

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD032818\
 Data File : VD057001.D
 Acq On : 28 Mar 2018 14:52
 Operator : JC/SY
 Sample : J2068-01
 Misc : 4.55g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RO-CV-2043

Quant Time: Mar 29 05:51:47 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	17361	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.30	114	33846	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.48	117	28698	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.84	152	10483	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.58	65	19860	102.54	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	205.08%	
35) Dibromofluoromethane	6.07	113	14746	61.35	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	122.70%	
50) Toluene-d8	9.48	98	34345	46.45	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	92.90%	
62) 4-Bromofluorobenzene	12.76	95	18621	57.59	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	115.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.52	50	199	1.60	ug/l #	42
5) Bromomethane	1.92	94	1128	16.74	ug/l #	4
6) Chloroethane	2.03	64	450	7.96	ug/l #	42
8) Diethyl Ether	2.70	74	201	5.77	ug/l	57
12) 1,1-Dichloroethene	2.84	96	197	2.38	ug/l #	1
13) Acrolein	2.77	56	281	39.53	ug/l	95
14) Allyl chloride	3.20	41	392	2.23	ug/l #	54
16) Acetone	2.84	43	10101	340.91	ug/l #	61
17) Carbon Disulfide	3.02	76	720	2.47	ug/l #	75
18) Methyl Acetate	3.21	43	2709	49.33	ug/l #	57
20) Methylene Chloride	3.38	84	3515	41.74	ug/l #	60
25) 2-Butanone	5.34	43	265	3.87	ug/l #	56
29) Tetrahydrofuran	5.70	42	408	10.60	ug/l #	37
31) Cyclohexane	6.24	56	251	Below Cal	#	21
36) 1,1-Dichloropropene	6.15	75	1747	4.72	ug/l #	44
37) Ethyl Acetate	5.34	43	265	2.89	ug/l #	70
38) Carbon Tetrachloride	6.17	117	2393	7.53	ug/l #	11
41) Methacrylonitrile	5.68	41	238	2.40	ug/l #	28
46) Dibromomethane	8.08	93	182	1.32	ug/l #	7
48) Methyl methacrylate	7.93	41	699	3.03	ug/l #	28
51) 4-Methyl-2-Pentanone	9.37	43	413	2.35	ug/l #	38
59) 2-Hexanone	10.57	43	1417	10.43	ug/l #	27
73) Isopropylbenzene	12.58	105	2870	2.94	ug/l #	50
74) N-ethyl acetate	12.46	43	576	1.90	ug/l #	3
75) 1,1,2,2-Tetrachloroethane	12.93	83	1843	10.28	ug/l #	25
76) 1,2,3-Trichloropropane	12.82	75	203	1.02	ug/l #	1
78) n-propylbenzene	13.00	91	1254	1.04	ug/l #	57
79) 2-Chlorotoluene	13.09	91	1181	1.80	ug/l #	41
80) 1,3,5-Trimethylbenzene	13.11	105	1657	2.20	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.76	75	7642	133.18	ug/l #	26
82) 4-Chlorotoluene	13.22	91	2990	3.64	ug/l #	45
84) 1,2,4-Trimethylbenzene	13.53	105	1872	2.47	ug/l #	30
86) p-Isopropyltoluene	13.79	119	2218	2.71	ug/l #	8
89) n-Butylbenzene	14.16	91	1297	1.58	ug/l #	29

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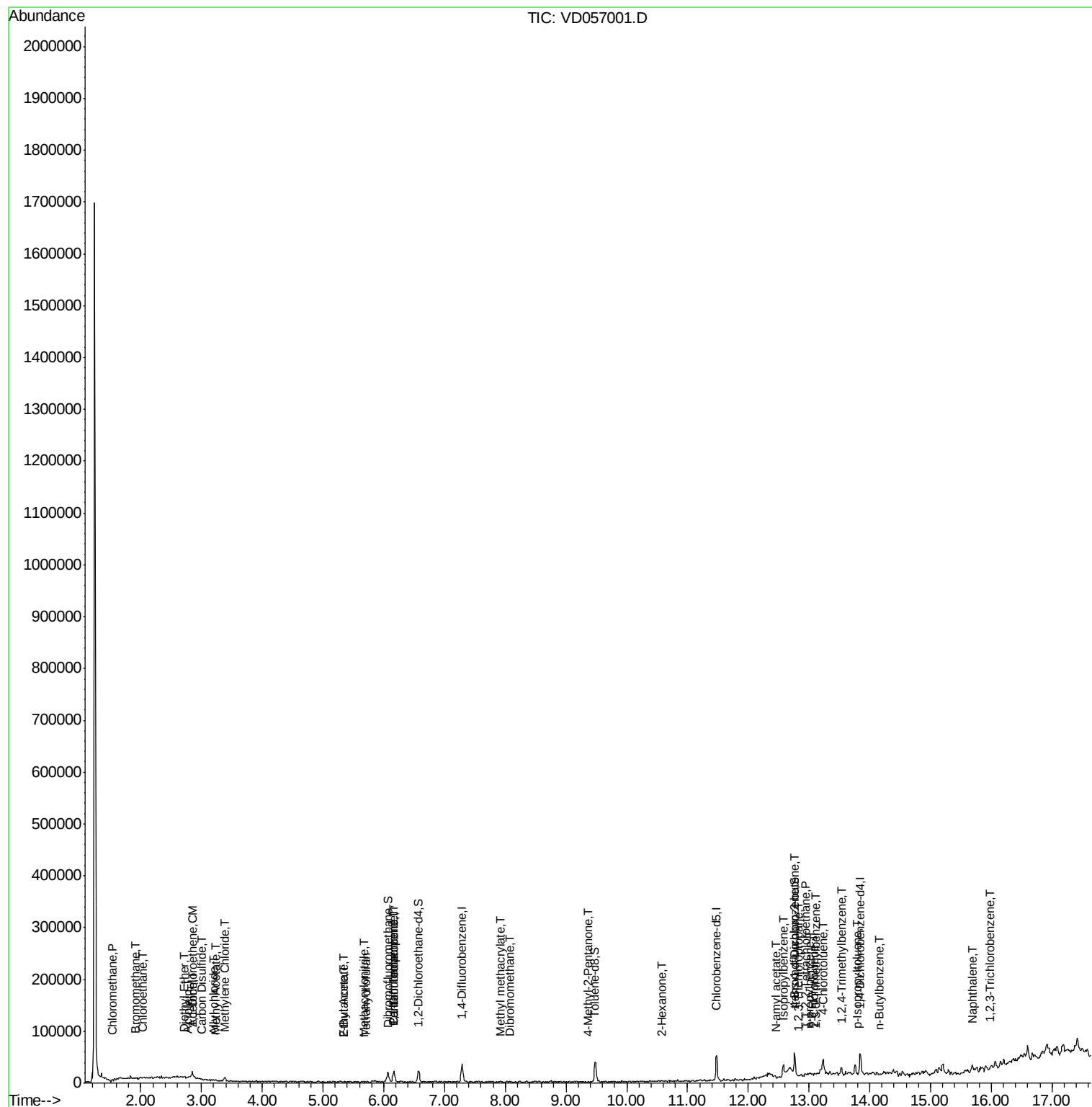
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.71	128	3156	8.54	ug/l #	71
96) 1,2,3-Trichlorobenzene	15.97	180	199	1.18	ug/l #	13

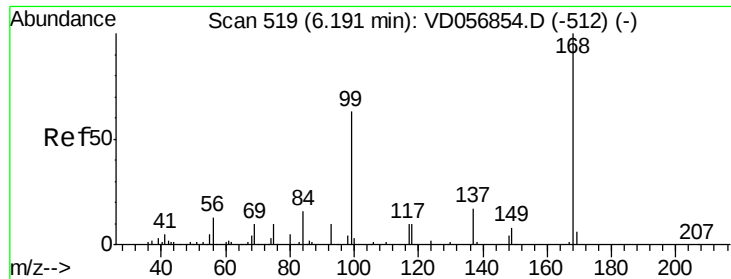
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.17 min Scan# 517

Delta R.T. -0.03 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

Instrument :

MSVOA_X

ClientSampleId :

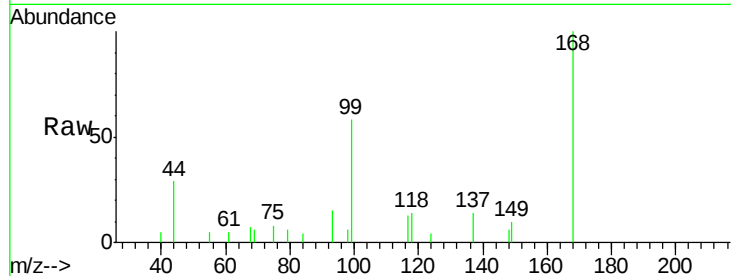
RO-CV-2043

Tgt Ion:168 Resp: 17361

Ion Ratio Lower Upper

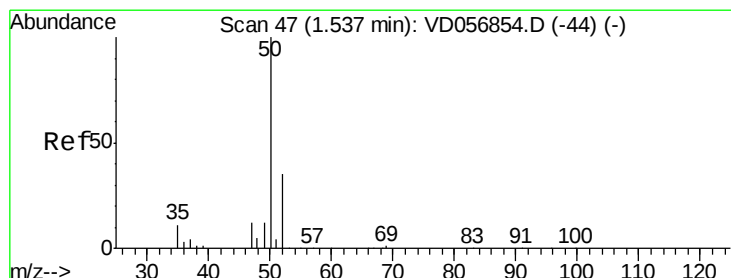
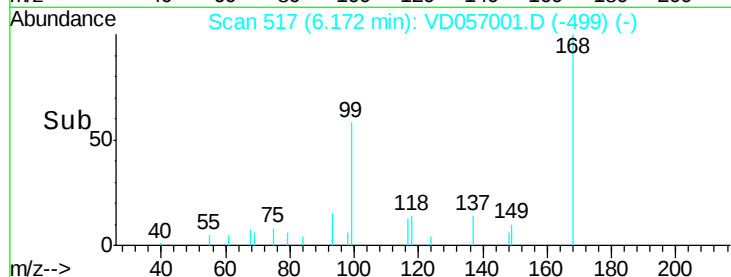
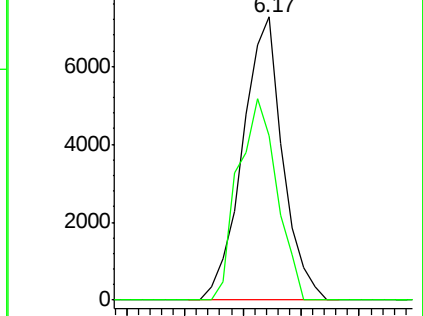
168 100

99 57.9 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: 1.60 ug/l

RT: 1.52 min Scan# 45

Delta R.T. -0.03 min

Lab File: VD057001.D

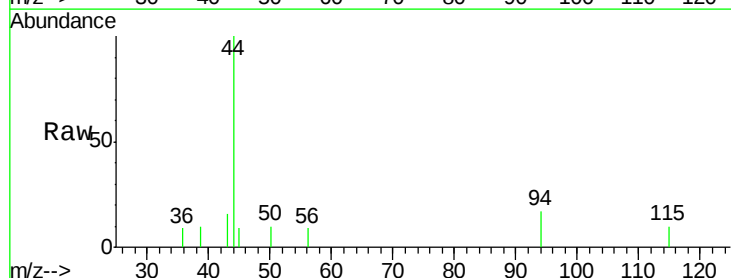
Acq: 28 Mar 2018 14:52

Tgt Ion: 50 Resp: 199

Ion Ratio Lower Upper

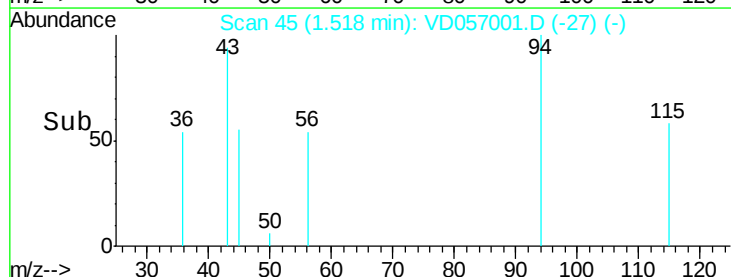
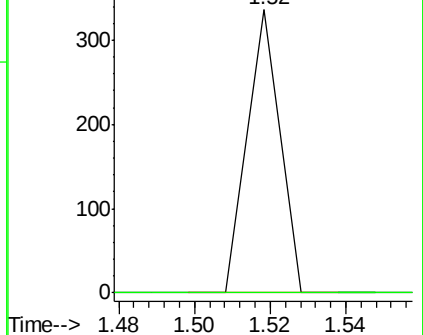
50 100

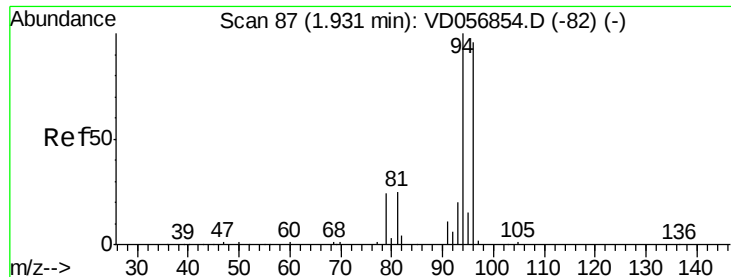
52 0.0 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 16.74 ug/l

RT: 1.92 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

Instrument :

MSVOA_X

ClientSampled :

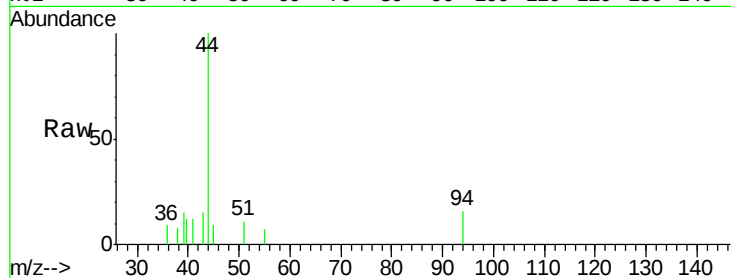
RO-CV-2043

Tgt Ion: 94 Resp: 1128

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

1.92

800

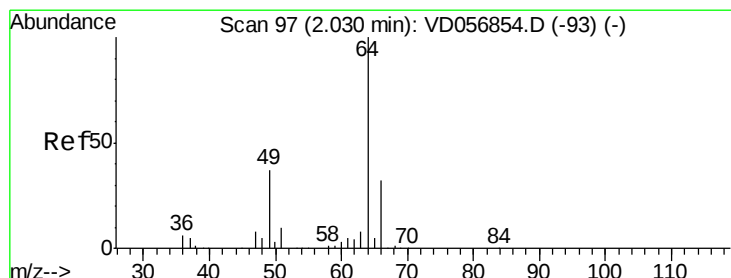
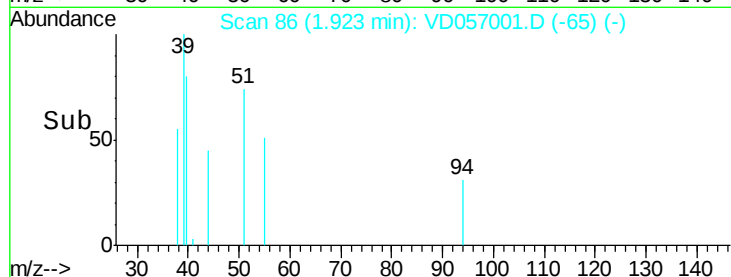
600

400

200

0

Time-->



#6

Chloroethane

Concen: 7.96 ug/l

RT: 2.03 min Scan# 97

Delta R.T. 0.00 min

Lab File: VD057001.D

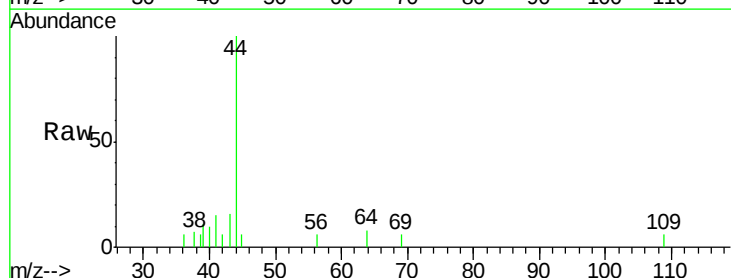
Acq: 28 Mar 2018 14:52

Tgt Ion: 64 Resp: 450

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

500

400

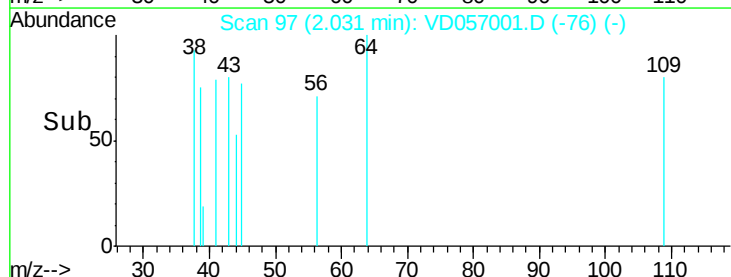
300

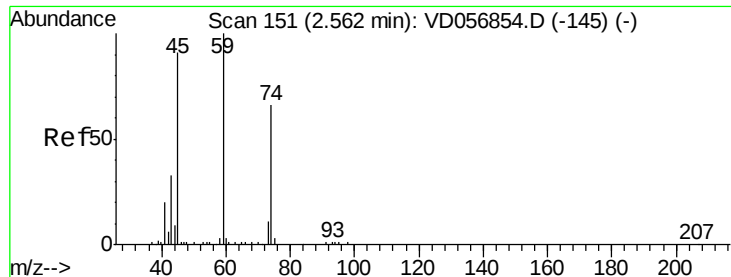
200

100

0

Time-->





#8

Diethyl Ether

Concen: 5.77 ug/l

RT: 2.70 min Scan# 165

Delta R.T. 0.14 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

Instrument :

MSVOA_X

ClientSampled :

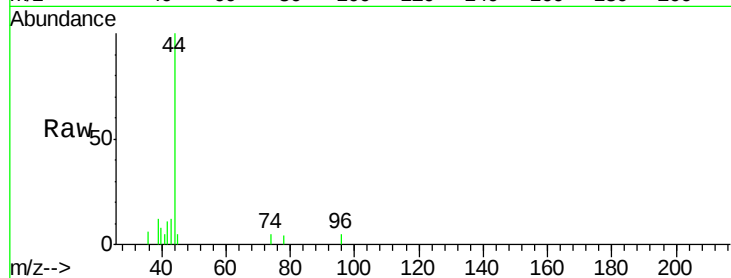
RO-CV-2043

Tgt Ion: 74 Resp: 201

Ion Ratio Lower Upper

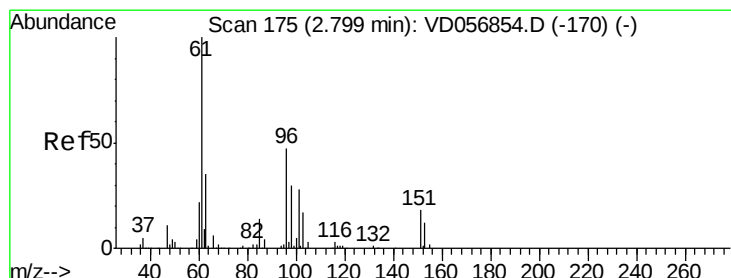
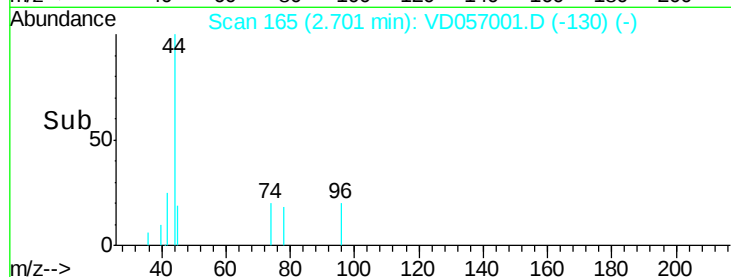
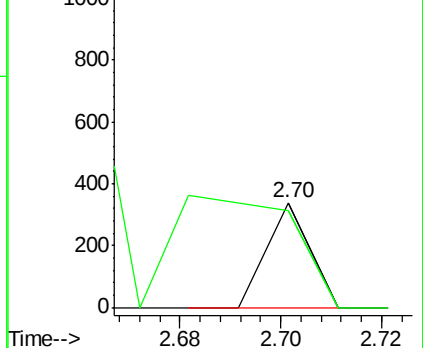
74 100

45 92.0 72.9 218.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#12

1,1-Dichloroethene

Concen: 2.38 ug/l

RT: 2.84 min Scan# 179

Delta R.T. 0.04 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

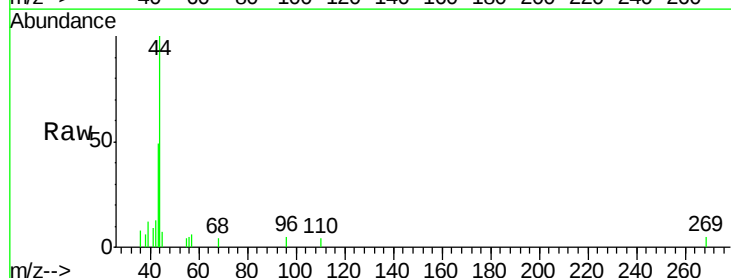
Tgt Ion: 96 Resp: 197

Ion Ratio Lower Upper

96 100

61 0.0 172.2 258.4#

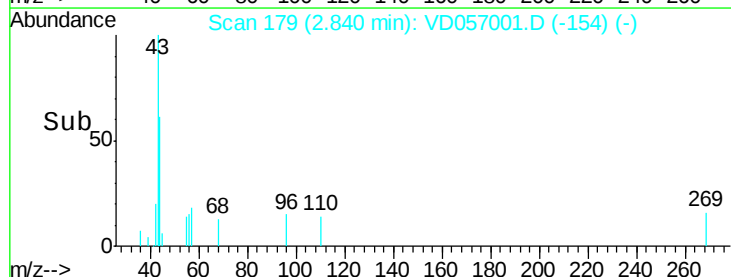
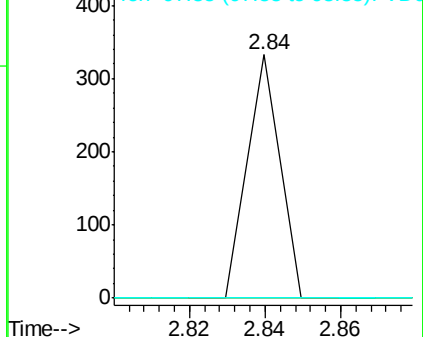
98 0.0 49.4 74.0#

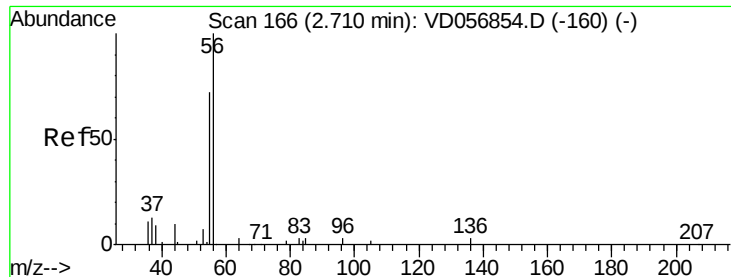


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 39.53 ug/l

RT: 2.77 min Scan# 172

Delta R.T. 0.06 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

Instrument :

MSVOA_X

ClientSampleId :

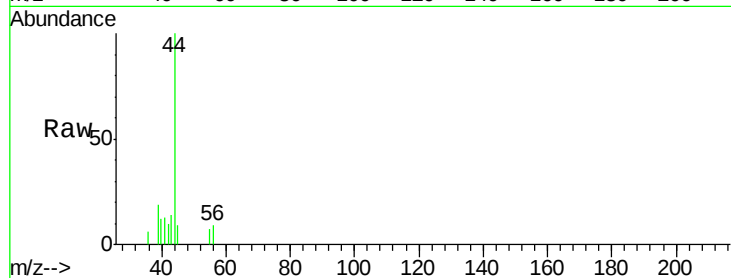
RO-CV-2043

Tgt Ion: 56 Resp: 281

Ion Ratio Lower Upper

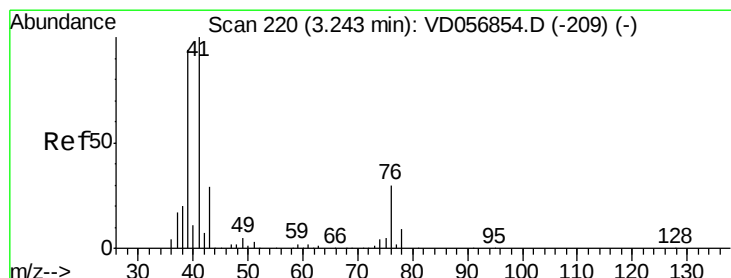
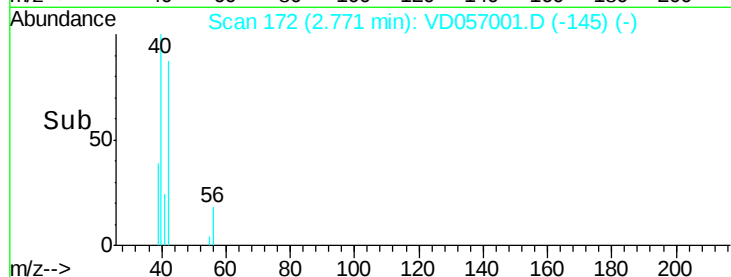
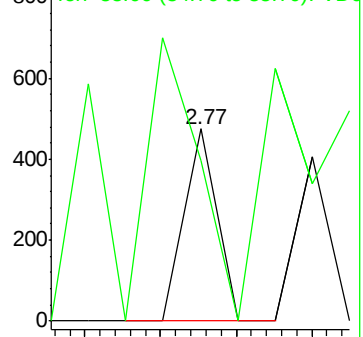
56 100

55 83.6 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: 2.23 ug/l

RT: 3.20 min Scan# 216

Delta R.T. -0.03 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

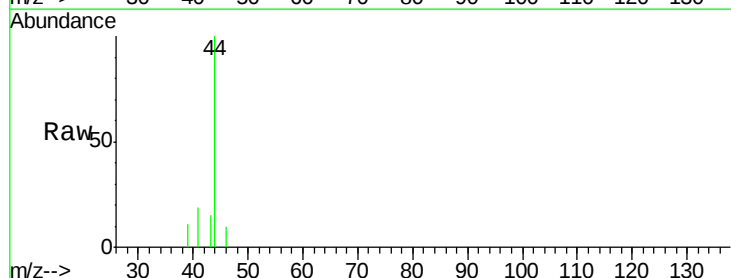
Tgt Ion: 41 Resp: 392

Ion Ratio Lower Upper

41 100

39 57.4 81.0 121.6#

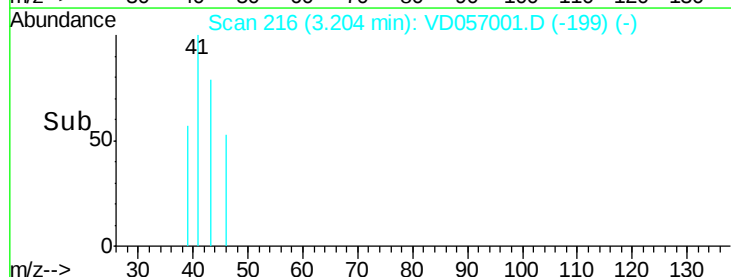
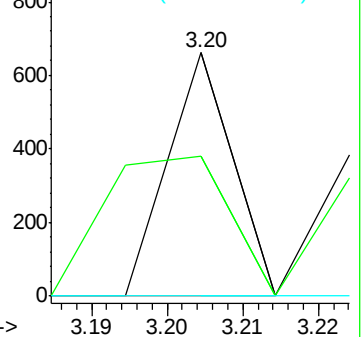
76 0.0 22.9 34.3#

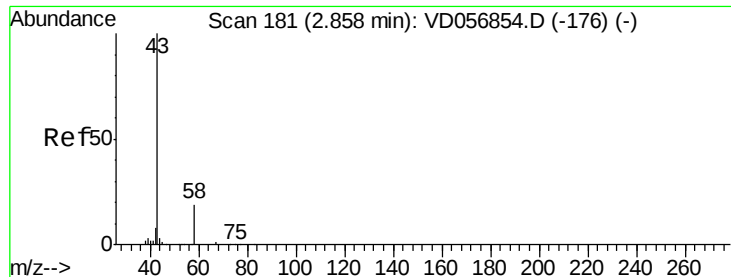


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#16

Acetone

Concen: 340.91 ug/l

RT: 2.84 min Scan# 179

Delta R.T. -0.03 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

Instrument :

MSVOA_X

ClientSampleId :

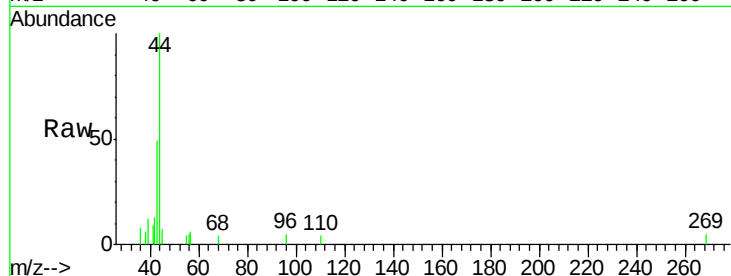
RO-CV-2043

Tgt Ion: 43 Resp: 10101

Ion Ratio Lower Upper

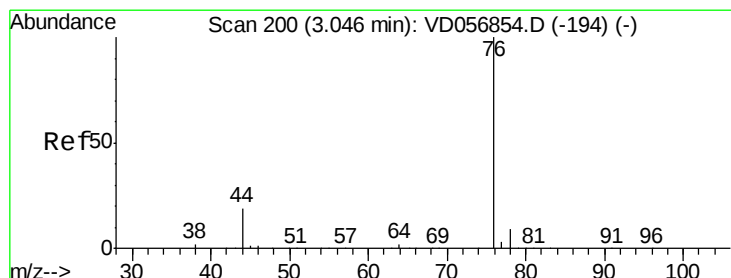
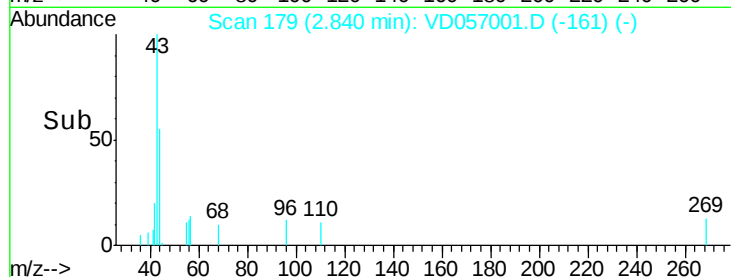
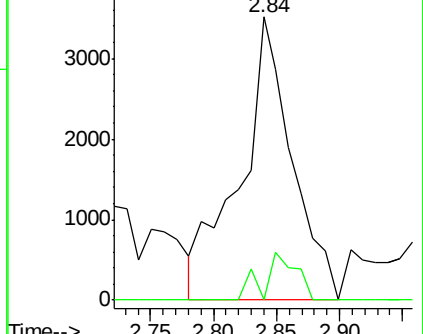
43 100

58 0.0 13.6 20.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 2.47 ug/l

RT: 3.02 min Scan# 197

Delta R.T. -0.03 min

Lab File: VD057001.D

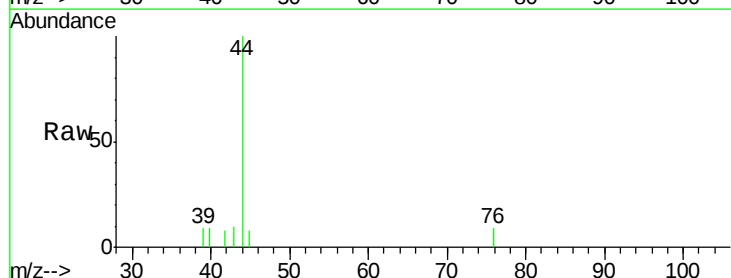
Acq: 28 Mar 2018 14:52

Tgt Ion: 76 Resp: 720

Ion Ratio Lower Upper

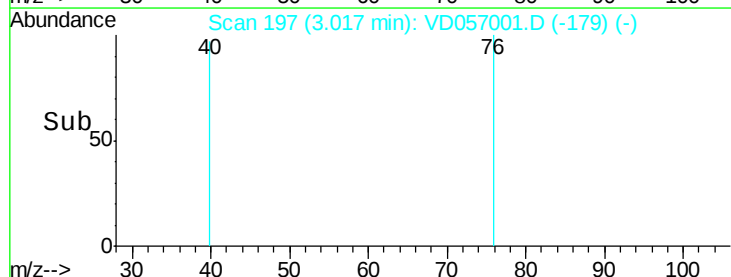
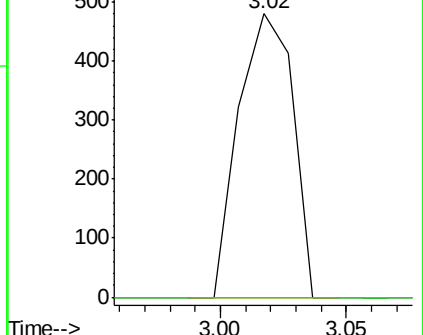
76 100

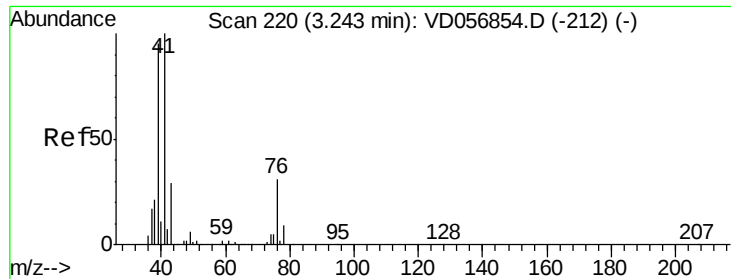
78 0.0 7.2 10.8#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

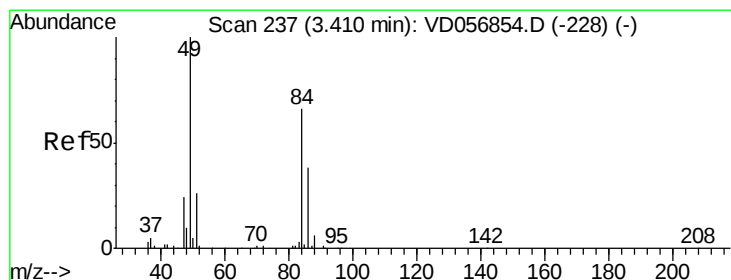
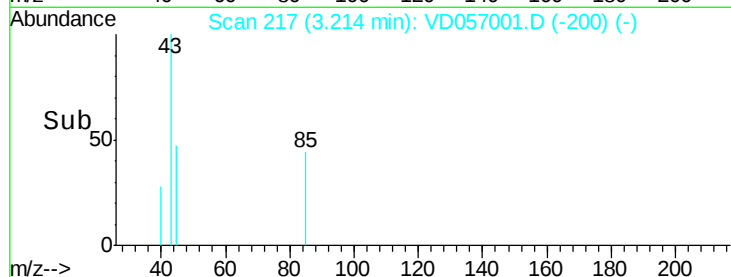
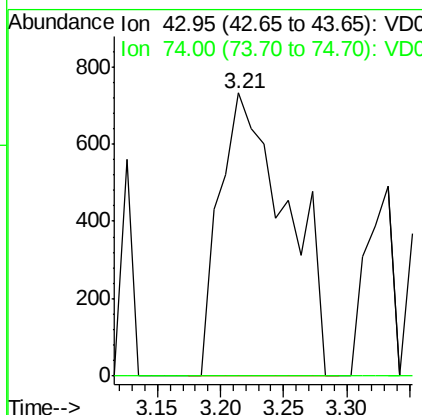
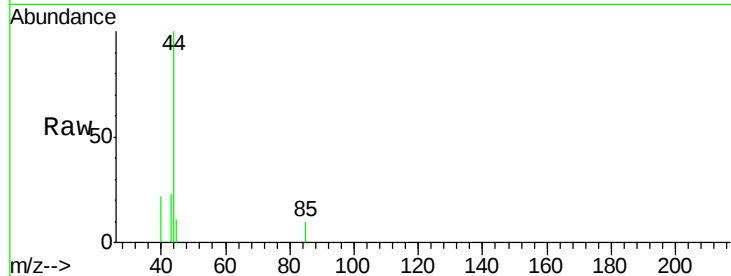




#18
Methyl Acetate
Concen: 49.33 ug/l
RT: 3.21 min Scan# 217
Delta R.T. -0.03 min
Lab File: VD057001.D
Acq: 28 Mar 2018 14:52

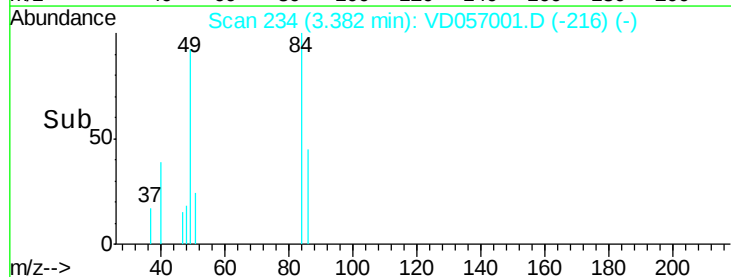
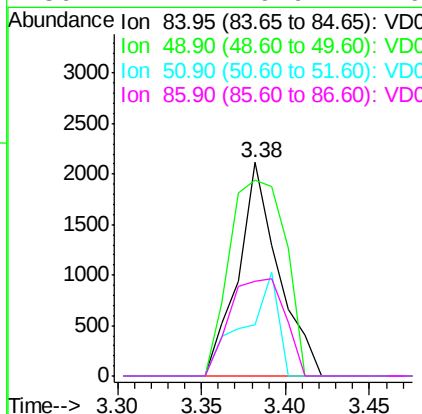
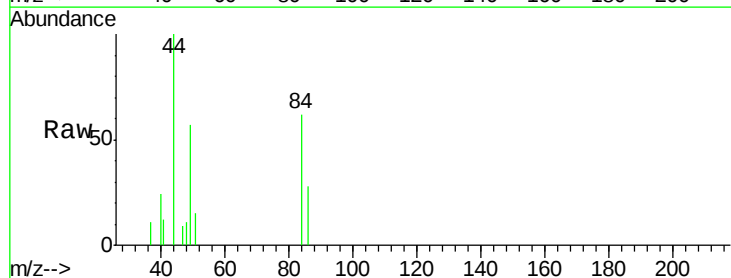
Instrument :
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ClientSampled :
RO-CV-2043

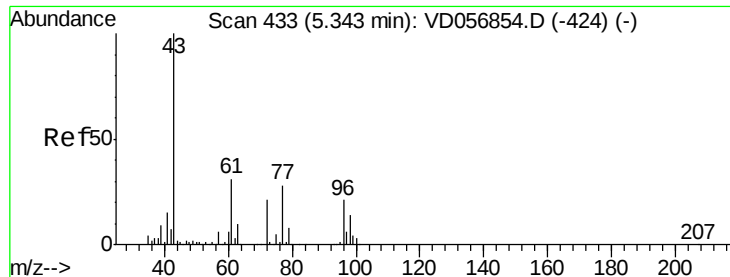
Tgt Ion: 43 Resp: 2709
Ion Ratio Lower Upper
43 100
74 0.0 15.6 23.4#



#20
Methylene Chloride
Concen: 41.74 ug/l
RT: 3.38 min Scan# 234
Delta R.T. -0.03 min
Lab File: VD057001.D
Acq: 28 Mar 2018 14:52

Tgt Ion: 84 Resp: 3515
Ion Ratio Lower Upper
84 100
49 91.6 124.5 186.7#
51 23.8 35.1 52.7#
86 44.7 49.9 74.9#





#25

2-Butanone

Concen: 3.87 ug/l

RT: 5.34 min Scan# 433

Delta R.T. 0.00 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

Instrument :

MSVOA_X

ClientSampled :

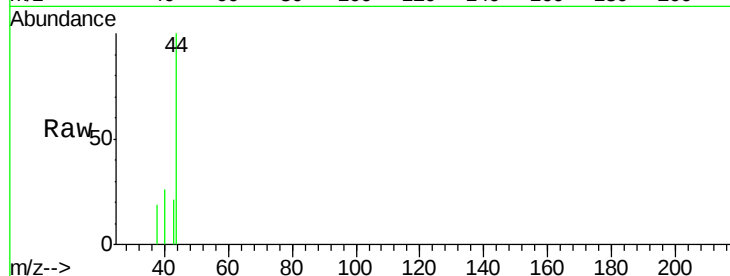
RO-CV-2043

Tgt Ion: 43 Resp: 265

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

5.34

400

300

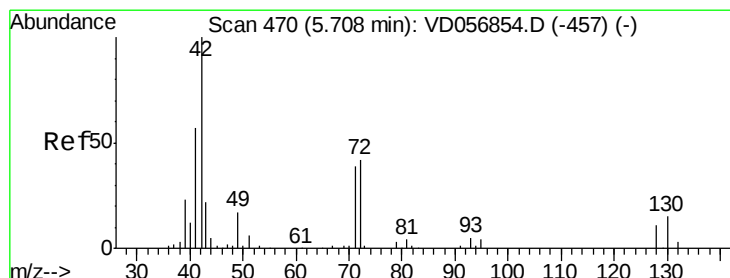
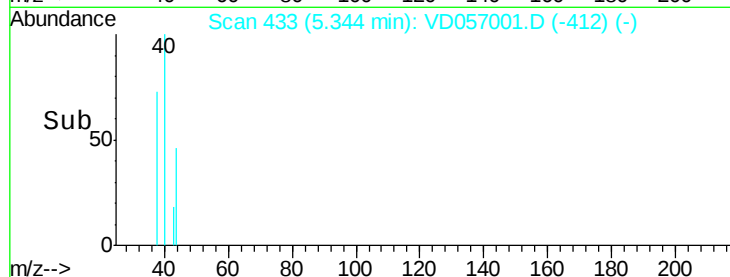
200

100

0

5.32 5.34 5.36

Time-->



#29

Tetrahydrofuran

Concen: 10.60 ug/l

RT: 5.70 min Scan# 469

Delta R.T. -0.02 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

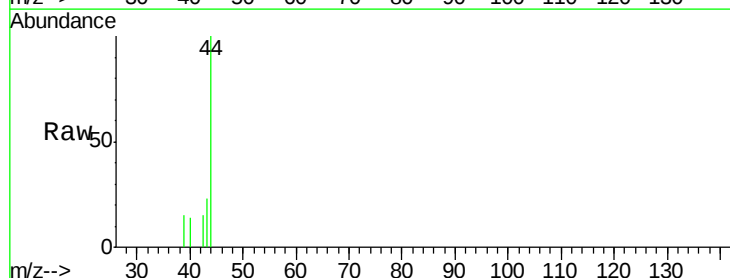
Tgt Ion: 42 Resp: 408

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

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

5.70

400

300

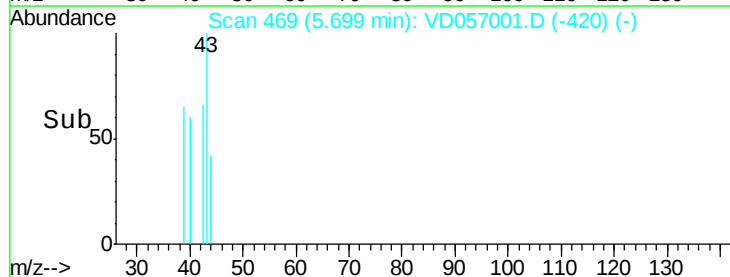
200

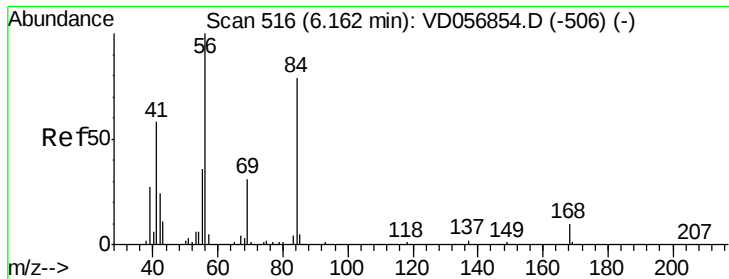
100

0

5.66 5.68 5.70 5.72

Time-->

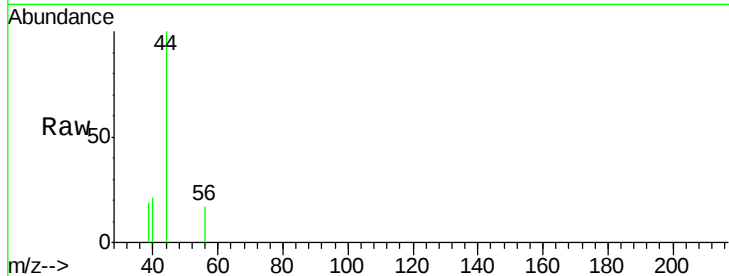




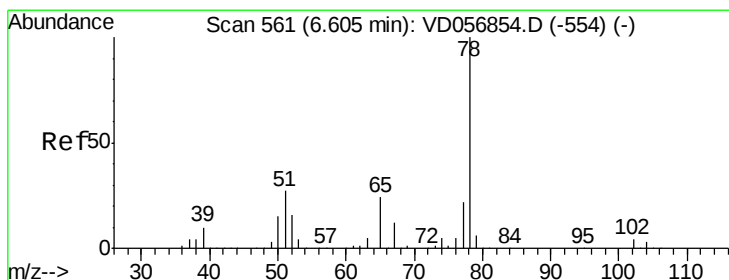
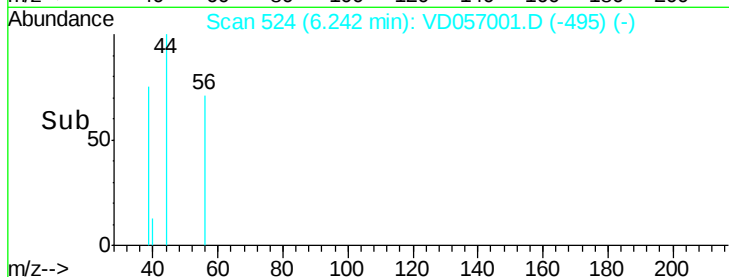
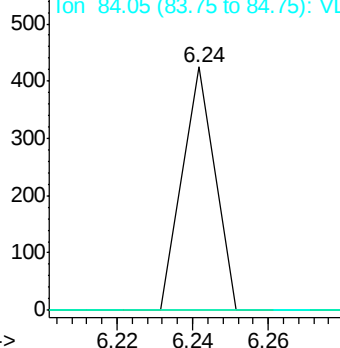
#31
Cyclohexane
Concen: Below Cal
RT: 6.24 min Scan# 524
Delta R.T. 0.08 min
Lab File: VD057001.D
Acq: 28 Mar 2018 14:52

Instrument :
MSVOA_X
ClientSampled :
RO-CV-2043

Tgt Ion: 56 Resp: 251
Ion Ratio Lower Upper
56 100
69 0.0 23.1 34.7#
84 0.0 60.2 90.2#

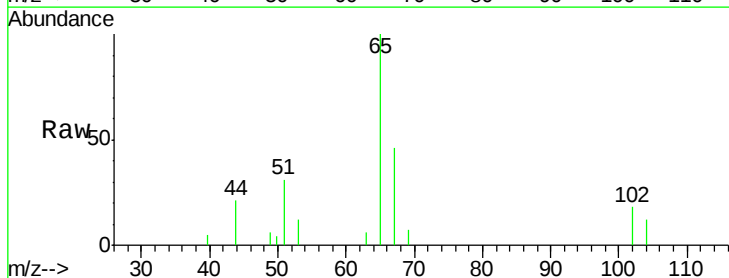


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

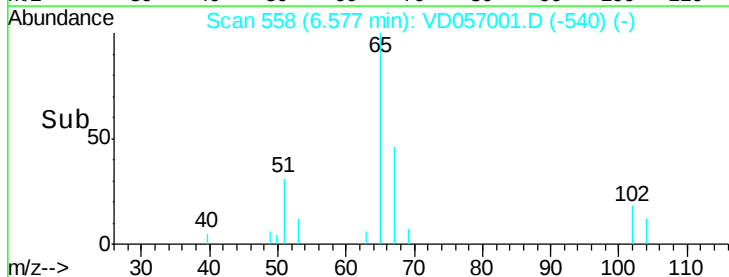
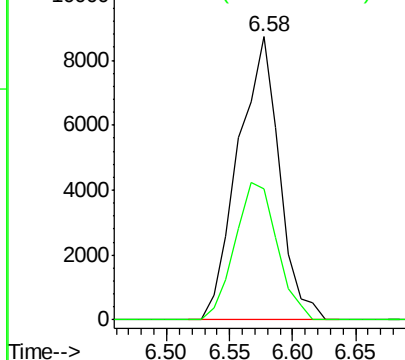


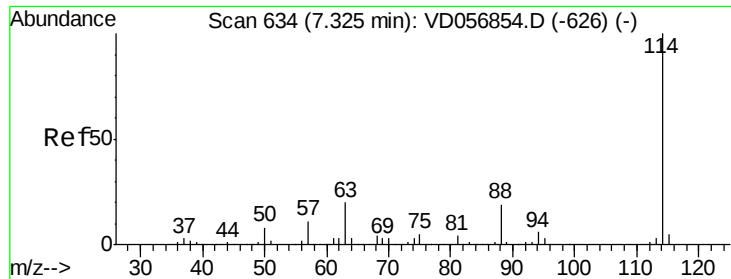
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.58 min Scan# 558
Delta R.T. -0.03 min
Lab File: VD057001.D
Acq: 28 Mar 2018 14:52

Tgt Ion: 65 Resp: 19860
Ion Ratio Lower Upper
65 100
67 46.2 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: 7.30 min Scan# 631

Delta R.T. -0.03 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

Instrument :

MSVOA_X

ClientSampleId :

RO-CV-2043

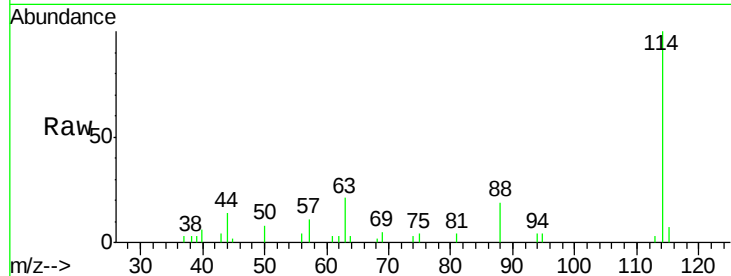
Tgt Ion:114 Resp: 33846

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

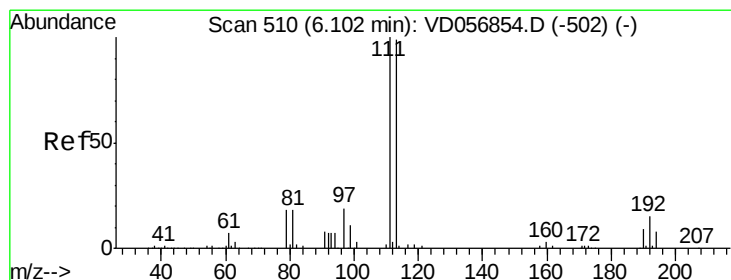
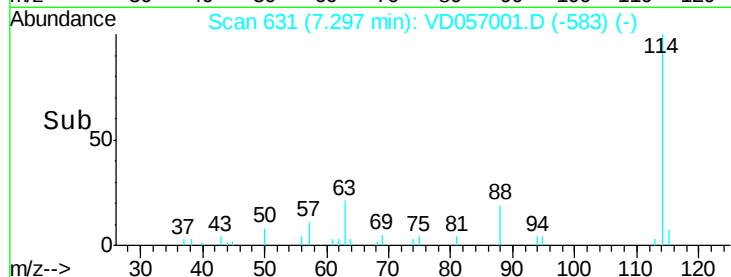
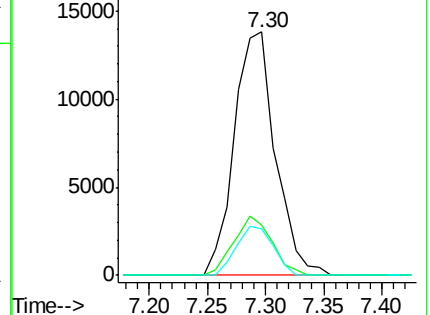
88 19.0 0.0 35.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.07 min Scan# 507

Delta R.T. -0.03 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

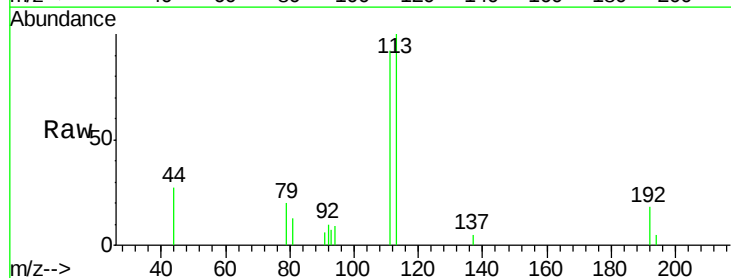
Tgt Ion:113 Resp: 14746

Ion Ratio Lower Upper

113 100

111 91.5 81.5 122.3

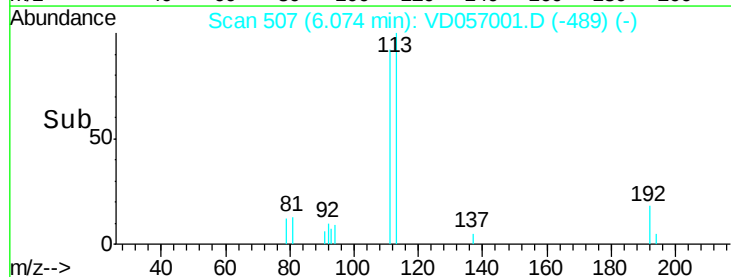
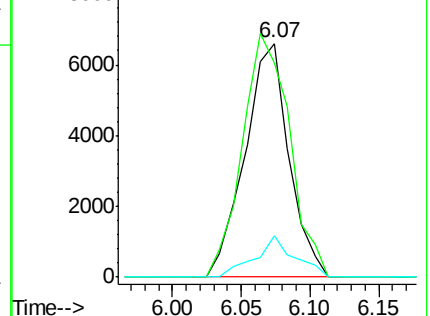
192 17.5 12.6 19.0

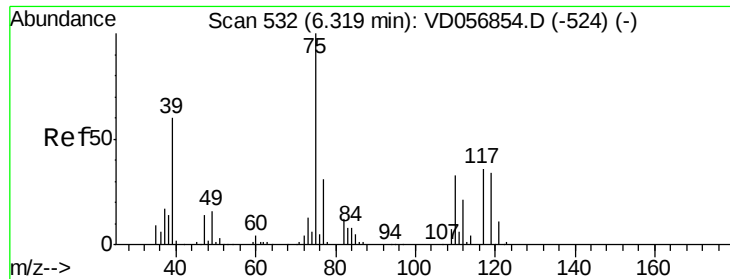


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

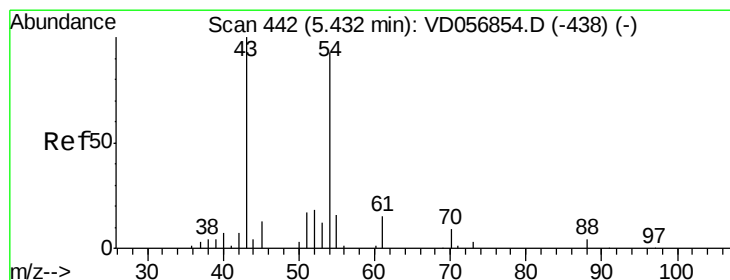
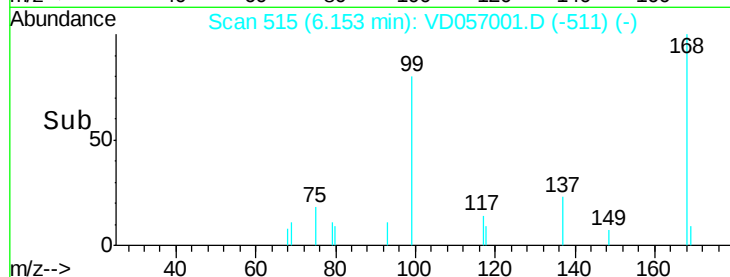
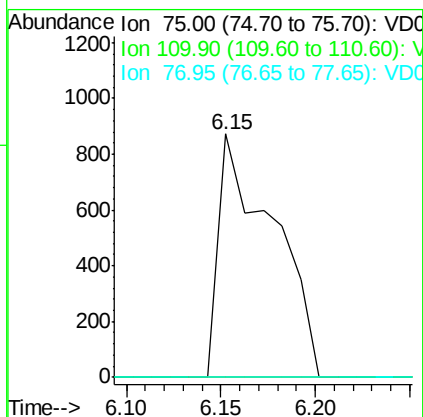
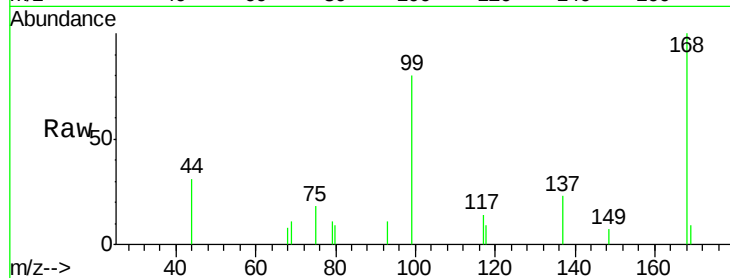




#36
 1,1-Dichloropropene
 Concen: 4.72 ug/l
 RT: 6.15 min Scan# 515
 Delta R.T. -0.16 min
 Lab File: VD057001.D
 Acq: 28 Mar 2018 14:52

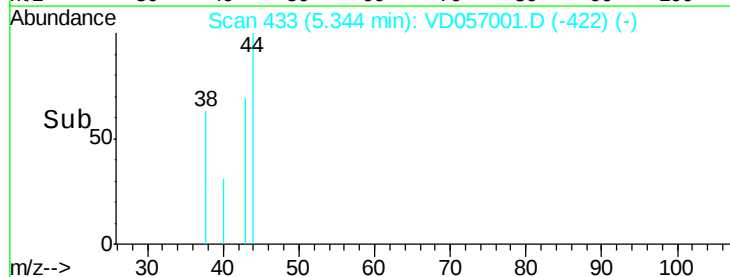
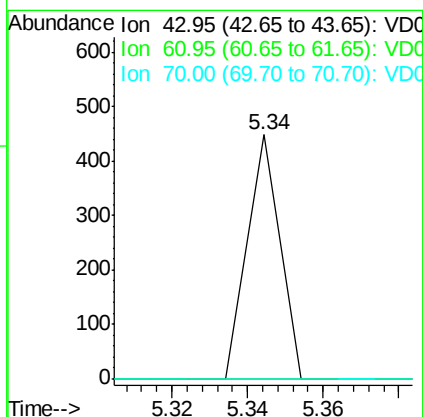
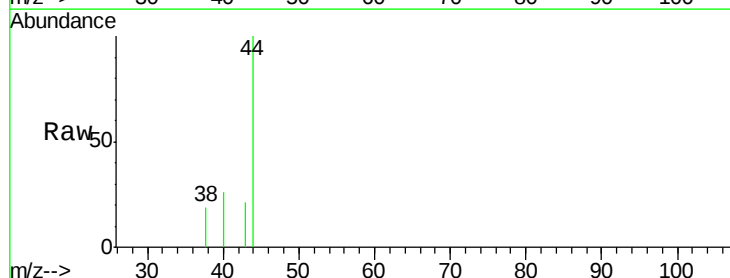
Instrument :
 MSVOA_X
 ClientSampled :
 RO-CV-2043

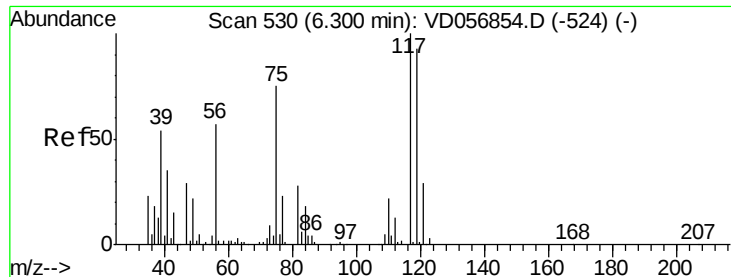
Tgt Ion: 75 Resp: 1747
 Ion Ratio Lower Upper
 75 100
 110 0.0 15.9 47.6#
 77 0.0 23.8 35.6#



#37
 Ethyl Acetate
 Concen: 2.89 ug/l
 RT: 5.34 min Scan# 433
 Delta R.T. -0.09 min
 Lab File: VD057001.D
 Acq: 28 Mar 2018 14:52

Tgt Ion: 43 Resp: 265
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.0 15.0#
 70 0.0 7.9 11.9#





#38

Carbon Tetrachloride

Concen: 7.53 ug/l

RT: 6.17 min Scan# 517

Delta R.T. -0.12 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

Instrument :

MSVOA_X

ClientSampled :

RO-CV-2043

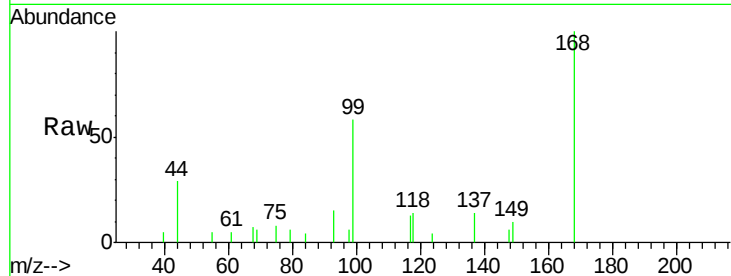
Tgt Ion:117 Resp: 2393

Ion Ratio Lower Upper

117 100

119 0.0 78.2 117.2#

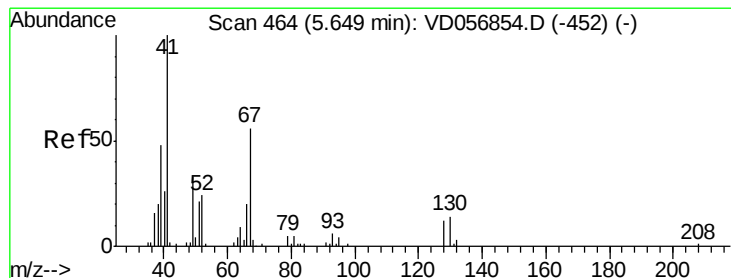
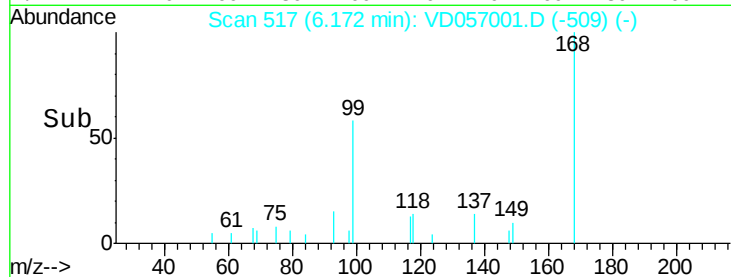
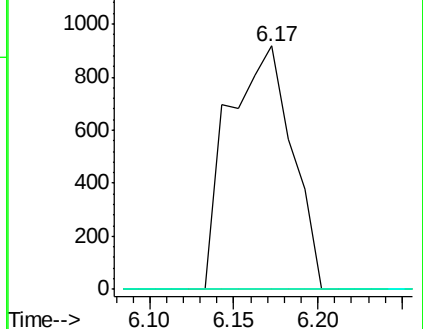
121 0.0 24.6 37.0#



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: 2.40 ug/l

RT: 5.68 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

Tgt Ion: 41 Resp: 238

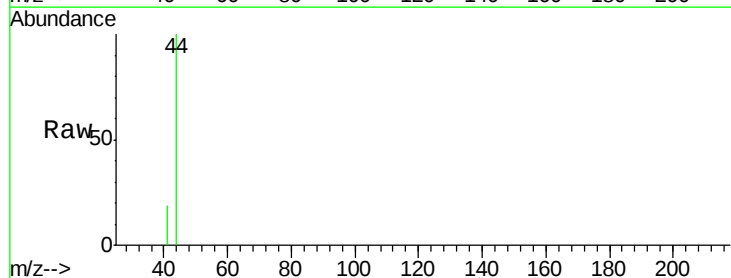
Ion Ratio Lower Upper

41 100

39 0.0 43.0 64.4#

67 0.0 48.3 72.5#

52 0.0 17.4 26.2#

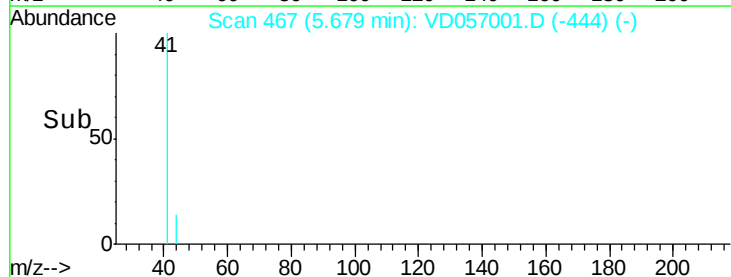
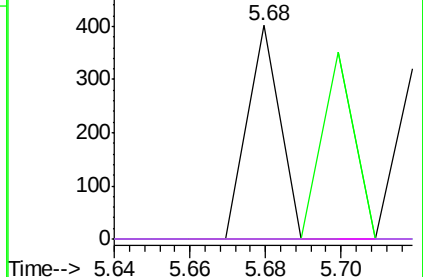


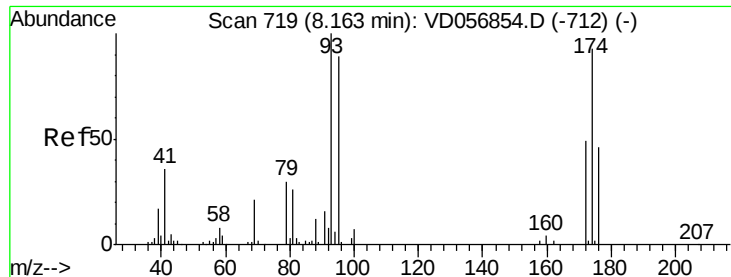
Abundance Ion 40.95 (40.65 to 41.65): VDC

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

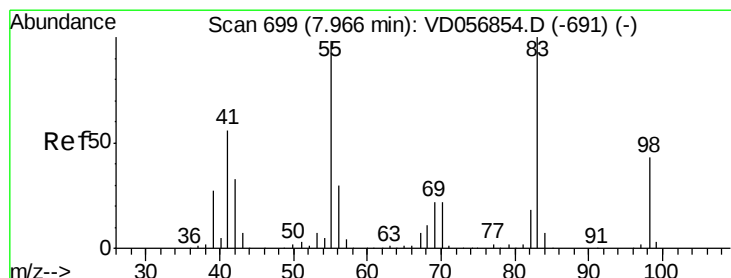
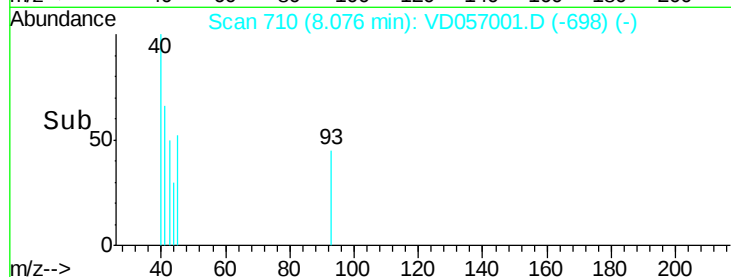
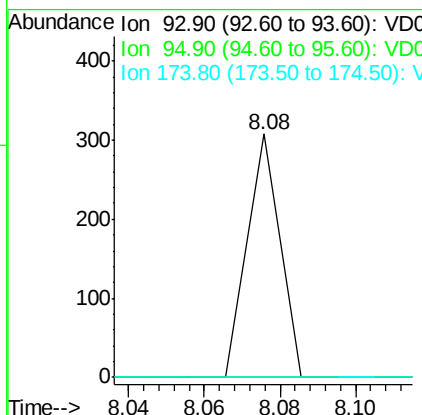
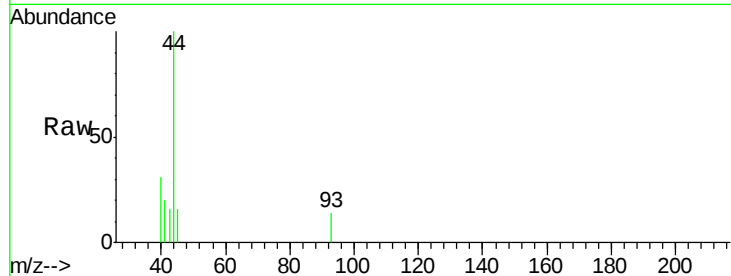




#46
Dibromomethane
Concen: 1.32 ug/l
RT: 8.08 min Scan# 710
Delta R.T. -0.08 min
Lab File: VD057001.D
Acq: 28 Mar 2018 14:52

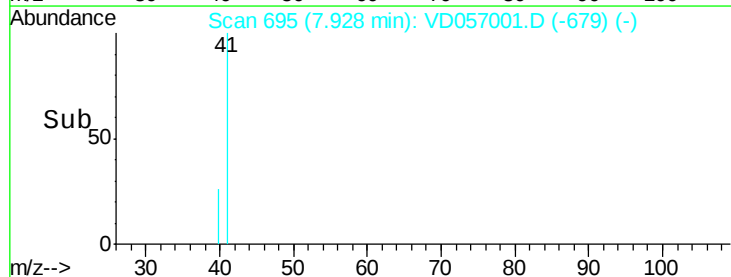
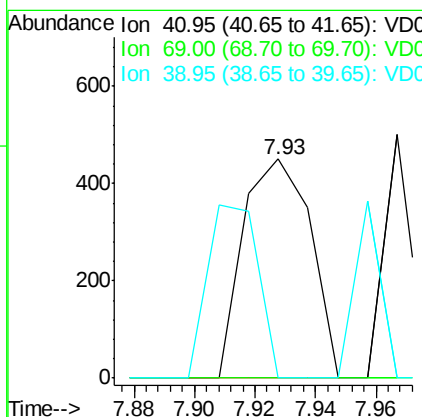
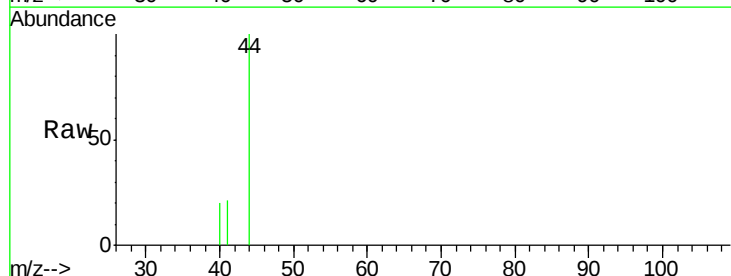
Instrument :
MSVOA_X
ClientSampleId :
RO-CV-2043

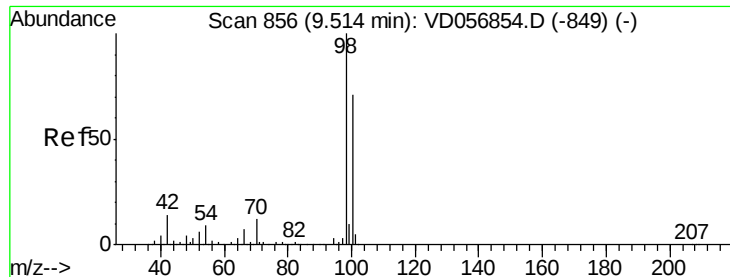
Tgt Ion: 93 Resp: 182
Ion Ratio Lower Upper
93 100
95 0.0 65.0 97.6#
174 0.0 71.8 107.8#



#48
Methyl methacrylate
Concen: 3.03 ug/l
RT: 7.93 min Scan# 695
Delta R.T. -0.04 min
Lab File: VD057001.D
Acq: 28 Mar 2018 14:52

Tgt Ion: 41 Resp: 699
Ion Ratio Lower Upper
41 100
69 0.0 34.8 52.2#
39 0.0 43.3 64.9#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.48 min Scan# 852

Delta R.T. -0.04 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

Instrument :

MSVOA_X

ClientSampleId :

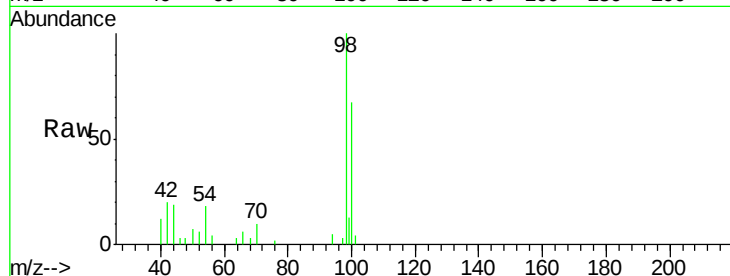
RO-CV-2043

Tgt Ion: 98 Resp: 34345

Ion Ratio Lower Upper

98 100

100 66.7 56.2 84.4



Abundance Ion 98.05 (97.75 to 98.75): VD056854.D (-849) (-)

Ion 100.05 (99.75 to 100.75): VD056854.D (-849) (-)

9.48

15000

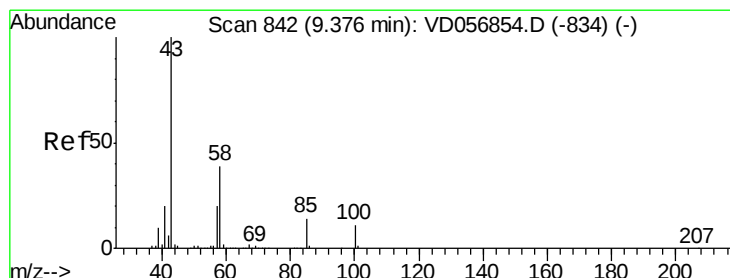
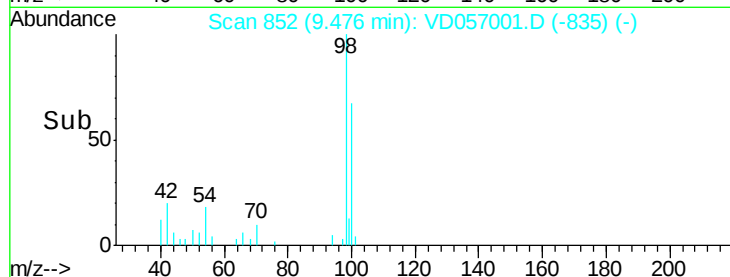
10000

5000

0

9.40 9.45 9.50 9.55 9.60

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.35 ug/l

RT: 9.37 min Scan# 841

Delta R.T. -0.01 min

Lab File: VD057001.D

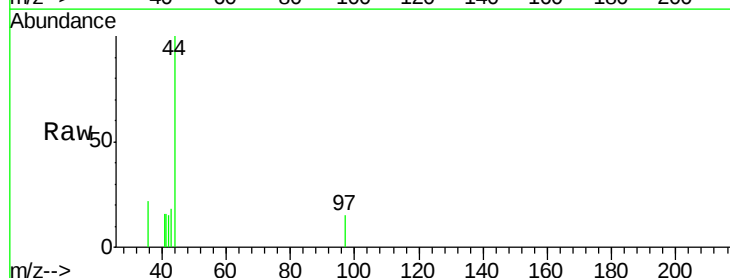
Acq: 28 Mar 2018 14:52

Tgt Ion: 43 Resp: 413

Ion Ratio Lower Upper

43 100

58 0.0 29.4 44.2#



Abundance Ion 42.95 (42.65 to 43.65): VD056854.D (-834) (-)

Ion 57.95 (57.65 to 58.65): VD056854.D (-834) (-)

9.37

400

300

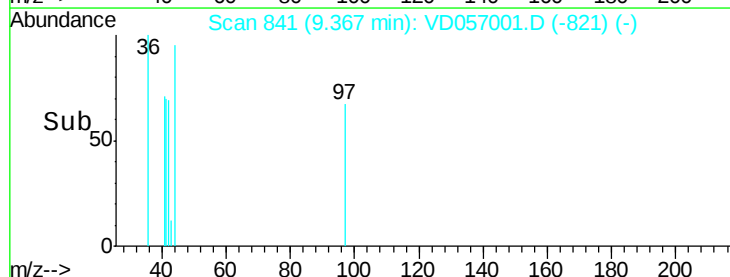
200

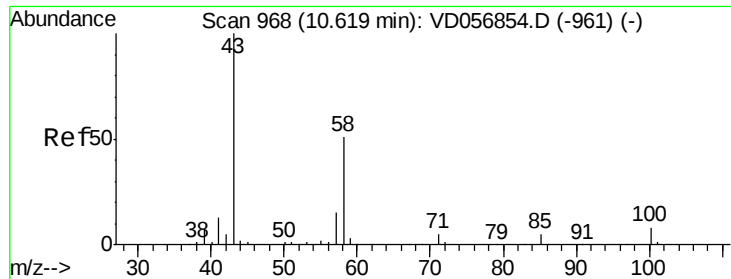
100

0

9.34 9.36 9.38 9.40

Time-->

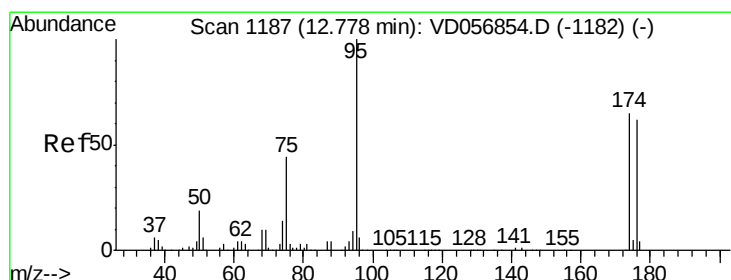
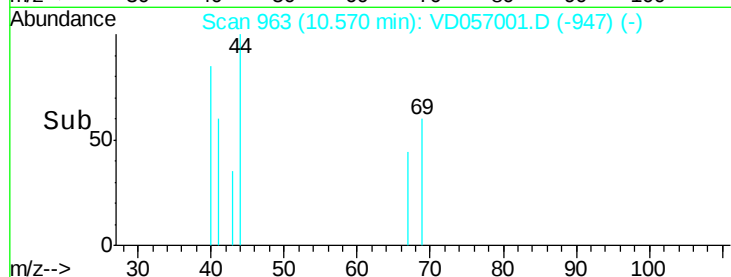
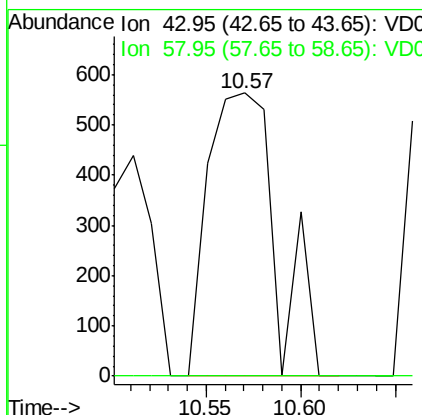
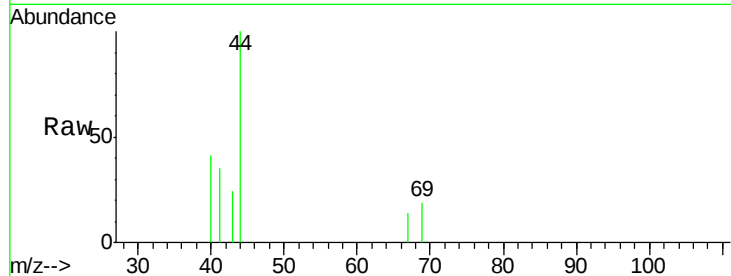




#59
2-Hexanone
Concen: 10.43 ug/l
RT: 10.57 min Scan# 963
Delta R.T. -0.04 min
Lab File: VD057001.D
Acq: 28 Mar 2018 14:52

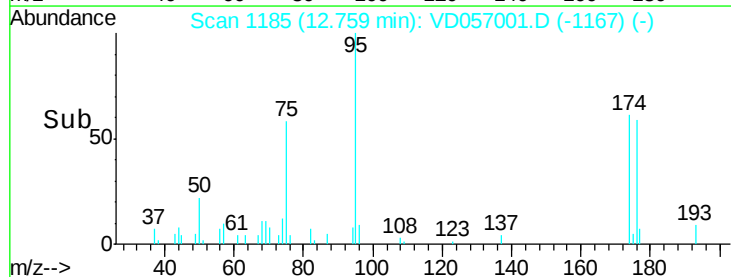
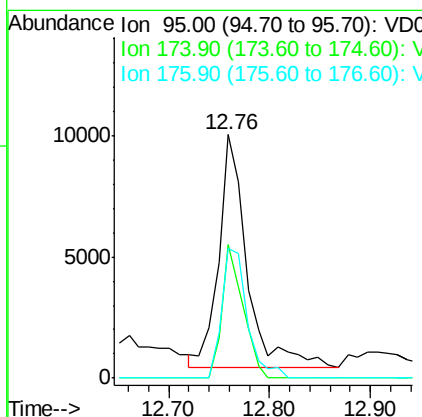
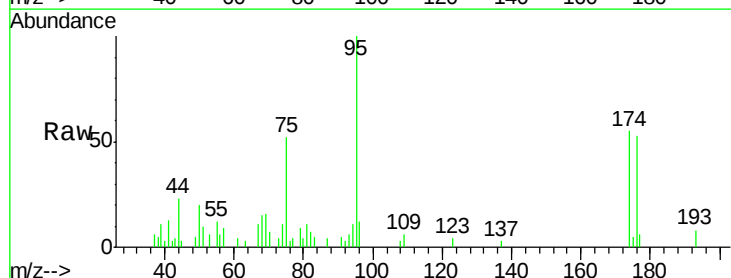
Instrument :
MSVOA_X
ClientSampleId :
RO-CV-2043

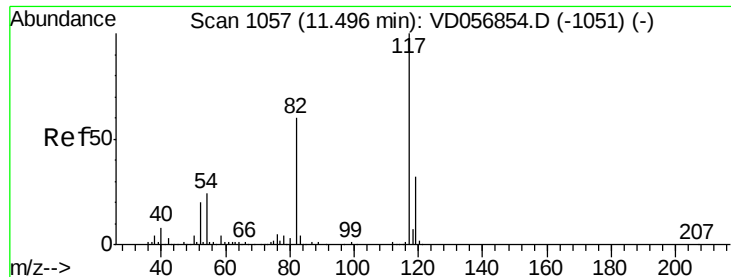
Tgt Ion: 43 Resp: 1417
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.4#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.76 min Scan# 1185
Delta R.T. -0.03 min
Lab File: VD057001.D
Acq: 28 Mar 2018 14:52

Tgt Ion: 95 Resp: 18621
Ion Ratio Lower Upper
95 100
174 54.7 0.0 143.6
176 53.0 0.0 141.2

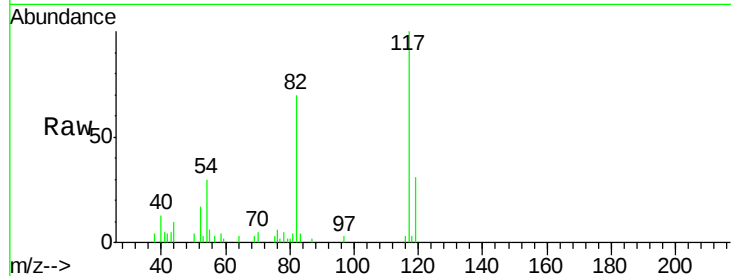




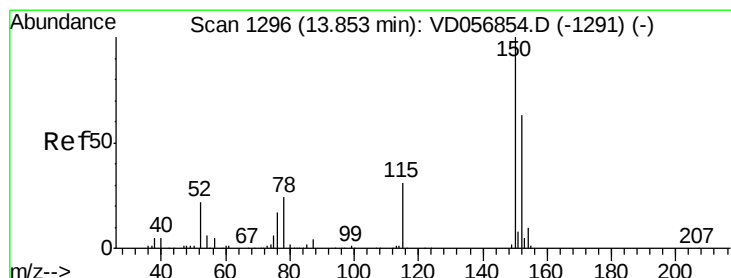
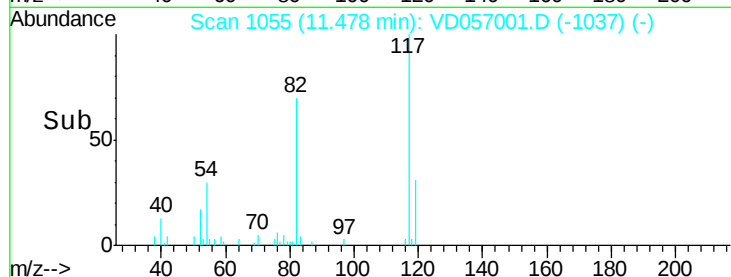
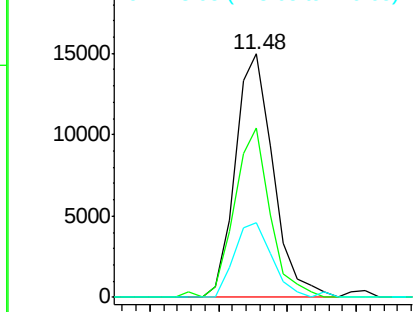
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.48 min Scan# 1055
Delta R.T. -0.03 min
Lab File: VD057001.D
Acq: 28 Mar 2018 14:52

Instrument :
MSVOA_X
ClientSampleId :
RO-CV-2043

Tgt Ion:117 Resp: 28698
Ion Ratio Lower Upper
117 100
82 69.6 46.2 69.4#
119 30.8 25.8 38.6

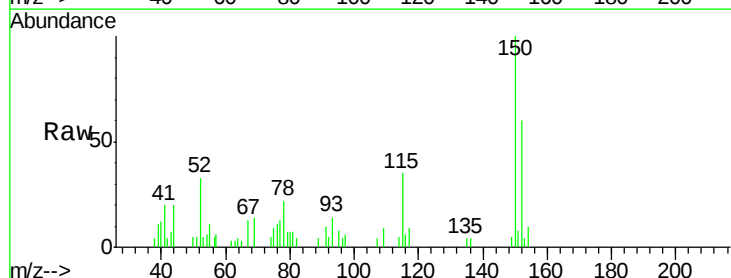


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

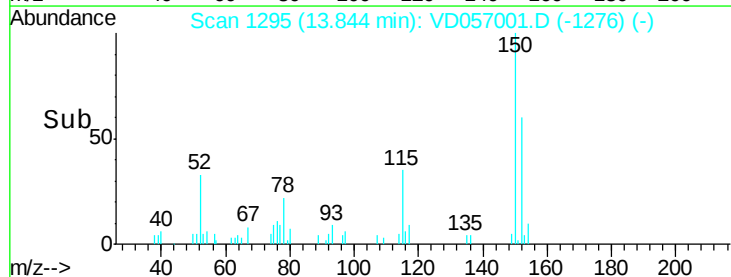
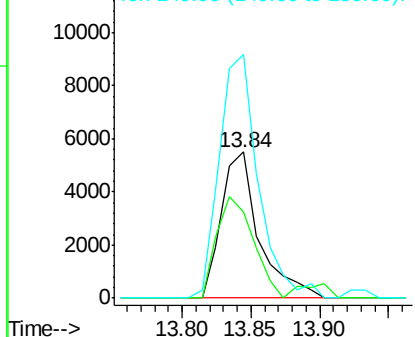


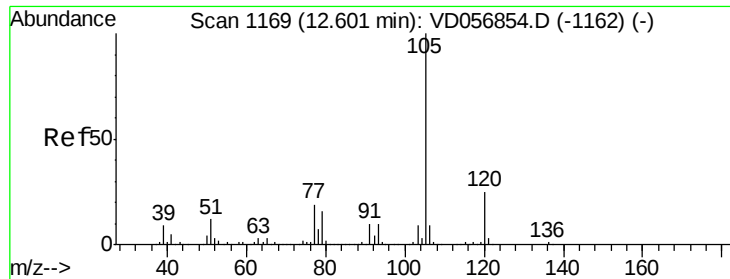
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.84 min Scan# 1295
Delta R.T. -0.02 min
Lab File: VD057001.D
Acq: 28 Mar 2018 14:52

Tgt Ion:152 Resp: 10483
Ion Ratio Lower Upper
152 100
115 58.6 31.2 93.6
150 166.4 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





#73

Isopropylbenzene

Concen: 2.94 ug/l

RT: 12.58 min Scan# 1167

Delta R.T. -0.03 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

Instrument :

MSVOA_X

ClientSampleId :

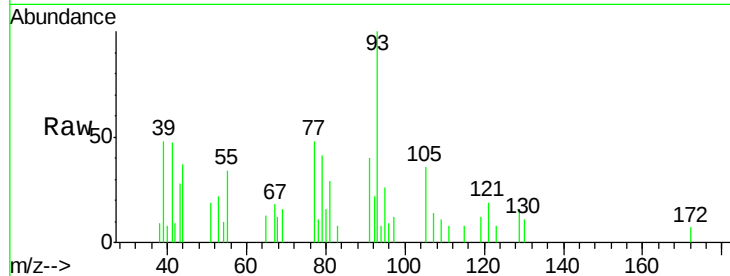
RO-CV-2043

Tgt Ion: 105 Resp: 2870

Ion Ratio Lower Upper

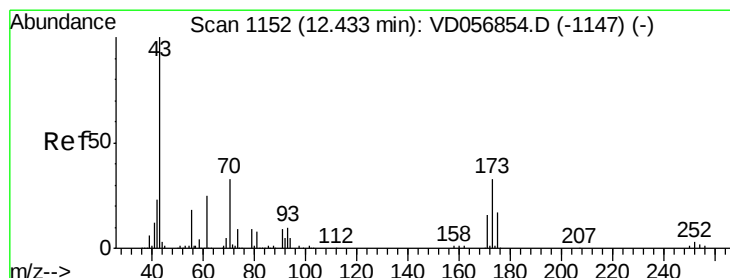
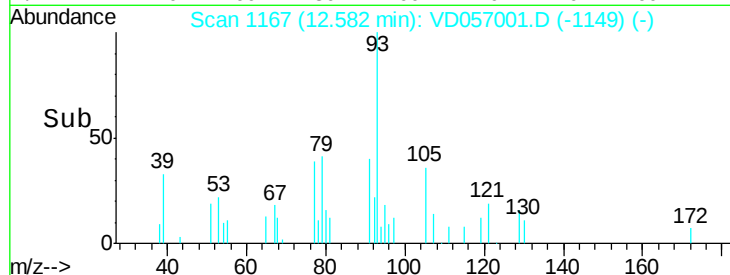
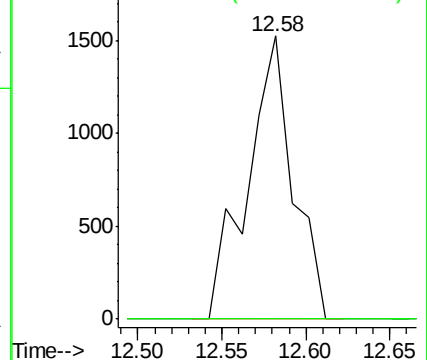
105 100

120 0.0 12.7 38.0#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 1.90 ug/l

RT: 12.46 min Scan# 1155

Delta R.T. 0.02 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

Tgt Ion: 43 Resp: 576

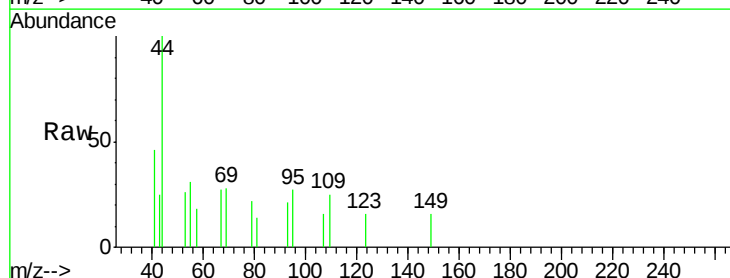
Ion Ratio Lower Upper

43 100

70 0.0 27.4 41.2#

55 122.0 15.2 22.8#

61 0.0 20.6 31.0#

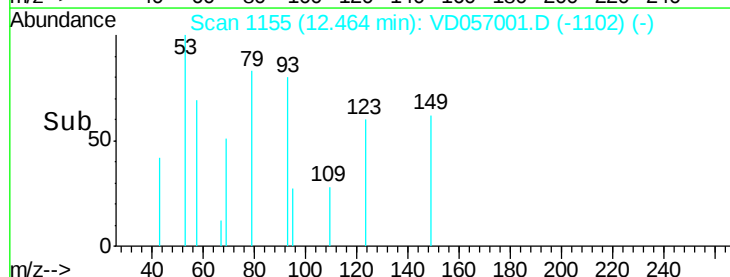
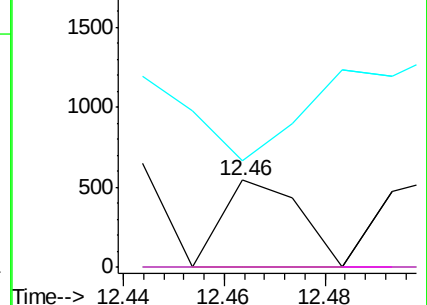


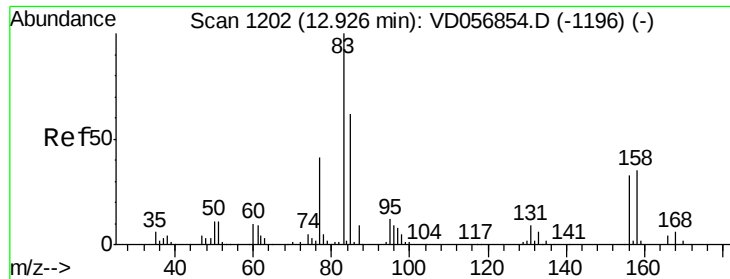
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 10.28 ug/l

RT: 12.93 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

Instrument :

MSVOA_X

ClientSampled :

RO-CV-2043

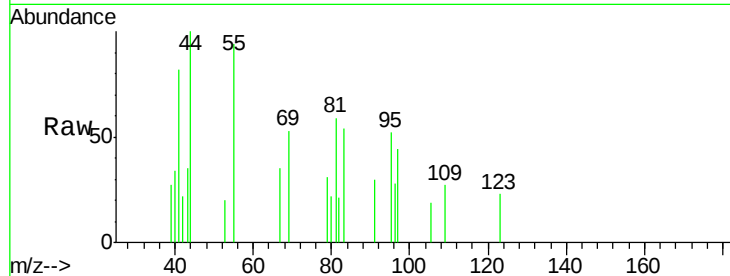
Tgt Ion: 83 Resp: 1843

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

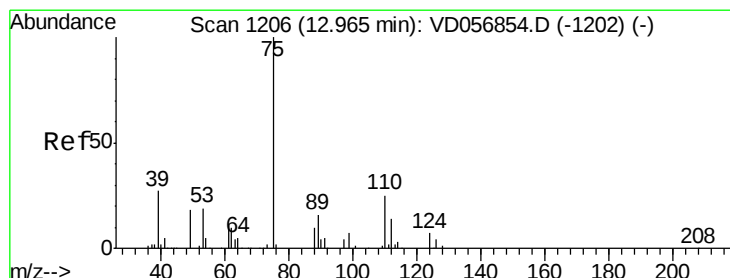
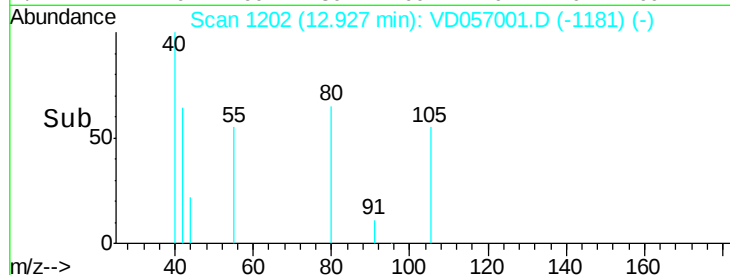
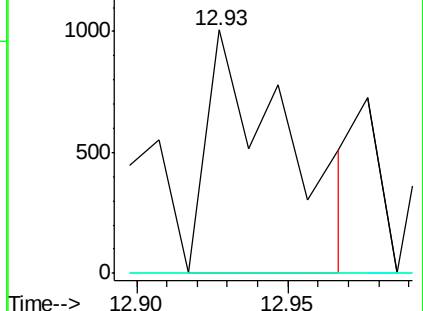
85 0.0 32.0 96.2#



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 1.02 ug/l

RT: 12.82 min Scan# 1191

Delta R.T. -0.15 min

Lab File: VD057001.D

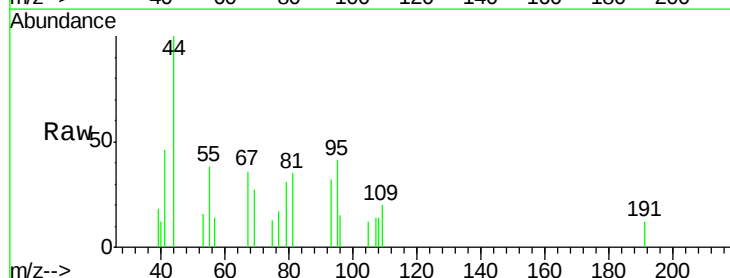
Acq: 28 Mar 2018 14:52

Tgt Ion: 75 Resp: 203

Ion Ratio Lower Upper

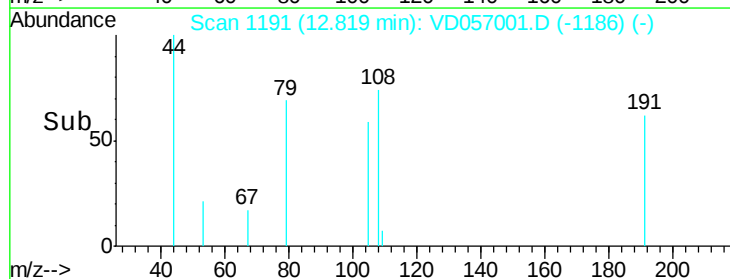
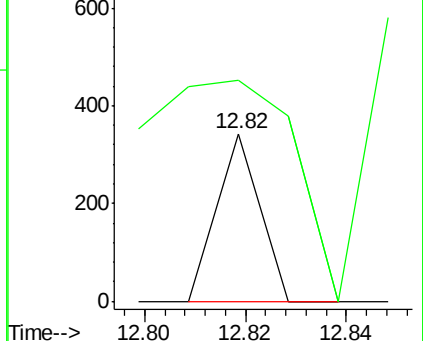
75 100

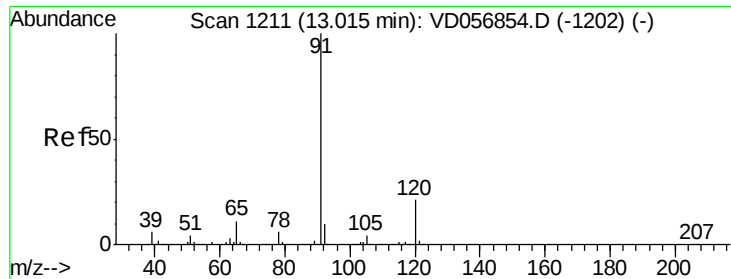
77 132.1 16.0 48.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#78

n-propylbenzene

Concen: 1.04 ug/l

RT: 13.00 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

Instrument :

MSVOA_X

ClientSampled :

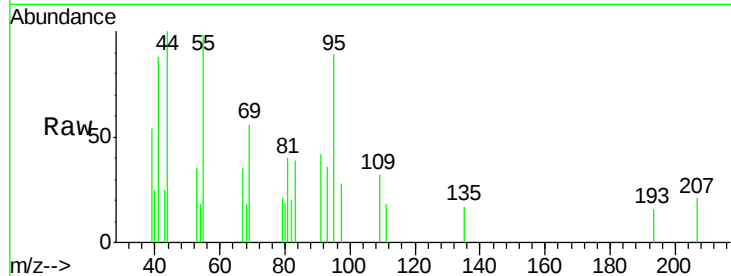
RO-CV-2043

Tgt Ion: 91 Resp: 1254

Ion Ratio Lower Upper

91 100

120 0.0 10.0 29.8#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): VDC

13.00

800

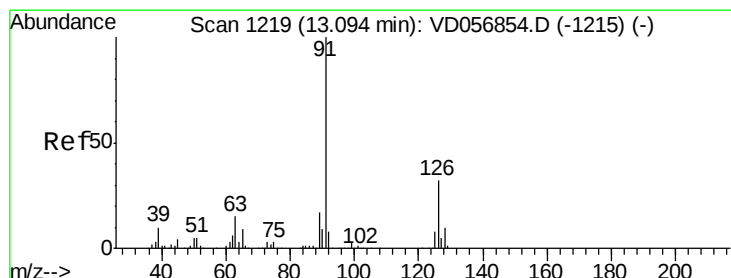
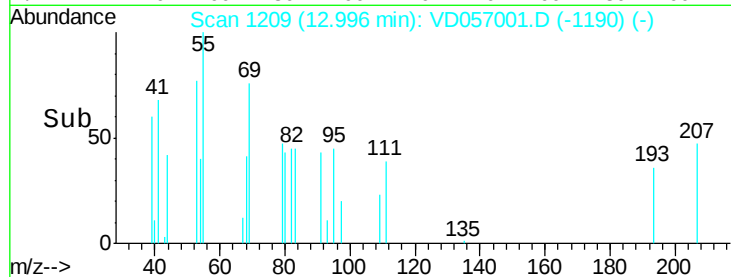
600

400

200

0

Time-->



#79

2-Chlorotoluene

Concen: 1.80 ug/l

RT: 13.09 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VD057001.D

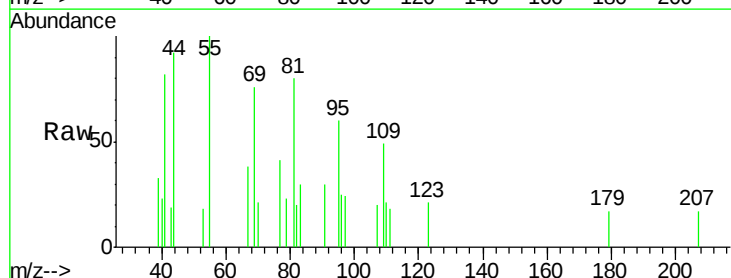
Acq: 28 Mar 2018 14:52

Tgt Ion: 91 Resp: 1181

Ion Ratio Lower Upper

91 100

126 0.0 17.0 50.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): VDC

13.09

800

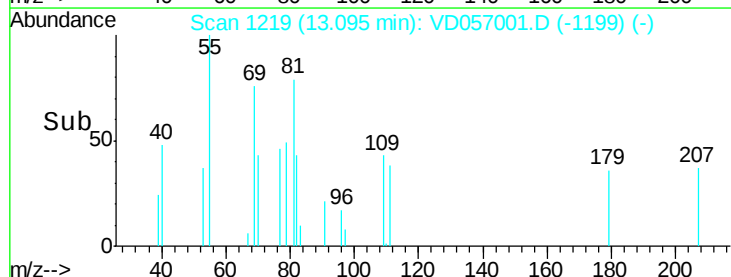
600

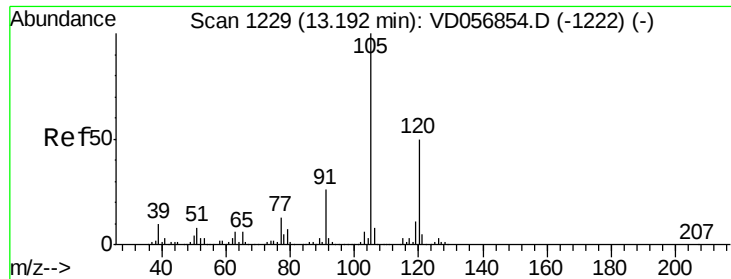
400

200

0

Time-->

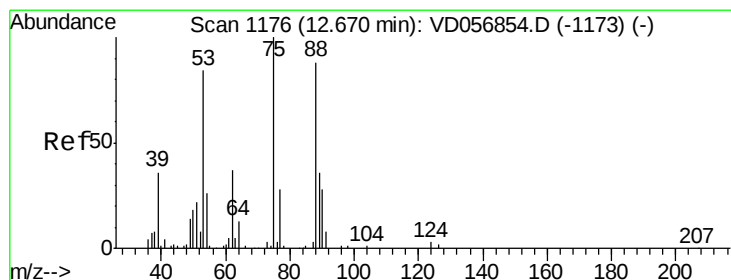
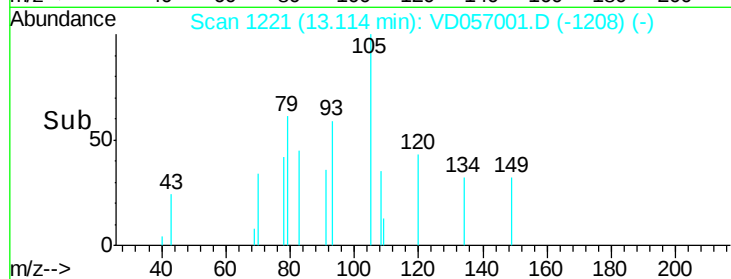
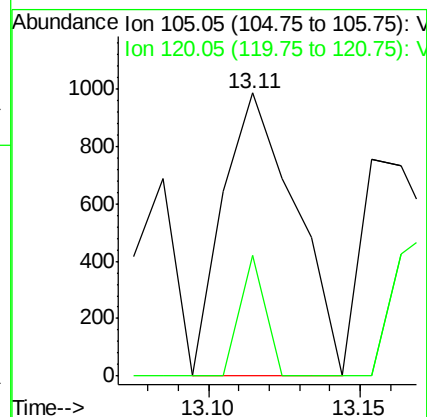
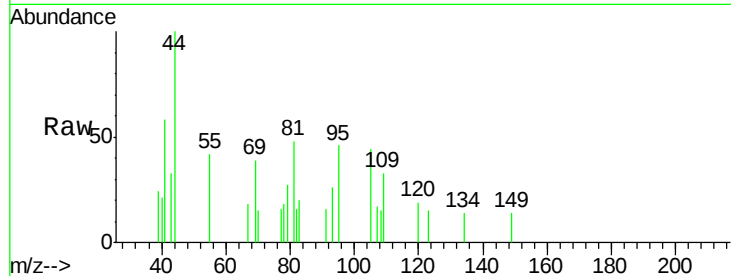




#80
 1,3,5-Trimethylbenzene
 Concen: 2.20 ug/l
 RT: 13.11 min Scan# 1221
 Delta R.T. -0.07 min
 Lab File: VD057001.D
 Acq: 28 Mar 2018 14:52

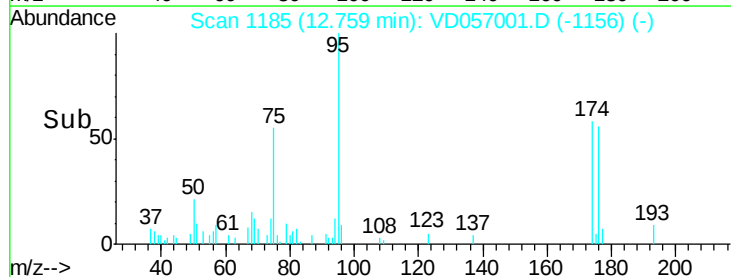
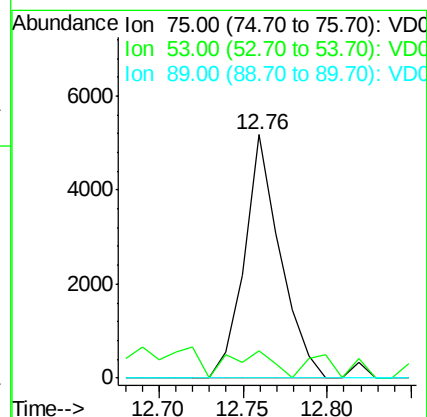
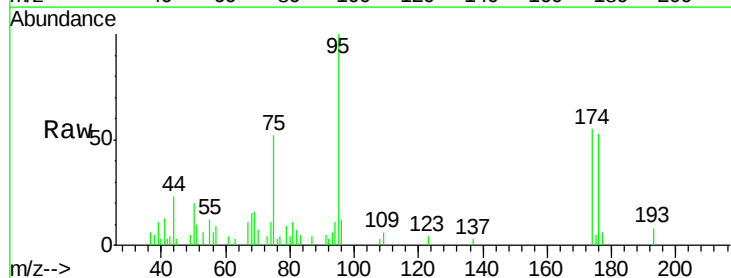
Instrument :
 MSVOA_X
 ClientSampled :
 RO-CV-2043

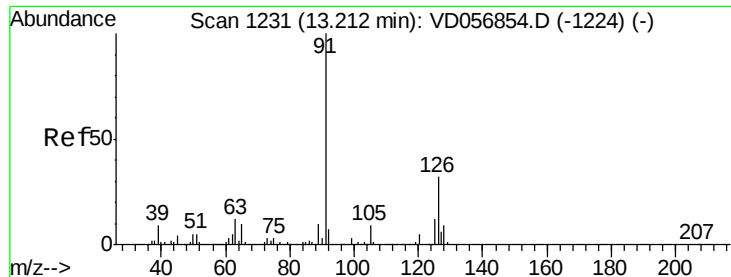
Tgt Ion: 105 Resp: 1657
 Ion Ratio Lower Upper
 105 100
 120 42.6 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.18 ug/l
 RT: 12.76 min Scan# 1185
 Delta R.T. 0.08 min
 Lab File: VD057001.D
 Acq: 28 Mar 2018 14:52

Tgt Ion: 75 Resp: 7642
 Ion Ratio Lower Upper
 75 100
 53 11.0 64.5 96.7#
 89 0.0 31.6 47.4#

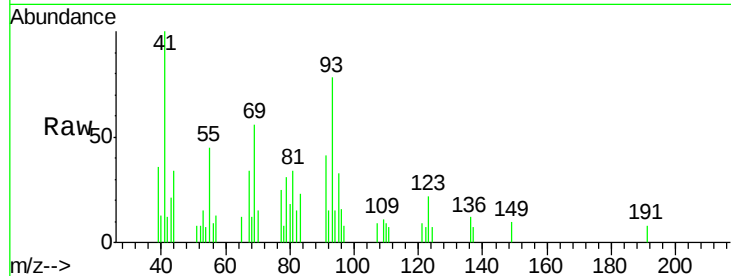




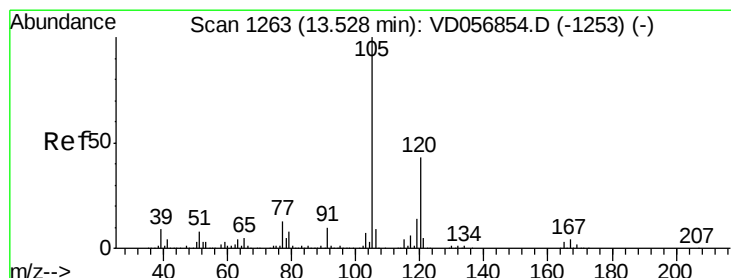
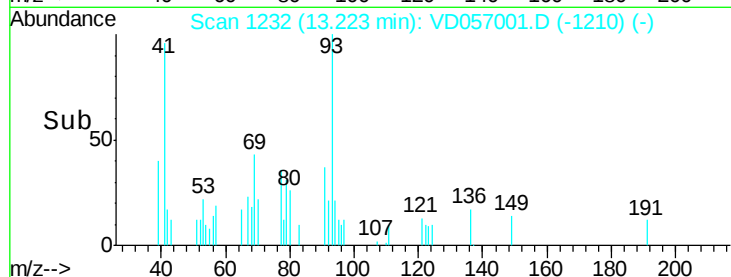
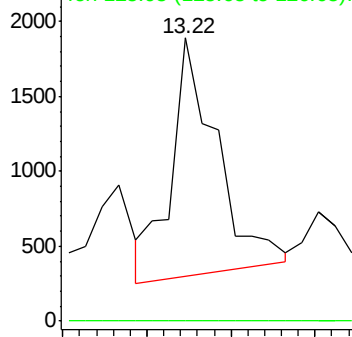
#82
4-Chlorotoluene
Concen: 3.64 ug/l
RT: 13.22 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD057001.D
Acq: 28 Mar 2018 14:52

Instrument :
MSVOA_X
ClientSampled :
RO-CV-2043

Tgt Ion: 91 Resp: 2990
Ion Ratio Lower Upper
91 100
126 0.0 14.9 44.7#

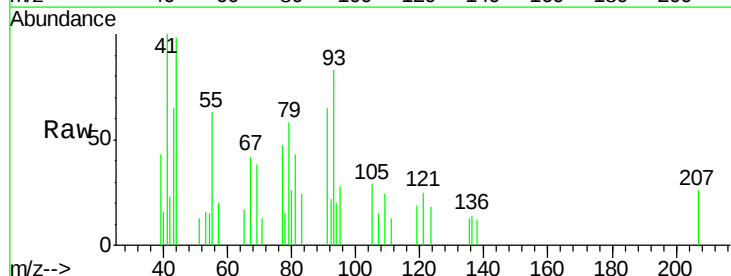


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

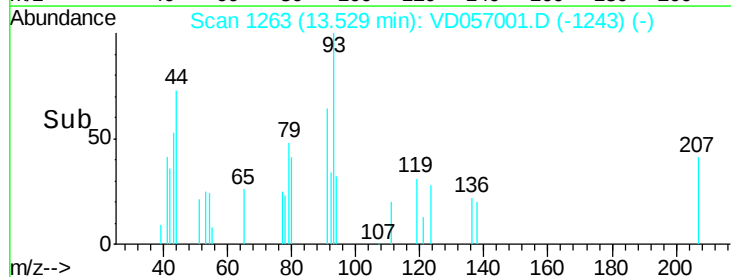
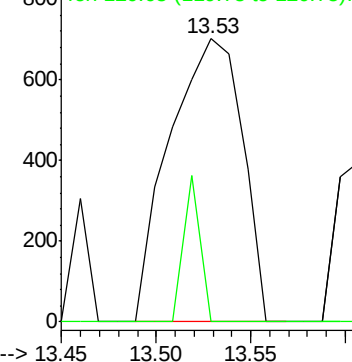


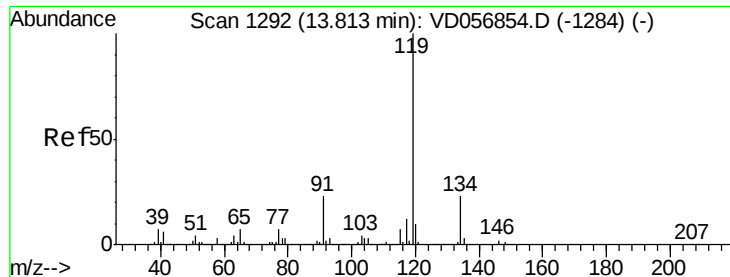
#84
1,2,4-Trimethylbenzene
Concen: 2.47 ug/l
RT: 13.53 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD057001.D
Acq: 28 Mar 2018 14:52

Tgt Ion: 105 Resp: 1872
Ion Ratio Lower Upper
105 100
120 0.0 23.5 70.5#



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

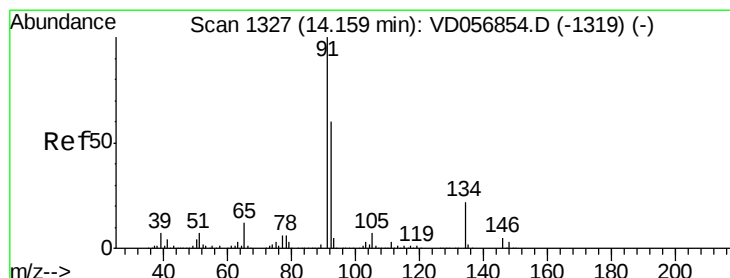
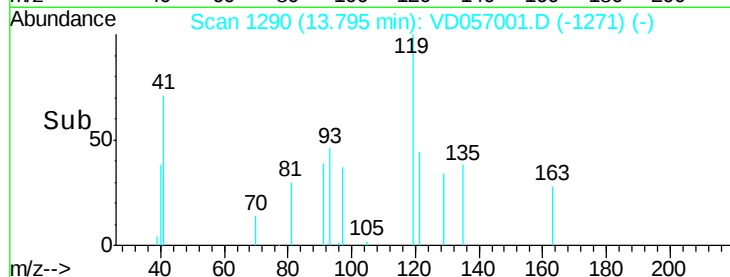
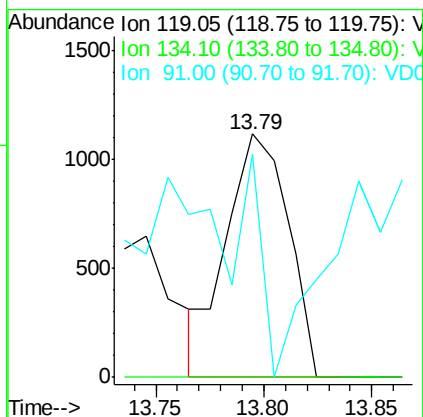
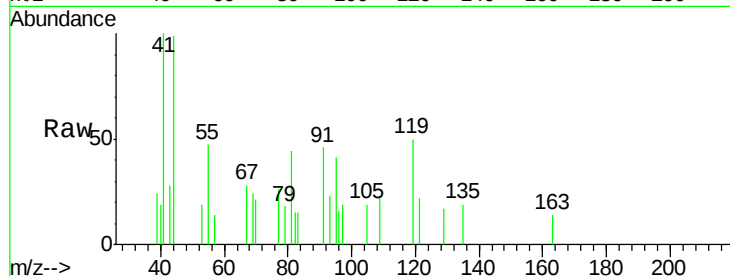




#86
p-Isopropyltoluene
Concen: 2.71 ug/l
RT: 13.79 min Scan# 1290
Delta R.T. -0.02 min
Lab File: VD057001.D
Acq: 28 Mar 2018 14:52

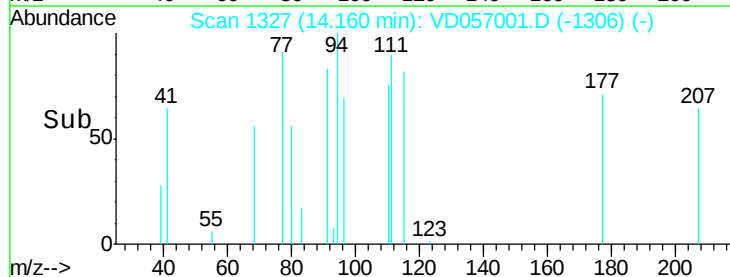
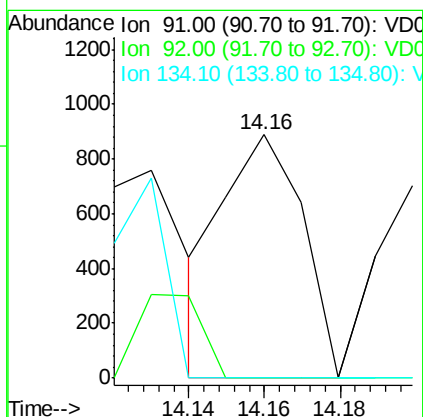
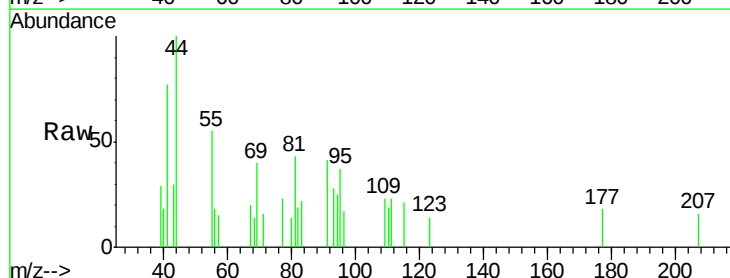
Instrument :
MSVOA_X
ClientSampleId :
RO-CV-2043

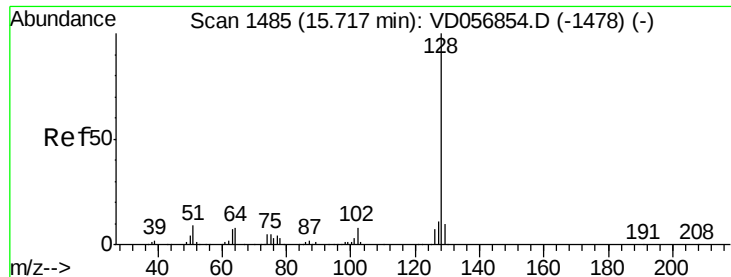
Tgt Ion: 119 Resp: 2218
Ion Ratio Lower Upper
119 100
134 0.0 12.0 36.1#
91 91.5 12.4 37.0#



#89
n-Butylbenzene
Concen: 1.58 ug/l
RT: 14.16 min Scan# 1327
Delta R.T. 0.00 min
Lab File: VD057001.D
Acq: 28 Mar 2018 14:52

Tgt Ion: 91 Resp: 1297
Ion Ratio Lower Upper
91 100
92 0.0 30.2 90.6#
134 0.0 10.4 31.4#





#95

Naphthalene

Concen: 8.54 ug/l

RT: 15.71 min Scan# 1484

Delta R.T. -0.01 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

Instrument :

MSVOA_X

ClientSampled :

RO-CV-2043

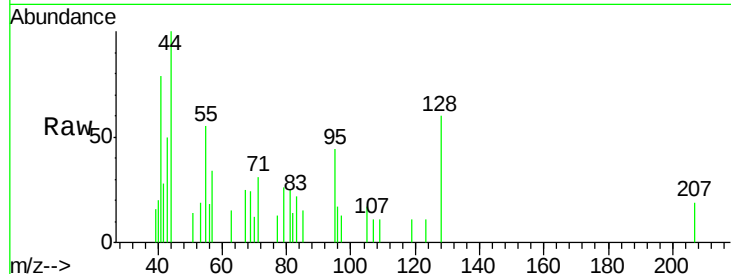
Tgt Ion:128 Resp: 3156

Ion Ratio Lower Upper

128 100

127 0.0 9.3 13.9#

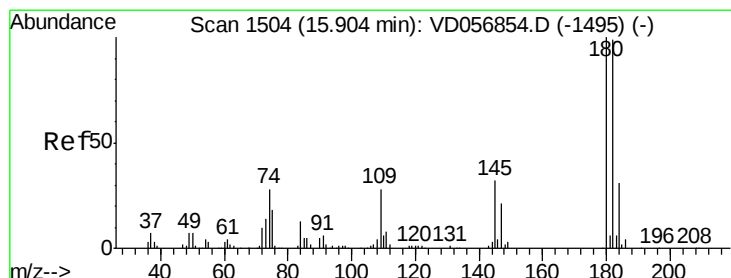
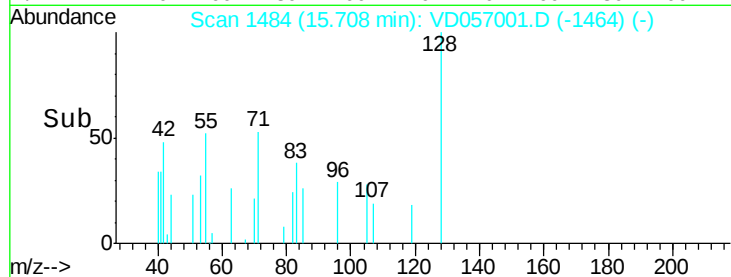
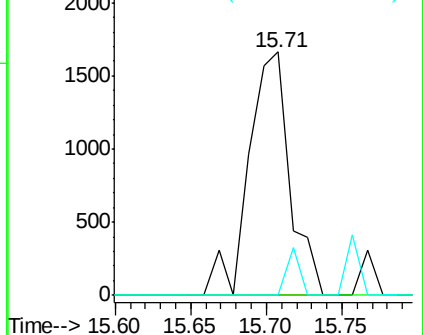
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.18 ug/l

RT: 15.97 min Scan# 1511

Delta R.T. 0.07 min

Lab File: VD057001.D

Acq: 28 Mar 2018 14:52

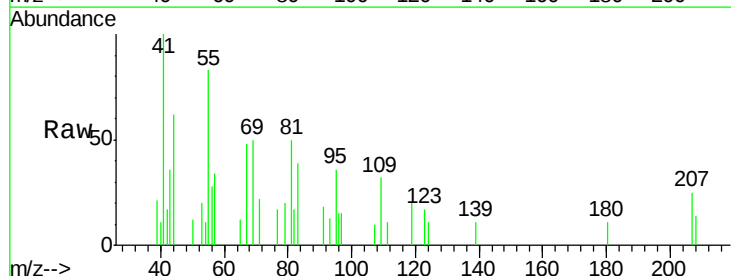
Tgt Ion:180 Resp: 199

Ion Ratio Lower Upper

180 100

182 0.0 47.2 141.6#

145 0.0 16.9 50.7#



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

