

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD032818\
 Data File : VD056996.D
 Acq On : 28 Mar 2018 11:32
 Operator : JC/SY
 Sample : VD0328SBL01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VD0328SBL01

Quant Time: Mar 29 05:49:29 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	474890	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.28	114	851144	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.47	117	660172	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.83	152	256090	50.00	ug/l	-0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.56	65	305526	57.67	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	115.34%	
35) Dibromofluoromethane	6.06	113	340264	56.30	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	112.60%	
50) Toluene-d8	9.47	98	974811	52.43	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	104.86%	
62) 4-Bromofluorobenzene	12.76	95	367159	45.15	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	90.30%	

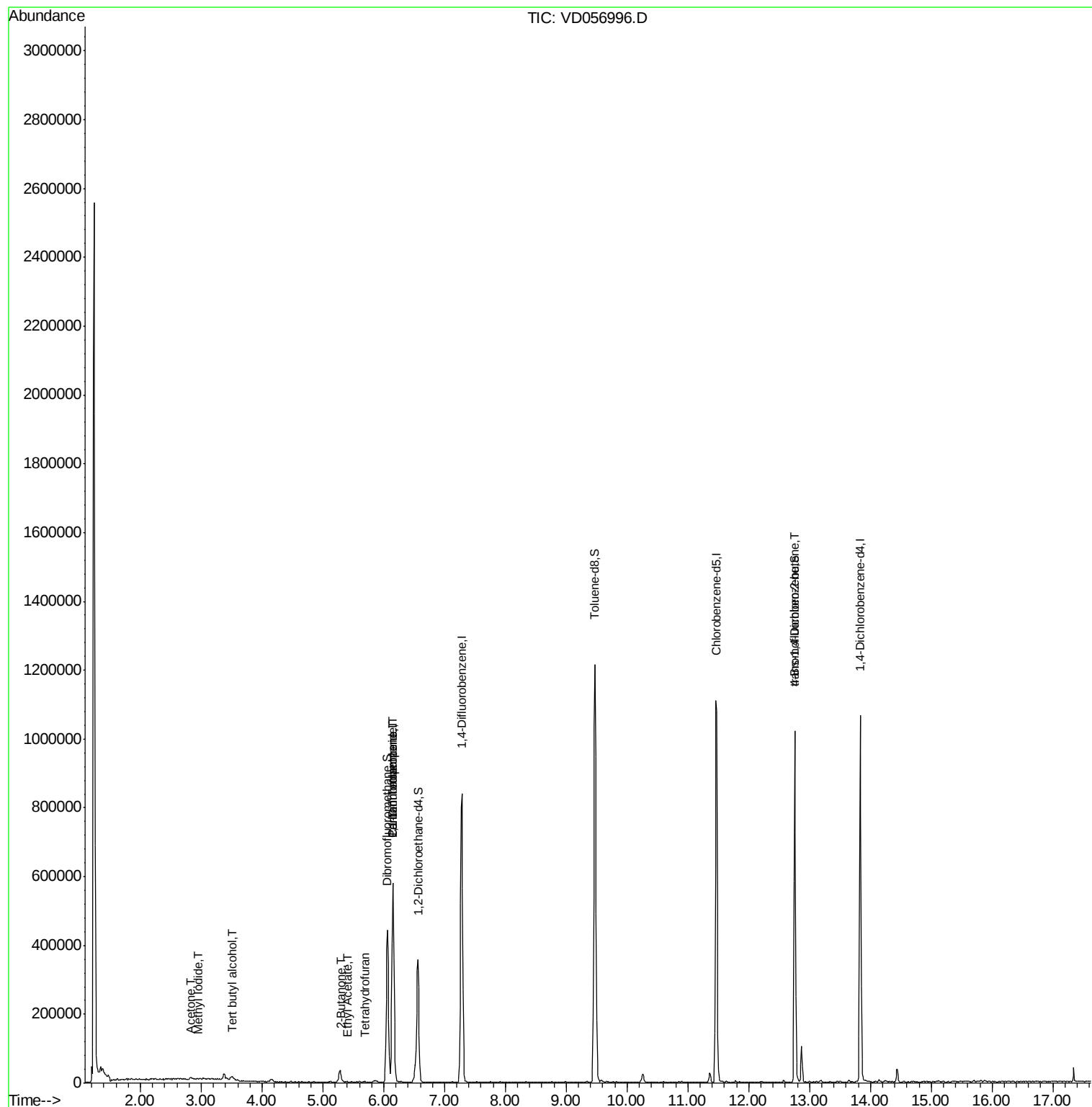
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.94	142	282	2.87	ug/l #	60
11) Tert butyl alcohol	3.52	59	5749	16.33	ug/l #	73
13) Acrolein	2.61	56	680	Below	Cal	93
16) Acetone	2.83	43	11384	14.05	ug/l	97
18) Methyl Acetate	3.23	43	606	Below	Cal #	57
20) Methylene Chloride	3.38	84	4735	Below	Cal	90
25) 2-Butanone	5.30	43	3807	2.03	ug/l #	56
29) Tetrahydrofuran	5.71	42	1335	1.27	ug/l #	52
31) Cyclohexane	6.16	56	11865	Below	Cal #	1
36) 1,1-Dichloropropene	6.15	75	49431	5.31	ug/l #	51
37) Ethyl Acetate	5.40	43	1082	1.76	ug/l #	70
38) Carbon Tetrachloride	6.16	117	49106	6.14	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.76	75	174001	124.13	ug/l #	18

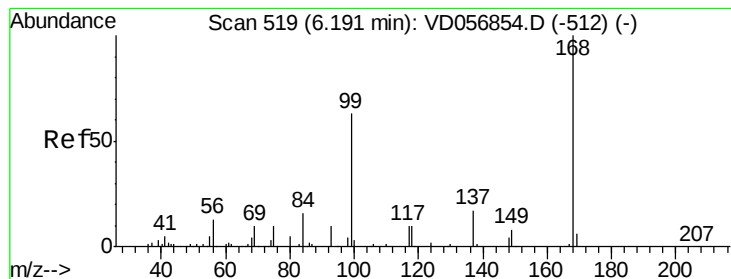
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.16 min Scan# 515

Delta R.T. -0.04 min

Lab File: VD056996.D

Acq: 28 Mar 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

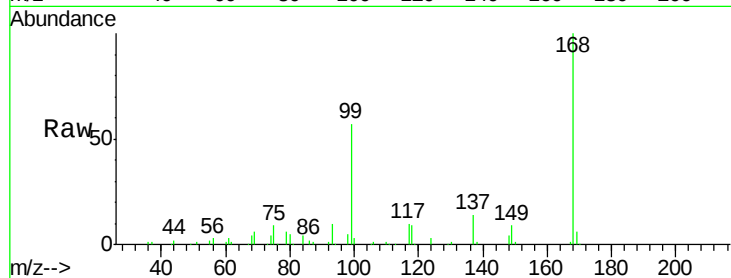
VD0328SBL01

Tgt Ion:168 Resp: 474890

Ion Ratio Lower Upper

168 100

99 57.1 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.16

200000

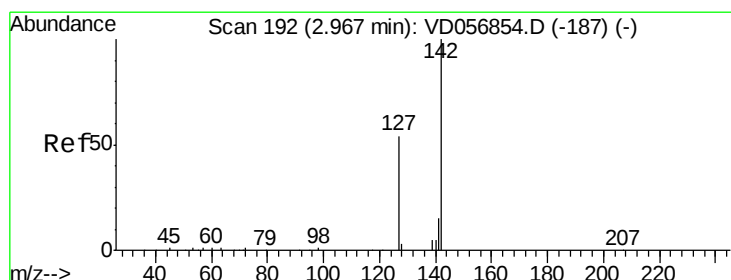
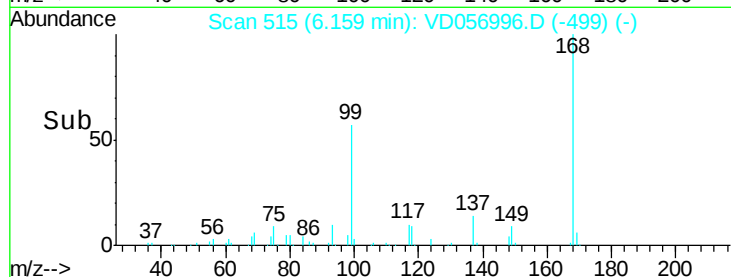
150000

100000

50000

0

Time--> 6.00 6.10 6.20 6.30



#10

Methyl Iodide

Concen: 2.87 ug/l

RT: 2.94 min Scan# 189

Delta R.T. -0.03 min

Lab File: VD056996.D

Acq: 28 Mar 2018 11:32

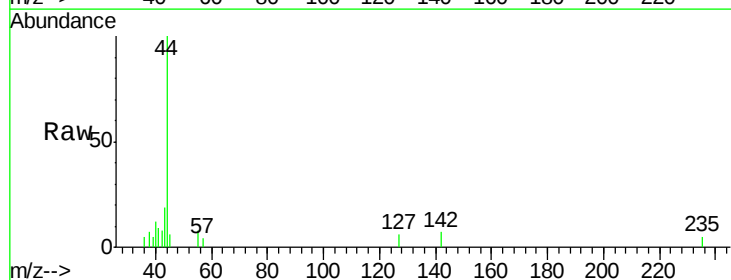
Tgt Ion:142 Resp: 282

Ion Ratio Lower Upper

142 100

127 85.1 44.3 66.5#

141 0.0 11.8 17.6#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

2.94

600

500

400

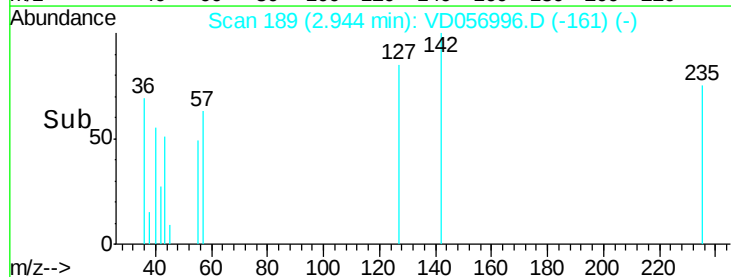
300

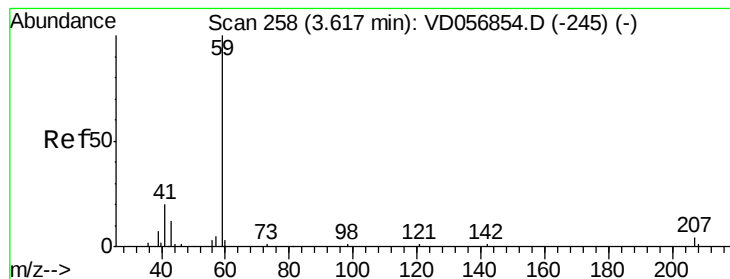
200

100

0

Time--> 2.92 2.94 2.96





#11

Tert butyl alcohol

Concen: 16.33 ug/l

RT: 3.52 min Scan# 247

Delta R.T. -0.10 min

Lab File: VD056996.D

Acq: 28 Mar 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

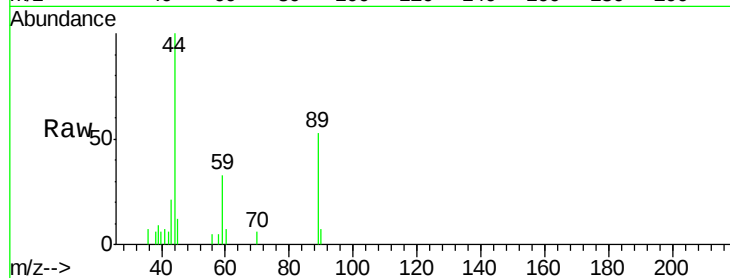
VD0328SBL01

Tgt Ion: 59 Resp: 5749

Ion Ratio Lower Upper

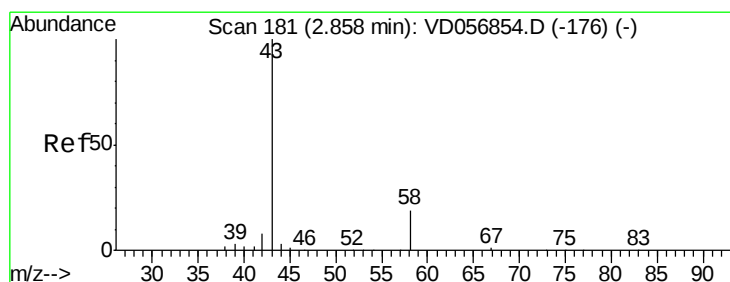
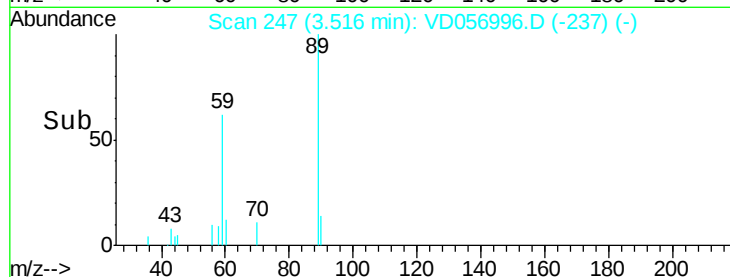
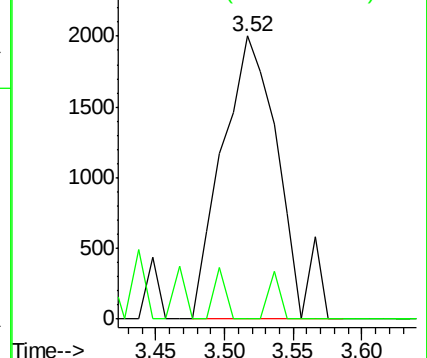
59 100

57 0.0 8.1 12.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#16

Acetone

Concen: 14.05 ug/l

RT: 2.83 min Scan# 177

Delta R.T. -0.04 min

Lab File: VD056996.D

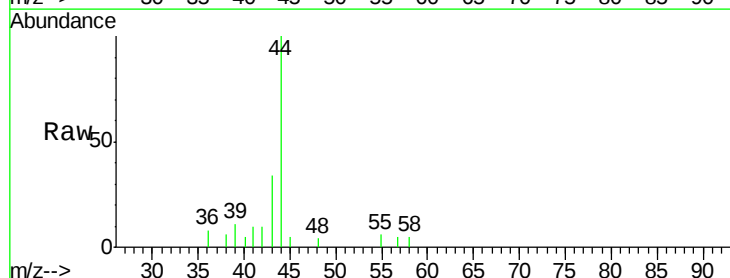
Acq: 28 Mar 2018 11:32

Tgt Ion: 43 Resp: 11384

Ion Ratio Lower Upper

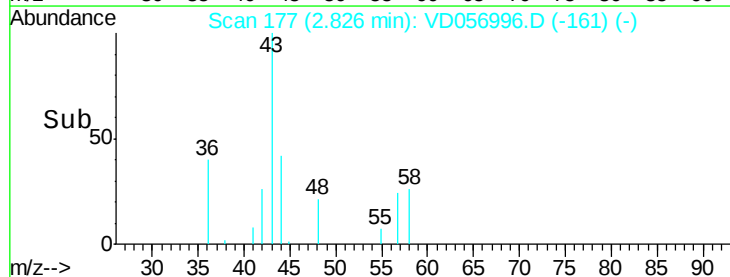
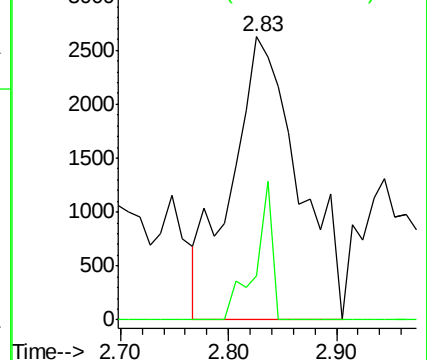
43 100

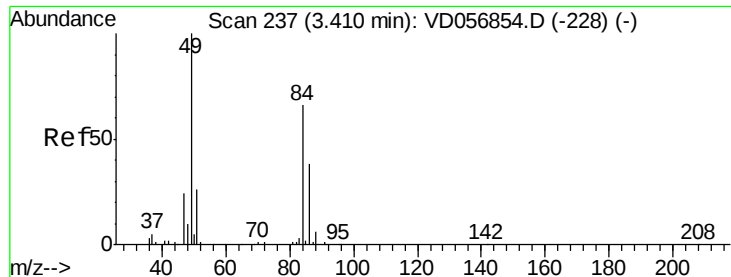
58 15.5 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

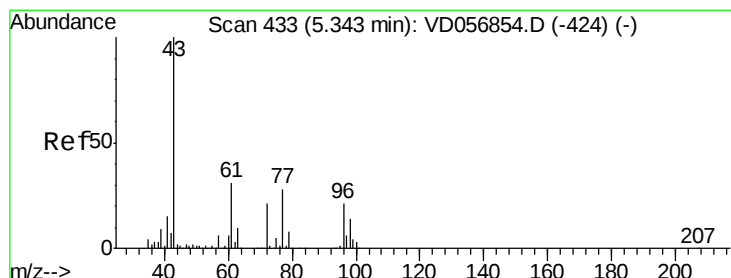
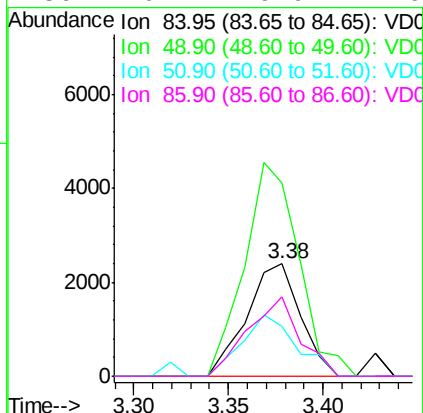
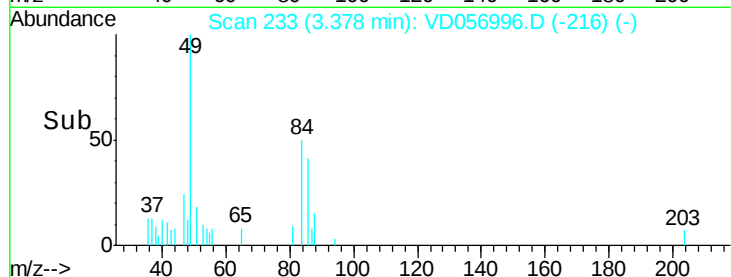
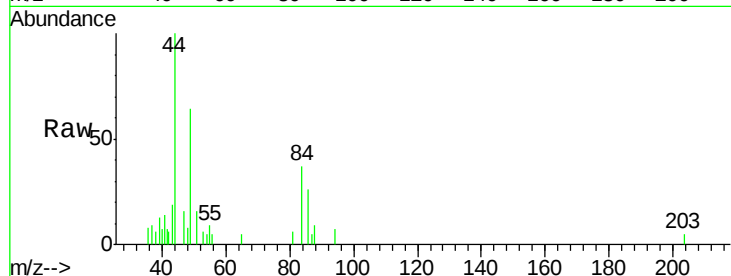




#20
Methylene Chloride
Concen: Below Cal
RT: 3.38 min Scan# 233
Delta R.T. -0.03 min
Lab File: VD056996.D
Acq: 28 Mar 2018 11:32

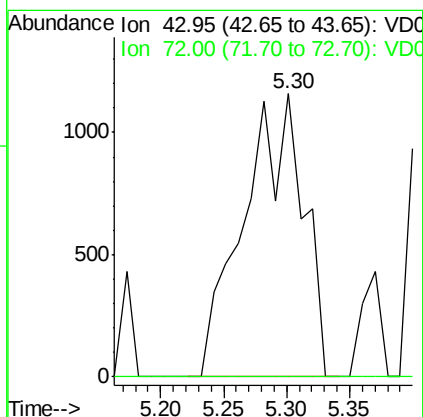
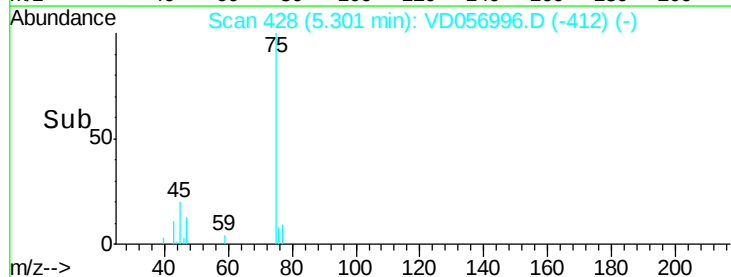
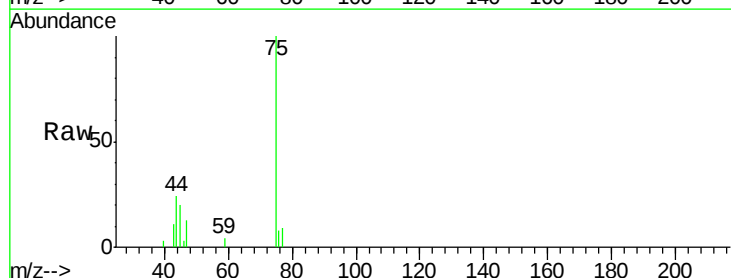
Instrument :
MSVOA_X
ClientSampleId :
VD0328SBL01

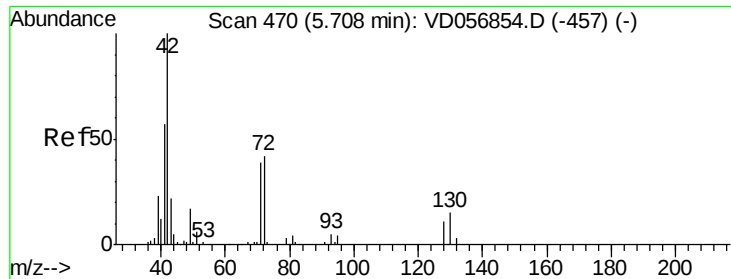
Tgt Ion: 84 Resp: 4735
Ion Ratio Lower Upper
84 100
49 171.9 124.5 186.7
51 44.6 35.1 52.7
86 70.7 49.9 74.9



#25
2-Butanone
Concen: 2.03 ug/l
RT: 5.30 min Scan# 428
Delta R.T. -0.04 min
Lab File: VD056996.D
Acq: 28 Mar 2018 11:32

Tgt Ion: 43 Resp: 3807
Ion Ratio Lower Upper
43 100
72 0.0 16.6 24.8#

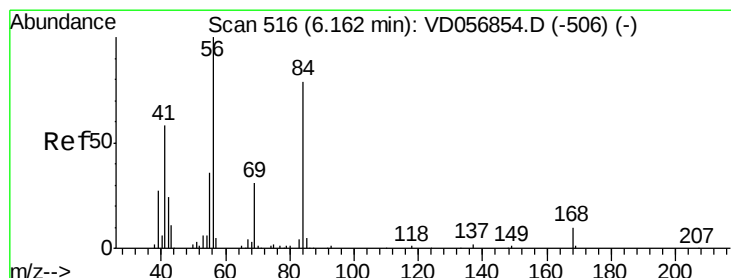
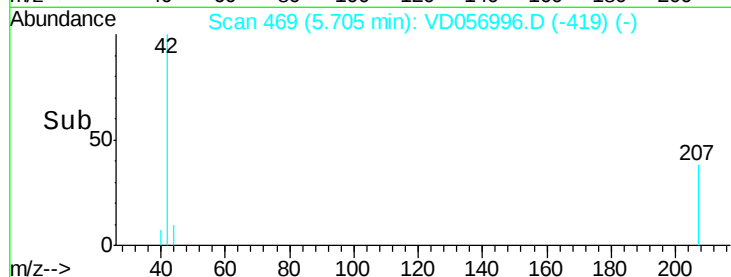
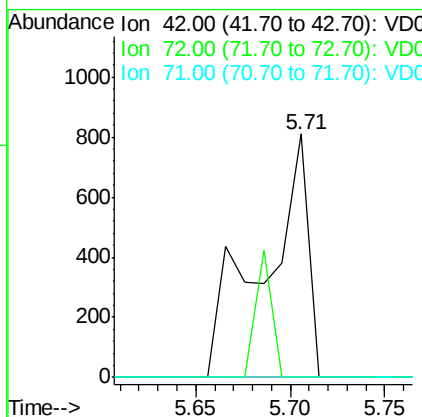
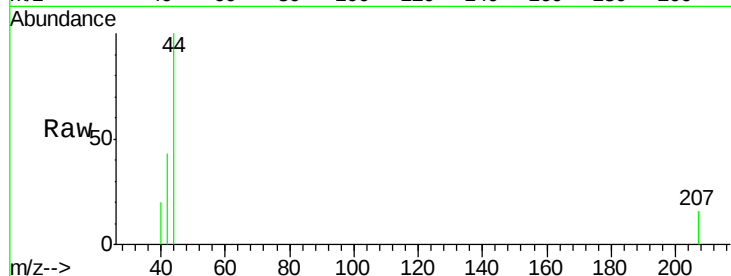




#29
Tetrahydrofuran
Concen: 1.27 ug/l
RT: 5.71 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD056996.D
Acq: 28 Mar 2018 11:32

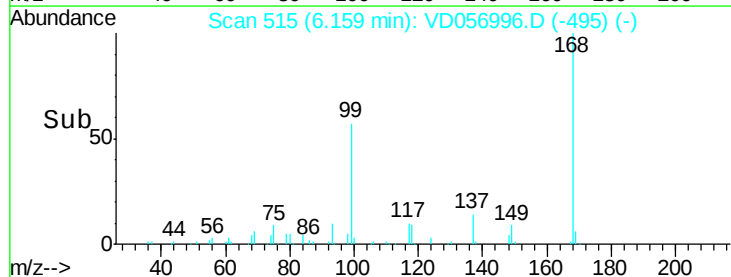
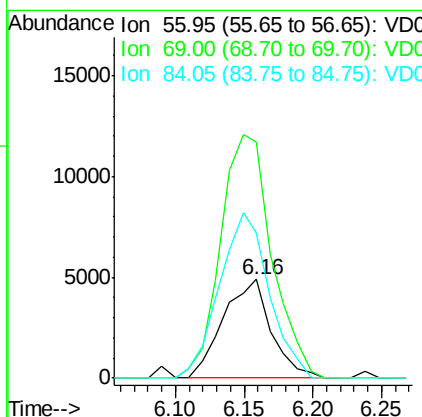
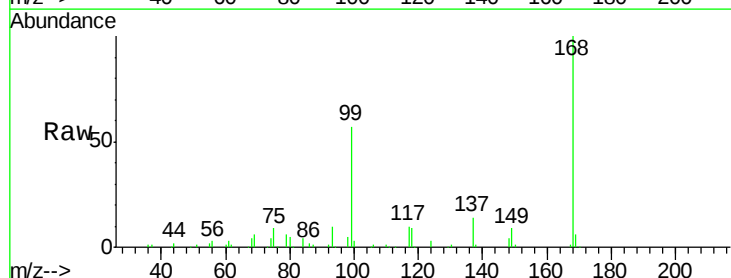
Instrument :
MSVOA_X
ClientSampled :
VD0328SBL01

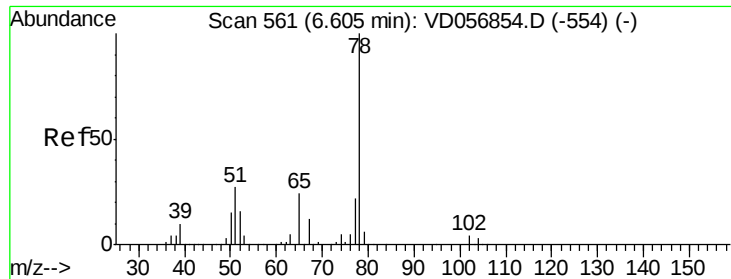
Tgt Ion: 42 Resp: 1335
Ion Ratio Lower Upper
42 100
72 18.7 30.9 46.3#
71 0.0 30.4 45.6#



#31
Cyclohexane
Concen: Below Cal
RT: 6.16 min Scan# 515
Delta R.T. 0.00 min
Lab File: VD056996.D
Acq: 28 Mar 2018 11:32

Tgt Ion: 56 Resp: 11865
Ion Ratio Lower Upper
56 100
69 239.0 23.1 34.7#
84 146.3 60.2 90.2#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.56 min Scan# 556

Delta R.T. -0.04 min

Lab File: VD056996.D

Acq: 28 Mar 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

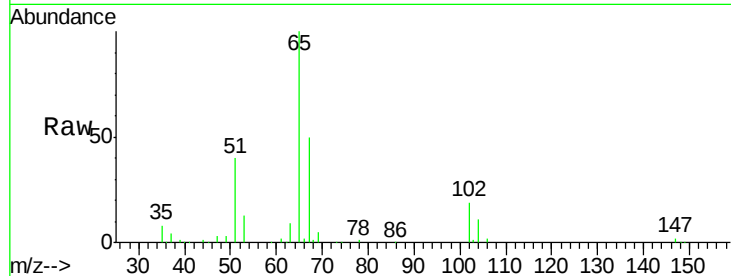
VD0328SBL01

Tgt Ion: 65 Resp: 305526

Ion Ratio Lower Upper

65 100

67 50.2 0.0 104.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.56

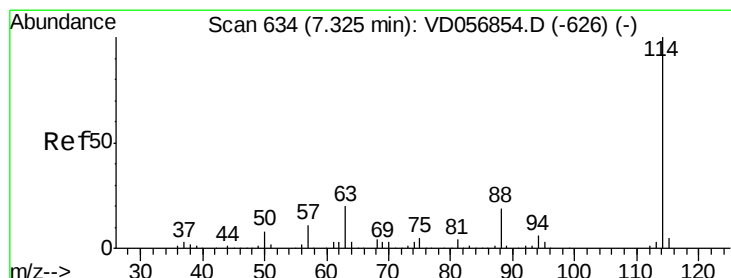
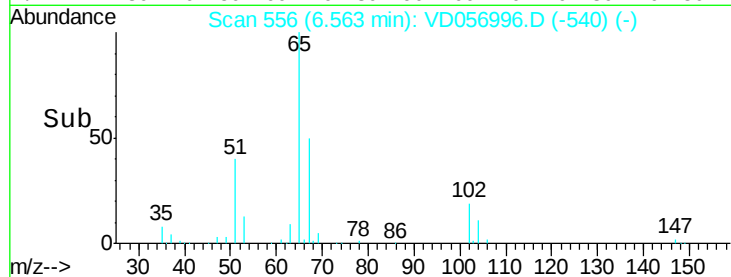
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.28 min Scan# 629

Delta R.T. -0.04 min

Lab File: VD056996.D

Acq: 28 Mar 2018 11:32

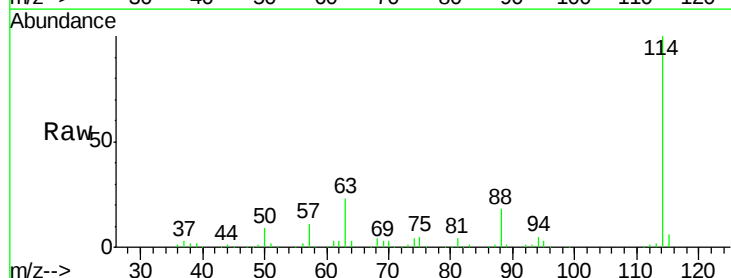
Tgt Ion: 114 Resp: 851144

Ion Ratio Lower Upper

114 100

63 22.5 0.0 42.6

88 18.2 0.0 35.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.28

400000

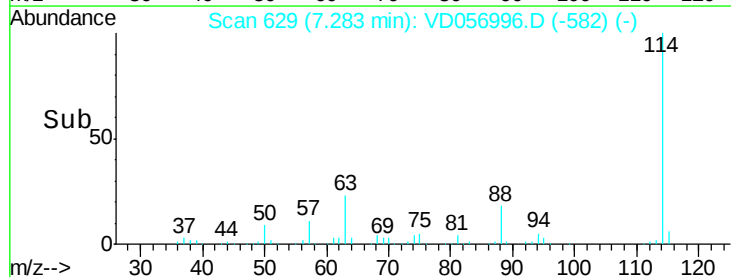
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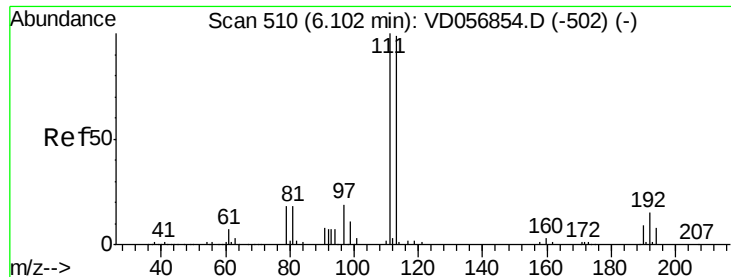
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.06 min Scan# 505

Delta R.T. -0.04 min

Lab File: VD056996.D

Acq: 28 Mar 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VD0328SBL01

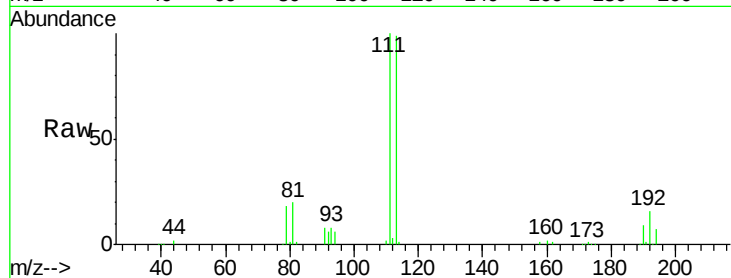
Tgt Ion:113 Resp: 340264

Ion Ratio Lower Upper

113 100

111 100.7 81.5 122.3

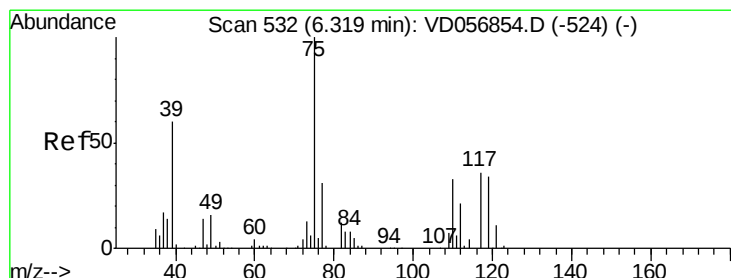
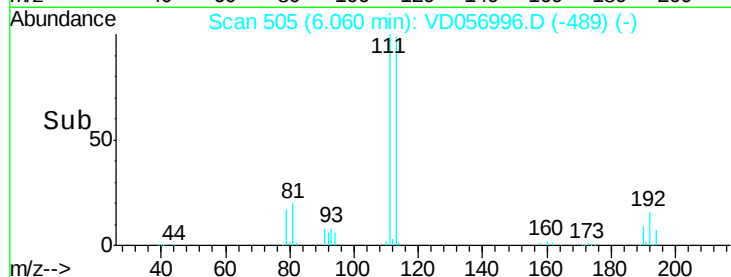
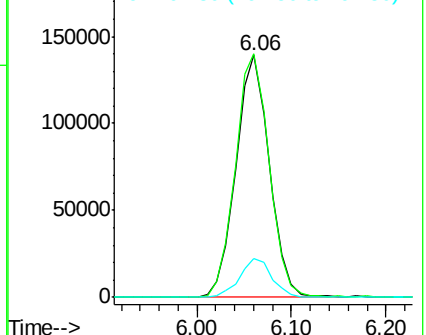
192 16.0 12.6 19.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 5.31 ug/l

RT: 6.15 min Scan# 514

Delta R.T. -0.17 min

Lab File: VD056996.D

Acq: 28 Mar 2018 11:32

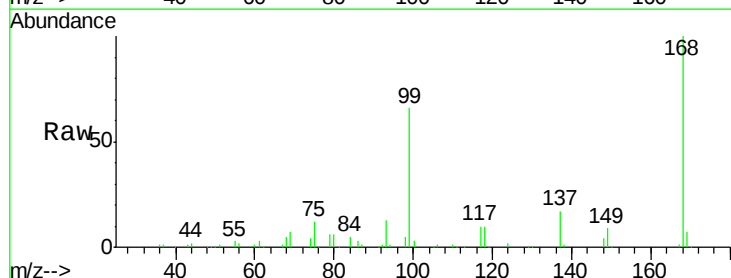
Tgt Ion: 75 Resp: 49431

Ion Ratio Lower Upper

75 100

110 7.6 15.9 47.6#

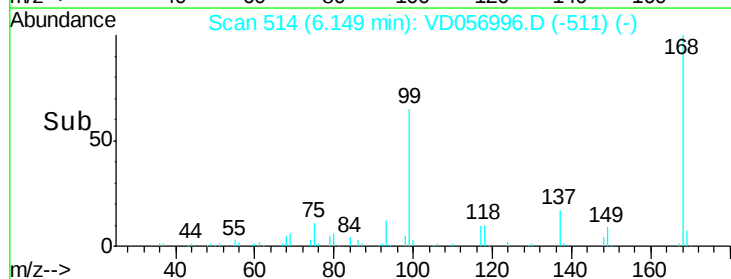
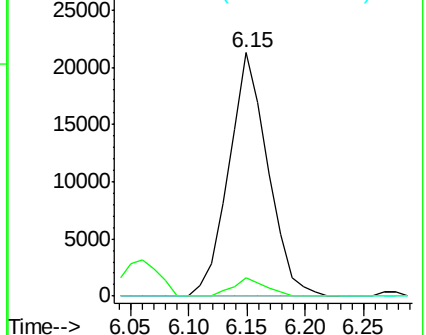
77 0.0 23.8 35.6#

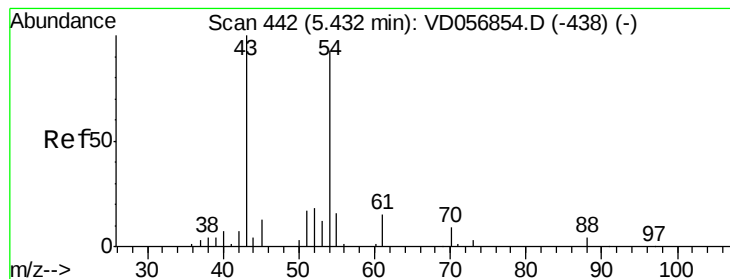


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 1.76 ug/l

RT: 5.40 min Scan# 438

Delta R.T. -0.04 min

Lab File: VD056996.D

Acq: 28 Mar 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VD0328SBL01

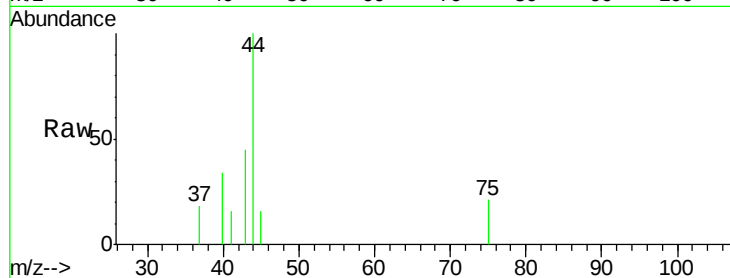
Tgt Ion: 43 Resp: 1082

Ion Ratio Lower Upper

43 100

61 0.0 10.0 15.0#

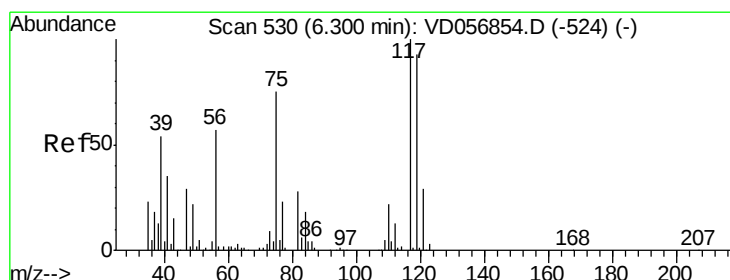
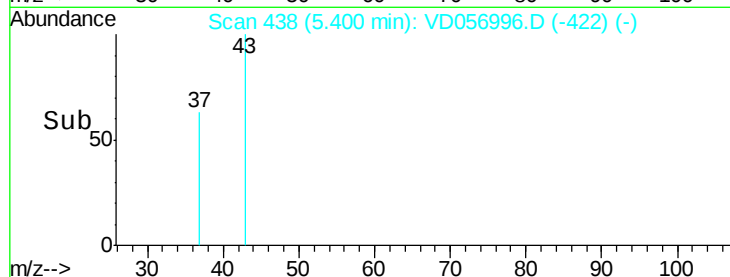
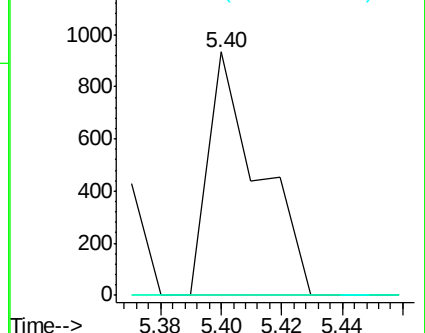
70 0.0 7.9 11.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 6.14 ug/l

RT: 6.16 min Scan# 515

Delta R.T. -0.14 min

Lab File: VD056996.D

Acq: 28 Mar 2018 11:32

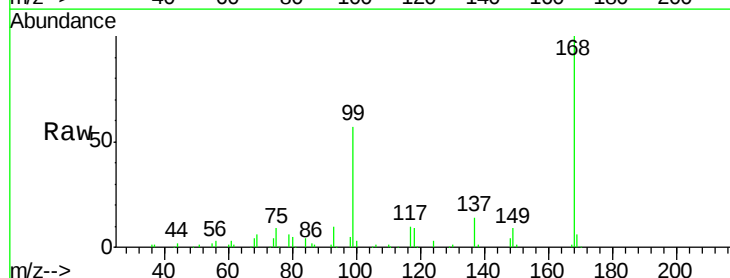
Tgt Ion: 117 Resp: 49106

Ion Ratio Lower Upper

117 100

119 4.4 78.2 117.2#

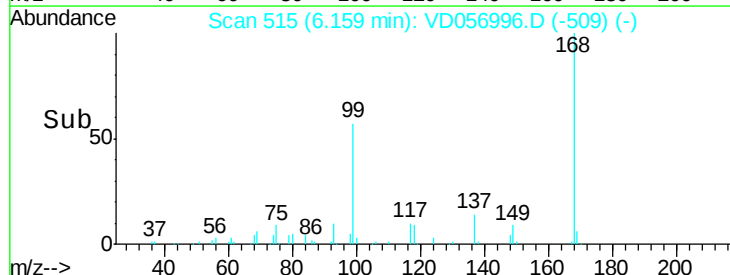
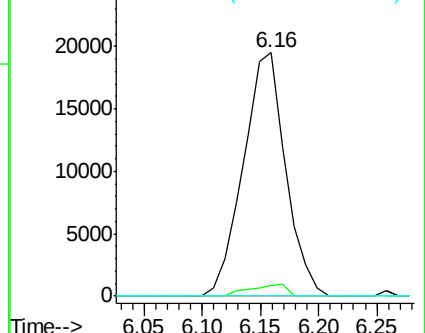
121 0.0 24.6 37.0#

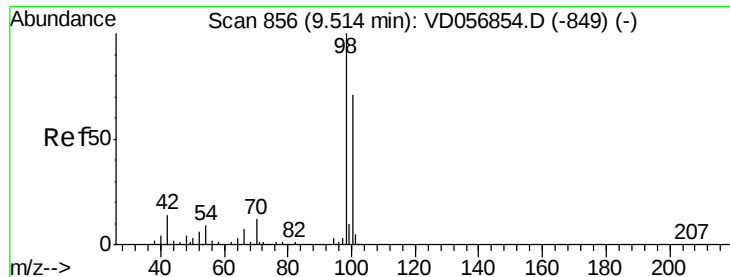


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.47 min Scan# 851

Delta R.T. -0.04 min

Lab File: VD056996.D

Acq: 28 Mar 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

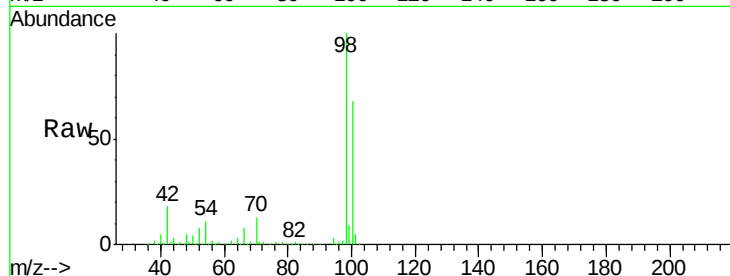
VD0328SBL01

Tgt Ion: 98 Resp: 974811

Ion Ratio Lower Upper

98 100

100 68.4 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) (-)

9.47

400000

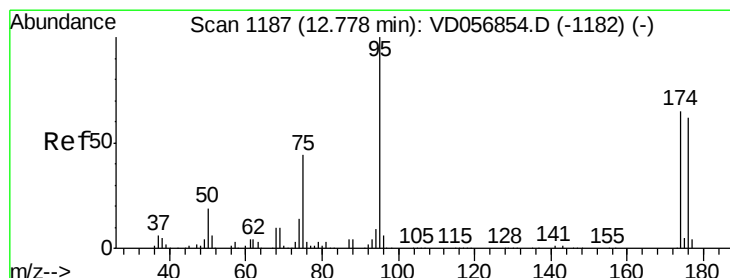
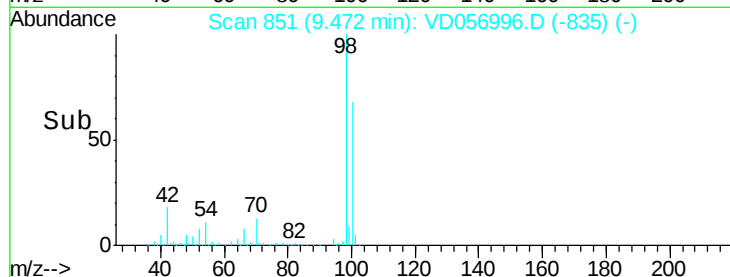
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.76 min Scan# 1184

Delta R.T. -0.03 min

Lab File: VD056996.D

Acq: 28 Mar 2018 11:32

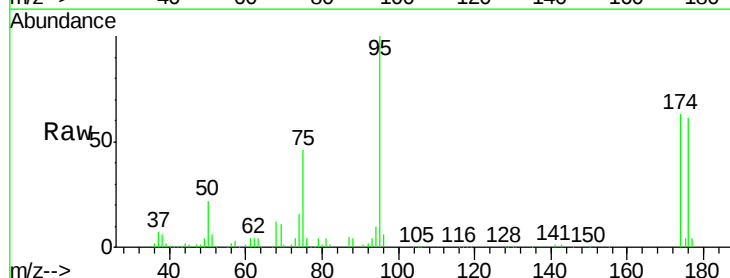
Tgt Ion: 95 Resp: 367159

Ion Ratio Lower Upper

95 100

174 63.2 0.0 143.6

176 61.3 0.0 141.2



Abundance Ion 95.00 (94.70 to 95.70): VD056854.D (-1182) (-)

Ion 173.90 (173.60 to 174.60): VD056854.D (-1182) (-)

Ion 175.90 (175.60 to 176.60): VD056854.D (-1182) (-)

300000

250000

200000

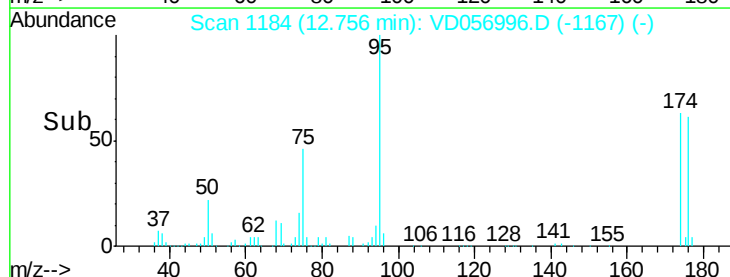
150000

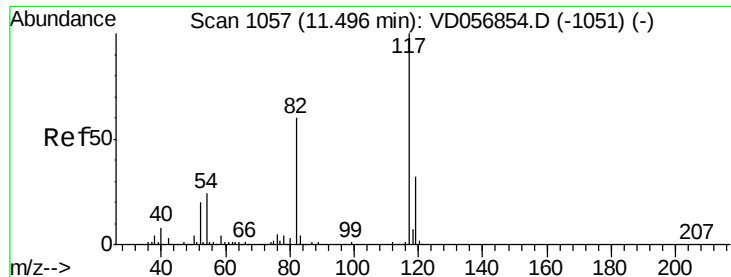
100000

50000

0

Time-->

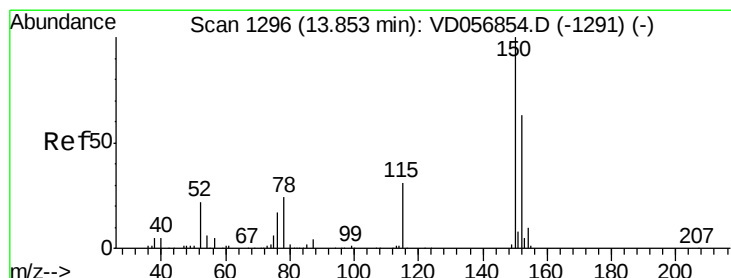
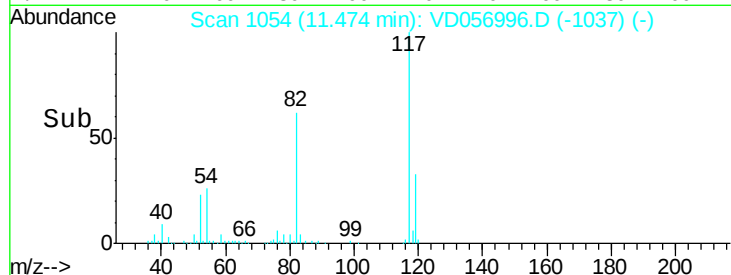
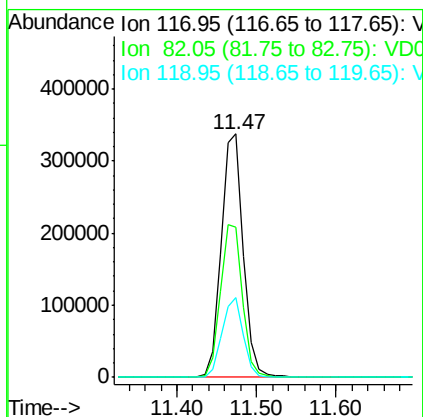
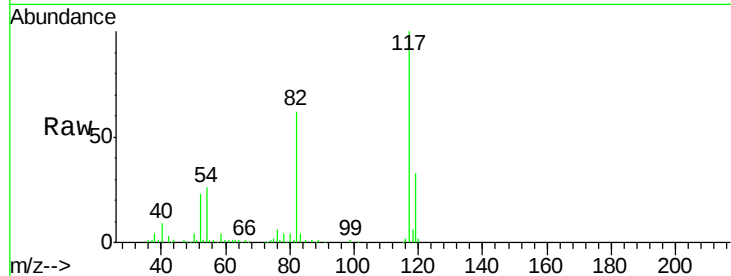




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.47 min Scan# 1054
Delta R.T. -0.03 min
Lab File: VD056996.D
Acq: 28 Mar 2018 11:32

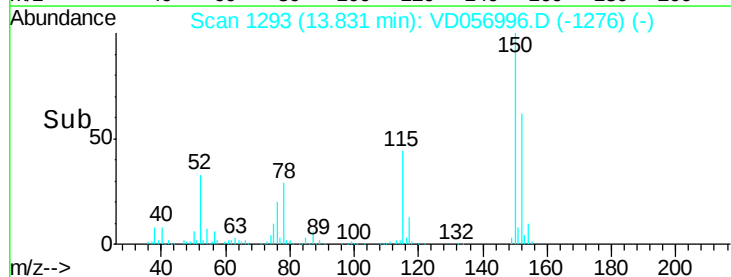
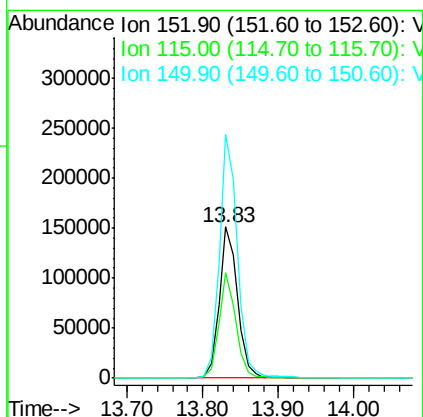
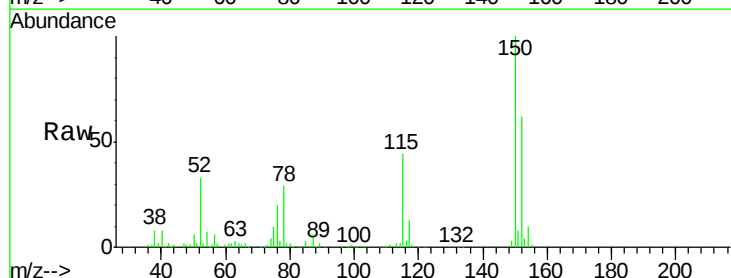
Instrument :
MSVOA_X
ClientSampleId :
VD0328SBL01

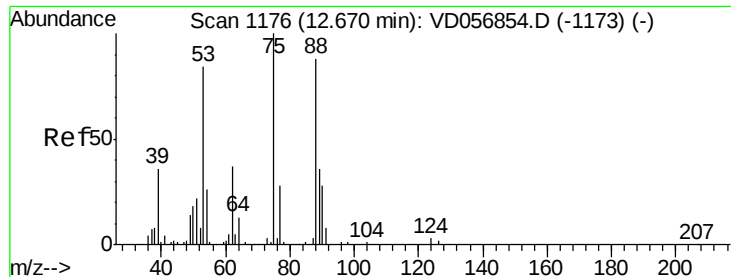
Tgt Ion:117 Resp: 660172
Ion Ratio Lower Upper
117 100
82 61.5 46.2 69.4
119 32.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.83 min Scan# 1293
Delta R.T. -0.03 min
Lab File: VD056996.D
Acq: 28 Mar 2018 11:32

Tgt Ion:152 Resp: 256090
Ion Ratio Lower Upper
152 100
115 70.2 31.2 93.6
150 161.2 0.0 334.8





#81

trans-1,4-Dichloro-2-butene

Concen: 124.13 ug/l

RT: 12.76 min Scan# 1184

Delta R.T. 0.08 min

Lab File: VD056996.D

Acq: 28 Mar 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VD0328SBL01

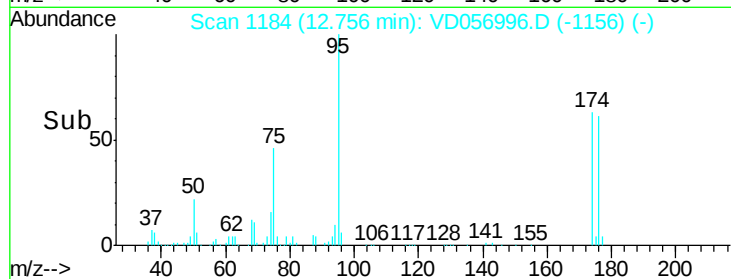
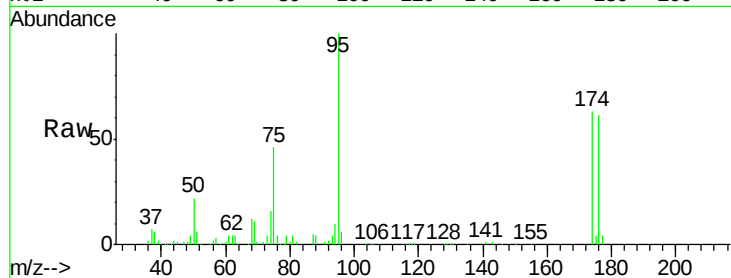
Tgt Ion: 75 Resp: 174001

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

