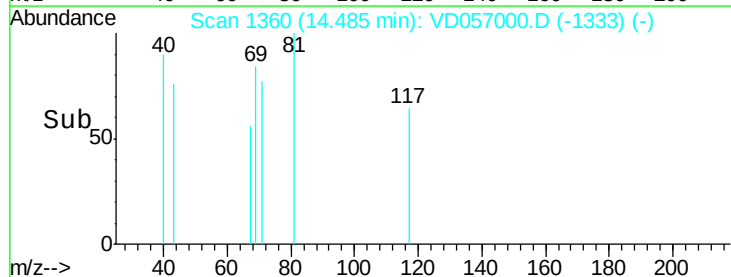
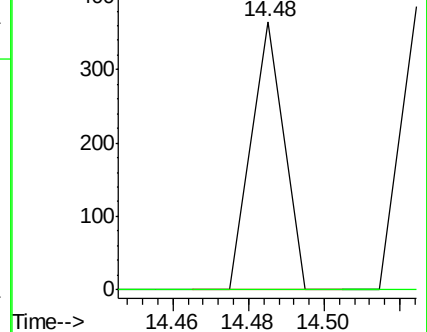
117 100

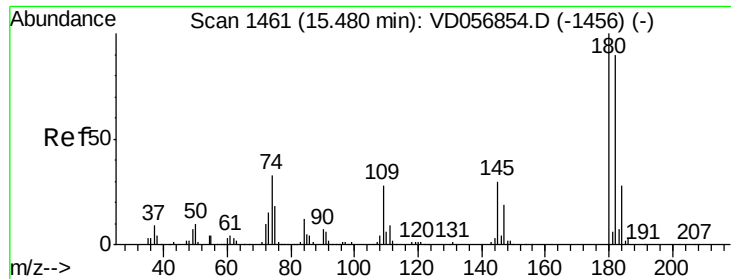
201 0.0 32.2 96.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

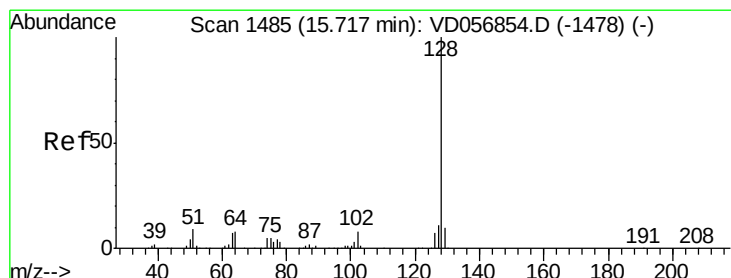
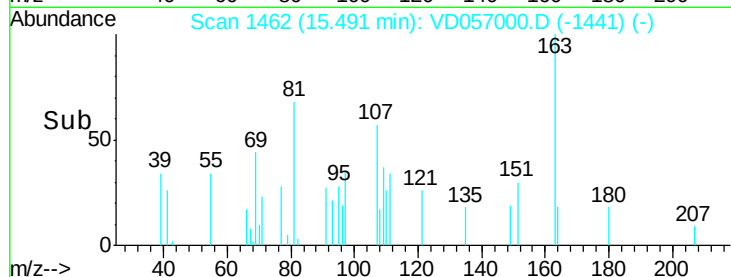
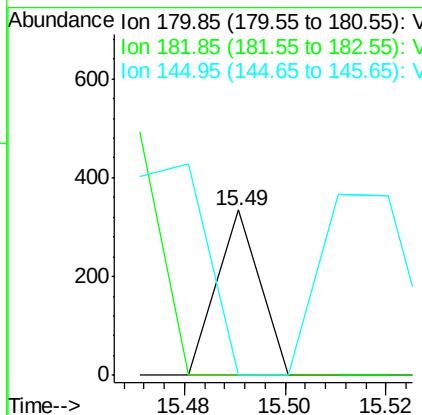
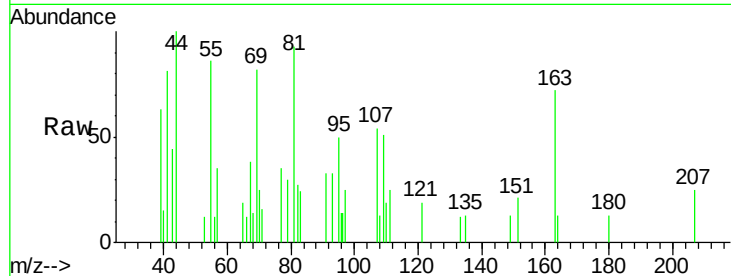




#93
 1,2,4-Trichlorobenzene
 Concen: 1.47 ug/l
 RT: 15.49 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VD057000.D
 Acq: 28 Mar 2018 14:24

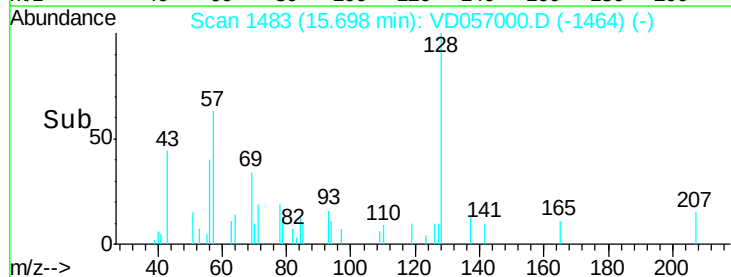
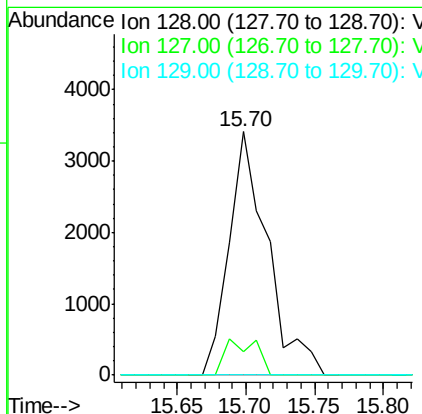
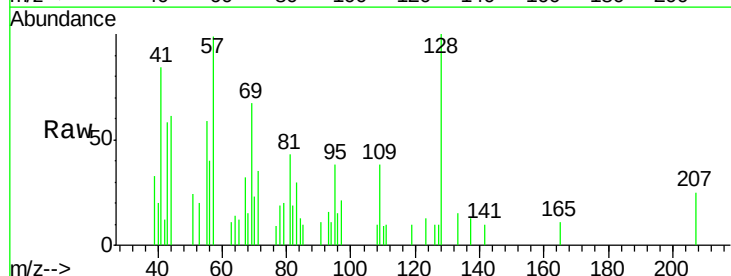
Instrument :
 MSVOA_X
 ClientSampled :
 RO-CV-2036

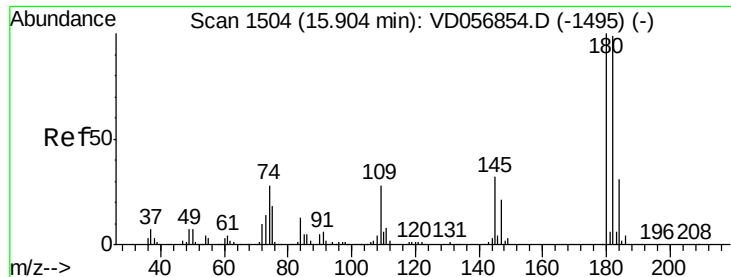
Tgt Ion:180 Resp: 198
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.3 138.9#
 145 0.0 15.2 45.5#



#95
 Naphthalene
 Concen: 27.38 ug/l
 RT: 15.70 min Scan# 1483
 Delta R.T. -0.02 min
 Lab File: VD057000.D
 Acq: 28 Mar 2018 14:24

Tgt Ion:128 Resp: 6637
 Ion Ratio Lower Upper
 128 100
 127 9.7 9.3 13.9
 129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 6.82 ug/l
 RT: 15.86 min Scan# 1499
 Delta R.T. -0.05 min
 Lab File: VD057000.D
 Acq: 28 Mar 2018 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 RO-CV-2036

Tgt Ion:180 Resp: 752
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.2 141.6#
 145 103.4 16.9 50.7#

