

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
 Data File : VD060055.D
 Acq On : 20 Sep 2018 18:36
 Operator : VA/AP
 Sample : J5017-03
 Misc : 5.11g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-N-EW-057

Quant Time: Sep 21 01:00:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1250618	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.43	114	1732507	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1396536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	708953	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	379812	38.94	ug/l	0.00
Spiked Amount			Recovery	=	77.88%	
35) Dibromofluoromethane	6.30	113	544988	40.26	ug/l	0.00
Spiked Amount			Recovery	=	80.52%	
50) Toluene-d8	9.44	98	1471235	39.22	ug/l	0.00
Spiked Amount			Recovery	=	78.44%	
62) 4-Bromofluorobenzene	12.42	95	540553	37.72	ug/l	0.00
Spiked Amount			Recovery	=	75.44%	

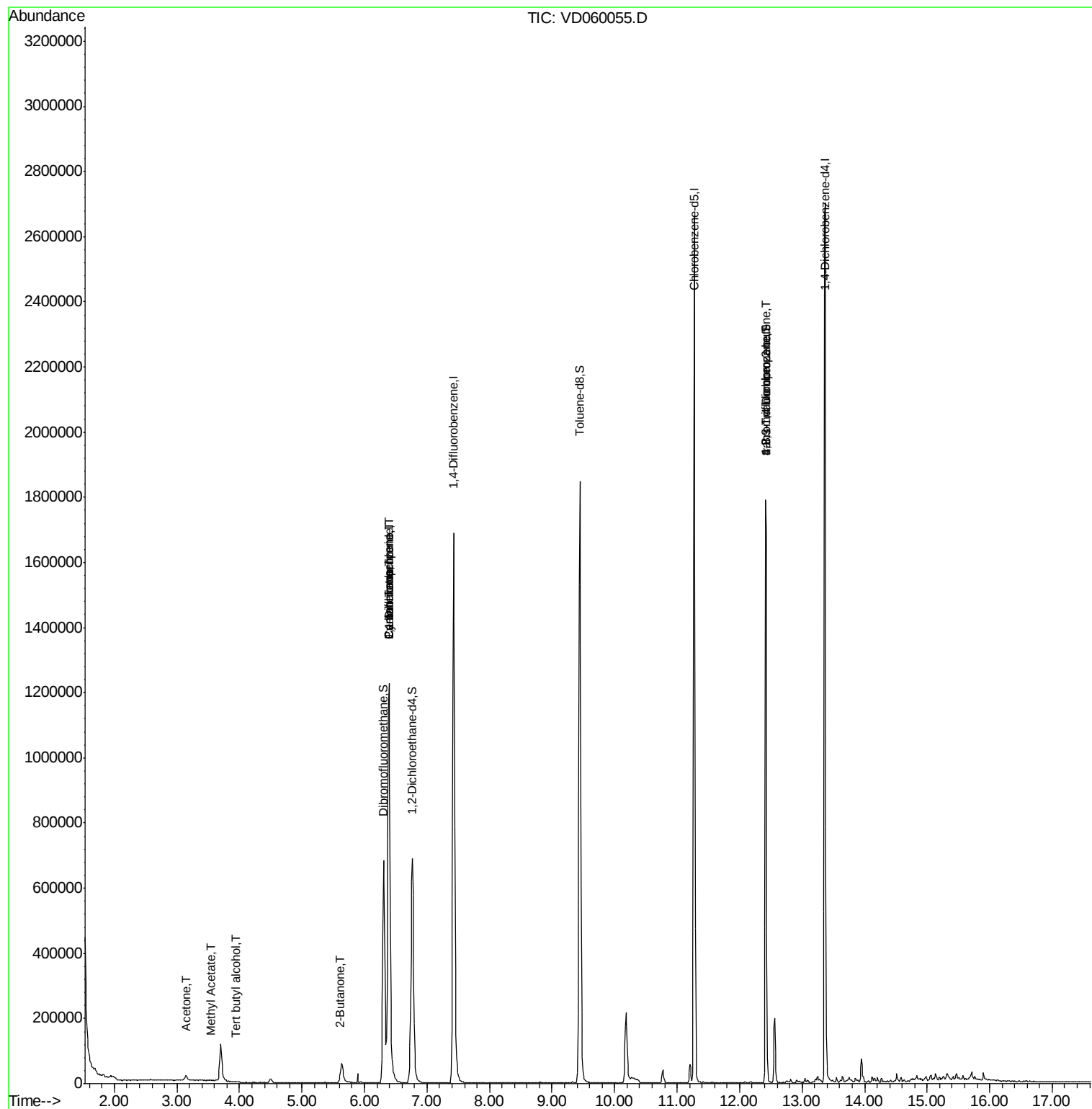
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.94	59	1870	2.38	ug/l #	74
16) Acetone	3.15	43	34770	18.47	ug/l	100
18) Methyl Acetate	3.54	43	7905	2.06	ug/l #	64
20) Methylene Chloride	3.71	84	70744	Below Cal		96
25) 2-Butanone	5.61	43	17046	3.35	ug/l	96
31) Cyclohexane	6.38	56	23187	1.07	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	90156	5.24	ug/l #	46
38) Carbon Tetrachloride	6.39	117	96837	6.03	ug/l #	16
51) 4-Methyl-2-Pentanone	9.33	43	4316	Below Cal	#	83
59) 2-Hexanone	10.49	43	484	Below Cal	#	30
76) 1,2,3-Trichloropropane	12.42	75	188193	17.38	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	221128	67.65	ug/l #	15
89) n-Butylbenzene	13.64	91	2573	Below Cal	#	70
91) 1,2-Dichlorobenzene	13.66	146	800	Below Cal	#	58

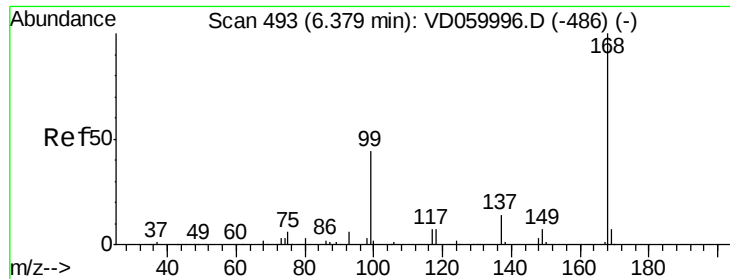
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060055.D

Acq: 20 Sep 2018 18:36

Instrument :

MSVOA_D

ClientSampleId :

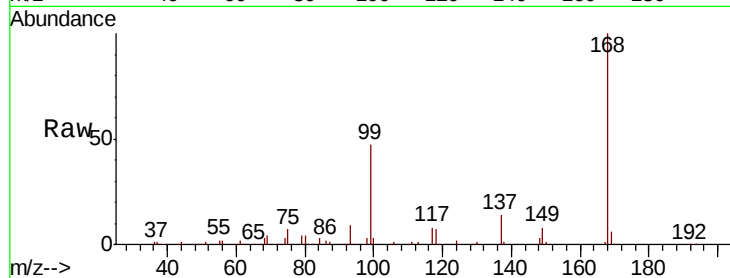
RA-091918-N-EW-057

Tot Ion:168 Resp: 1250618

Ion Ratio Lower Upper

168 100

99 47.1 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

500000

400000

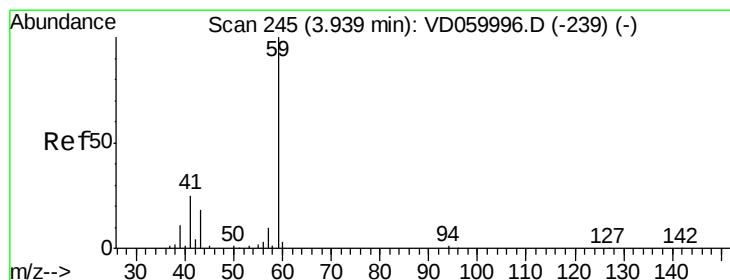
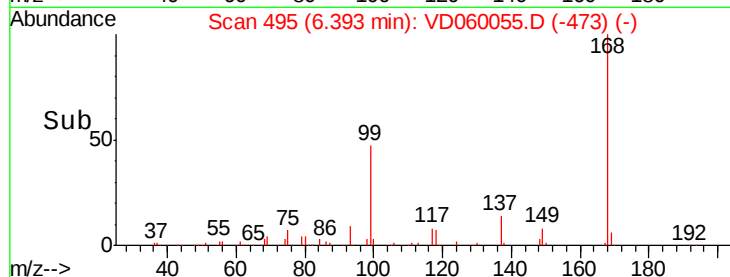
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.38 ug/l

RT: 3.94 min Scan# 246

Delta R.T. 0.00 min

Lab File: VD060055.D

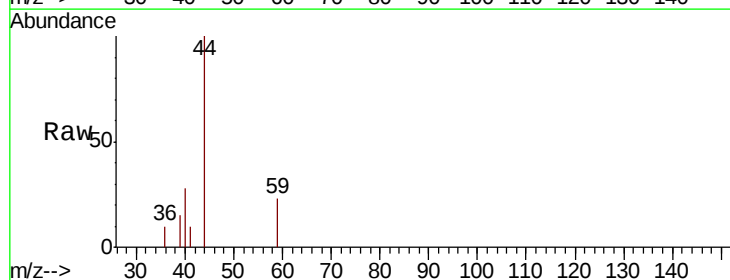
Acq: 20 Sep 2018 18:36

Tgt Ion: 59 Resp: 1870

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.94

800

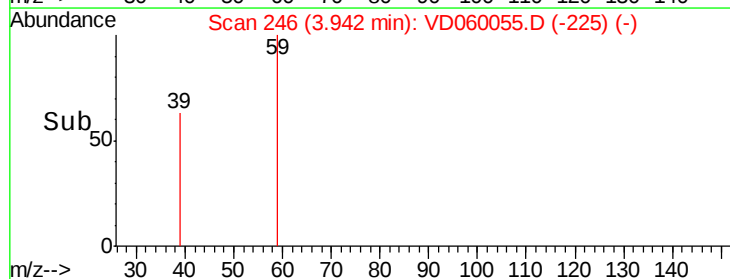
600

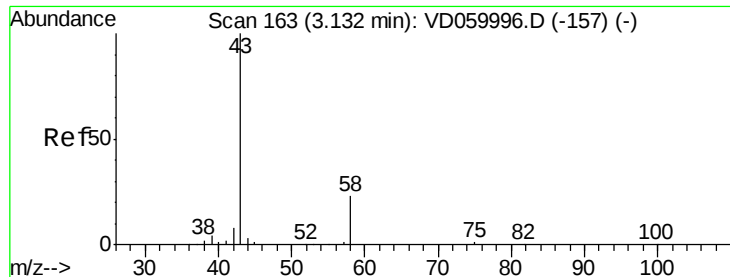
400

200

0

Time-->





#16

Acetone

Concen: 18.47 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060055.D

Acq: 20 Sep 2018 18:36

Instrument :

MSVOA_D

ClientSampleId :

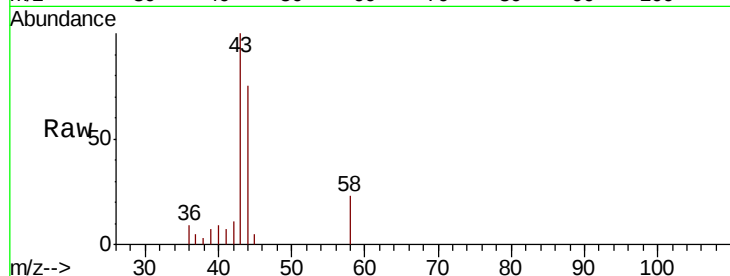
RA-091918-N-EW-057

Tot Ion: 43 Resp: 34770

Ion Ratio Lower Upper

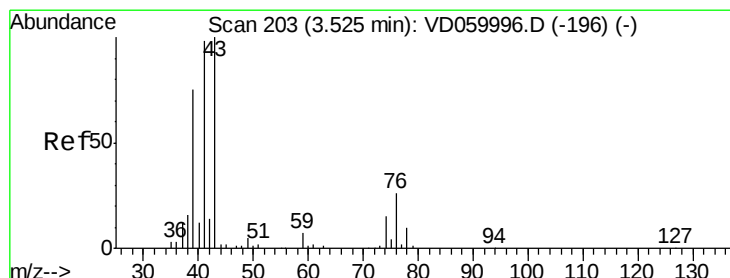
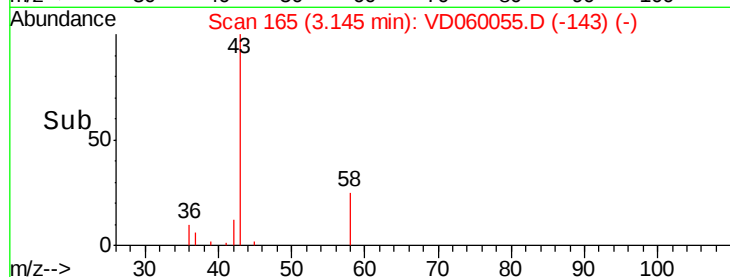
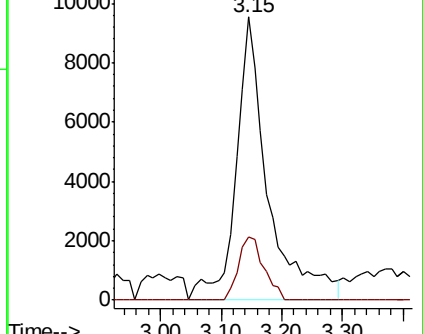
43 100

58 22.5 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 2.06 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.01 min

Lab File: VD060055.D

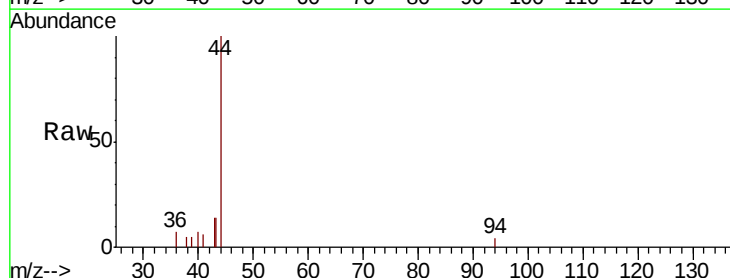
Acq: 20 Sep 2018 18:36

Tgt Ion: 43 Resp: 7905

Ion Ratio Lower Upper

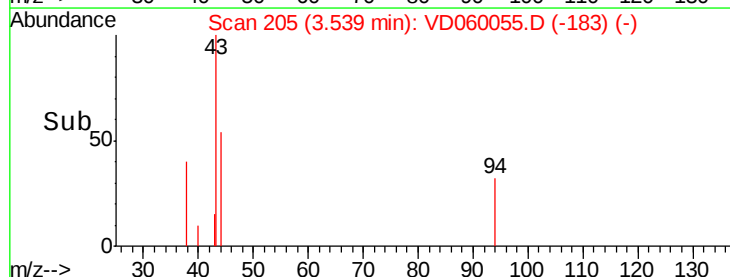
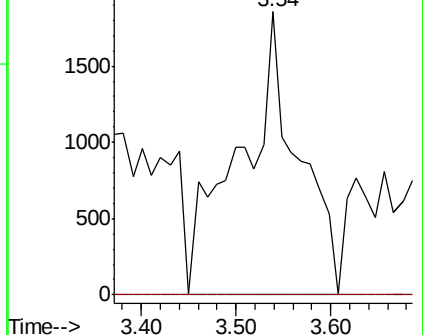
43 100

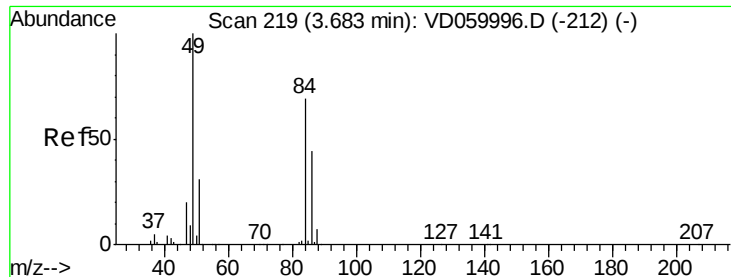
74 0.0 11.8 17.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

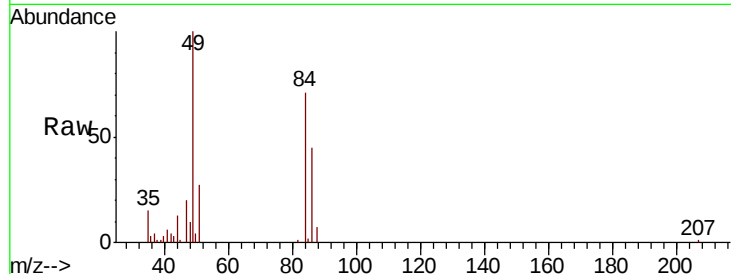




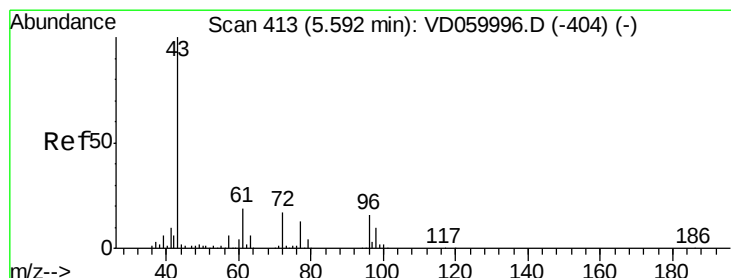
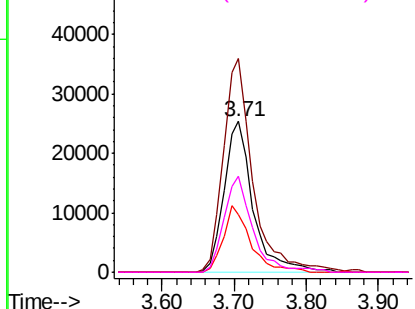
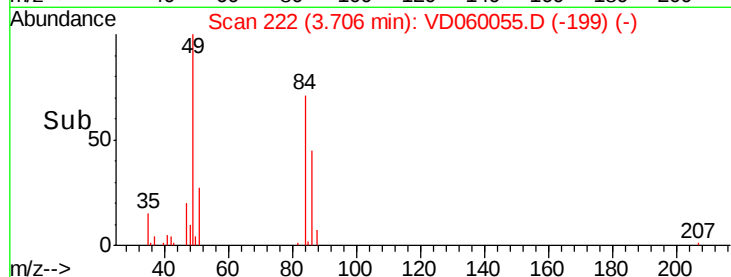
#20
Methylene Chloride
Concen: Below Cal
RT: 3.71 min Scan# 222
Delta R.T. 0.02 min
Lab File: VD060055.D
Acq: 20 Sep 2018 18:36

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-N-EW-057

Tot Ion: 84 Resp: 70744
Ion Ratio Lower Upper
84 100
49 141.7 116.6 175.0
51 38.0 35.9 53.9
86 63.7 51.8 77.6

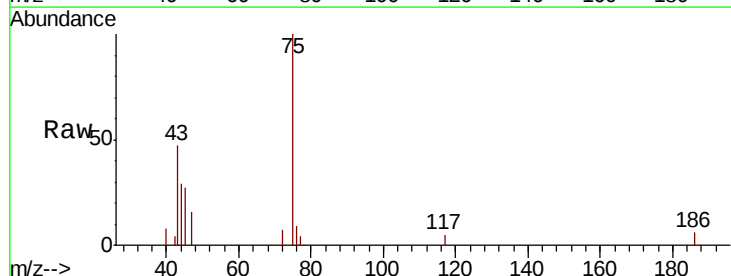


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

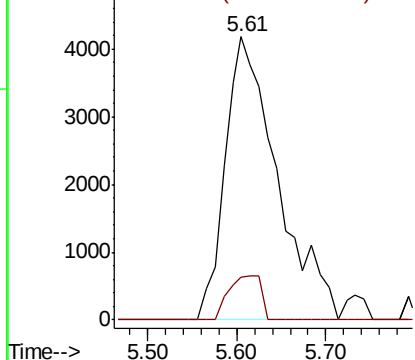
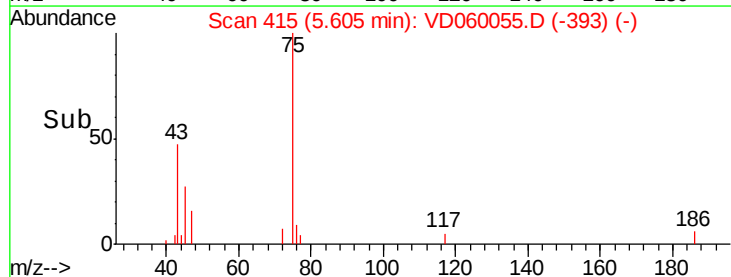


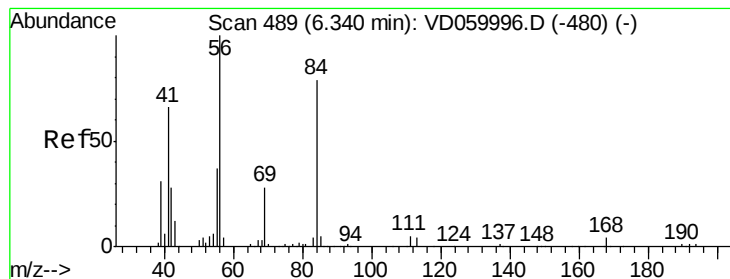
#25
2-Butanone
Concen: 3.35 ug/l
RT: 5.61 min Scan# 415
Delta R.T. 0.01 min
Lab File: VD060055.D
Acq: 20 Sep 2018 18:36

Tgt Ion: 43 Resp: 17046
Ion Ratio Lower Upper
43 100
72 15.1 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.07 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.04 min

Lab File: VD060055.D

Acq: 20 Sep 2018 18:36

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-N-EW-057

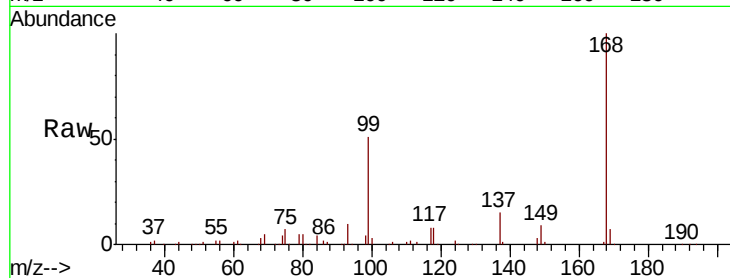
Tot Ion: 56 Resp: 23187

Ion Ratio Lower Upper

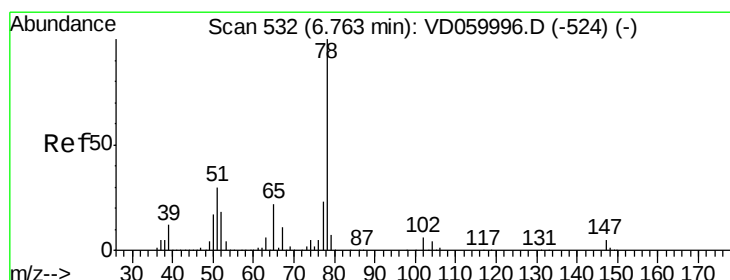
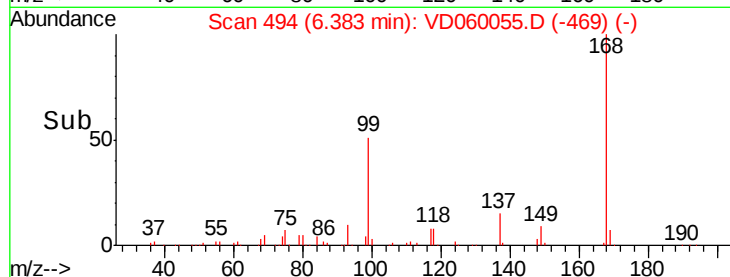
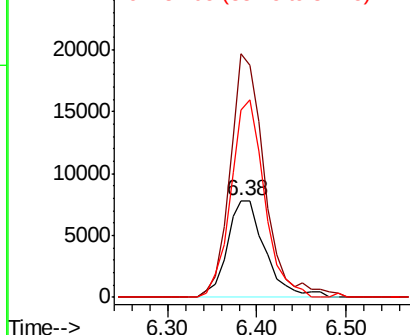
56 100

69 251.1 22.7 34.1#

84 192.9 64.0 96.0#



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: 6.77 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD060055.D

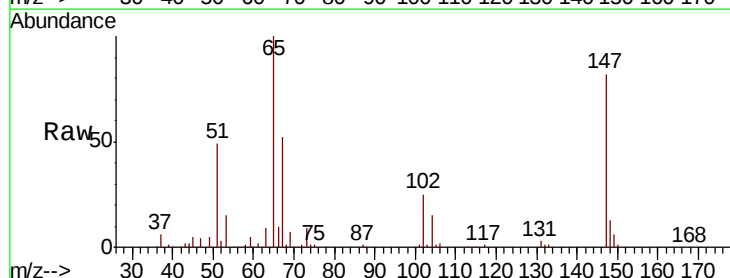
Acq: 20 Sep 2018 18:36

Tgt Ion: 65 Resp: 379812

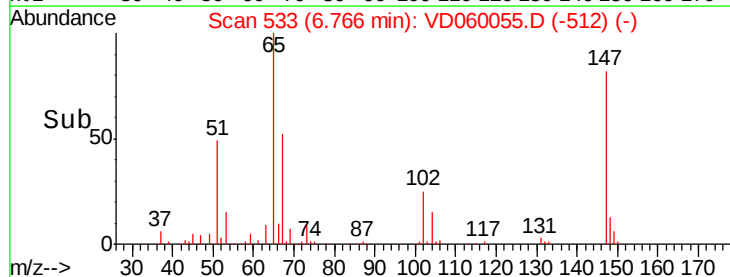
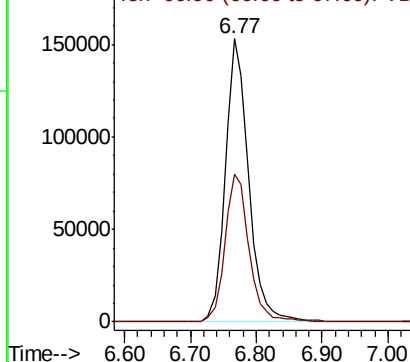
Ion Ratio Lower Upper

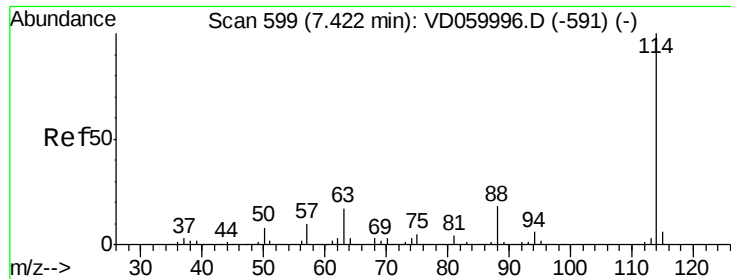
65 100

67 52.0 0.0 104.8



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

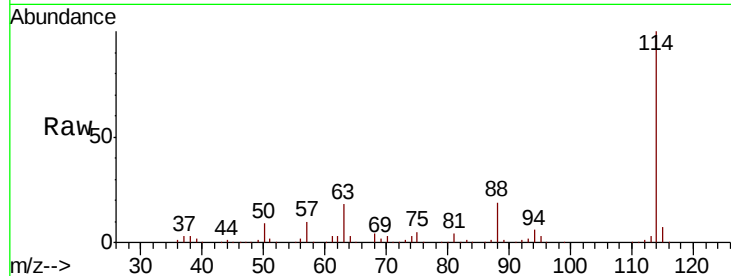




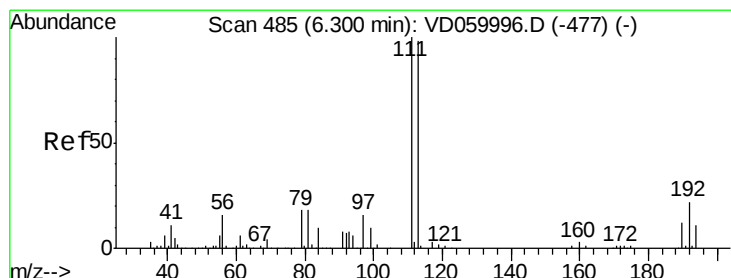
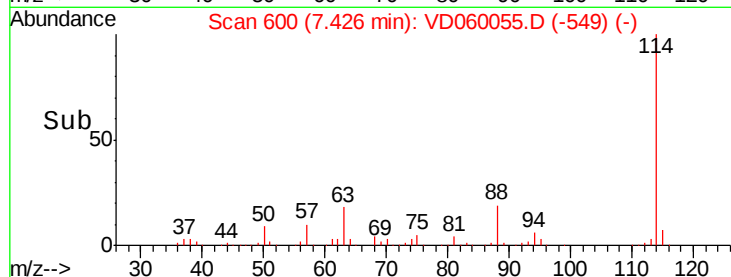
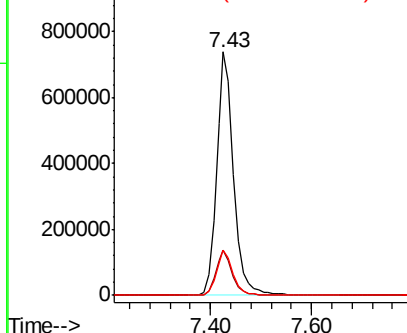
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: VD060055.D
 Acq: 20 Sep 2018 18:36

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-N-EW-057

Tot Ion:114 Resp: 1732507
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 34.4
 88 18.5 0.0 35.8

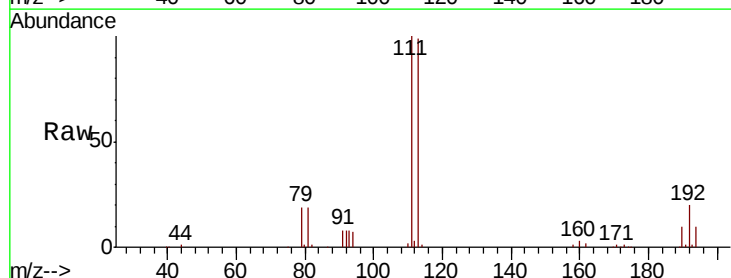


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

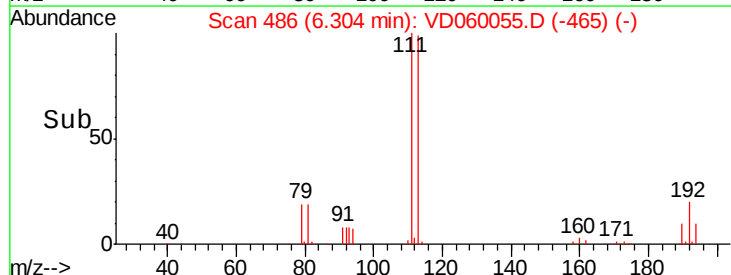
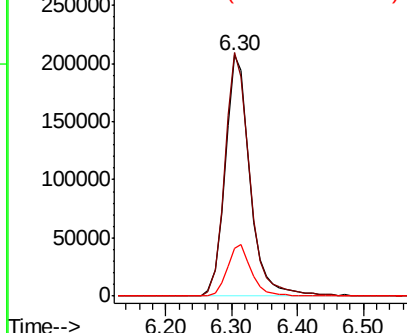


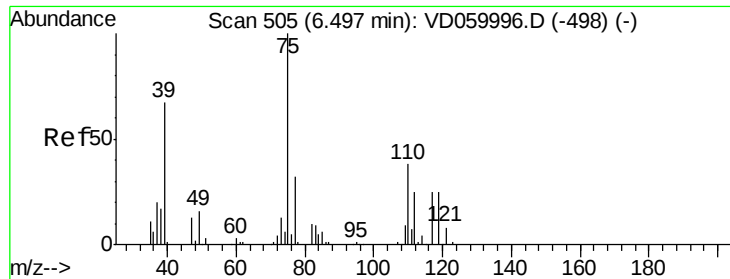
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: VD060055.D
 Acq: 20 Sep 2018 18:36

Tgt Ion:113 Resp: 544988
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.3 121.9
 192 19.8 18.1 27.1



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: 5.24 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.10 min

Lab File: VD060055.D

Acq: 20 Sep 2018 18:36

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-N-EW-057

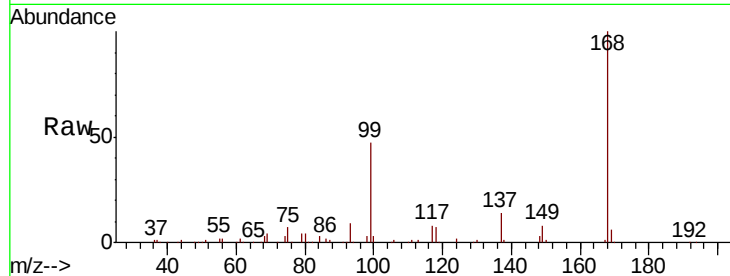
Tot Ion: 75 Resp: 90156

Ion Ratio Lower Upper

75 100

110 7.1 18.9 56.9#

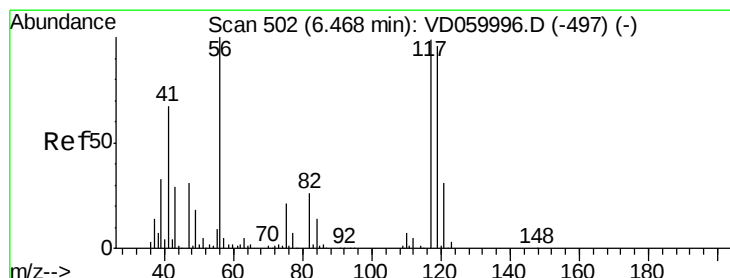
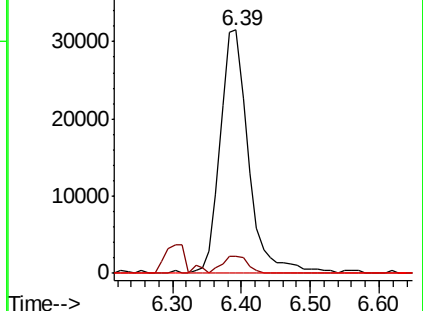
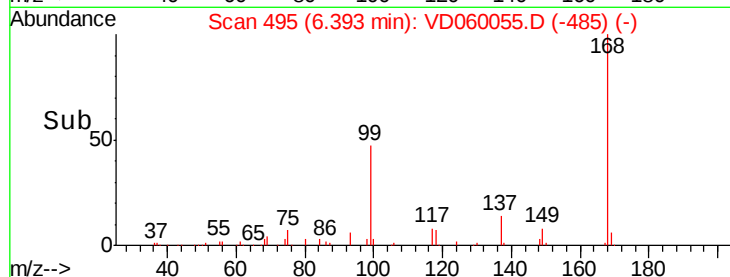
77 0.0 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 6.03 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.08 min

Lab File: VD060055.D

Acq: 20 Sep 2018 18:36

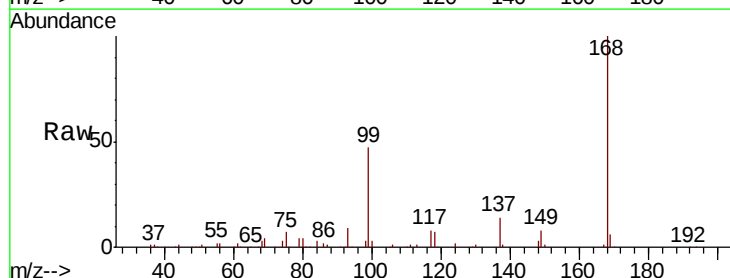
Tgt Ion: 117 Resp: 96837

Ion Ratio Lower Upper

117 100

119 5.3 76.7 115.1#

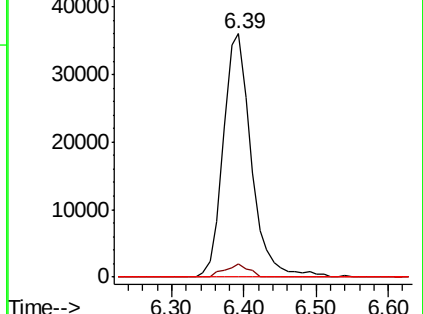
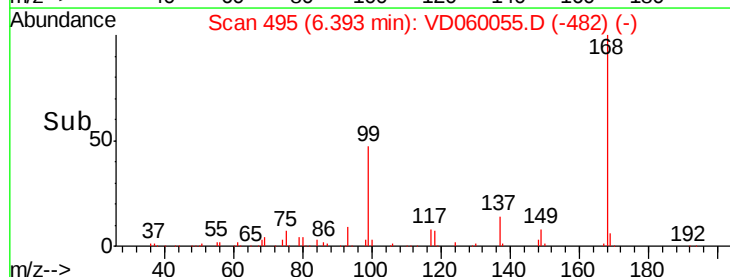
121 0.0 24.9 37.3#

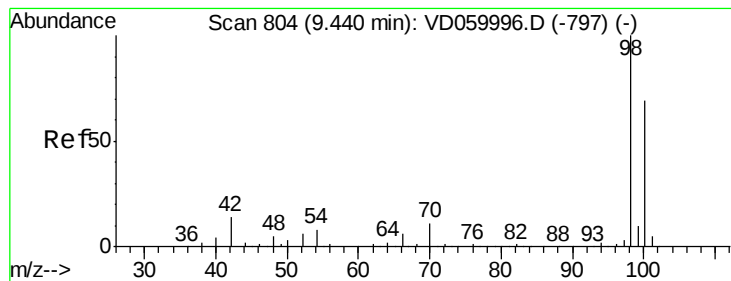


Abundance Ion 116.85 (116.55 to 117.55): V

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: 9.44 min Scan# 805

Delta R.T. 0.00 min

Lab File: VD060055.D

Acq: 20 Sep 2018 18:36

Instrument :

MSVOA_D

ClientSampleId :

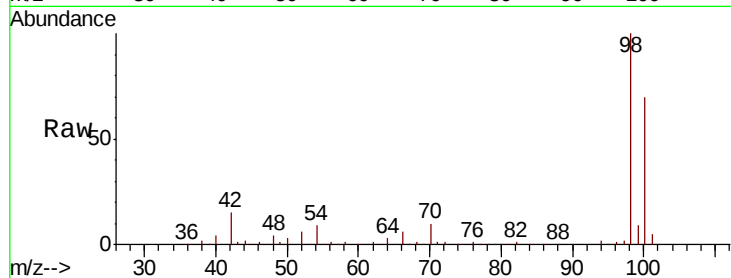
RA-091918-N-EW-057

Tot Ion: 98 Resp: 1471235

Ion Ratio Lower Upper

98 100

100 69.6 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VD0

Ion 100.05 (99.75 to 100.75): VD

800000

600000

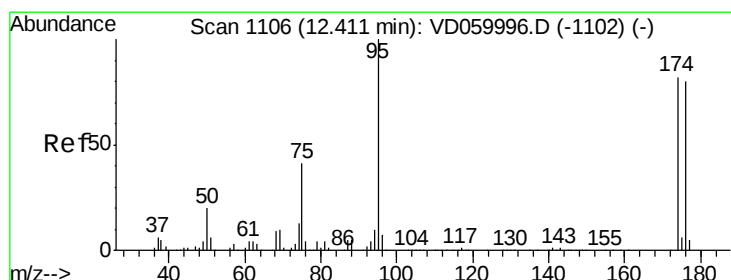
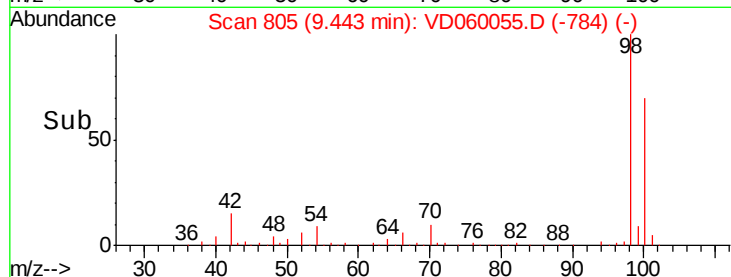
400000

200000

0

9.30 9.40 9.50 9.60

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060055.D

Acq: 20 Sep 2018 18:36

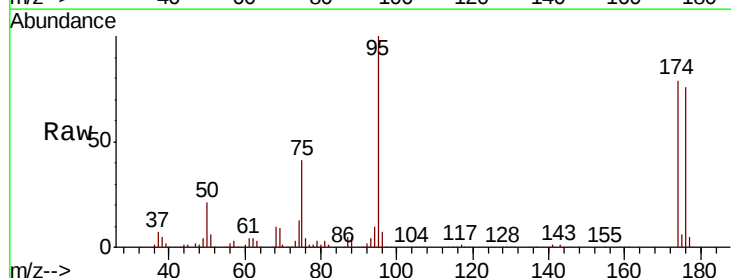
Tgt Ion: 95 Resp: 540553

Ion Ratio Lower Upper

95 100

174 79.2 0.0 165.0

176 75.6 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): VD0

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

500000

400000

300000

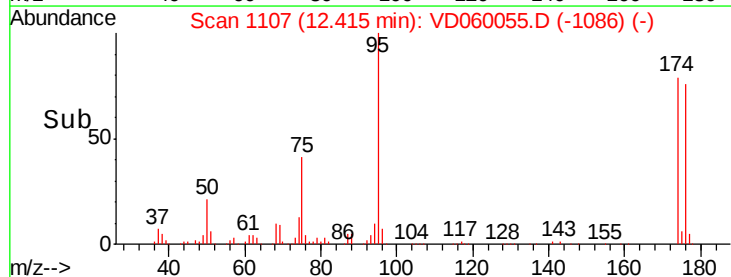
200000

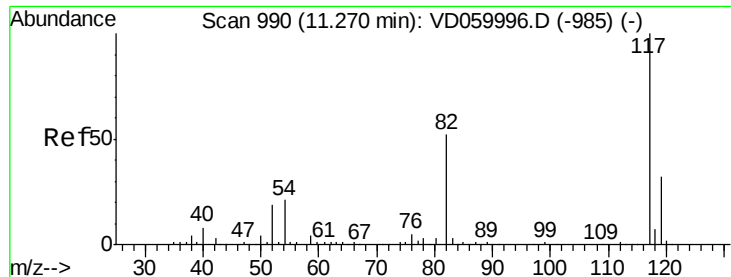
100000

0

12.40 12.50

Time-->

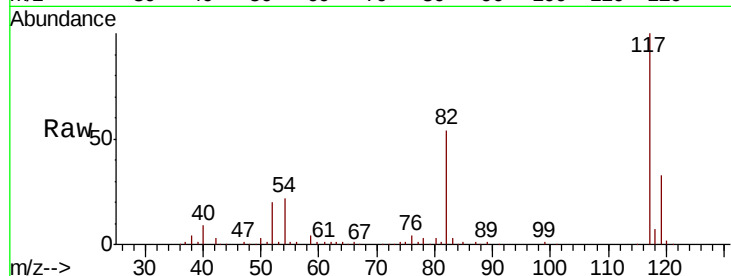




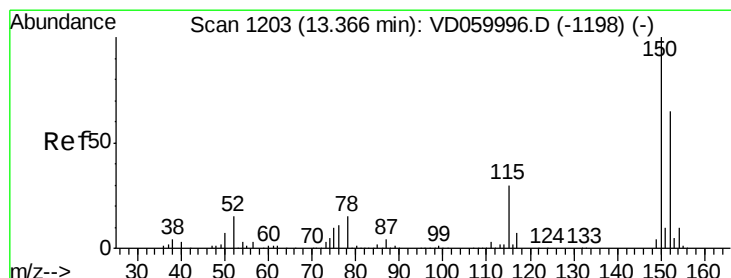
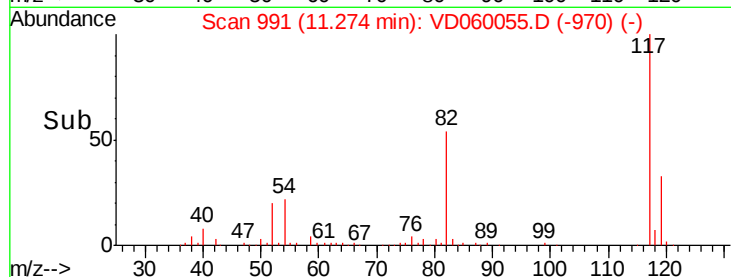
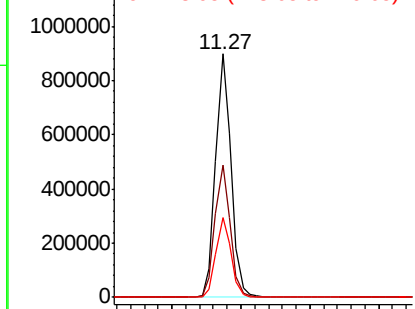
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD060055.D
Acq: 20 Sep 2018 18:36

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-N-EW-057

Tot Ion:117 Resp: 1396536
Ion Ratio Lower Upper
117 100
82 54.2 41.7 62.5
119 32.6 26.0 39.0

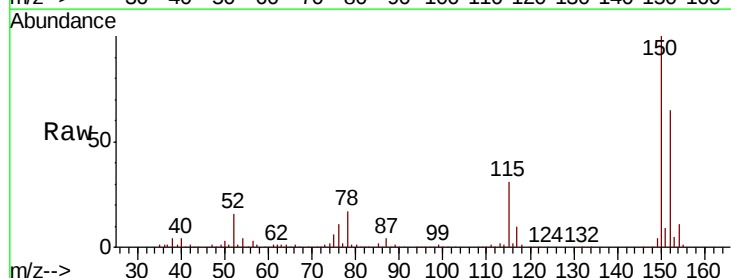


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

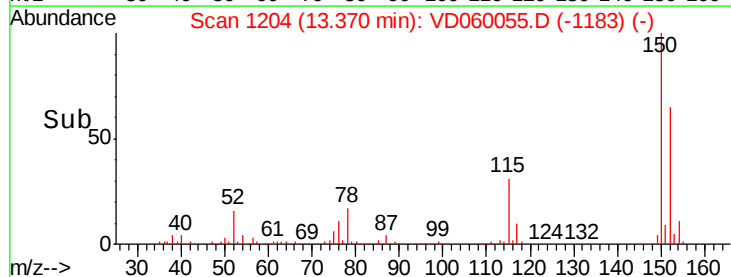
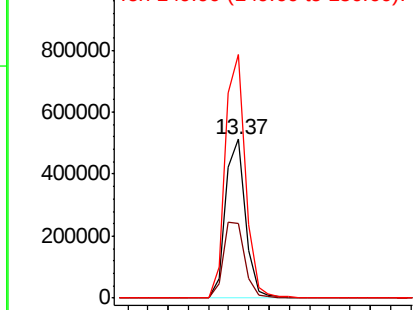


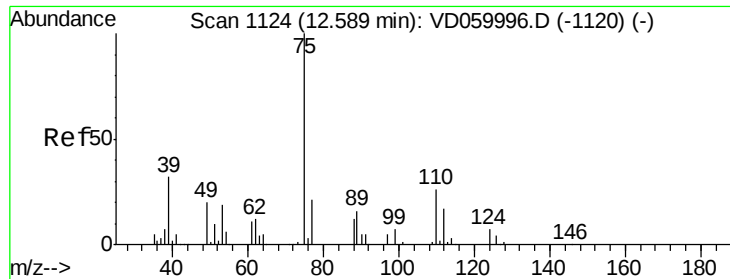
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.00 min
Lab File: VD060055.D
Acq: 20 Sep 2018 18:36

Tgt Ion:152 Resp: 708953
Ion Ratio Lower Upper
152 100
115 47.3 24.6 73.8
150 153.1 0.0 313.4



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





#76

1,2,3-Trichloropropane

Concen: 17.38 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.17 min

Lab File: VD060055.D

Acq: 20 Sep 2018 18:36

Instrument :

MSVOA_D

ClientSampleId :

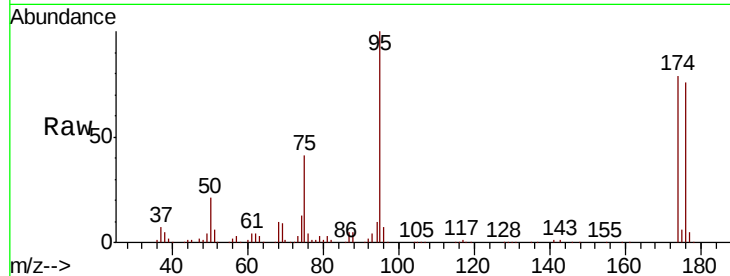
RA-091918-N-EW-057

Tot Ion: 75 Resp: 188193

Ion Ratio Lower Upper

75 100

77 1.4 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.42

150000

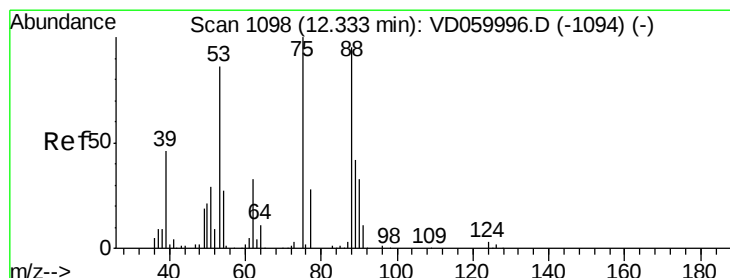
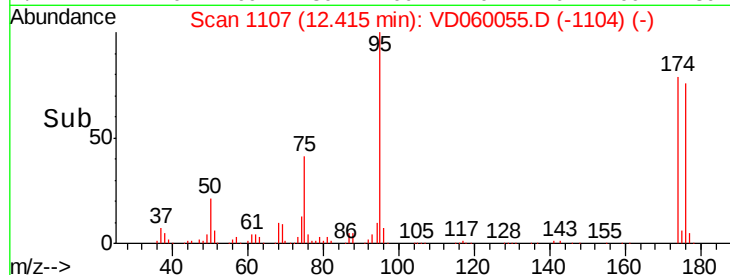
100000

50000

0

Time-->

12.40 12.45 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 67.65 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.08 min

Lab File: VD060055.D

Acq: 20 Sep 2018 18:36

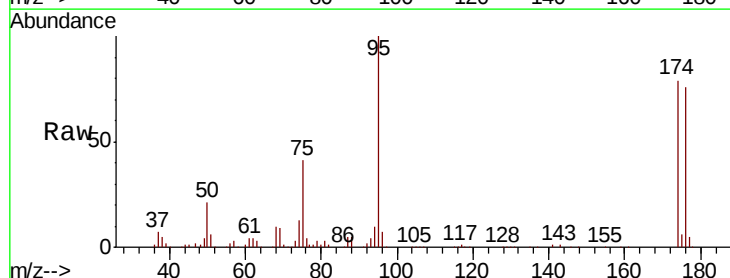
Tgt Ion: 75 Resp: 221128

Ion Ratio Lower Upper

75 100

53 0.0 68.4 102.6#

89 0.0 33.8 50.6#



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

200000

150000

100000

50000

0

Time-->

12.40 12.45 12.50

