

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091918\
 Data File : VD060042.D
 Acq On : 19 Sep 2018 15:46
 Operator : JC/SY
 Sample : J4993-04
 Misc : 5.13g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 20 05:44:18 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	6.42	168	6575	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	7.45	114	11180	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	7945	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	4203	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	4680	91.28	ug/l	0.03
Spiked Amount			Recovery	=	182.56%	
35) Dibromofluoromethane	6.33	113	4434	50.76	ug/l	0.03
Spiked Amount			Recovery	=	101.52%	
50) Toluene-d8	9.47	98	7655	31.62	ug/l	0.03
Spiked Amount			Recovery	=	63.24%	
62) 4-Bromofluorobenzene	12.43	95	3484	37.67	ug/l	0.02
Spiked Amount			Recovery	=	75.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.78	50	408	6.66	ug/l #	43
5) Bromomethane	2.12	94	1295	221.99	ug/l #	1
10) Methyl Iodide	3.29	142	2138	59.00	ug/l #	86
13) Acrolein	2.99	56	180	70.26	ug/l #	13
14) Allyl chloride	3.53	41	198	3.47	ug/l #	19
16) Acetone	3.15	43	12682	1281.08	ug/l	97
18) Methyl Acetate	3.53	43	236	11.72	ug/l #	64
20) Methylene Chloride	3.74	84	964	7.57	ug/l #	57
23) Vinyl Acetate	4.80	43	229	1.55	ug/l #	80
25) 2-Butanone	5.63	43	3539	132.48	ug/l #	61
29) Tetrahydrofuran	5.95	42	665	46.42	ug/l #	41
37) Ethyl Acetate	5.63	43	3539	46.34	ug/l #	72
41) Methacrylonitrile	5.97	41	419	10.48	ug/l #	41
43) Isopropyl Acetate	8.03	43	1217	11.90	ug/l #	49
48) Methyl methacrylate	8.25	41	194	3.41	ug/l #	22
52) Toluene	9.56	92	184	1.01	ug/l #	55
59) 2-Hexanone	10.50	43	796	4.11	ug/l #	30
64) Tetrachloroethene	10.21	164	619	8.83	ug/l #	1
65) Chlorobenzene	11.32	112	235	1.38	ug/l #	43
70) Styrene	11.96	104	211	1.25	ug/l #	33
73) Isopropylbenzene	12.27	105	386	1.40	ug/l #	51
74) N-amyl acetate	12.08	43	691	6.33	ug/l #	52
76) 1,2,3-Trichloropropane	12.57	75	510	7.95	ug/l #	42
79) 2-Chlorotoluene	12.71	91	431	2.20	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.79	105	400	1.89	ug/l #	28
81) trans-1,4-Dichloro-2-buten	12.43	75	1182	61.00	ug/l #	15
82) 4-Chlorotoluene	12.81	91	350	1.63	ug/l #	44
84) 1,2,4-Trimethylbenzene	13.10	105	512	2.27	ug/l #	31
85) sec-Butylbenzene	13.10	105	512	1.76	ug/l #	62
87) 1,3-Dichlorobenzene	13.39	146	831	6.02	ug/l	73
88) 1,4-Dichlorobenzene	13.39	146	831	5.93	ug/l #	69
91) 1,2-Dichlorobenzene	13.66	146	680	3.84	ug/l #	63
93) 1,2,4-Trichlorobenzene	14.79	180	329	3.34	ug/l #	88
95) Naphthalene	14.97	128	2241	14.75	ug/l #	70

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QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration

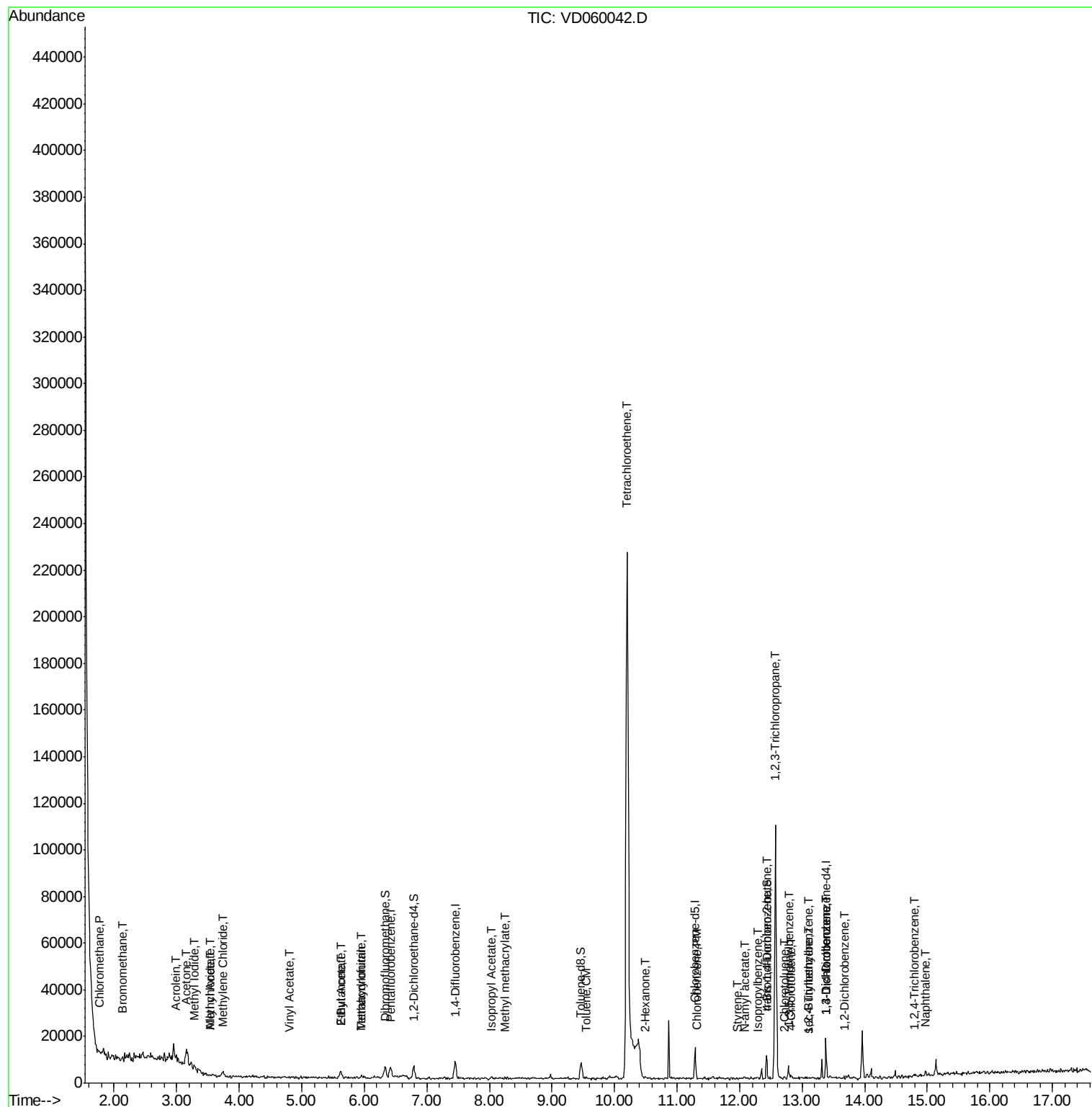
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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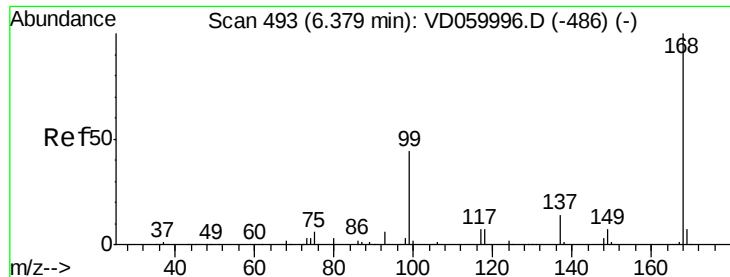
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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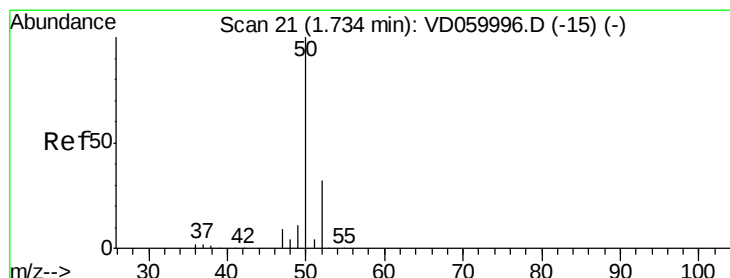
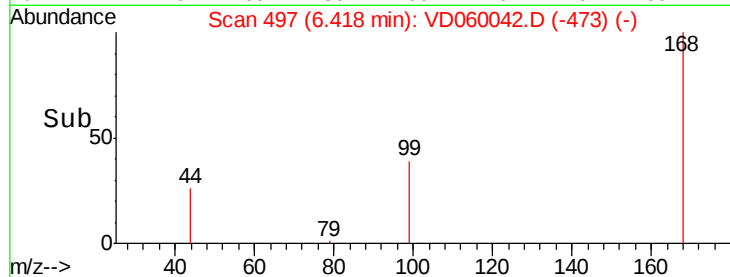
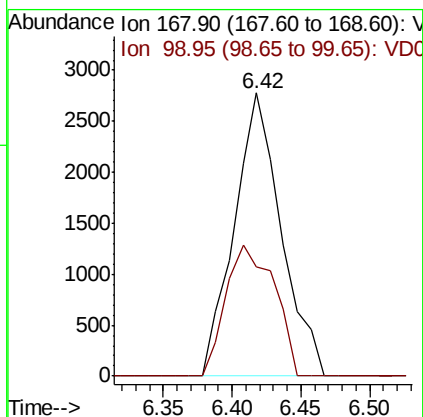
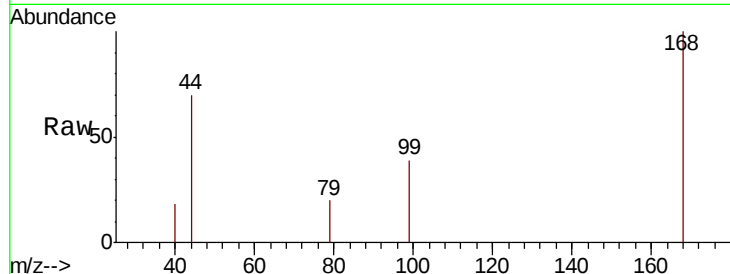




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 6.42 min Scan# 497
Delta R.T. 0.04 min
Lab File: VD060042.D
Acq: 19 Sep 2018 15:46

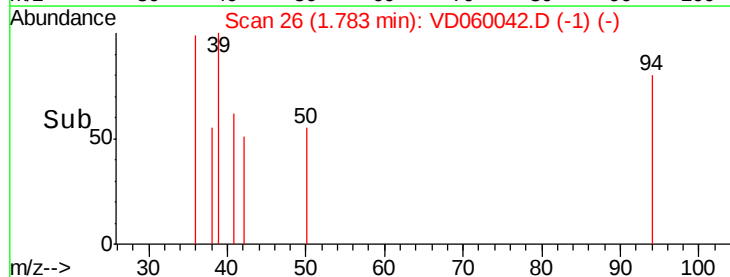
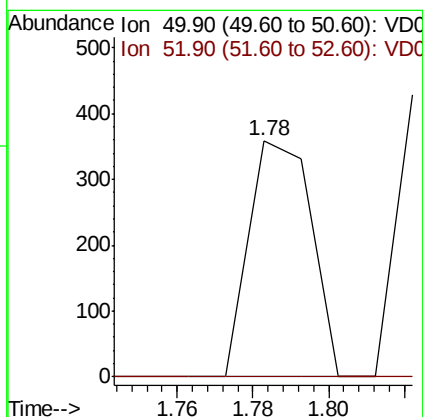
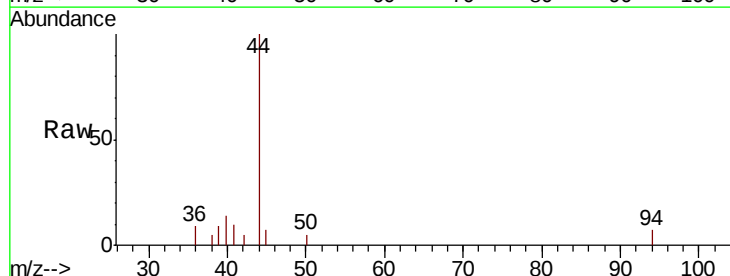
Instrument :
MSVOA_D
ClientSampled :

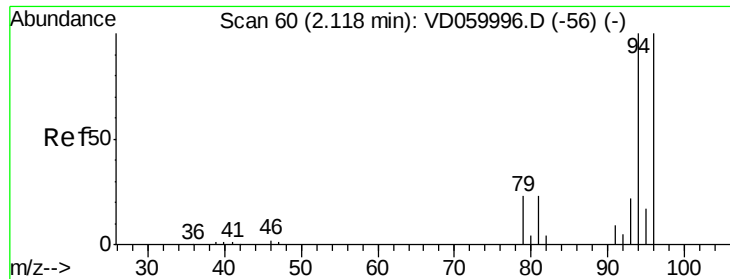
Tot Ion:168 Resp: 6575
Ion Ratio Lower Upper
168 100
99 38.6 38.5 57.7



#3
Chloromethane
Concen: 6.66 ug/l
RT: 1.78 min Scan# 26
Delta R.T. 0.05 min
Lab File: VD060042.D
Acq: 19 Sep 2018 15:46

Tgt Ion: 50 Resp: 408
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#5

Bromomethane

Concen: 221.99 ug/l

RT: 2.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VD060042.D

Acq: 19 Sep 2018 15:46

Instrument :

MSVOA_D

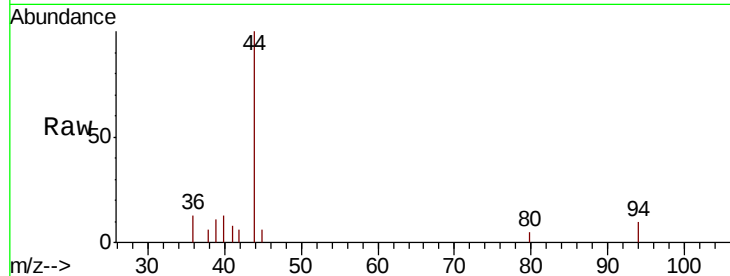
ClientSampleId :

Tot Ion: 94 Resp: 1295

Ion Ratio Lower Upper

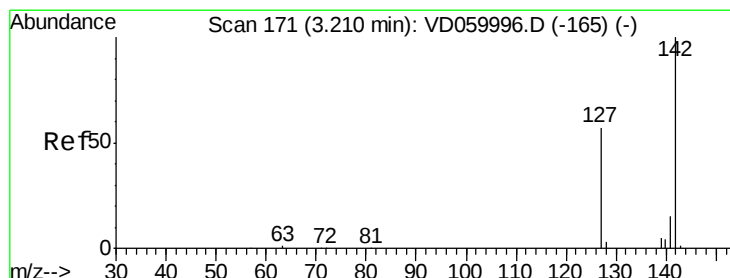
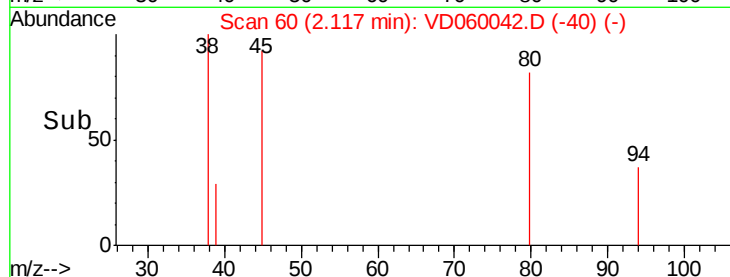
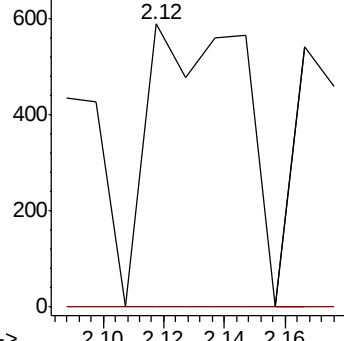
94 100

96 0.0 79.8 119.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#10

Methyl Iodide

Concen: 59.00 ug/l

RT: 3.29 min Scan# 179

Delta R.T. 0.08 min

Lab File: VD060042.D

Acq: 19 Sep 2018 15:46

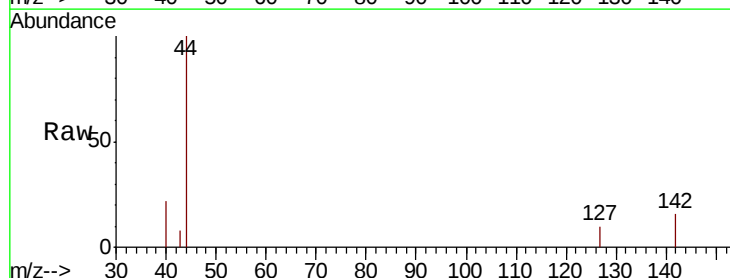
Tgt Ion: 142 Resp: 2138

Ion Ratio Lower Upper

142 100

127 63.4 45.8 68.8

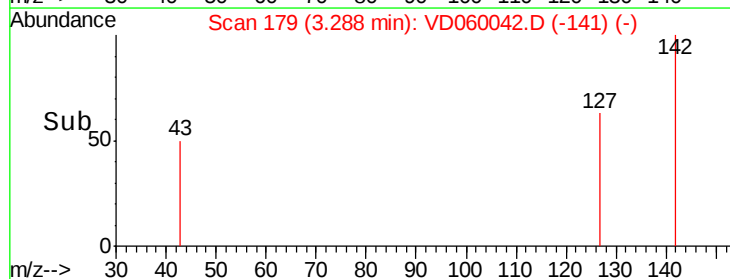
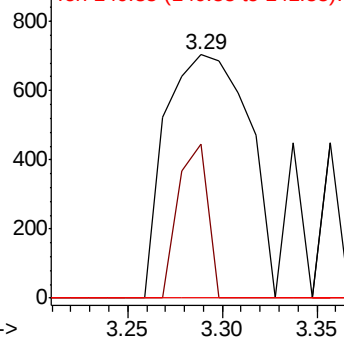
141 0.0 12.2 18.4#

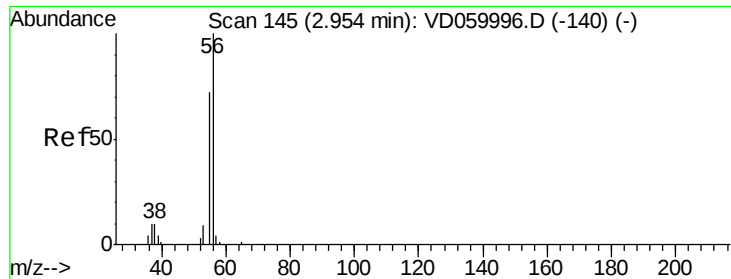


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#13

Acrolein

Concen: 70.26 ug/l

RT: 2.99 min Scan# 149

Delta R.T. 0.04 min

Lab File: VD060042.D

Acq: 19 Sep 2018 15:46

Instrument :

MSVOA_D

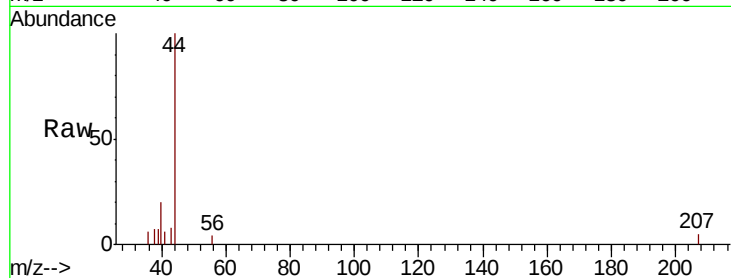
ClientSampleId :

Tot Ion: 56 Resp: 180

Ion Ratio Lower Upper

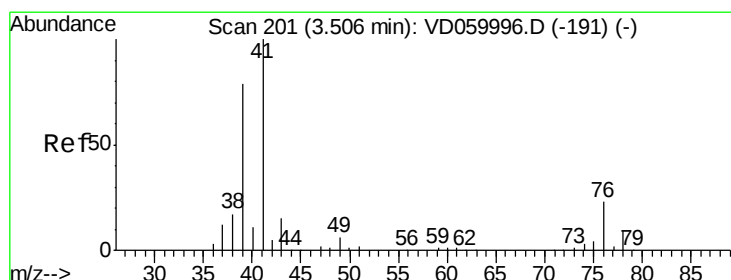
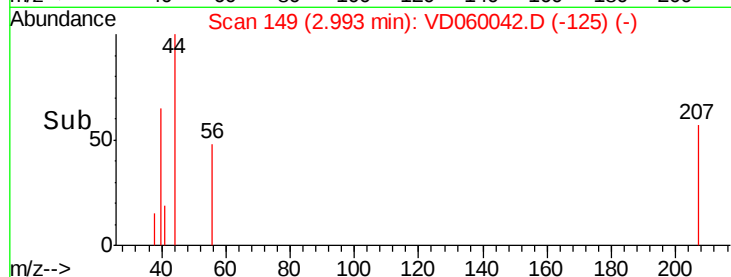
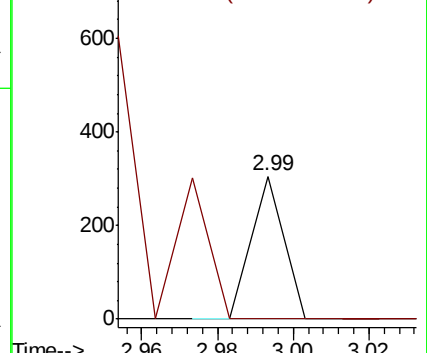
56 100

55 0.0 58.3 87.5#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 3.47 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.03 min

Lab File: VD060042.D

Acq: 19 Sep 2018 15:46

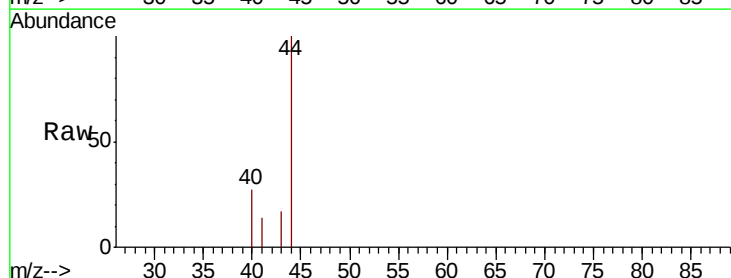
Tgt Ion: 41 Resp: 198

Ion Ratio Lower Upper

41 100

39 0.0 63.6 95.4#

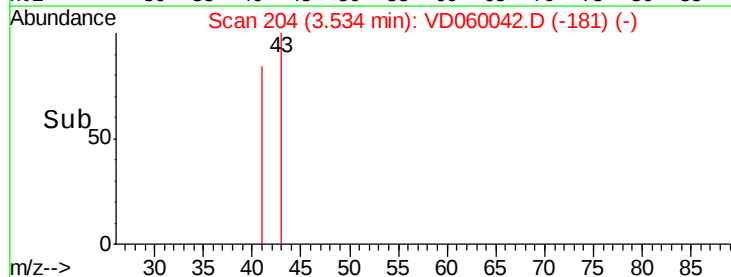
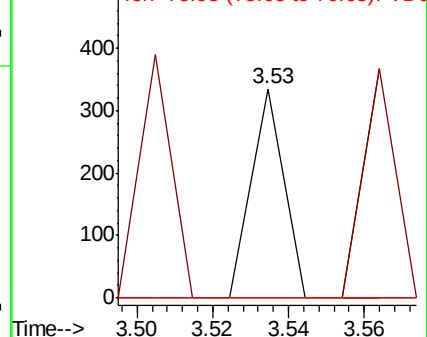
76 0.0 21.1 31.7#

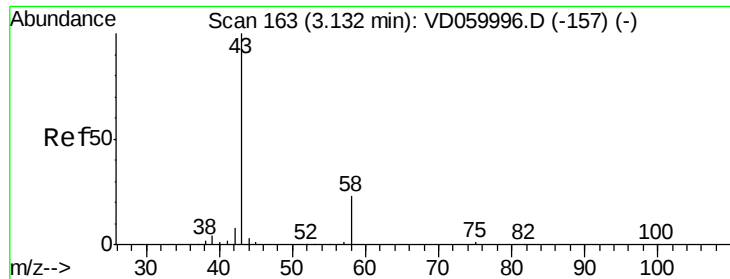


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#16

Acetone

Concen: 1281.08 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD060042.D

Acq: 19 Sep 2018 15:46

Instrument :

MSVOA_D

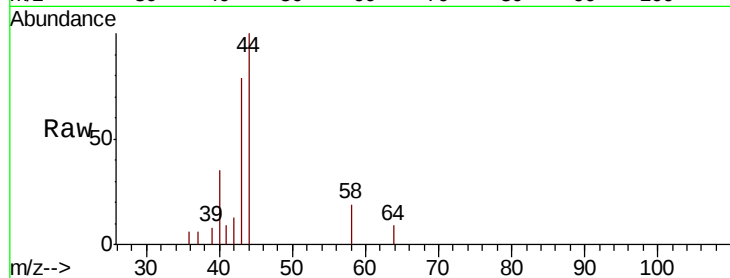
ClientSampleId :

Tot Ion: 43 Resp: 12682

Ion Ratio Lower Upper

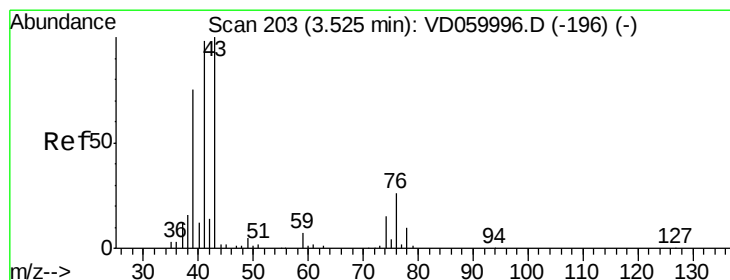
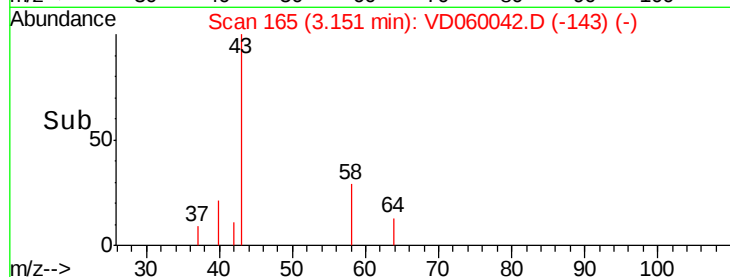
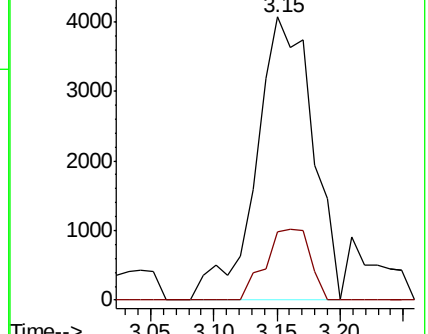
43 100

58 24.0 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: 11.72 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.01 min

Lab File: VD060042.D

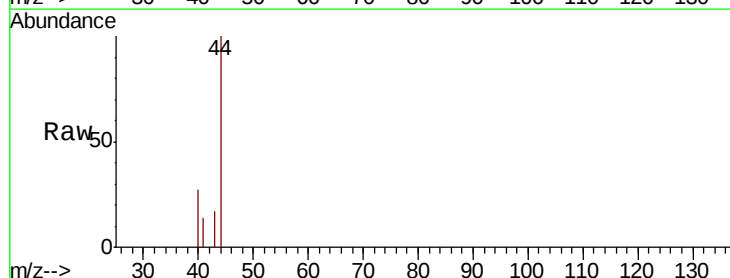
Acq: 19 Sep 2018 15:46

Tgt Ion: 43 Resp: 236

Ion Ratio Lower Upper

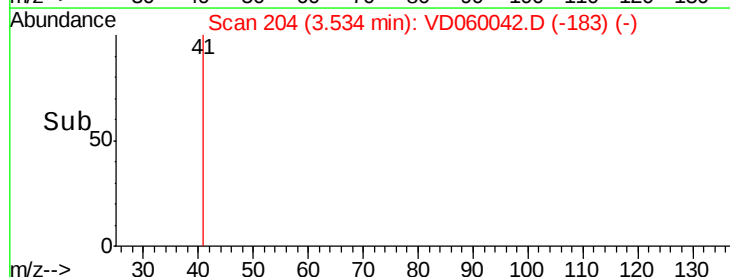
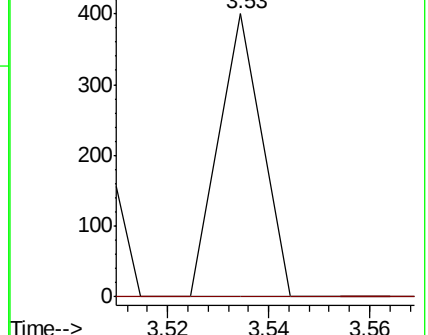
43 100

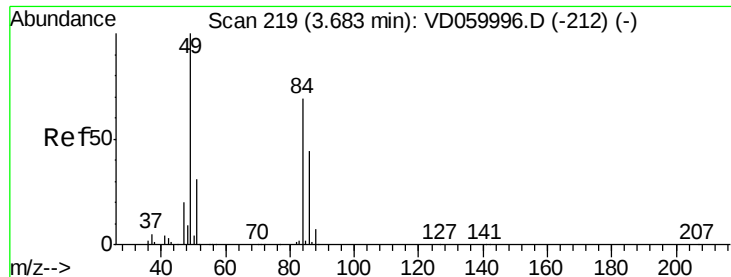
74 0.0 11.8 17.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methylene Chloride

Concen: 7.57 ug/l

RT: 3.74 min Scan# 225

Delta R.T. 0.06 min

Lab File: VD060042.D

Acq: 19 Sep 2018 15:46

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 964

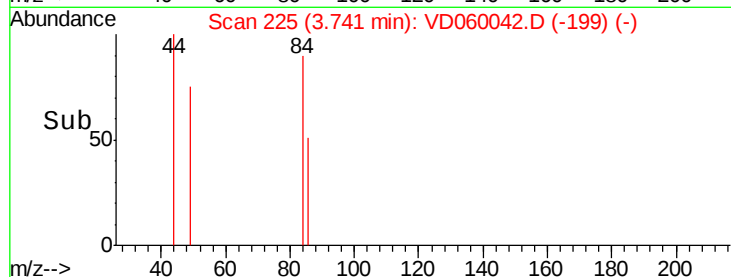
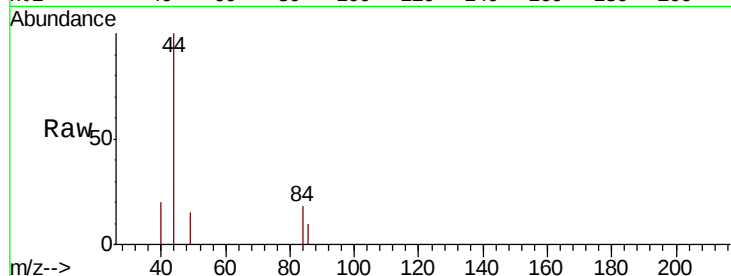
Ion Ratio Lower Upper

84 100

49 83.3 116.6 175.0#

51 0.0 35.9 53.9#

86 57.4 51.8 77.6

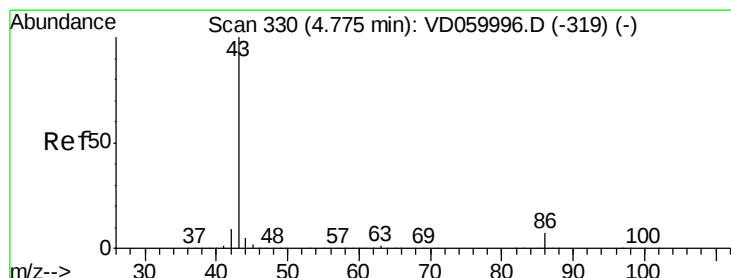
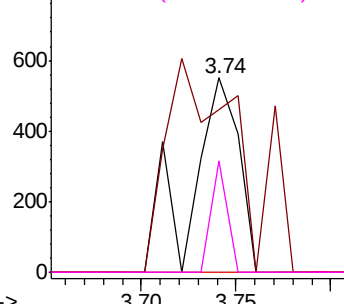


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#23

Vinyl Acetate

Concen: 1.55 ug/l

RT: 4.80 min Scan# 333

Delta R.T. 0.03 min

Lab File: VD060042.D

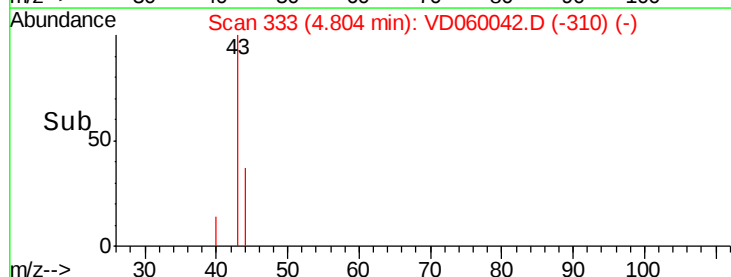
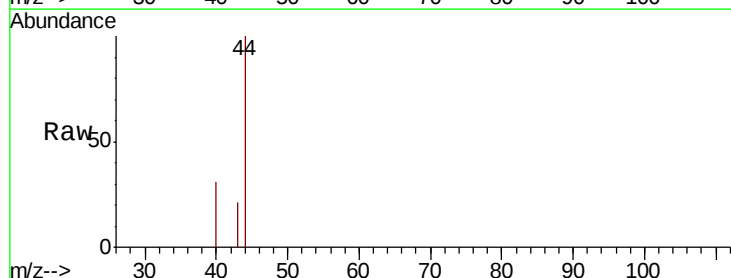
Acq: 19 Sep 2018 15:46

Tgt Ion: 43 Resp: 229

Ion Ratio Lower Upper

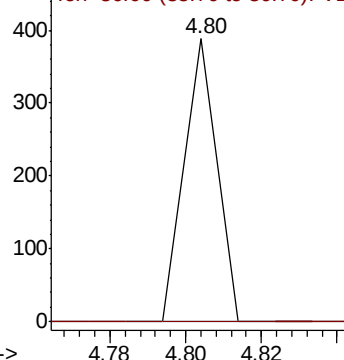
43 100

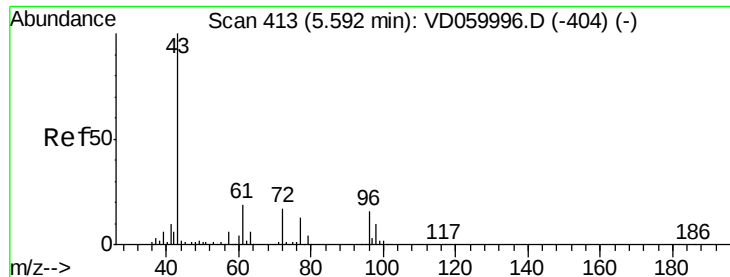
86 0.0 5.5 8.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC





#25

2-Butanone

Concen: 132.48 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.04 min

Lab File: VD060042.D

Acq: 19 Sep 2018 15:46

Instrument :

MSVOA_D

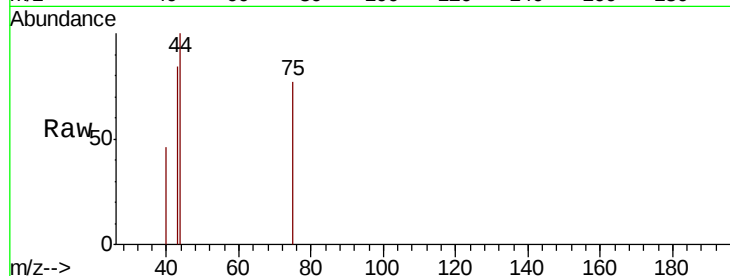
ClientSampled :

Tot Ion: 43 Resp: 3539

Ion Ratio Lower Upper

43 100

72 0.0 13.6 20.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

5.63

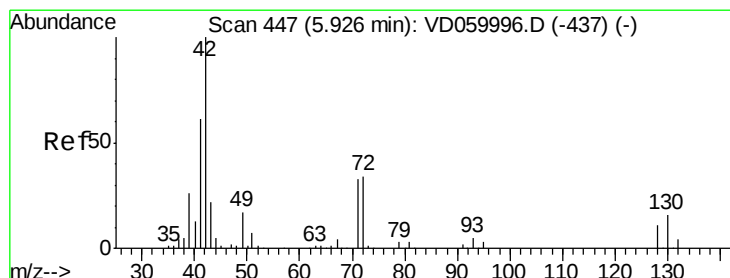
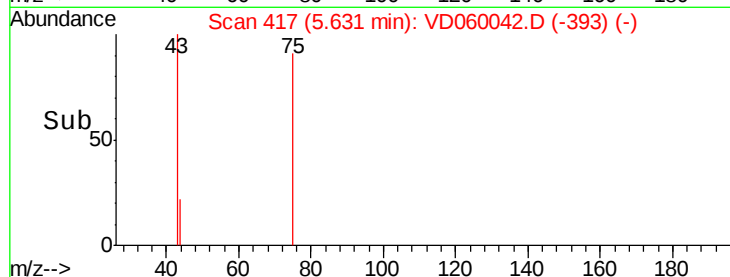
1500

1000

500

0

Time-->



#29

Tetrahydrofuran

Concen: 46.42 ug/l

RT: 5.95 min Scan# 449

Delta R.T. 0.02 min

Lab File: VD060042.D

Acq: 19 Sep 2018 15:46

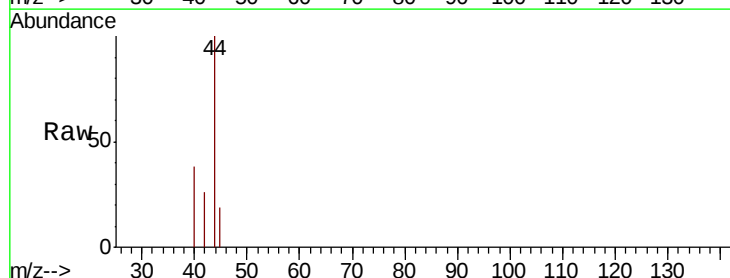
Tgt Ion: 42 Resp: 665

Ion Ratio Lower Upper

42 100

72 0.0 26.9 40.3#

71 0.0 26.2 39.4#



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

500

400

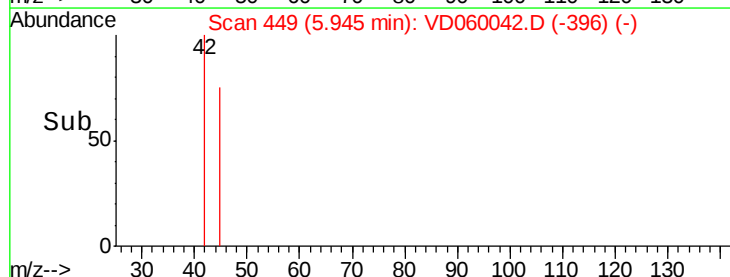
300

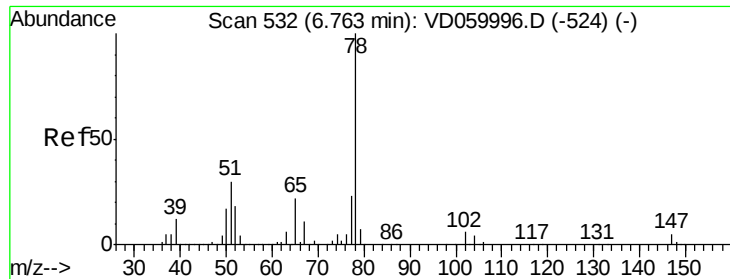
200

100

0

Time-->

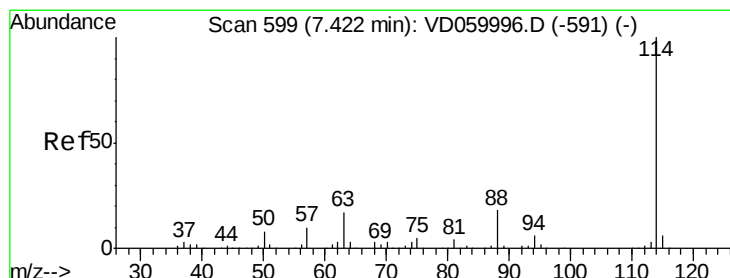
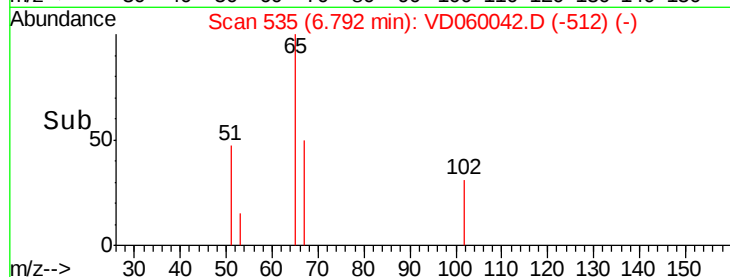
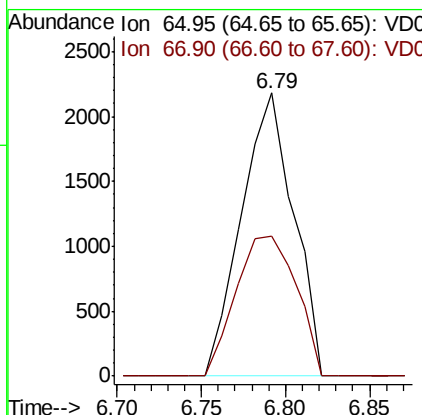
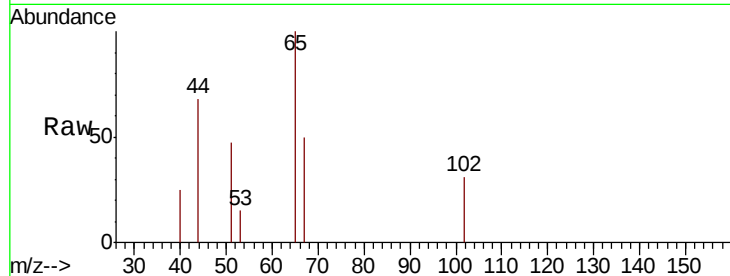




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. 0.03 min
 Lab File: VD060042.D
 Acq: 19 Sep 2018 15:46

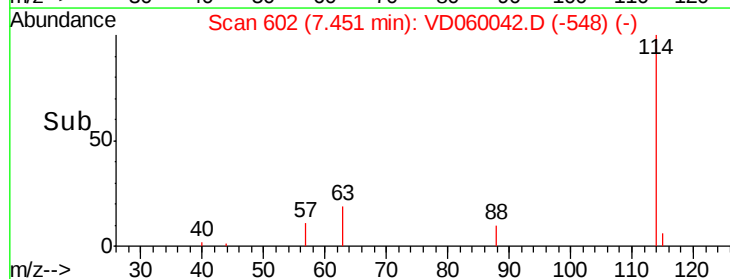
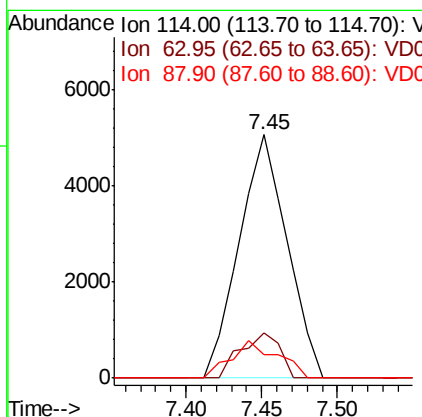
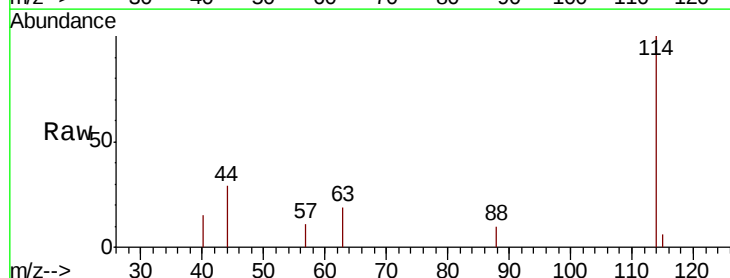
Instrument :
 MSVOA_D
 ClientSampleID :

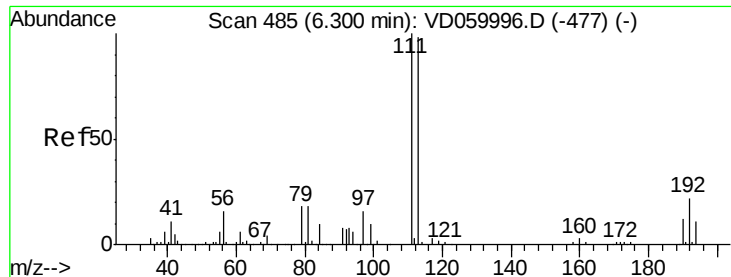
Tot Ion: 65 Resp: 4680
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.03 min
 Lab File: VD060042.D
 Acq: 19 Sep 2018 15:46

Tgt Ion: 114 Resp: 11180
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 34.4
 88 9.7 0.0 35.8





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.33 min Scan# 488

Delta R.T. 0.03 min

Lab File: VD060042.D

Acq: 19 Sep 2018 15:46

Instrument :

MSVOA_D

ClientSampled :

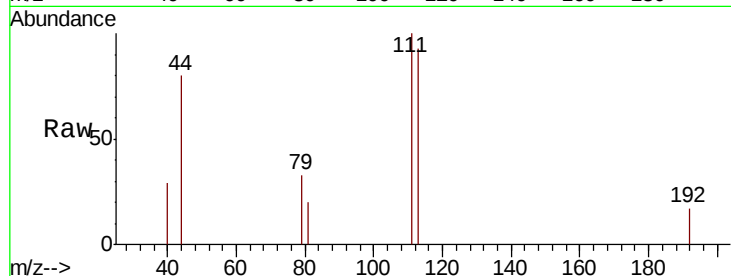
Tot Ion:113 Resp: 4434

Ion Ratio Lower Upper

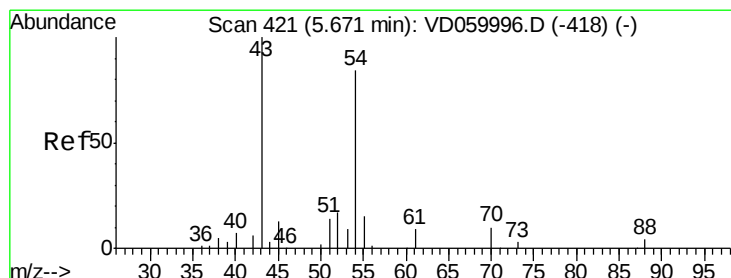
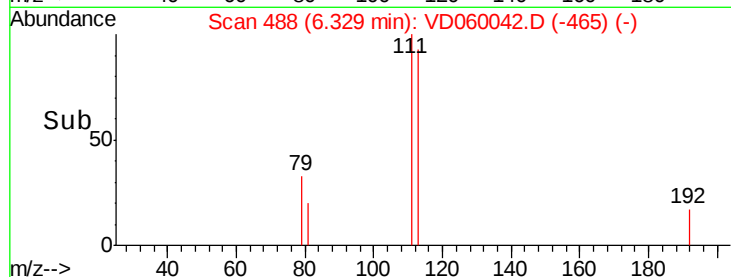
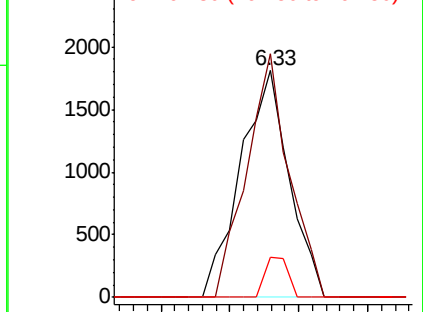
113 100

111 107.3 81.3 121.9

192 17.9 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



#37

Ethyl Acetate

Concen: 46.34 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.04 min

Lab File: VD060042.D

Acq: 19 Sep 2018 15:46

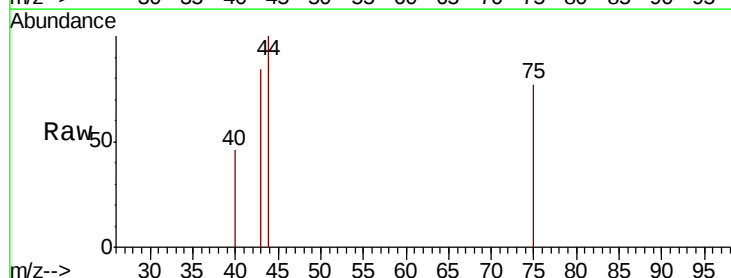
Tgt Ion: 43 Resp: 3539

Ion Ratio Lower Upper

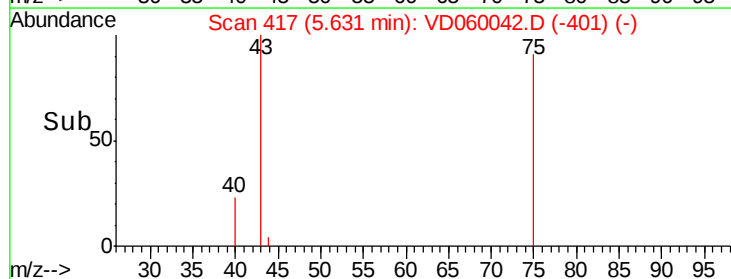
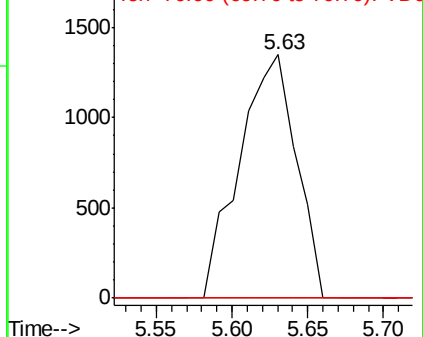
43 100

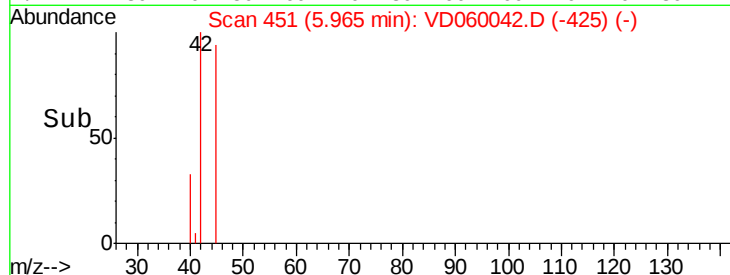
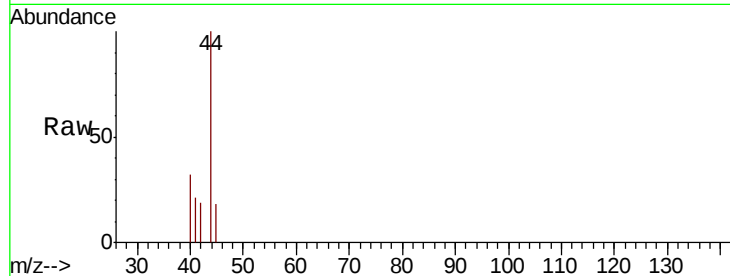
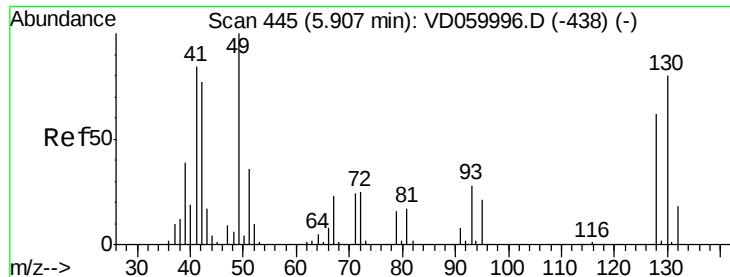
61 0.0 10.2 15.2#

70 0.0 6.1 9.1#



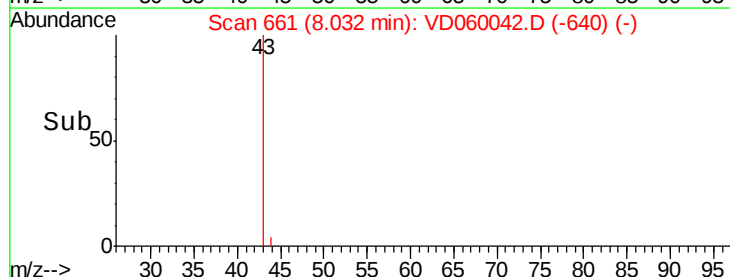
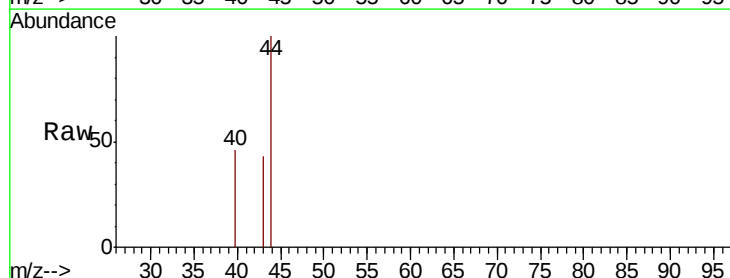
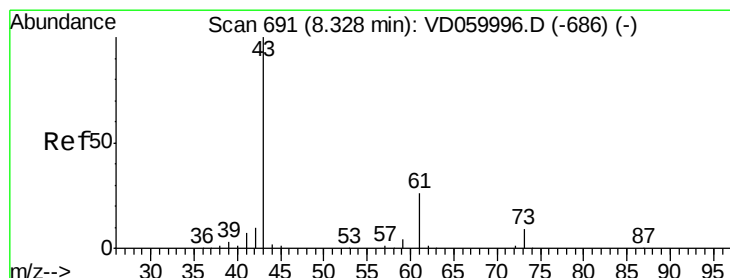
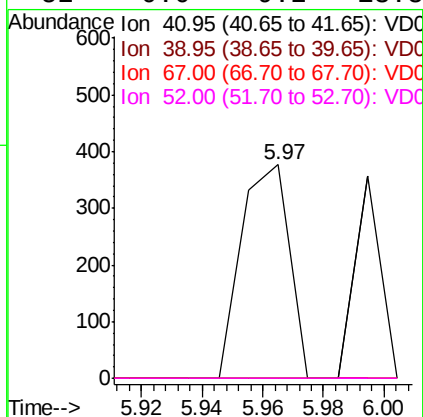
Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC





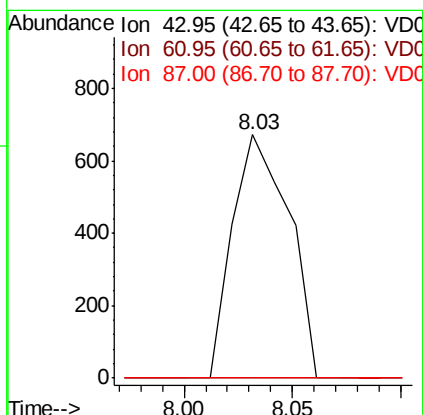
#41
Methacrylonitrile
Concen: 10.48 ug/l
RT: 5.97 min Scan# 451
Delta R.T. 0.06 min
Lab File: VD060042.D
Acq: 19 Sep 2018 15:46

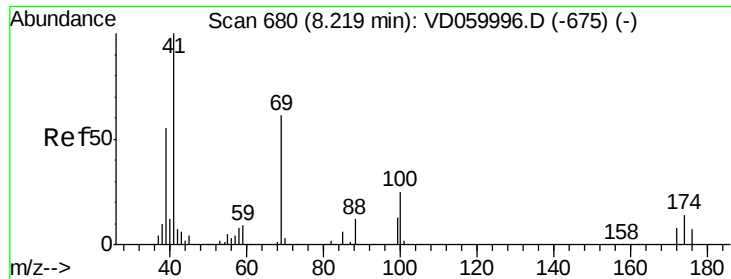
Tot Ion: 41 Resp: 419
Ion Ratio Lower Upper
41 100
39 0.0 37.5 56.3#
67 0.0 21.5 32.3#
52 0.0 9.2 13.8#



#43
Isopropyl Acetate
Concen: 11.90 ug/l
RT: 8.03 min Scan# 661
Delta R.T. -0.30 min
Lab File: VD060042.D
Acq: 19 Sep 2018 15:46

Tgt Ion: 43 Resp: 1217
Ion Ratio Lower Upper
43 100
61 0.0 21.0 31.6#
87 0.0 0.2 0.2#





#48

Methvl methacrylate

Concen: 3.41 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.03 min

Lab File: VD060042.D

Acq: 19 Sep 2018 15:46

Instrument :

MSVOA_D

ClientSampleId :

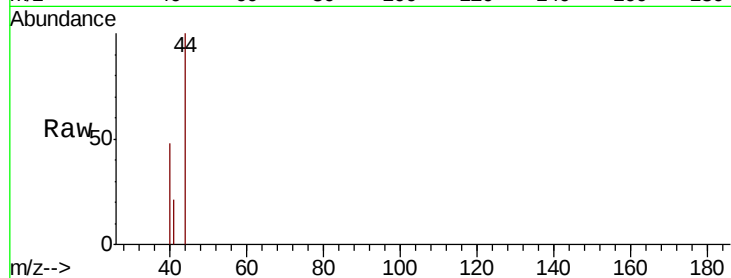
Tot Ion: 41 Resp: 194

Ion Ratio Lower Upper

41 100

69 0.0 48.3 72.5#

39 0.0 44.1 66.1#



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

8.25

300

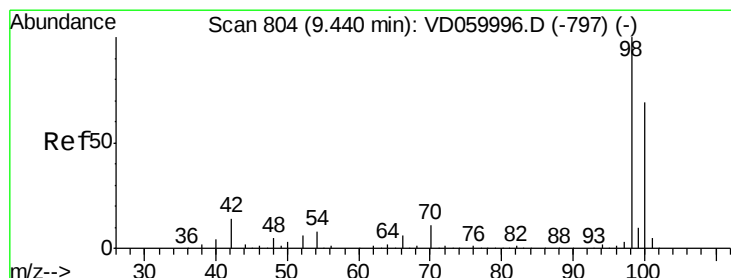
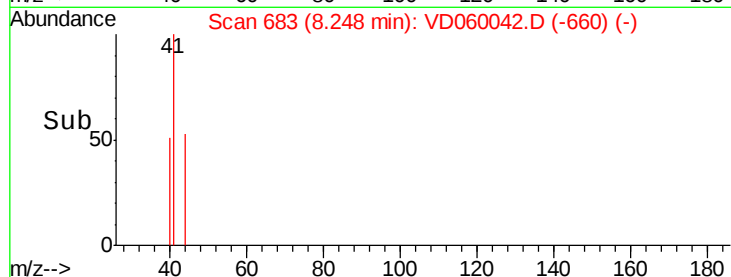
200

100

0

8.22 8.24 8.26 8.28

Time-->



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.47 min Scan# 807

Delta R.T. 0.03 min

Lab File: VD060042.D

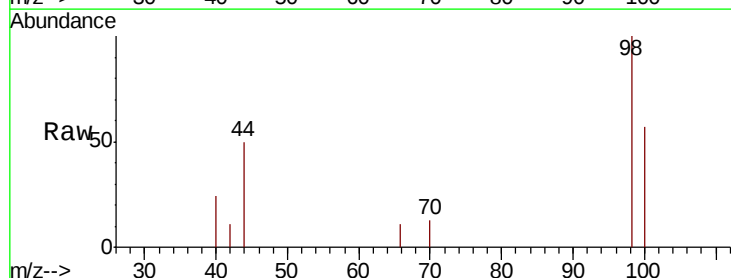
Acq: 19 Sep 2018 15:46

Tgt Ion: 98 Resp: 7655

Ion Ratio Lower Upper

98 100

100 57.0 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

9.47

3000

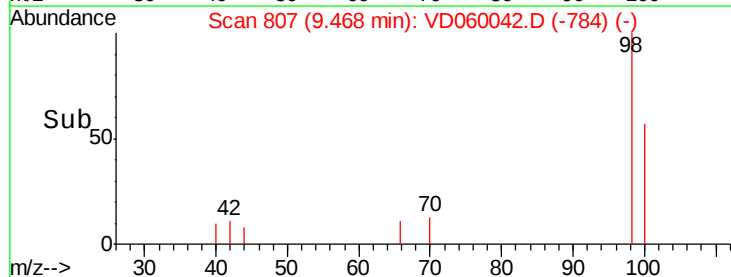
2000

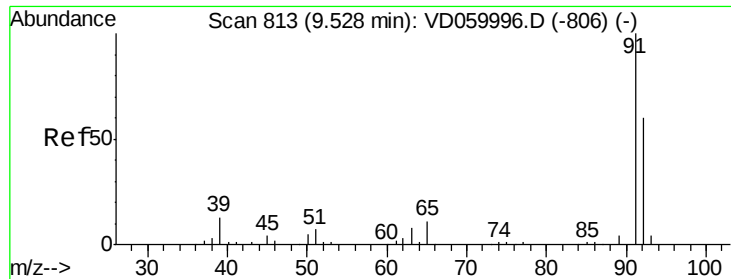
1000

0

9.40 9.45 9.50 9.55

Time-->





#52

Toluene

Concen: 1.01 ug/l

RT: 9.56 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060042.D

Acq: 19 Sep 2018 15:46

Instrument :

MSVOA_D

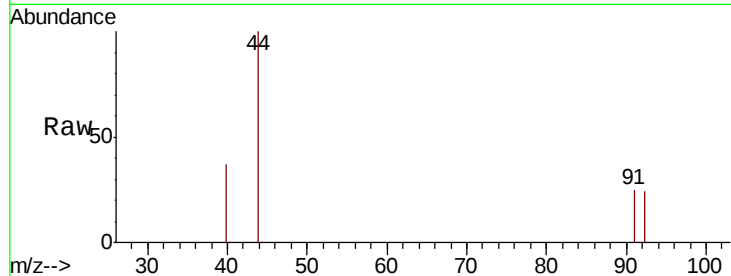
ClientSampled :

Tot Ion: 92 Resp: 184

Ion Ratio Lower Upper

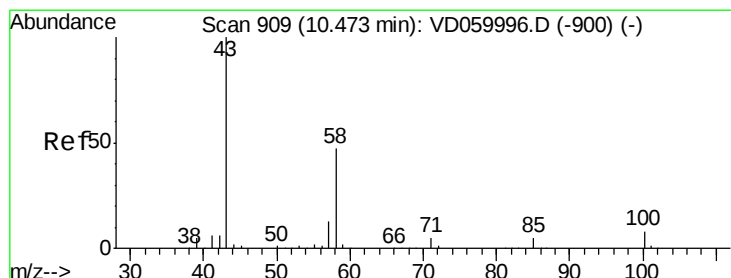
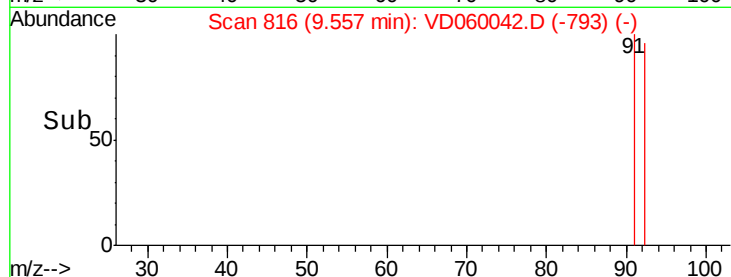
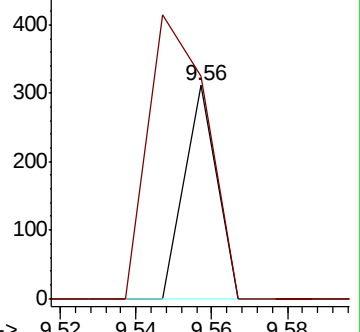
92 100

91 104.2 132.3 198.5#



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#59

2-Hexanone

Concen: 4.11 ug/l

RT: 10.50 min Scan# 912

Delta R.T. 0.03 min

Lab File: VD060042.D

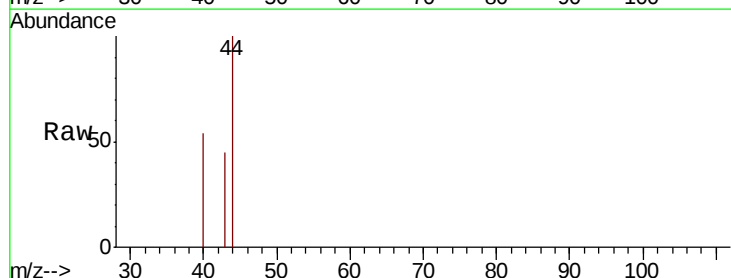
Acq: 19 Sep 2018 15:46

Tgt Ion: 43 Resp: 796

Ion Ratio Lower Upper

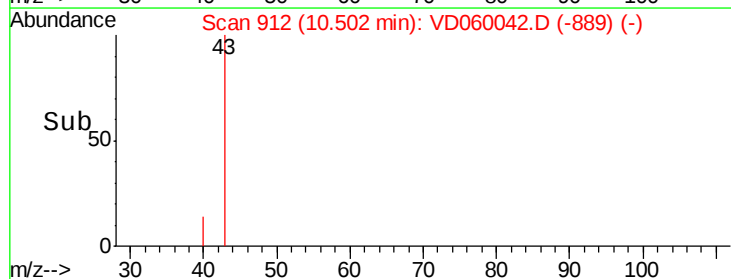
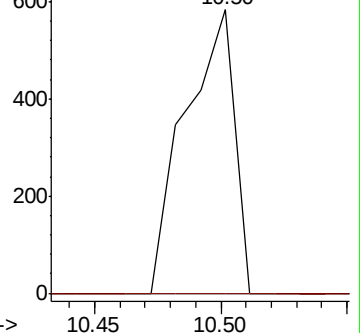
43 100

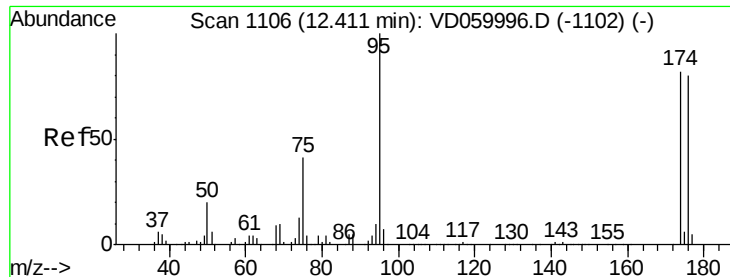
58 0.0 23.4 70.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VD060042.D

Acq: 19 Sep 2018 15:46

Instrument :

MSVOA_D

ClientSampleId :

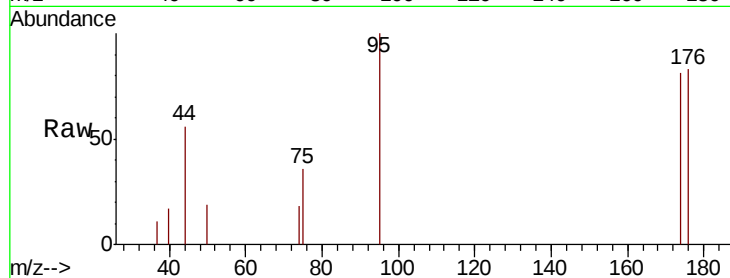
Tot Ion: 95 Resp: 3484

Ion Ratio Lower Upper

95 100

174 80.8 0.0 165.0

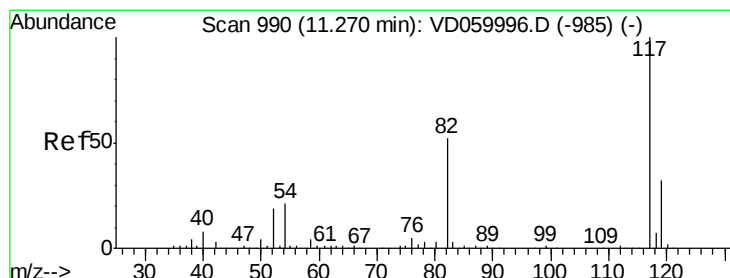
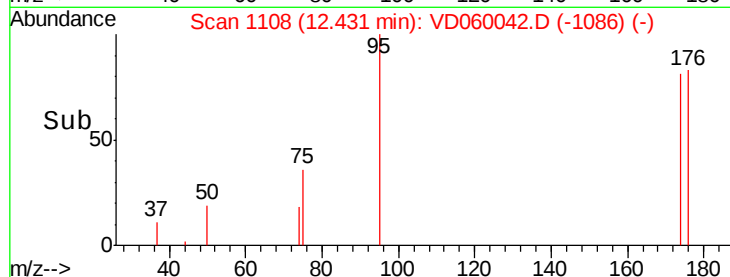
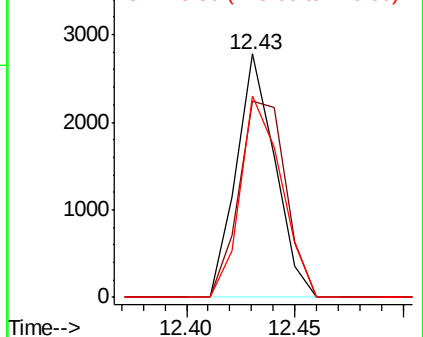
176 82.6 0.0 160.2



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: 50.00 ug/l

RT: 11.29 min Scan# 992

Delta R.T. 0.02 min

Lab File: VD060042.D

Acq: 19 Sep 2018 15:46

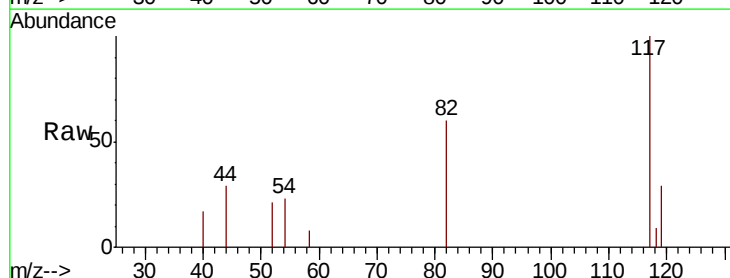
Tgt Ion: 117 Resp: 7945

Ion Ratio Lower Upper

117 100

82 59.7 41.7 62.5

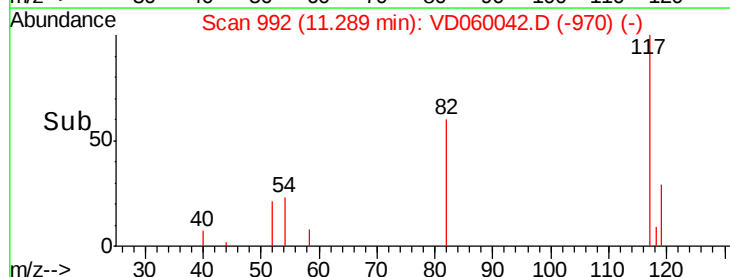
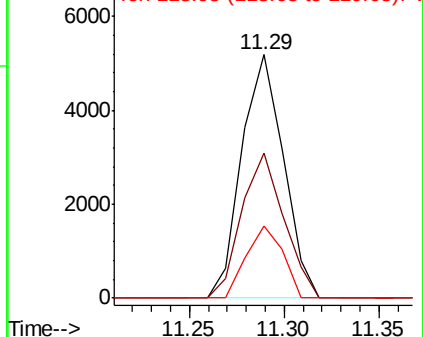
119 29.5 26.0 39.0

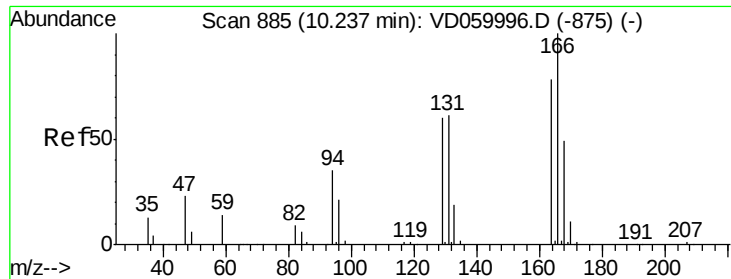


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

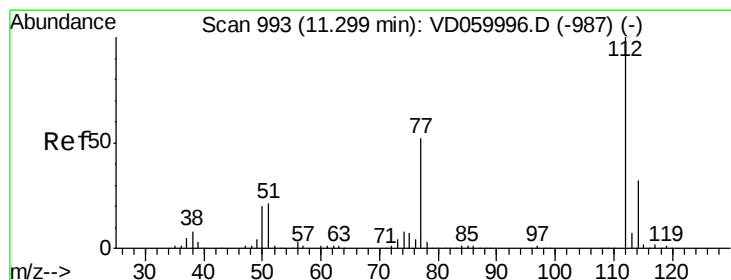
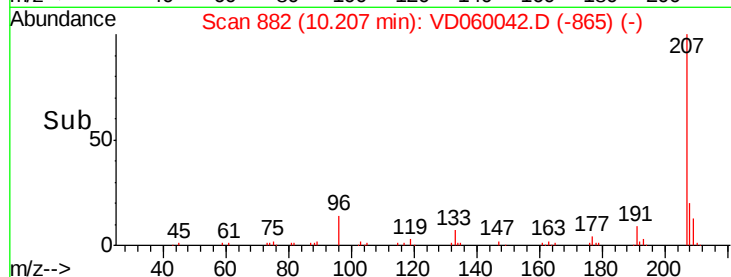
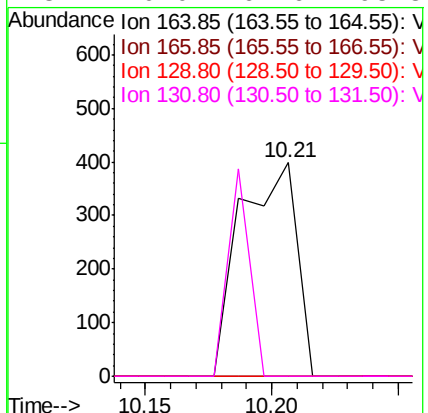
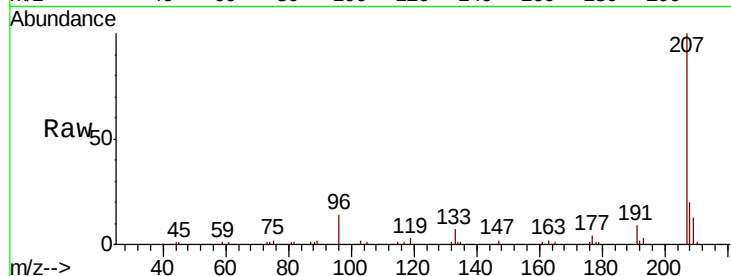




#64
Tetrachloroethene
Concen: 8.83 ug/l
RT: 10.21 min Scan# 882
Delta R.T. -0.03 min
Lab File: VD060042.D
Acq: 19 Sep 2018 15:46

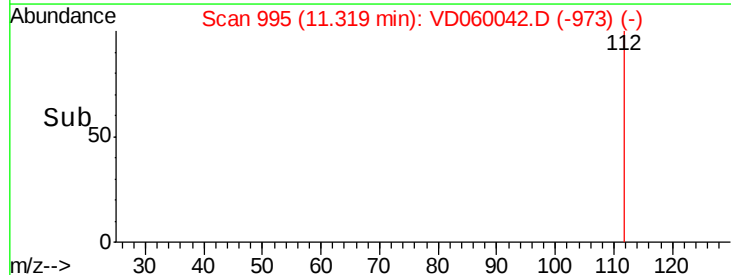
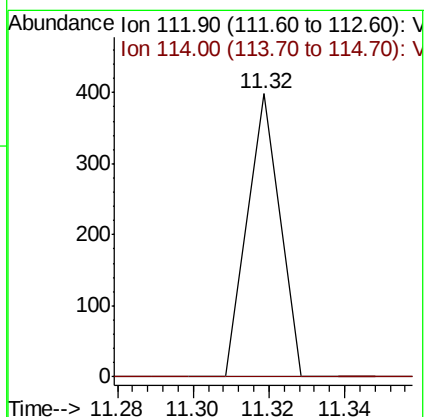
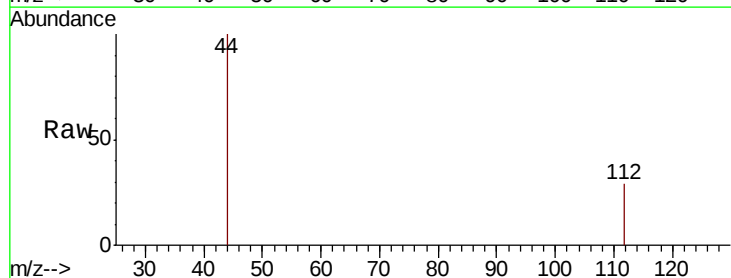
Instrument :
MSVOA_D
ClientSampleId :

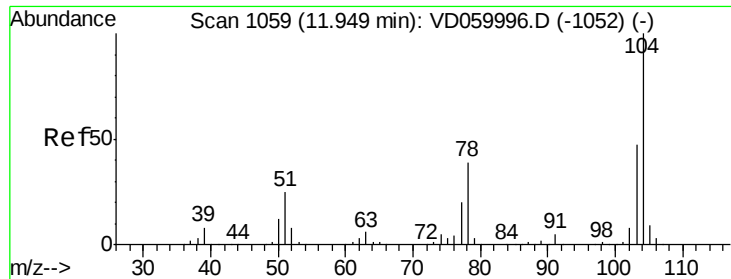
Tot Ion:164 Resp: 619
Ion Ratio Lower Upper
164 100
166 0.0 103.0 154.6#
129 0.0 61.9 92.9#
131 0.0 62.6 93.8#



#65
Chlorobenzene
Concen: 1.38 ug/l
RT: 11.32 min Scan# 995
Delta R.T. 0.02 min
Lab File: VD060042.D
Acq: 19 Sep 2018 15:46

Tgt Ion:112 Resp: 235
Ion Ratio Lower Upper
112 100
114 0.0 25.3 37.9#

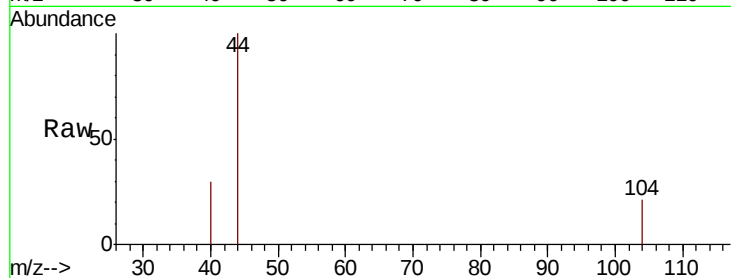




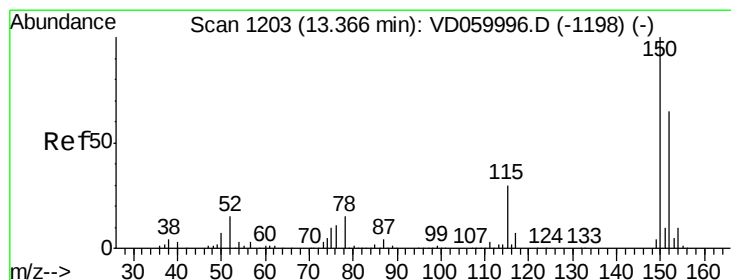
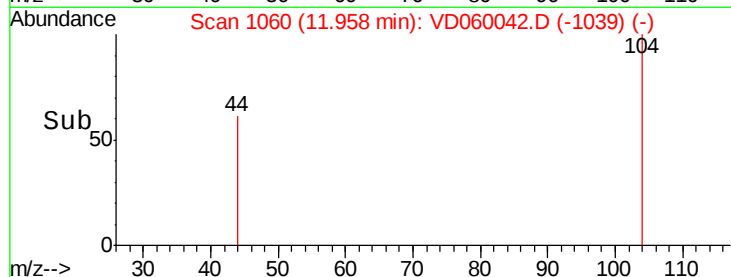
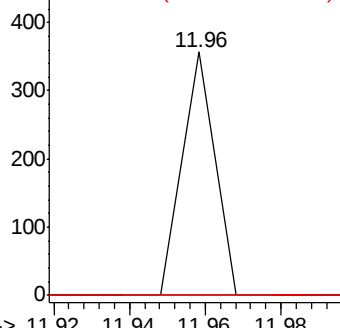
#70
Stvrene
Concen: 1.25 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060042.D
Acq: 19 Sep 2018 15:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:104 Resp: 211
Ion Ratio Lower Upper
104 100
78 0.0 31.0 46.4#
103 0.0 37.6 56.4#

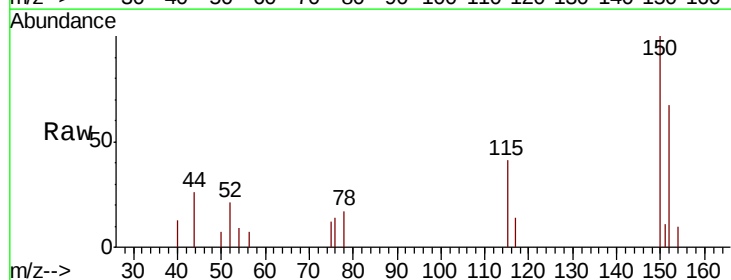


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

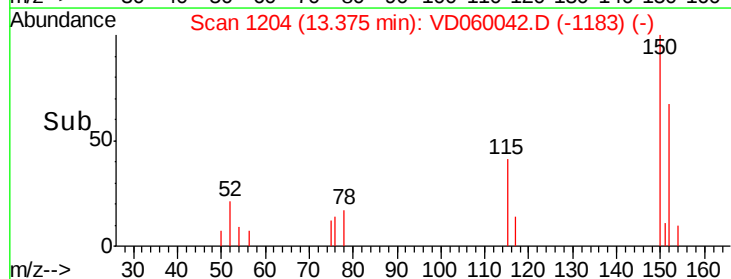
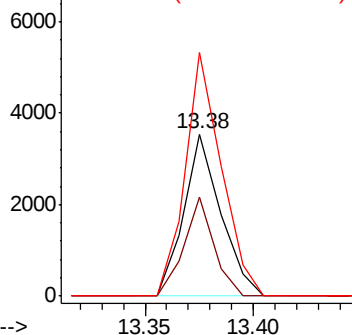


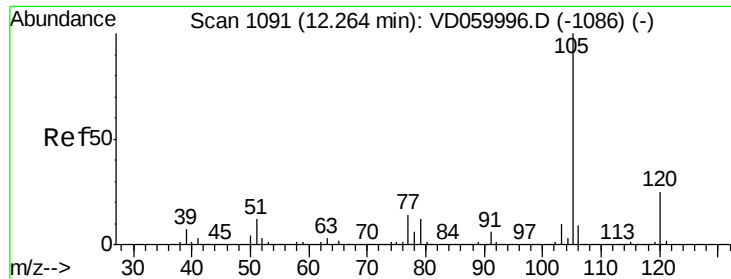
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060042.D
Acq: 19 Sep 2018 15:46

Tgt Ion:152 Resp: 4203
Ion Ratio Lower Upper
152 100
115 61.4 24.6 73.8
150 150.1 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





#73

Isopropylbenzene

Concen: 1.40 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD060042.D

Acq: 19 Sep 2018 15:46

Instrument :

MSVOA_D

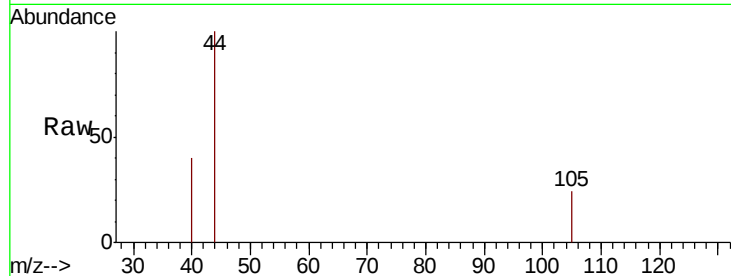
ClientSampleId :

Tot Ion:105 Resp: 386

Ion Ratio Lower Upper

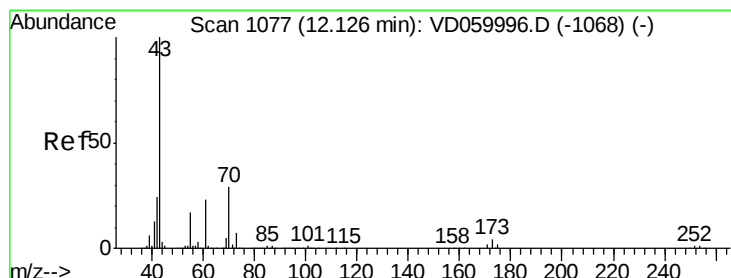
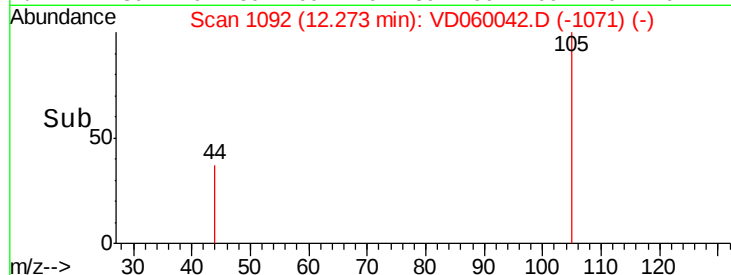
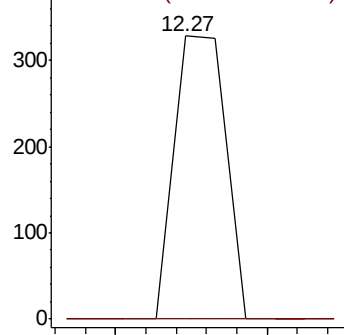
105 100

120 0.0 12.3 36.9#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 6.33 ug/l

RT: 12.08 min Scan# 1072

Delta R.T. -0.05 min

Lab File: VD060042.D

Acq: 19 Sep 2018 15:46

Tgt Ion: 43 Resp: 691

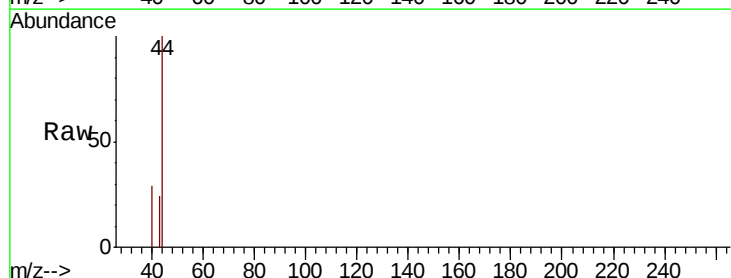
Ion Ratio Lower Upper

43 100

70 0.0 22.9 34.3#

55 0.0 14.0 21.0#

61 0.0 18.7 28.1#

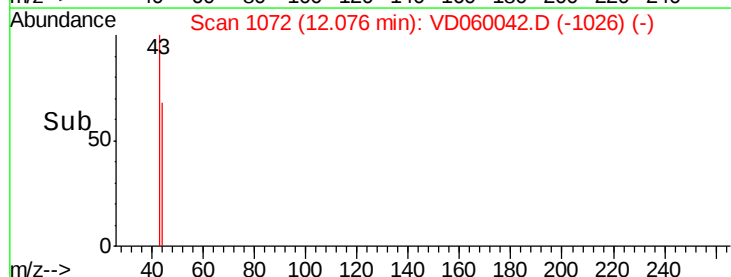
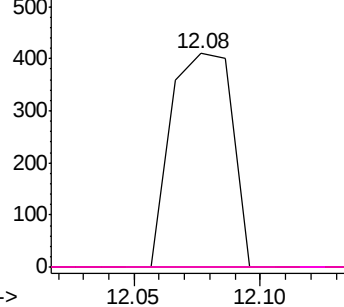


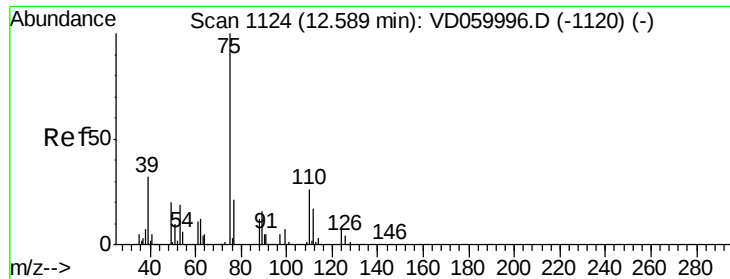
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#76

1,2,3-Trichloropropane

Concen: 7.95 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VD060042.D

Acq: 19 Sep 2018 15:46

Instrument :

MSVOA_D

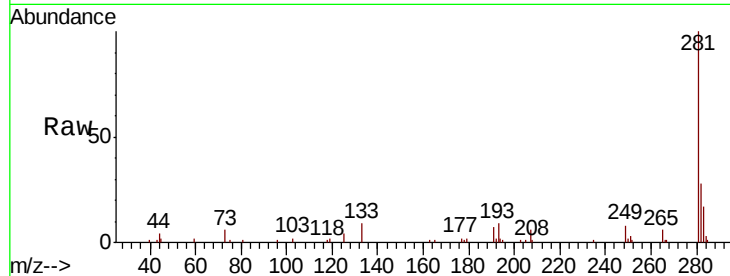
ClientSampled :

Tot Ion: 75 Resp: 510

Ion Ratio Lower Upper

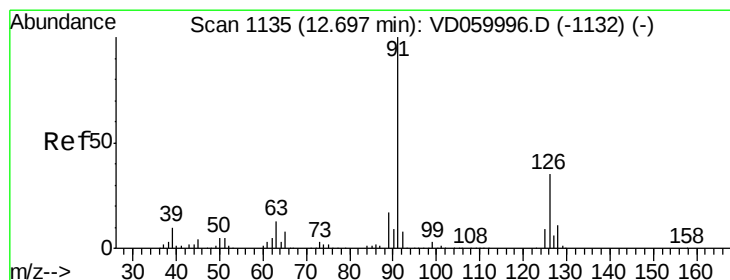
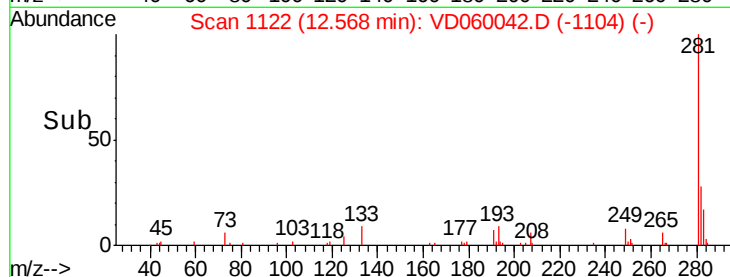
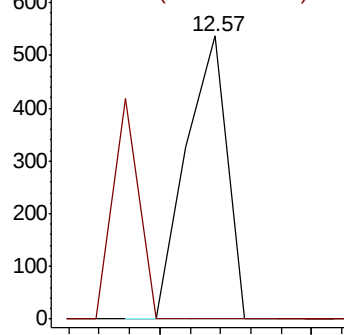
75 100

77 0.0 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#79

2-Chlorotoluene

Concen: 2.20 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060042.D

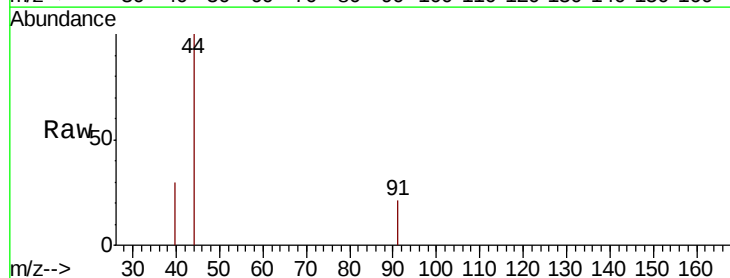
Acq: 19 Sep 2018 15:46

Tgt Ion: 91 Resp: 431

Ion Ratio Lower Upper

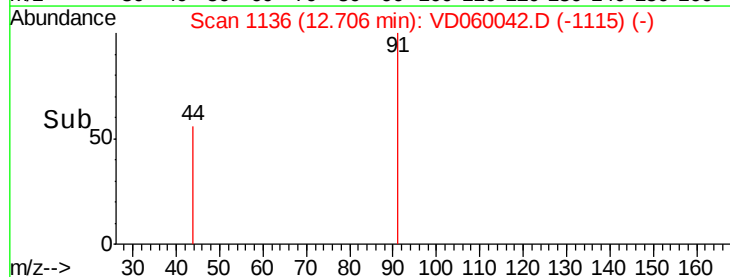
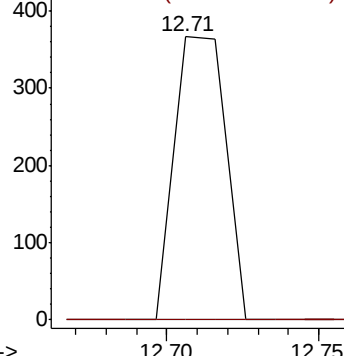
91 100

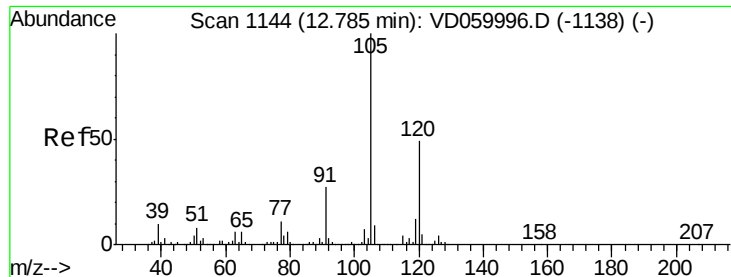
126 0.0 17.3 52.0#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): VDC

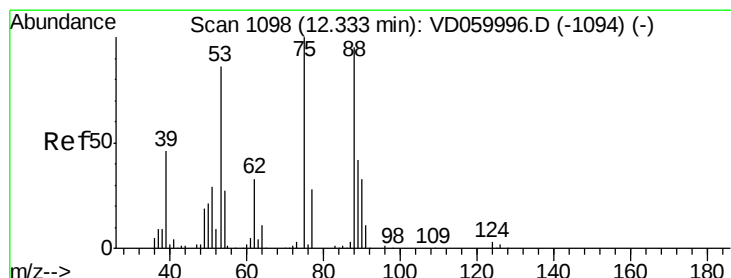
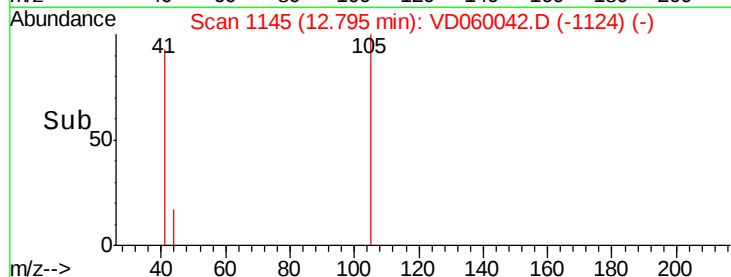
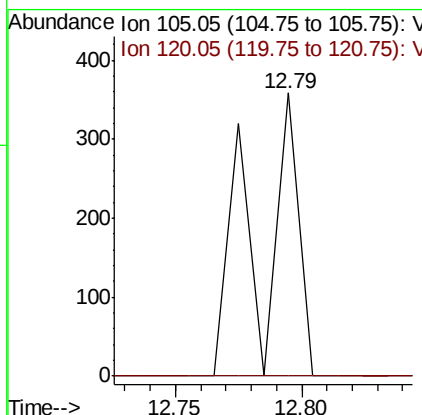
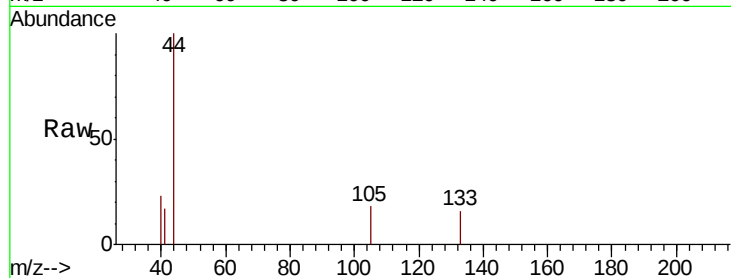




#80
 1,3,5-Trimethylbenzene
 Concen: 1.89 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VD060042.D
 Acq: 19 Sep 2018 15:46

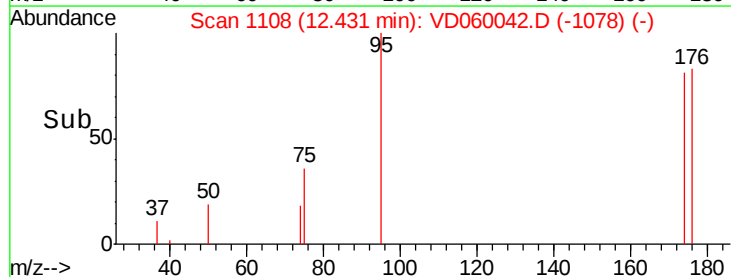
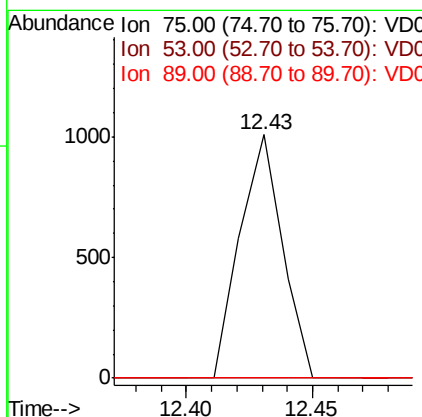
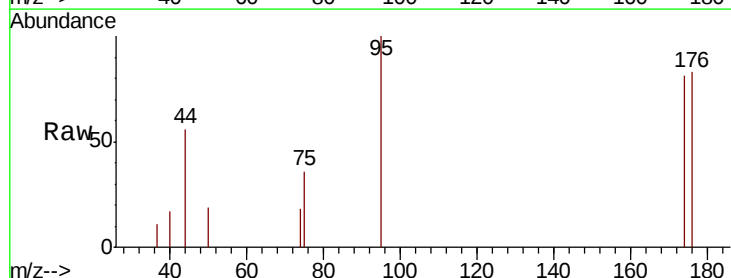
Instrument :
 MSVOA_D
 ClientSampled :

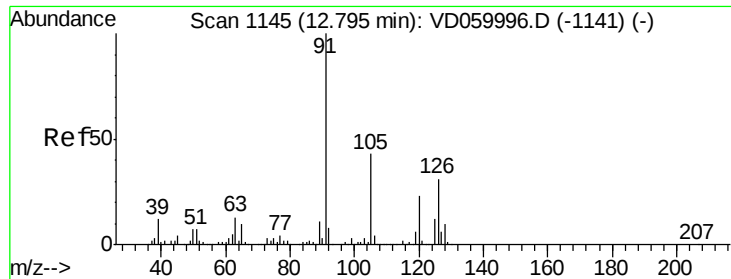
Tot Ion: 105 Resp: 400
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.4 73.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.00 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.10 min
 Lab File: VD060042.D
 Acq: 19 Sep 2018 15:46

Tgt Ion: 75 Resp: 1182
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.4 102.6#
 89 0.0 33.8 50.6#

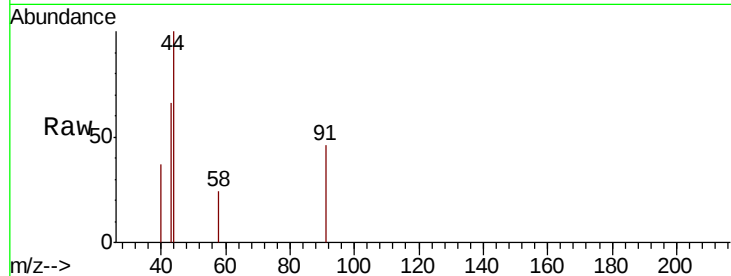




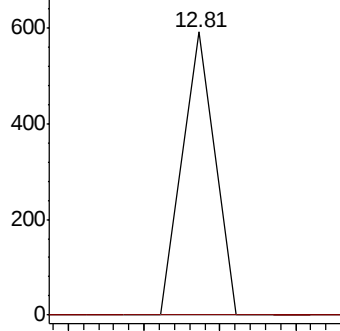
#82
4-Chlorotoluene
Concen: 1.63 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. 0.02 min
Lab File: VD060042.D
Acq: 19 Sep 2018 15:46

Instrument :
MSVOA_D
ClientSampleId :

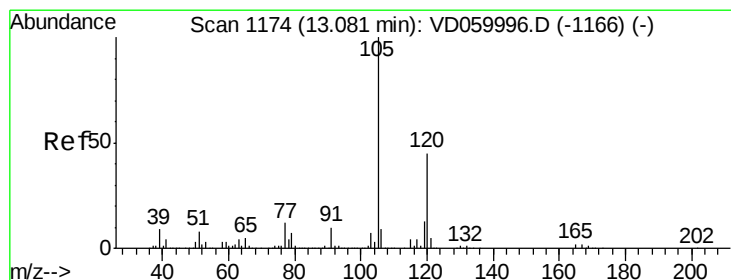
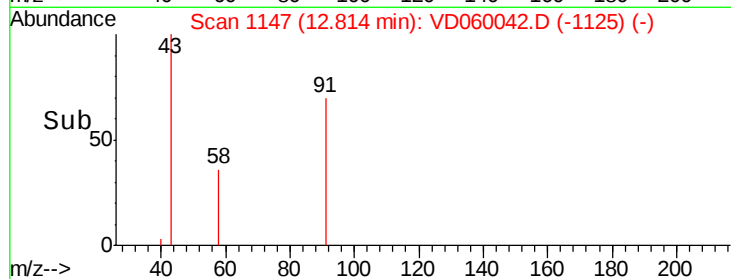
Tot Ion: 91 Resp: 350
Ion Ratio Lower Upper
91 100
126 0.0 15.4 46.1#



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

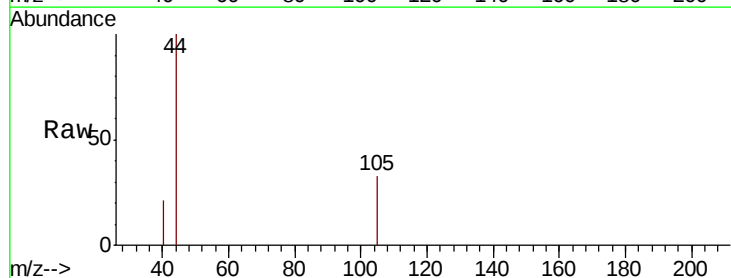


Time--> 12.78 12.80 12.82 12.84

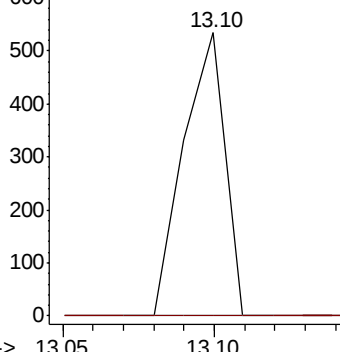


#84
1,2,4-Trimethylbenzene
Concen: 2.27 ug/l
RT: 13.10 min Scan# 1176
Delta R.T. 0.02 min
Lab File: VD060042.D
Acq: 19 Sep 2018 15:46

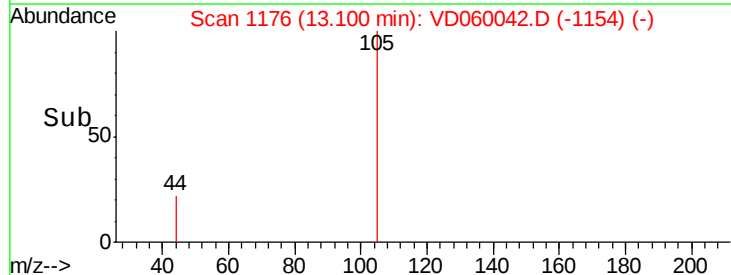
Tgt Ion: 105 Resp: 512
Ion Ratio Lower Upper
105 100
120 0.0 22.4 67.0#

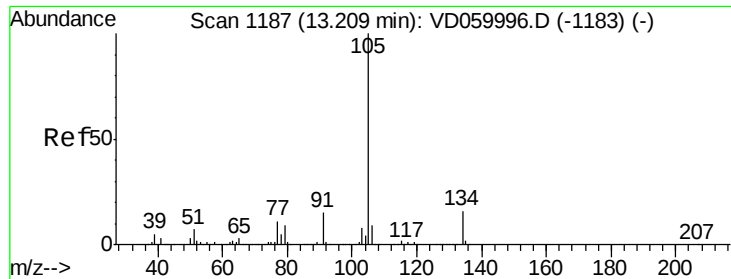


Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V



Time--> 13.05 13.10





#85

sec-Butylbenzene

Concen: 1.76 ug/l

RT: 13.10 min Scan# 1176

Delta R.T. -0.11 min

Lab File: VD060042.D

Acq: 19 Sep 2018 15:46

Instrument :

MSVOA_D

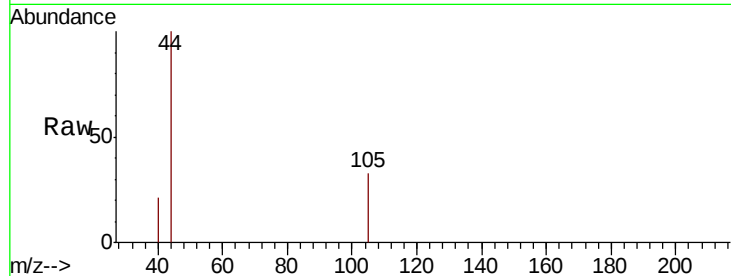
ClientSampleId :

Tot Ion:105 Resp: 512

Ion Ratio Lower Upper

105 100

134 0.0 8.2 24.6#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

13.10

600

500

400

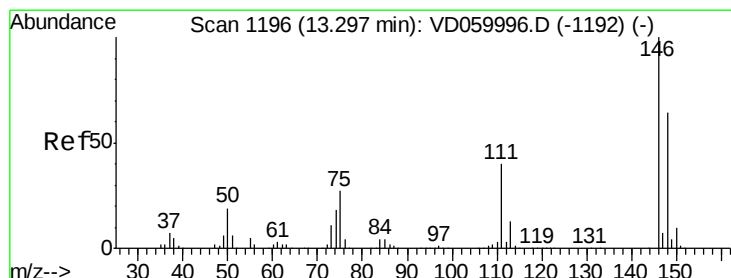
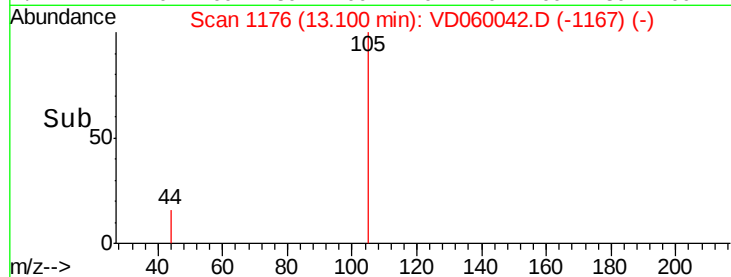
300

200

100

0

Time--> 13.05 13.10



#87

1,3-Dichlorobenzene

Concen: 6.02 ug/l

RT: 13.39 min Scan# 1206

Delta R.T. 0.10 min

Lab File: VD060042.D

Acq: 19 Sep 2018 15:46

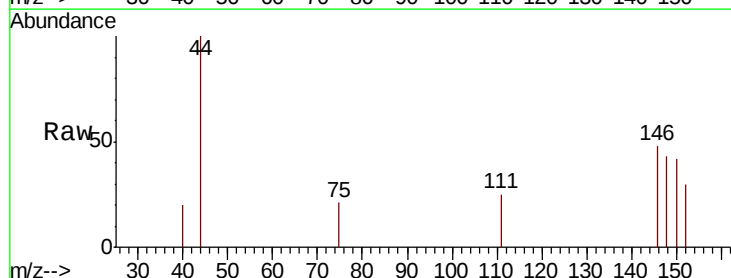
Tgt Ion:146 Resp: 831

Ion Ratio Lower Upper

146 100

111 51.5 20.2 60.5

148 89.4 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

1000

800

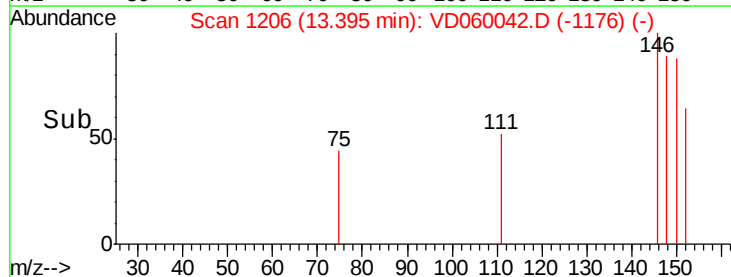
600

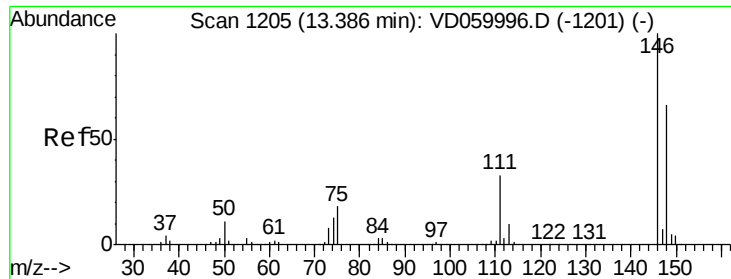
400

200

0

Time--> 13.35 13.40

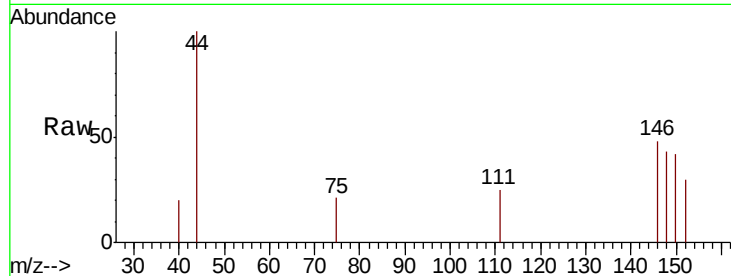




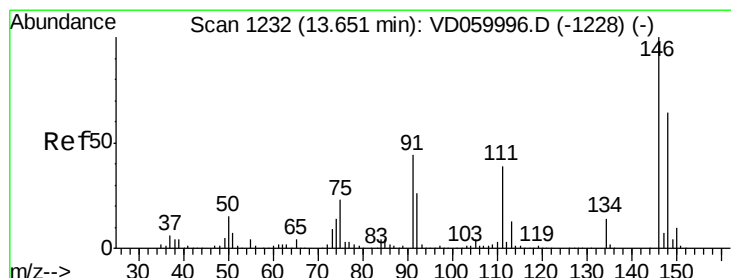
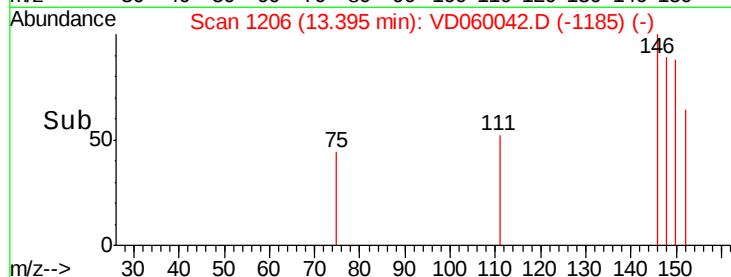
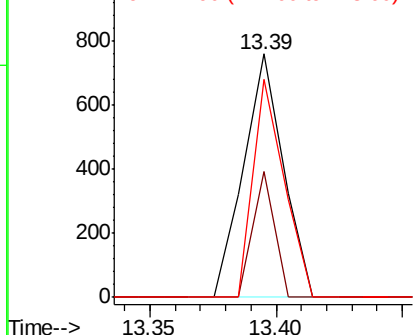
#88
 1,4-Dichlorobenzene
 Concen: 5.93 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060042.D
 Acq: 19 Sep 2018 15:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 831
 Ion Ratio Lower Upper
 146 100
 111 51.5 16.7 50.0#
 148 89.4 32.9 98.6

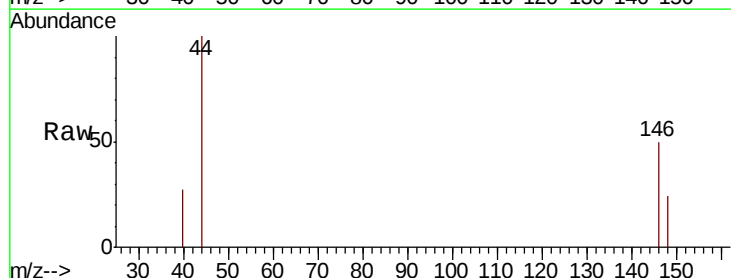


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

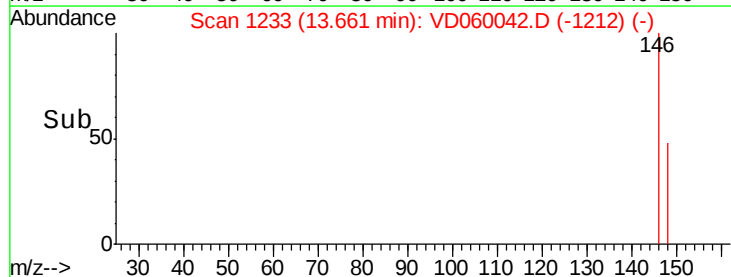
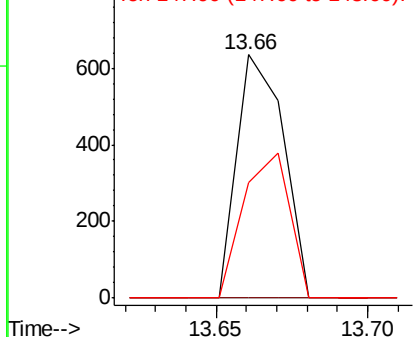


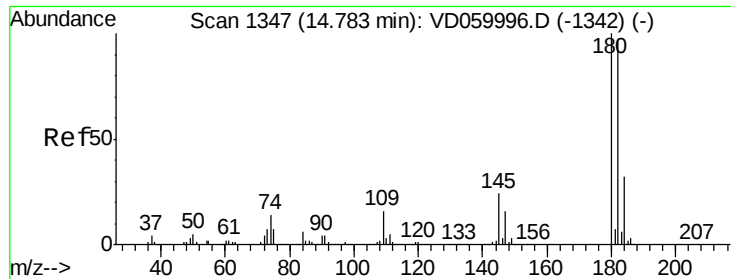
#91
 1,2-Dichlorobenzene
 Concen: 3.84 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060042.D
 Acq: 19 Sep 2018 15:46

Tgt Ion:146 Resp: 680
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.6 58.7#
 148 47.6 31.9 95.7



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

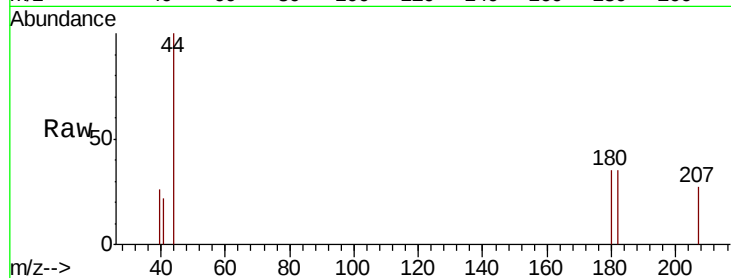




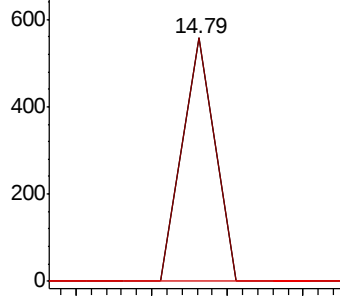
#93
 1,2,4-Trichlorobenzene
 Concen: 3.34 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060042.D
 Acq: 19 Sep 2018 15:46

Instrument :
 MSVOA_D
 ClientSampleId :

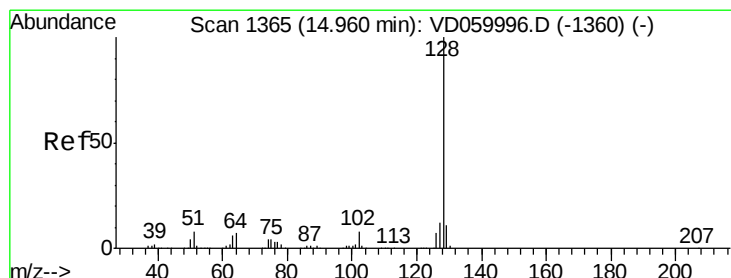
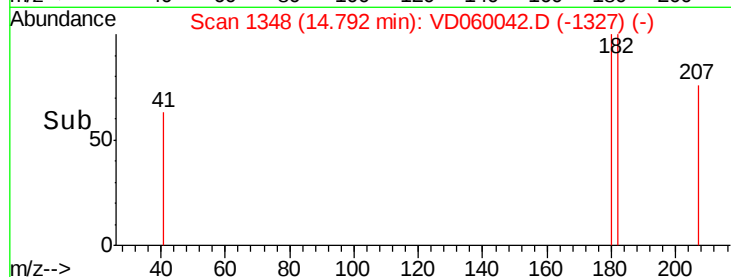
Tot Ion:180 Resp: 329
 Ion Ratio Lower Upper
 180 100
 182 99.8 48.5 145.6
 145 0.0 11.9 35.7#



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

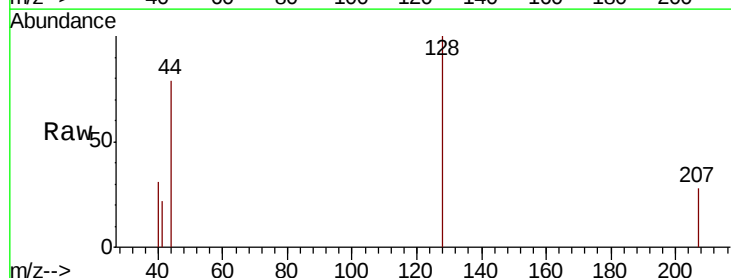


Time-->

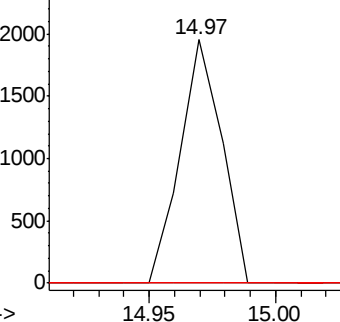


#95
 Naphthalene
 Concen: 14.75 ug/l
 RT: 14.97 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VD060042.D
 Acq: 19 Sep 2018 15:46

Tgt Ion:128 Resp: 2241
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.7 14.5#
 129 0.0 8.9 13.3#



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



Time-->

