

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121418\
 Data File : VD060589.D
 Acq On : 14 Dec 2018 22:40
 Operator : VA/AP
 Sample : J6397-02
 Misc : 4.52g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 23:25:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

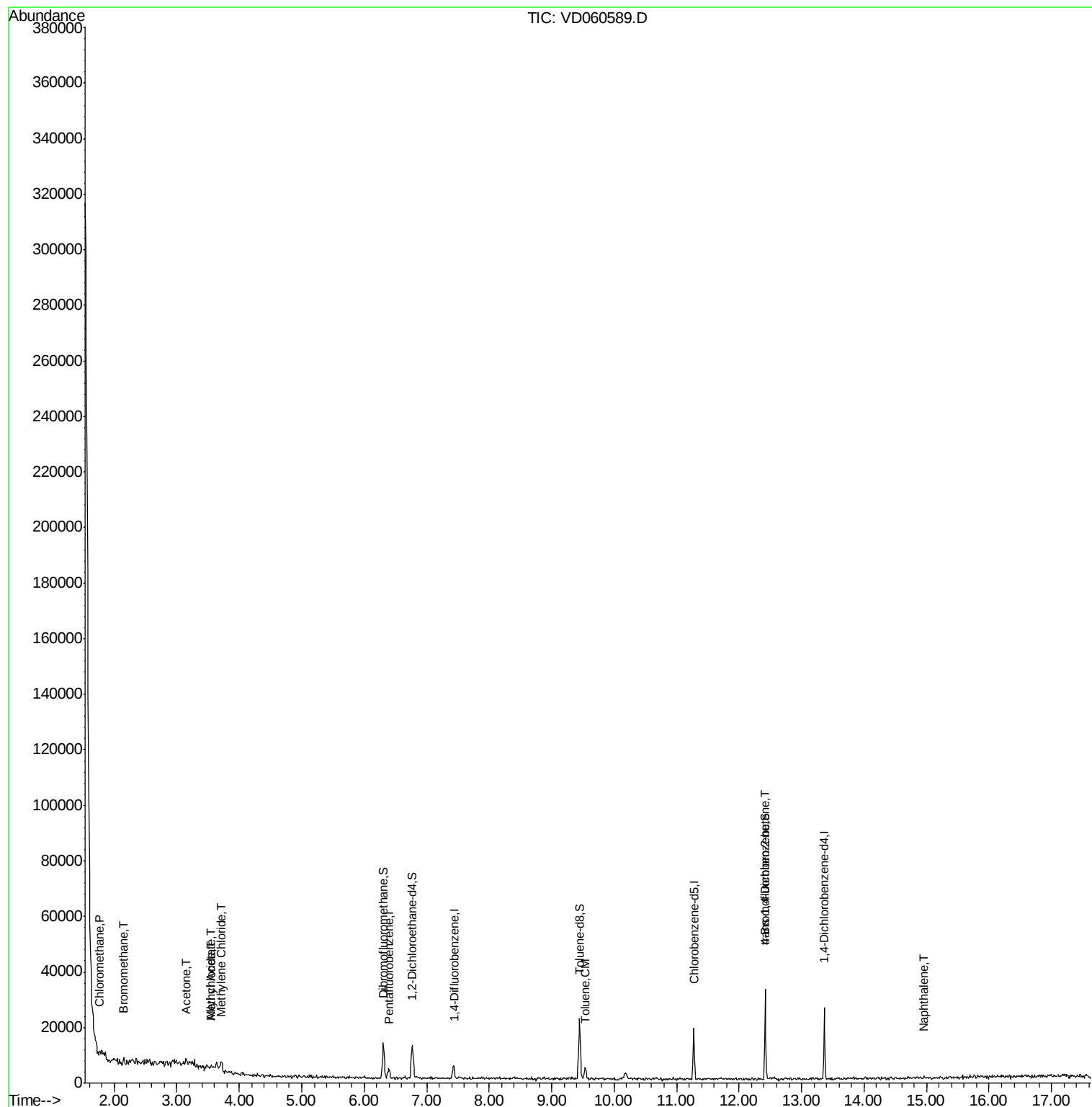
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	4803	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	8108	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.28	117	10675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	6015	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	11344	333.22	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	666.44%	
35) Dibromofluoromethane	6.31	113	9425	158.26	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	316.52%	
50) Toluene-d8	9.44	98	18781	108.98	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	217.96%	
62) 4-Bromofluorobenzene	12.42	95	8496	137.77	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	275.54%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.78	50	204	4.134	ug/l #	43
5) Bromomethane	2.16	94	615	62.418	ug/l #	4
14) Allyl chloride	3.54	41	194	4.259	ug/l #	37
16) Acetone	3.15	43	4543	832.526	ug/l #	54
18) Methyl Acetate	3.56	43	820	63.227	ug/l #	64
20) Methylene Chloride	3.72	84	1530	28.624	ug/l #	35
52) Toluene	9.54	92	2699	21.319	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.42	75	3807	200.280	ug/l #	14
95) Naphthalene	14.96	128	877	5.696	ug/l #	70

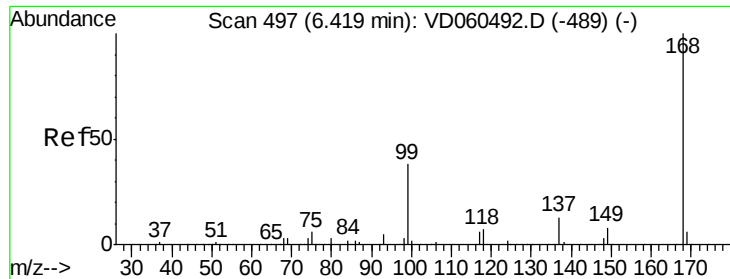
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121418\
Data File : VD060589.D
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ClientSampleId :

Quant Time: Dec 14 23:25:45 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD060589.D

Acq: 14 Dec 2018 22:40

Instrument :

MSVOA_D

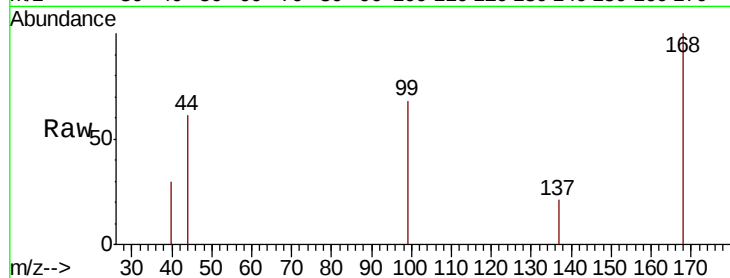
ClientSampleId :

Tot Ion:168 Resp: 4803

Ion Ratio Lower Upper

168 100

99 67.5 35.6 53.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

2000

1500

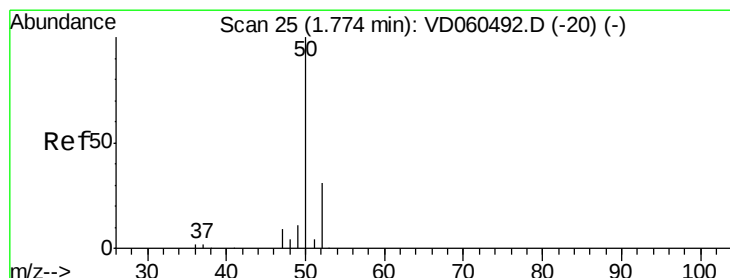
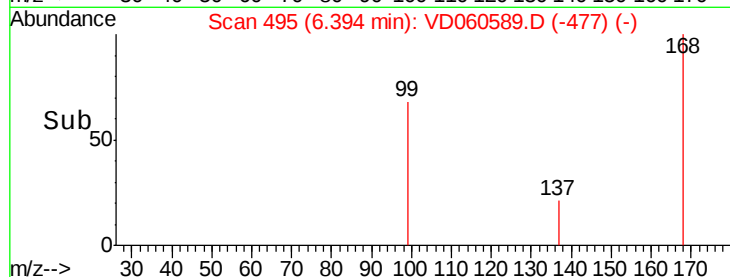
1000

500

0

6.30 6.35 6.40 6.45

Time-->



#3

Chloromethane

Concen: 4.134 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VD060589.D

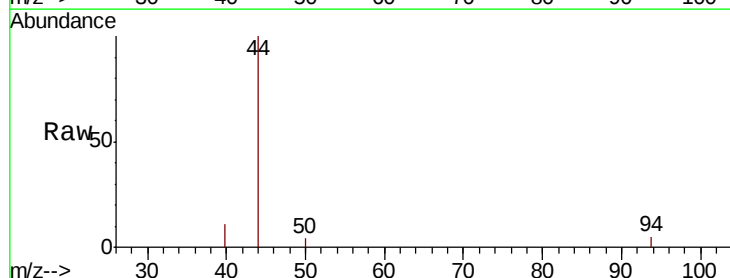
Acq: 14 Dec 2018 22:40

Tgt Ion: 50 Resp: 204

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.78

400

300

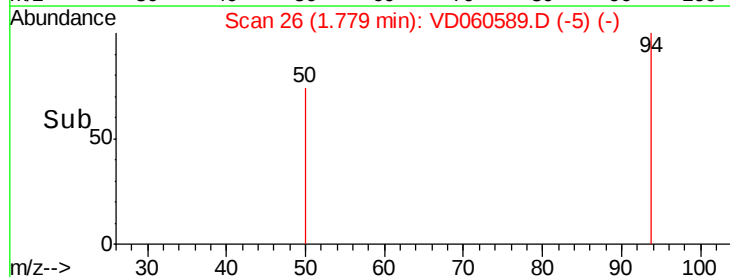
200

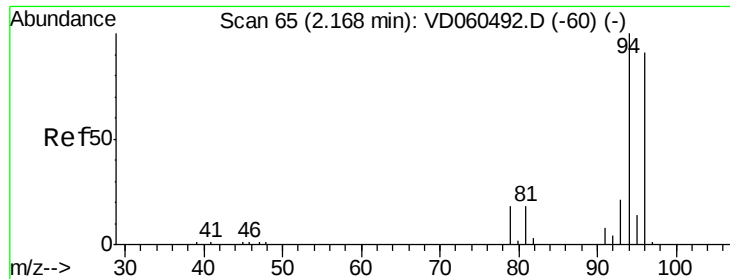
100

0

1.74 1.76 1.78 1.80

Time-->





#5

Bromomethane

Concen: 62.418 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.01 min

Lab File: VD060589.D

Acq: 14 Dec 2018 22:40

Instrument :

MSVOA_D

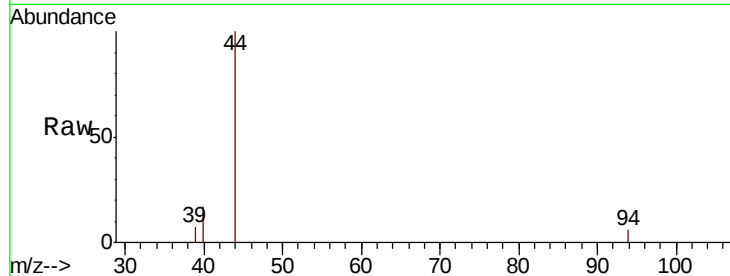
ClientSampleId :

Tot Ion: 94 Resp: 615

Ion Ratio Lower Upper

94 100

96 0.0 72.6 108.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.16

400

300

200

100

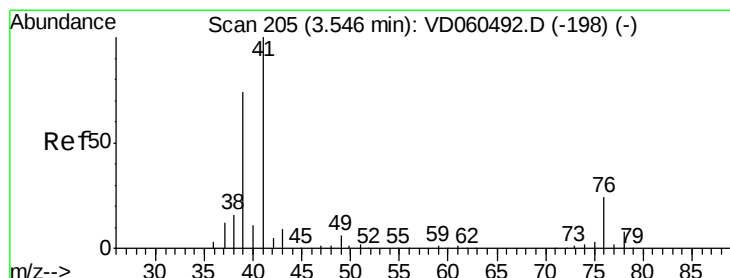
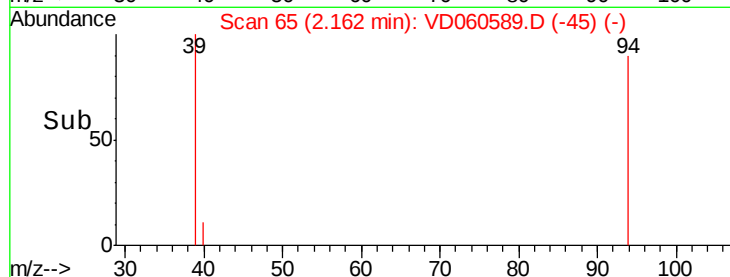
0

Time-->

2.10

2.15

2.20



#14

Allyl chloride

Concen: 4.259 ug/l

RT: 3.54 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060589.D

Acq: 14 Dec 2018 22:40

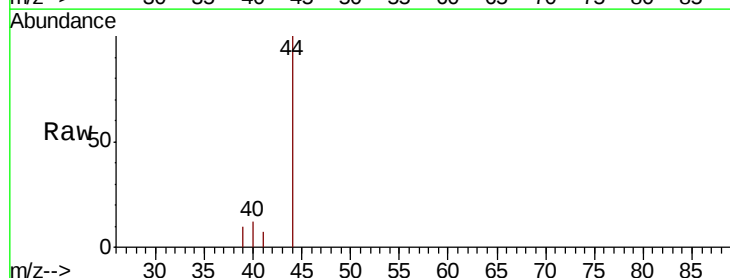
Tgt Ion: 41 Resp: 194

Ion Ratio Lower Upper

41 100

39 131.4 59.3 88.9#

76 0.0 21.0 31.6#



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

600

400

200

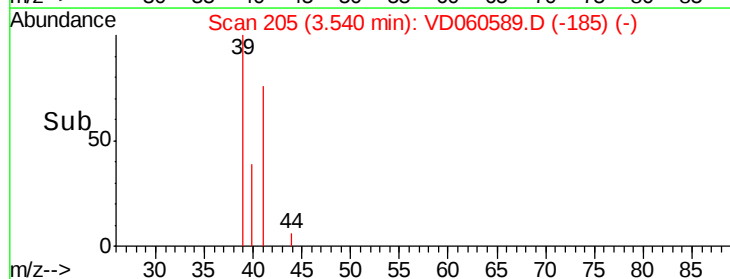
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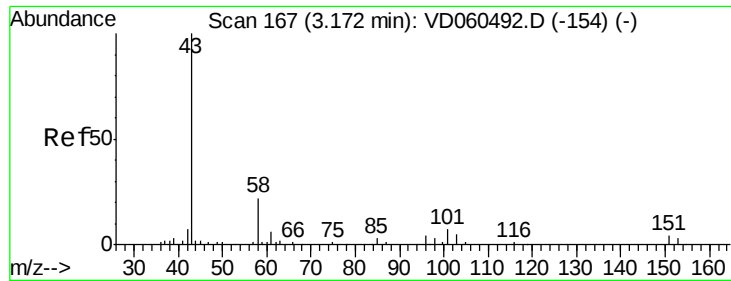
Time-->

3.52

3.54

3.56





#16

Acetone

Concen: 832.526 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.03 min

Lab File: VD060589.D

Acq: 14 Dec 2018 22:40

Instrument :

MSVOA_D

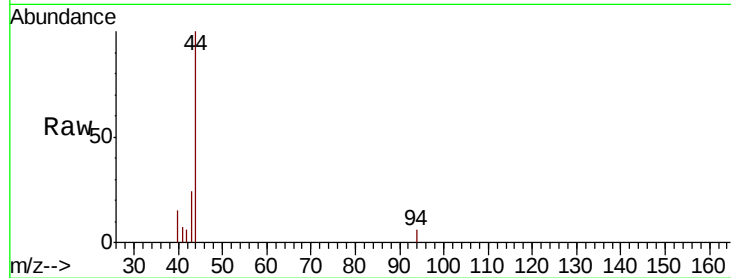
ClientSampled :

Tot Ion: 43 Resp: 4543

Ion Ratio Lower Upper

43 100

58 0.0 17.3 25.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1500

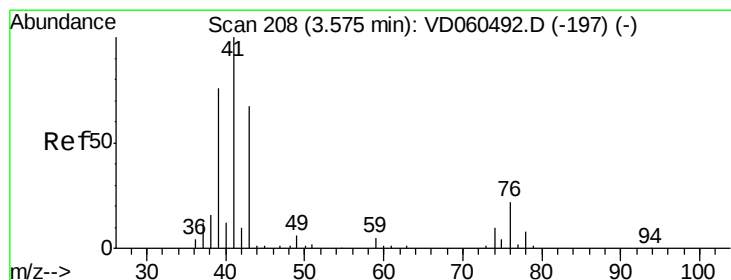
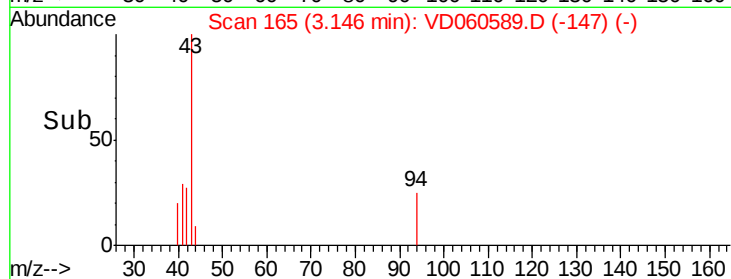
1000

500

0

3.05 3.10 3.15 3.20

Time-->



#18

Methyl Acetate

Concen: 63.227 ug/l

RT: 3.56 min Scan# 207

Delta R.T. -0.02 min

Lab File: VD060589.D

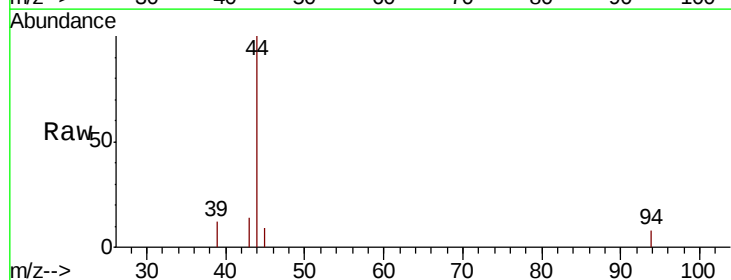
Acq: 14 Dec 2018 22:40

Tgt Ion: 43 Resp: 820

Ion Ratio Lower Upper

43 100

74 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

600

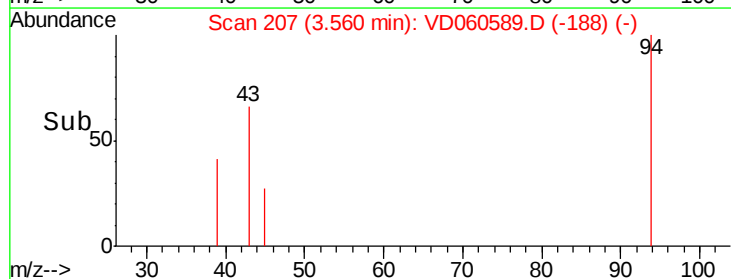
400

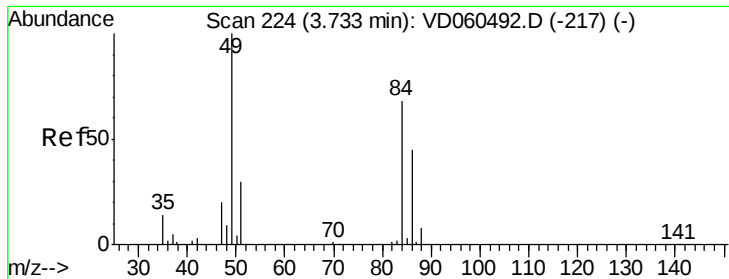
200

0

3.54 3.56 3.58

Time-->

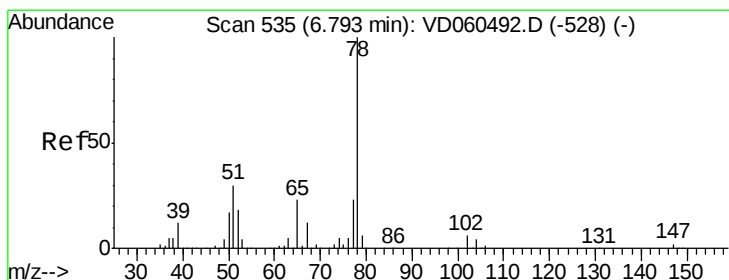
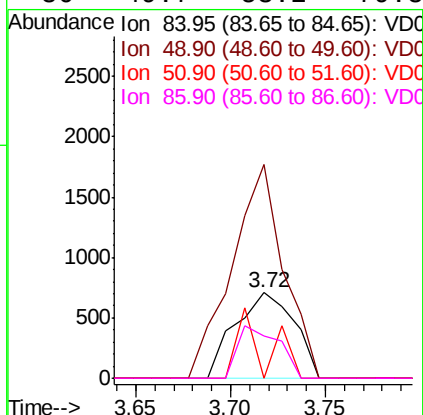
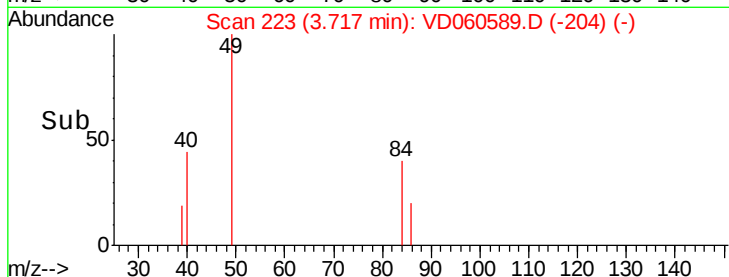
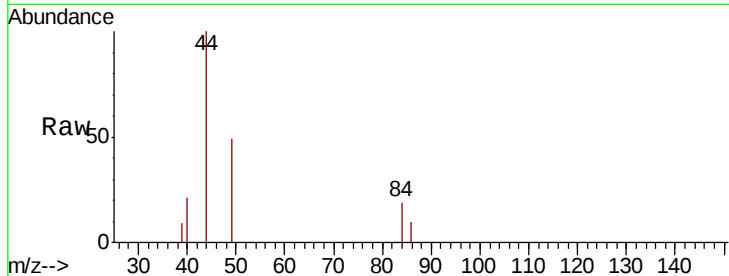




#20
Methvlene Chloride
Concen: 28.624 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060589.D
Acq: 14 Dec 2018 22:40

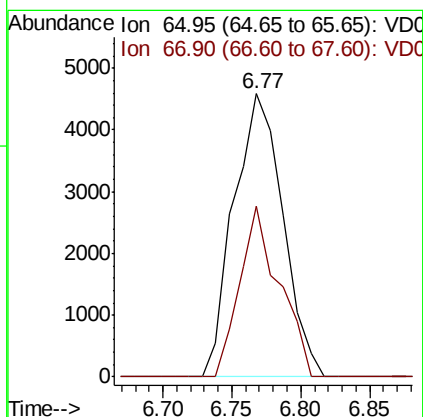
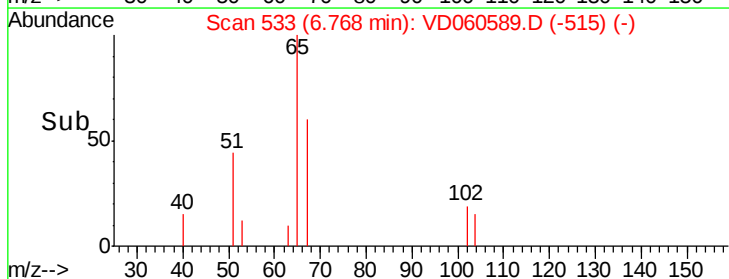
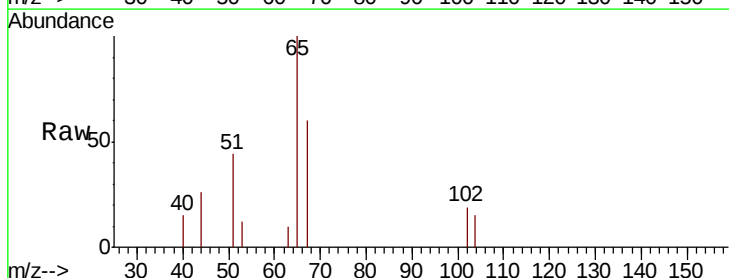
Instrument :
MSVOA_D
ClientSampleId :

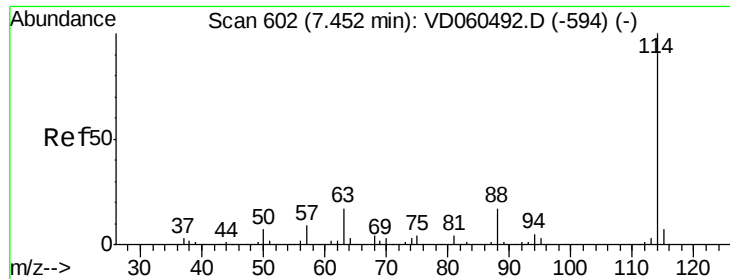
Tot Ion: 84 Resp: 1530
Ion Ratio Lower Upper
84 100
49 250.7 117.2 175.8#
51 0.0 35.3 52.9#
86 49.7 53.2 79.8#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.03 min
Lab File: VD060589.D
Acq: 14 Dec 2018 22:40

Tgt Ion: 65 Resp: 11344
Ion Ratio Lower Upper
65 100
67 60.2 0.0 106.8

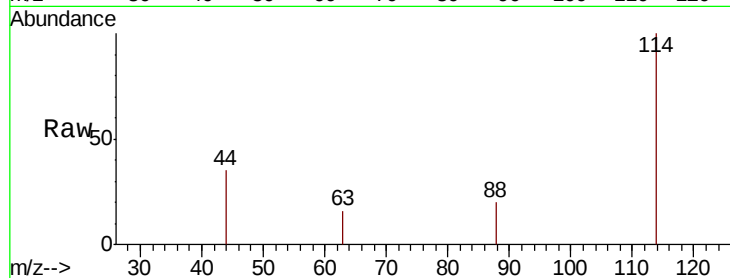




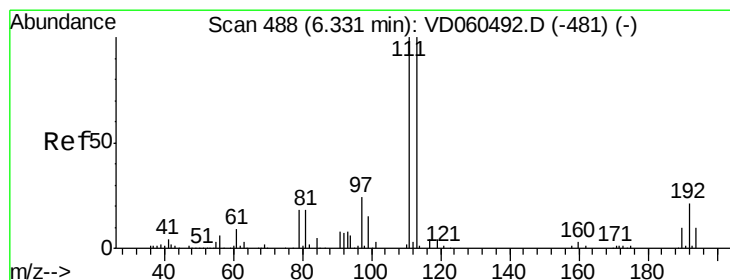
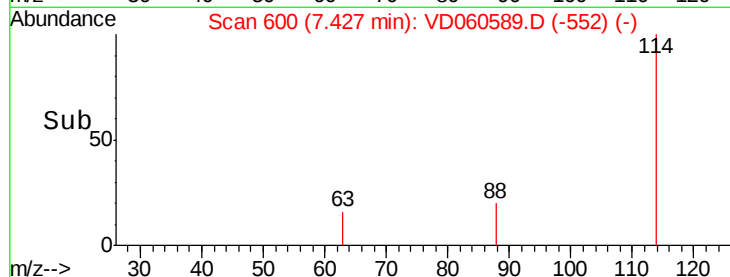
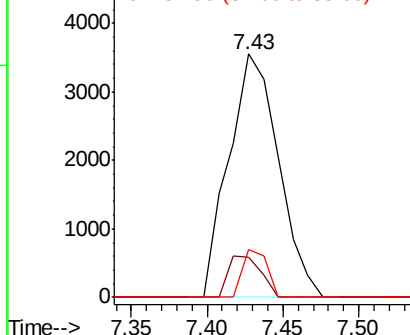
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: VD060589.D
 Acq: 14 Dec 2018 22:40

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 8108
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 34.2
 88 19.7 0.0 35.0

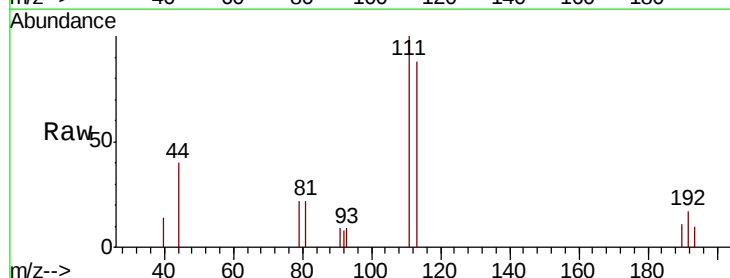


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

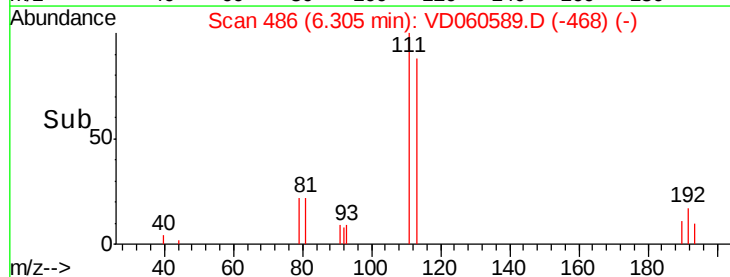
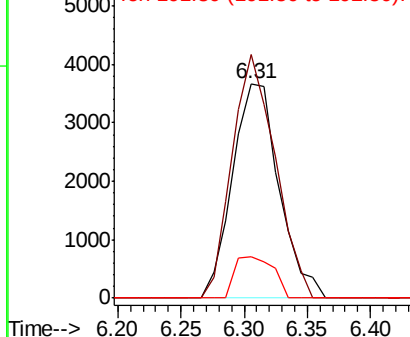


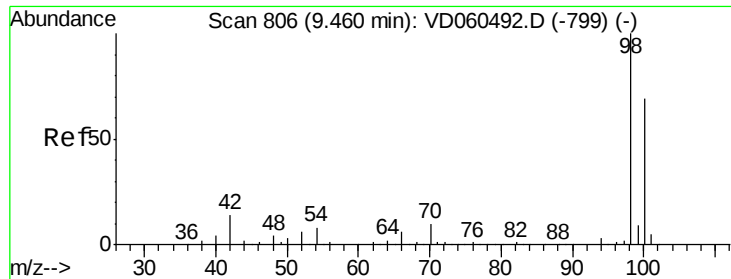
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: VD060589.D
 Acq: 14 Dec 2018 22:40

Tgt Ion:113 Resp: 9425
 Ion Ratio Lower Upper
 113 100
 111 113.6 80.2 120.4
 192 19.2 16.6 24.8



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

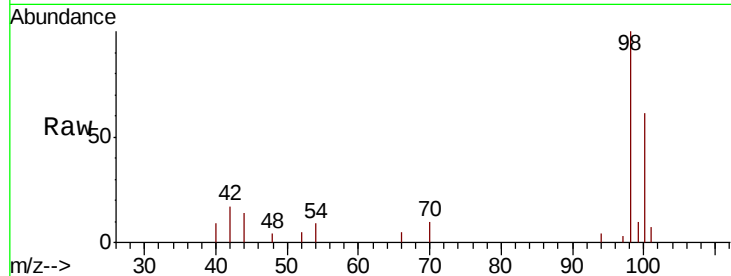




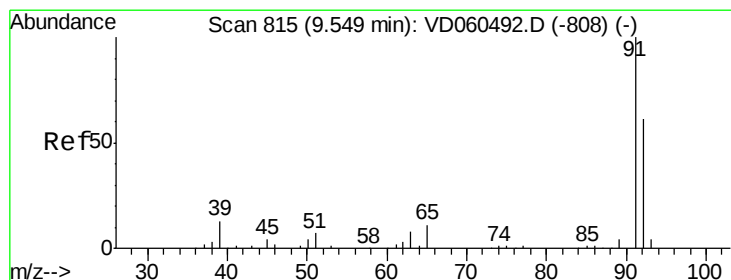
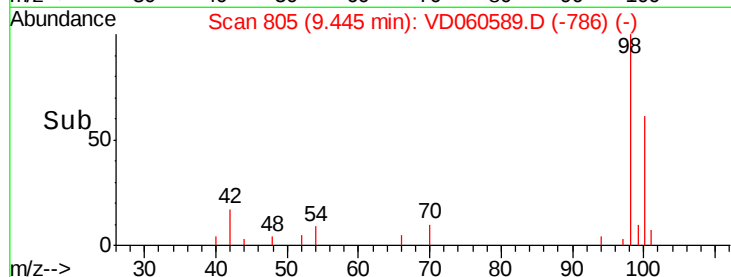
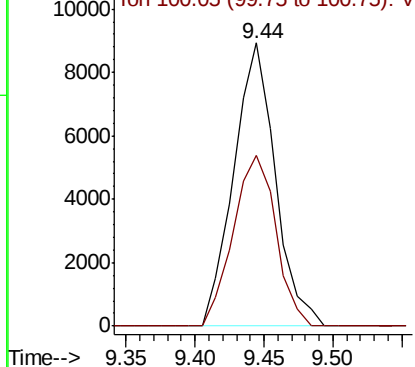
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 805
Delta R.T. -0.02 min
Lab File: VD060589.D
Acq: 14 Dec 2018 22:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 18781
Ion Ratio Lower Upper
98 100
100 60.5 55.7 83.5

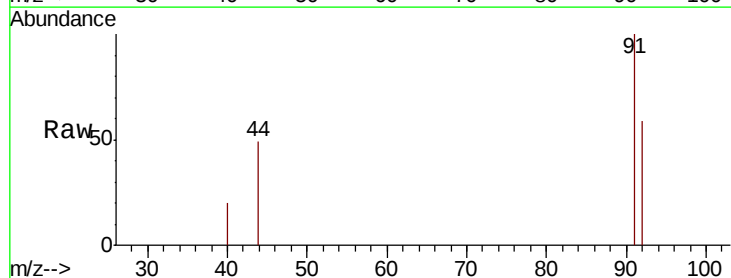


Abundance Ion 98.05 (97.75 to 98.75): VD060492.D (-799) (-)
Ion 100.05 (99.75 to 100.75): VD060492.D (-799) (-)

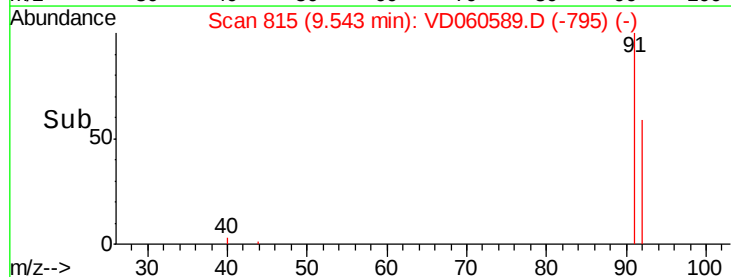
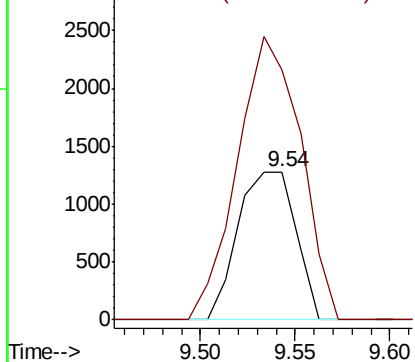


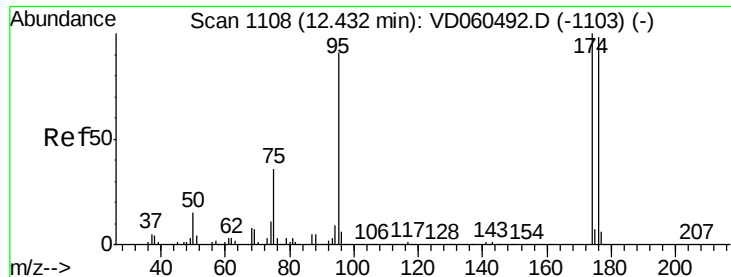
#52
Toluene
Concen: 21.319 ug/l
RT: 9.54 min Scan# 815
Delta R.T. -0.01 min
Lab File: VD060589.D
Acq: 14 Dec 2018 22:40

Tgt Ion: 92 Resp: 2699
Ion Ratio Lower Upper
92 100
91 168.9 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VD060492.D (-808) (-)
Ion 91.00 (90.70 to 91.70): VD060492.D (-808) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060589.D

Acq: 14 Dec 2018 22:40

Instrument :

MSVOA_D

ClientSampleId :

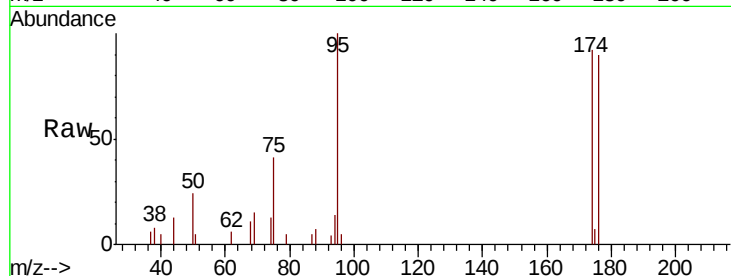
Tot Ion: 95 Resp: 8496

Ion Ratio Lower Upper

95 100

174 91.9 0.0 219.4

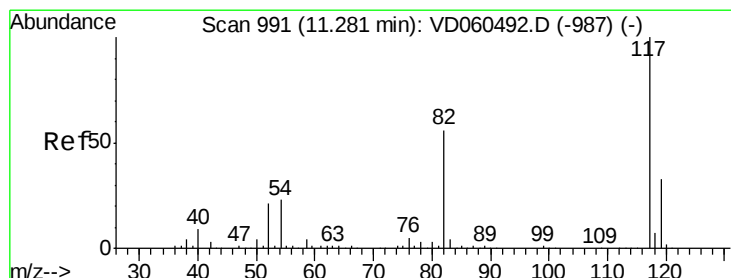
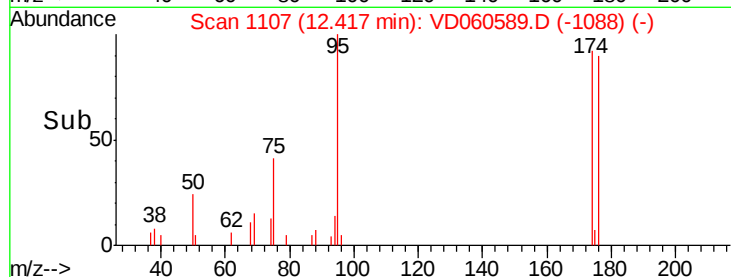
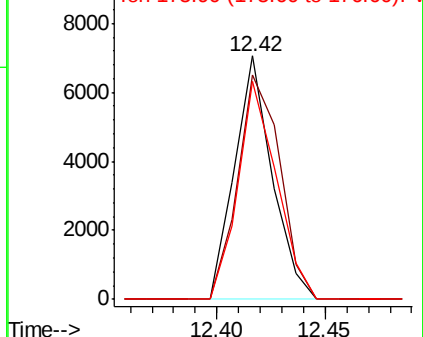
176 89.5 0.0 214.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.28 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD060589.D

Acq: 14 Dec 2018 22:40

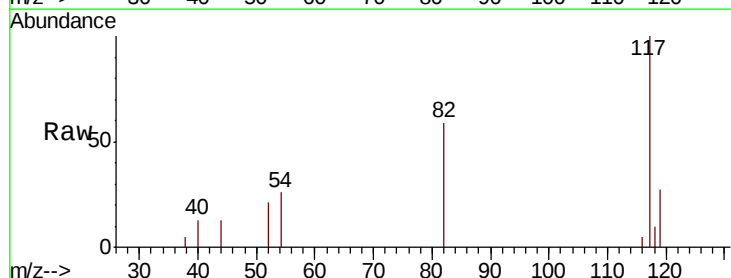
Tgt Ion: 117 Resp: 10675

Ion Ratio Lower Upper

117 100

82 59.3 45.2 67.8

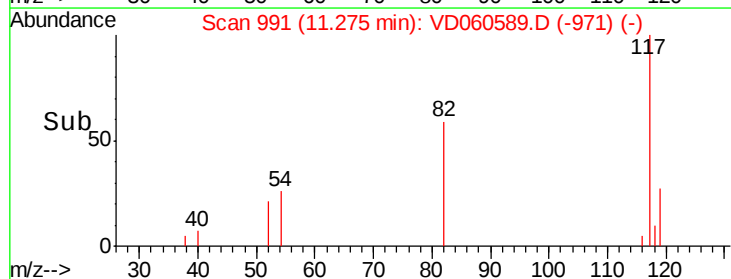
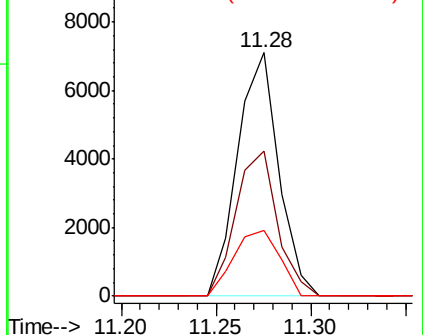
119 26.9 26.1 39.1

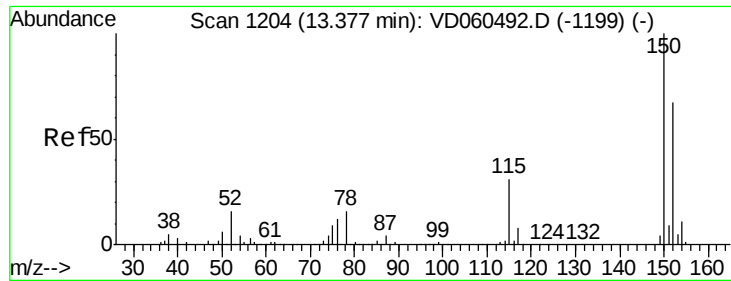


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



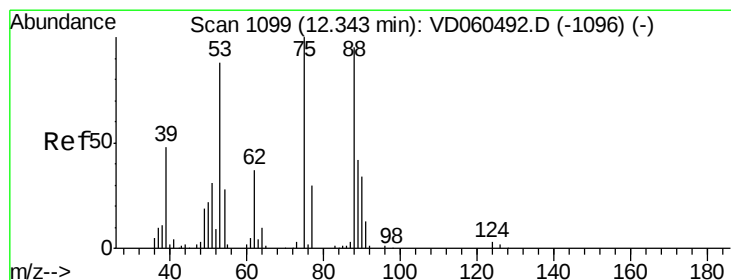
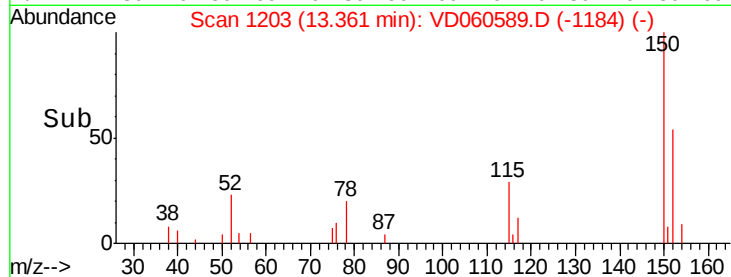
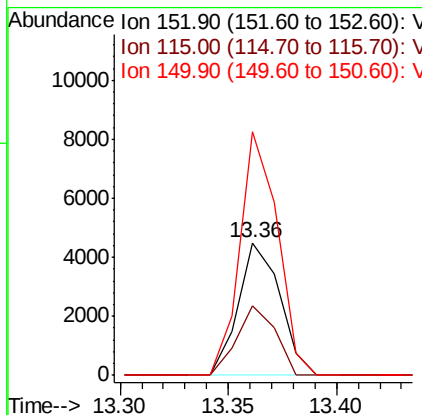
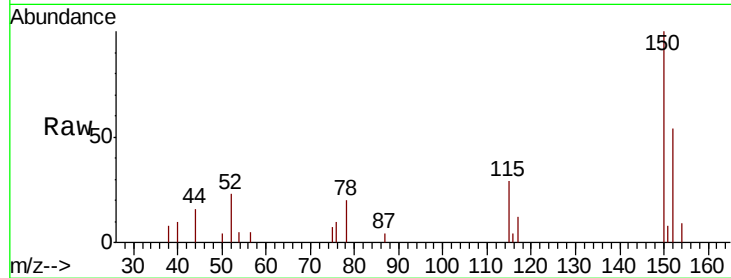


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060589.D
Acq: 14 Dec 2018 22:40

Instrument :
MSVOA_D
ClientSampleId :

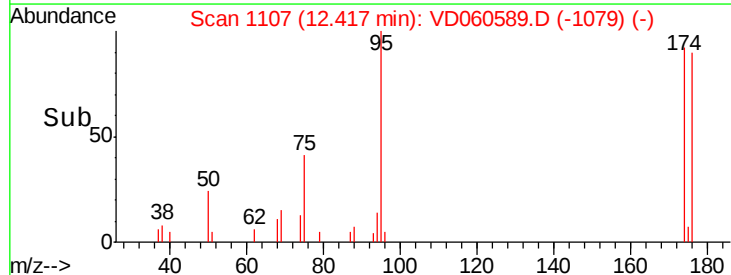
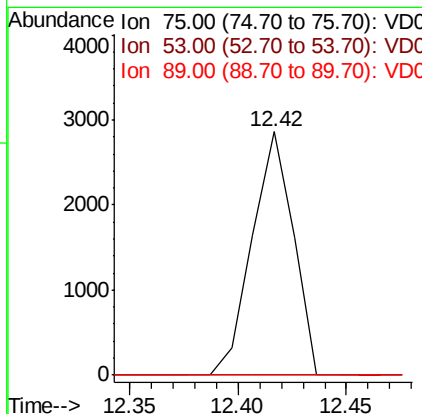
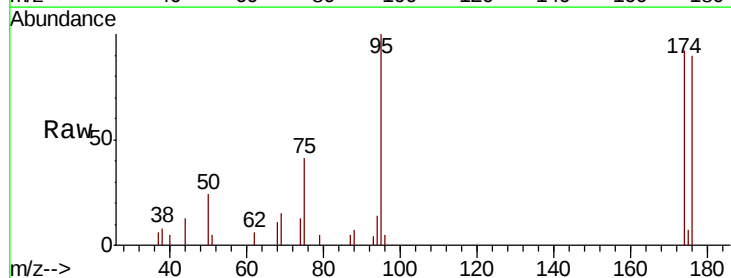
Tot Ion:152 Resp: 6015
Ion Ratio Lower Upper
152 100
115 52.8 24.6 74.0
150 183.6 0.0 309.0

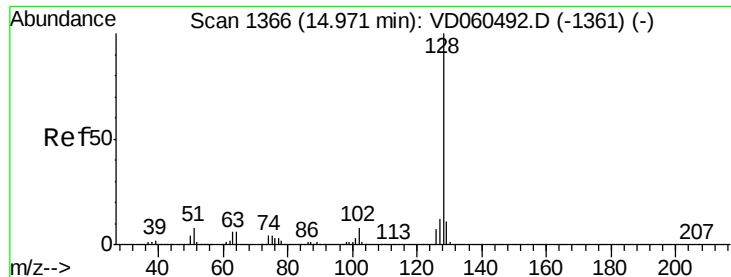


#81

trans-1,4-Dichloro-2-butene
Concen: 200.280 ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.07 min
Lab File: VD060589.D
Acq: 14 Dec 2018 22:40

Tgt Ion: 75 Resp: 3807
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 33.6 50.4#

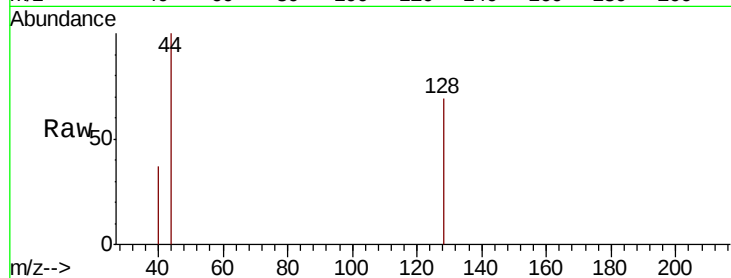




#95
Naphthalene
Concen: 5.696 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060589.D
Acq: 14 Dec 2018 22:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.8	14.8#
129	0.0	8.6	13.0#



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

