

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110718\
 Data File : VD060301.D
 Acq On : 7 Nov 2018 15:18
 Operator : JC/SY
 Sample : J5827-31
 Misc : 5.19g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 08 08:16:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1470358	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	2102413	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1385731	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	520544	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	543324	51.61	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	103.22%	
35) Dibromofluoromethane	6.32	113	764963	48.79	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	97.58%	
50) Toluene-d8	9.46	98	2013701	43.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.78%	
62) 4-Bromofluorobenzene	12.43	95	569635	34.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	68.52%	

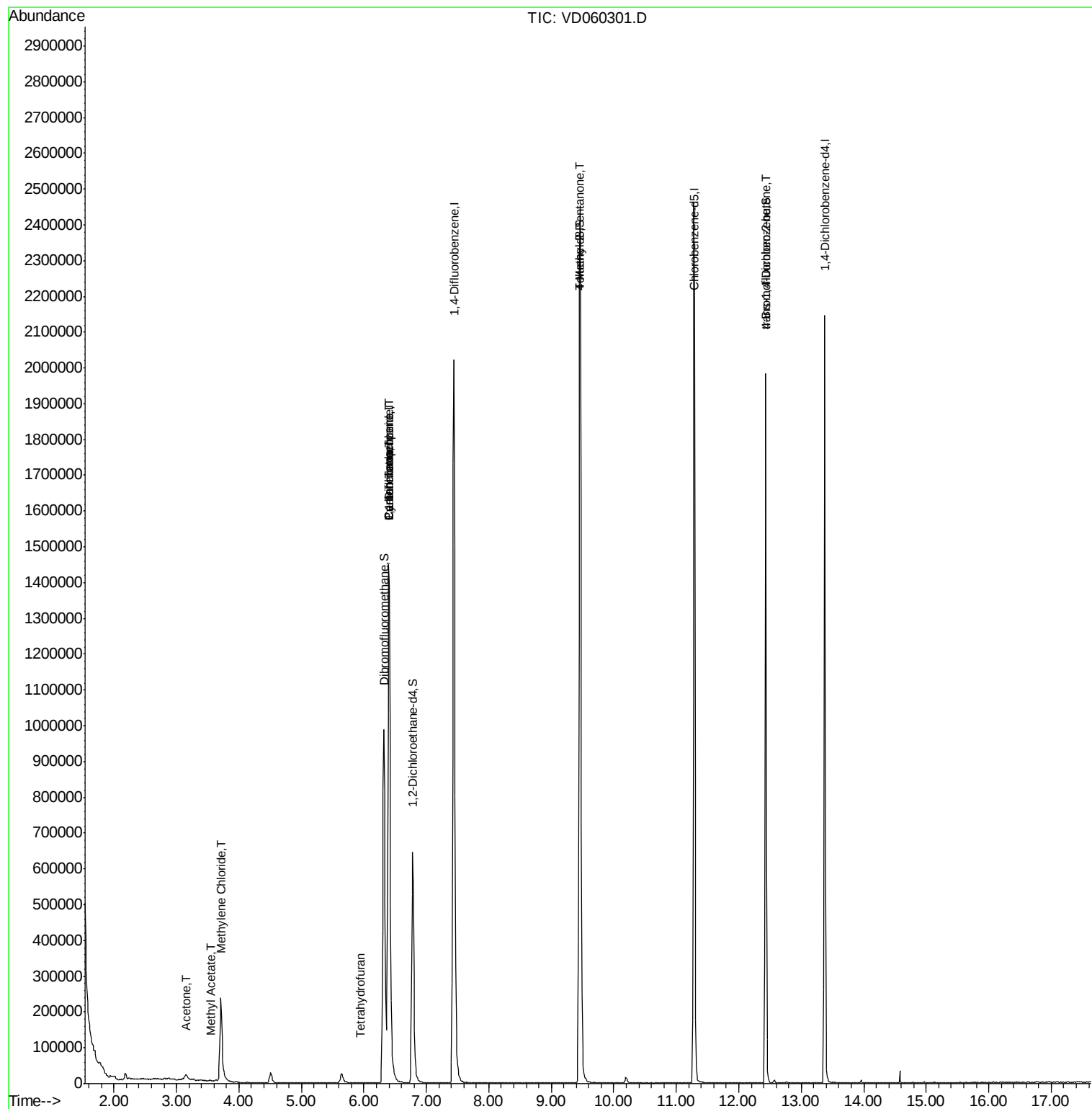
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	504	Below Cal	#	41
16) Acetone	3.15	43	31427	17.21	ug/l	98
18) Methyl Acetate	3.55	43	4330	1.11	ug/l	# 63
20) Methylene Chloride	3.71	84	139438	8.61	ug/l	98
29) Tetrahydrofuran	5.96	42	2188	1.09	ug/l	# 41
31) Cyclohexane	6.40	56	26483	1.05	ug/l	# 1
36) 1,1-Dichloropropene	6.40	75	101463	4.88	ug/l	# 46
38) Carbon Tetrachloride	6.40	117	113456	5.89	ug/l	# 16
51) 4-Methyl-2-Pentanone	9.46	43	11487	1.47	ug/l	# 1
81) trans-1,4-Dichloro-2-buten	12.43	75	228559	128.93	ug/l	# 15

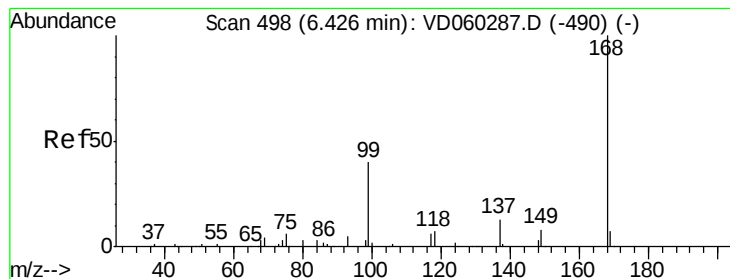
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060301.D

Acq: 7 Nov 2018 15:18

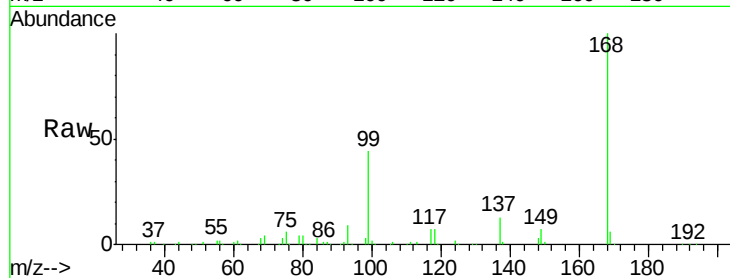
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1470358

Ion Ratio Lower Upper

168 100

99 44.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60):

Ion 98.95 (98.65 to 99.65): VD

6.41

500000

400000

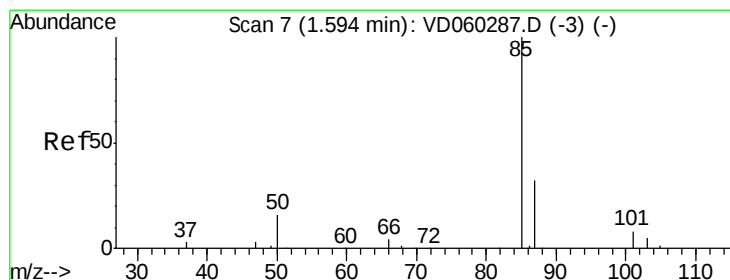
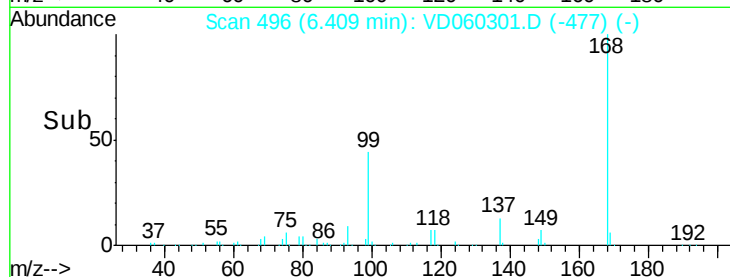
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 5

Delta R.T. -0.02 min

Lab File: VD060301.D

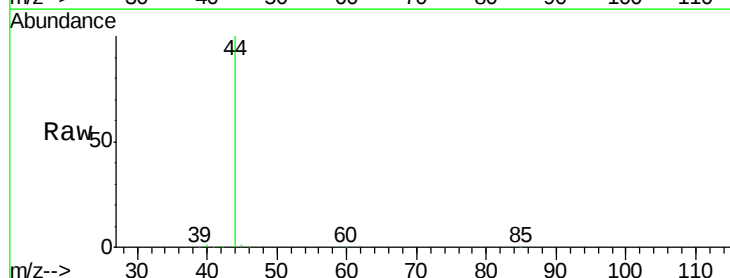
Acq: 7 Nov 2018 15:18

Tgt Ion: 85 Resp: 504

Ion Ratio Lower Upper

85 100

87 0.0 16.8 50.4#



Abundance Ion 84.95 (84.65 to 85.65): VD

Ion 86.90 (86.60 to 87.60): VD

1.58

500

400

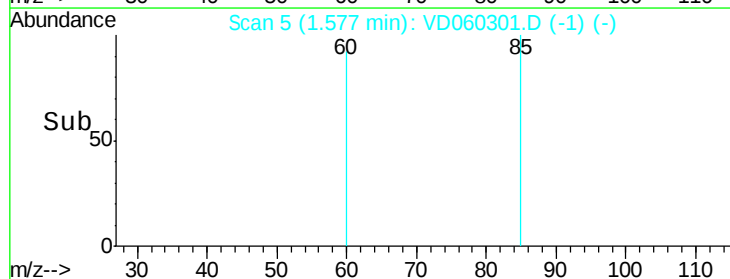
300

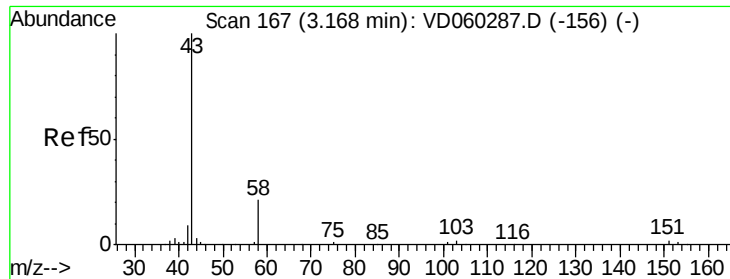
200

100

0

Time-->





#16

Acetone

Concen: 17.21 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060301.D

Acq: 7 Nov 2018 15:18

Instrument :

MSVOA_D

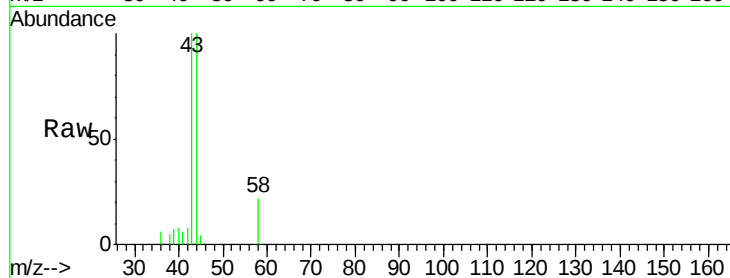
ClientSampleId :

Tot Ion: 43 Resp: 31427

Ion Ratio Lower Upper

43 100

58 22.2 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 57.95 (57.65 to 58.65): VD

3.15

10000

8000

6000

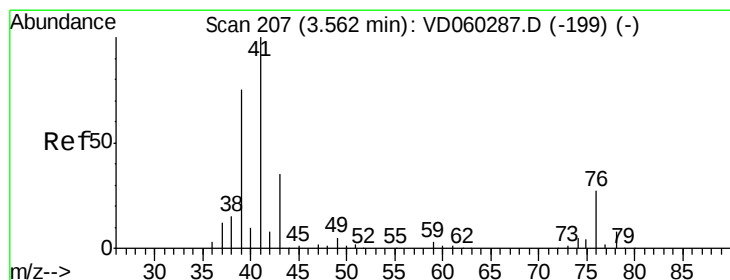
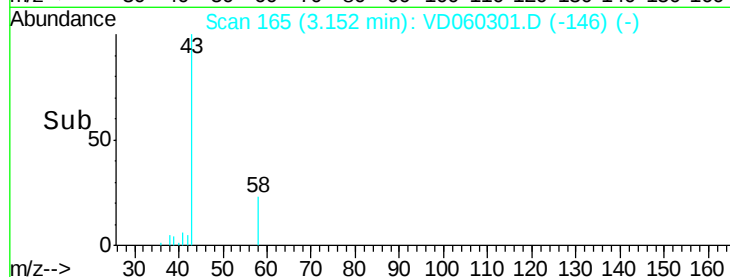
4000

2000

0

Time-->

3.00 3.10 3.20 3.30



#18

Methyl Acetate

Concen: 1.11 ug/l

RT: 3.55 min Scan# 205

Delta R.T. -0.02 min

Lab File: VD060301.D

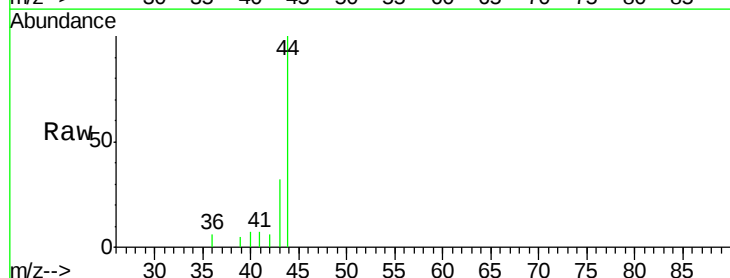
Acq: 7 Nov 2018 15:18

Tgt Ion: 43 Resp: 4330

Ion Ratio Lower Upper

43 100

74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 74.00 (73.70 to 74.70): VD

3.55

2000

1500

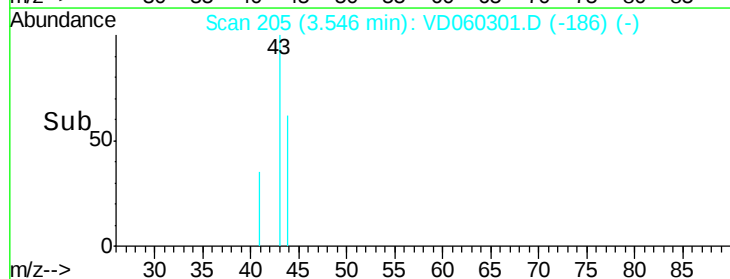
1000

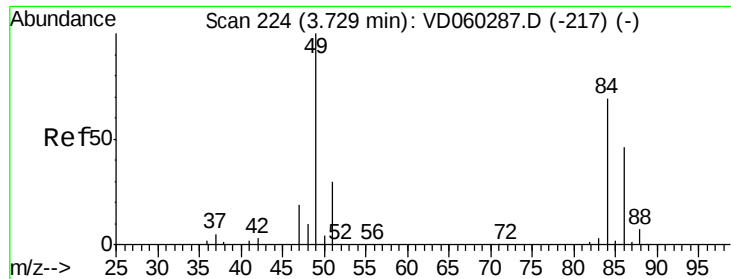
500

0

Time-->

3.50 3.55 3.60

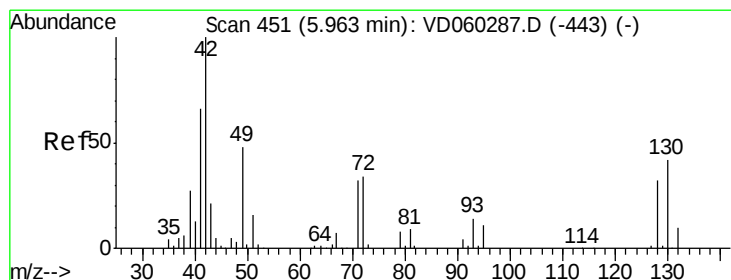
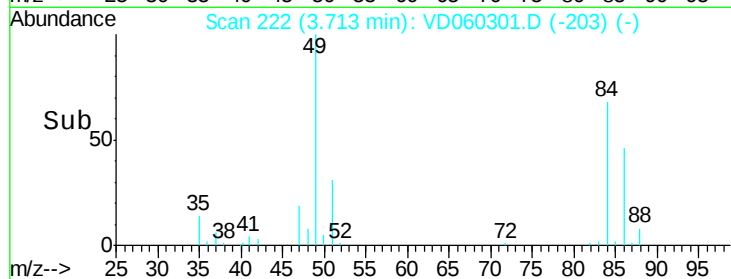
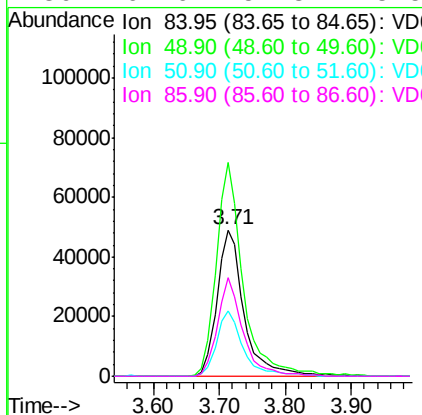
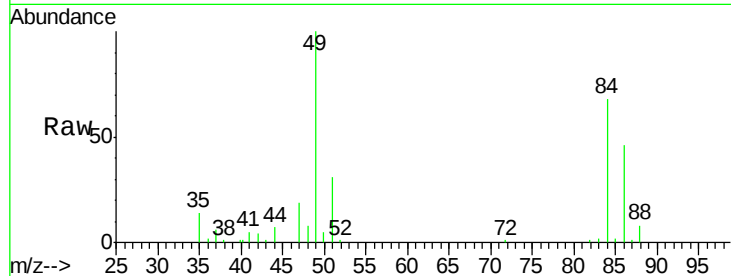




#20
Methvlene Chloride
Concen: 8.61 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD060301.D
Acq: 7 Nov 2018 15:18

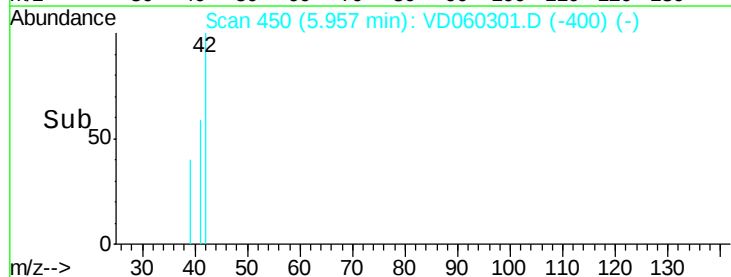
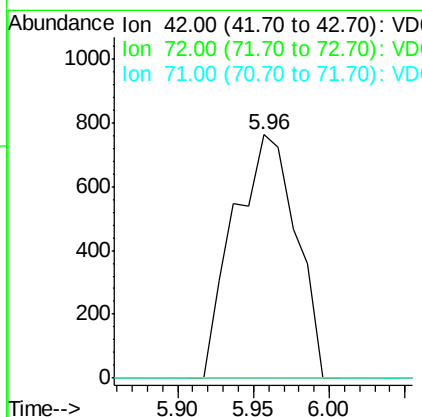
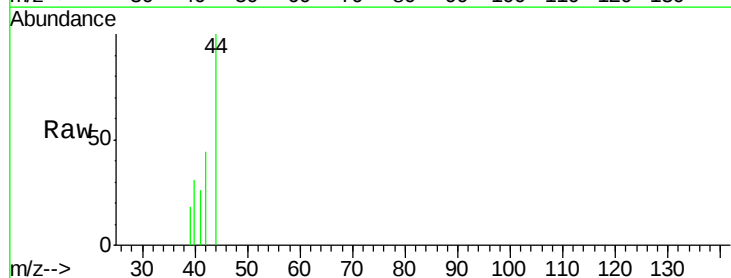
Instrument :
MSVOA_D
ClientSampleId :

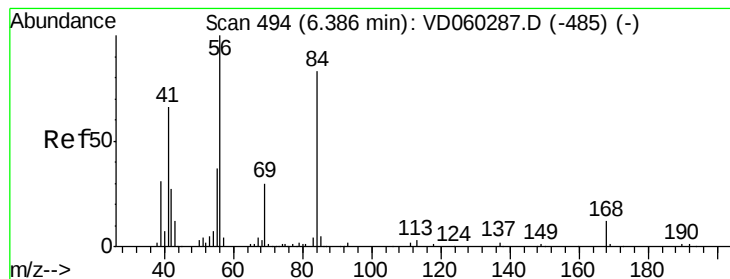
Tot Ion: 84 Resp: 139438
Ion Ratio Lower Upper
84 100
49 146.3 115.6 173.4
51 44.6 35.6 53.4
86 67.6 52.3 78.5



#29
Tetrahydrofuran
Concen: 1.09 ug/l
RT: 5.96 min Scan# 450
Delta R.T. -0.01 min
Lab File: VD060301.D
Acq: 7 Nov 2018 15:18

Tgt Ion: 42 Resp: 2188
Ion Ratio Lower Upper
42 100
72 0.0 27.6 41.4#
71 0.0 26.5 39.7#





#31

Cyclohexane

Concen: 1.05 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.01 min

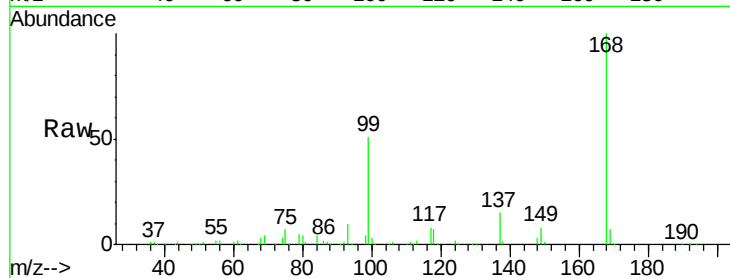
Lab File: VD060301.D

Acq: 7 Nov 2018 15:18

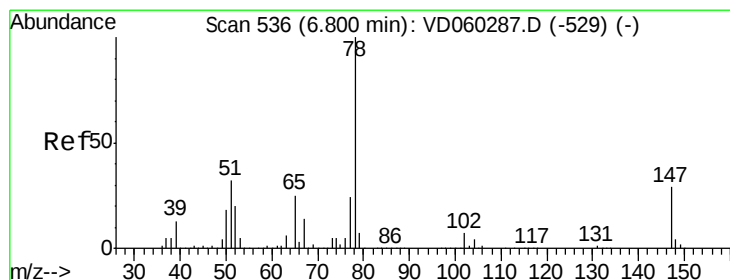
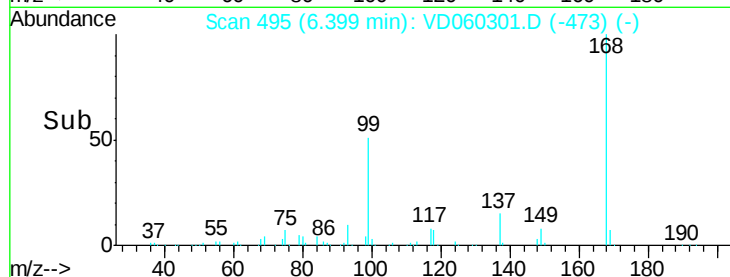
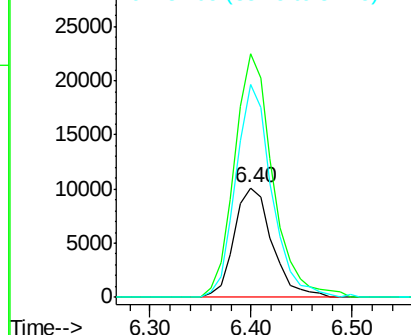
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 26483

Ion	Ratio	Lower	Upper
56	100		
69	222.3	22.2	33.2#
84	194.2	63.0	94.4#



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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.78 min Scan# 534

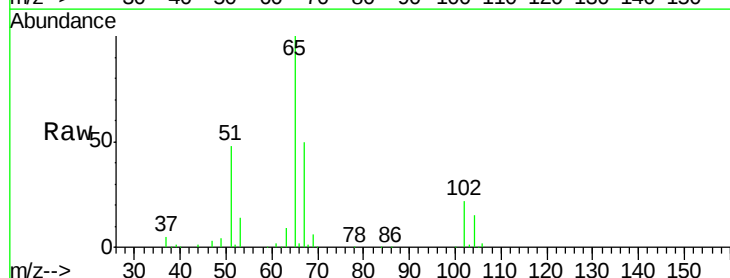
Delta R.T. -0.02 min

Lab File: VD060301.D

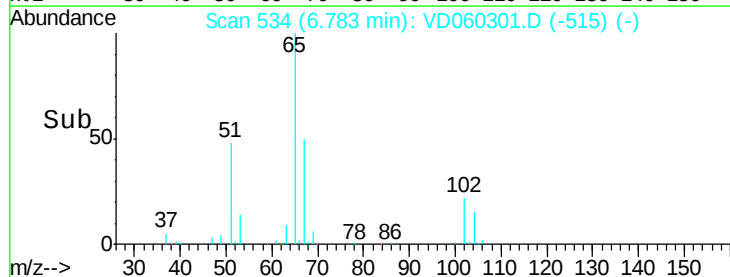
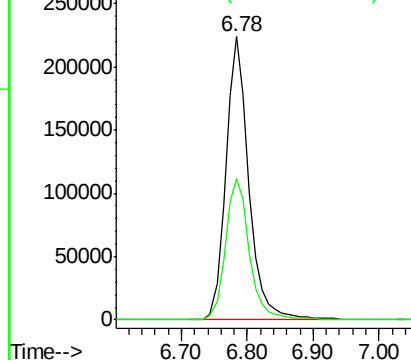
Acq: 7 Nov 2018 15:18

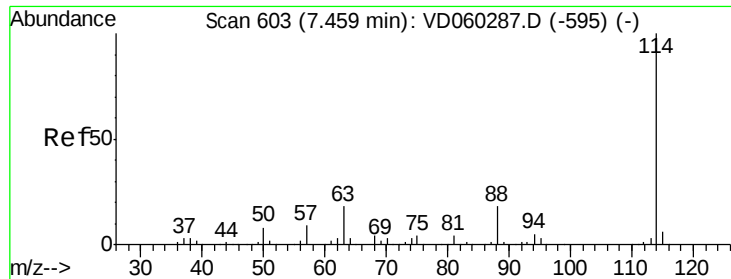
Tgt Ion: 65 Resp: 543324

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	109.8



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

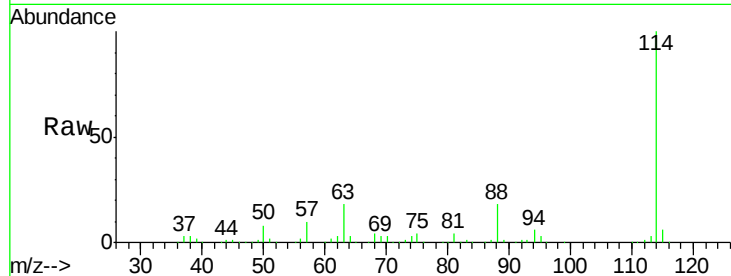




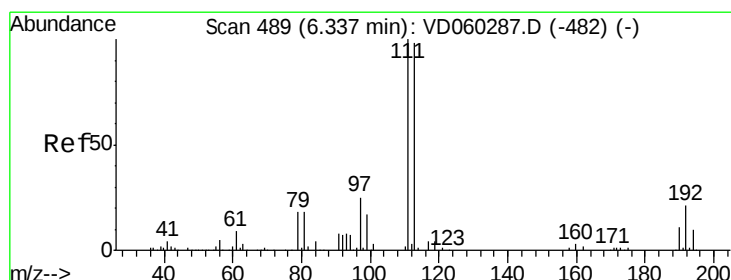
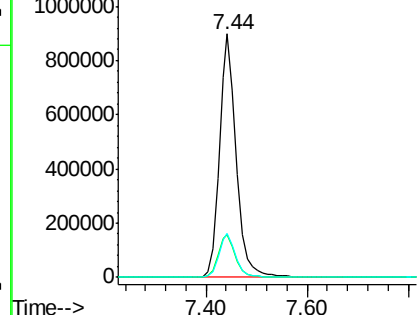
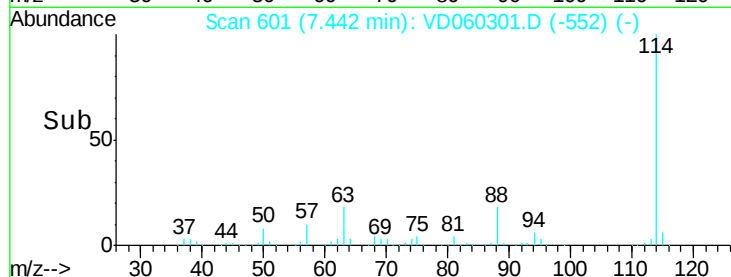
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: VD060301.D
 Acq: 7 Nov 2018 15:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 2102413
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.0
 88 18.1 0.0 35.4

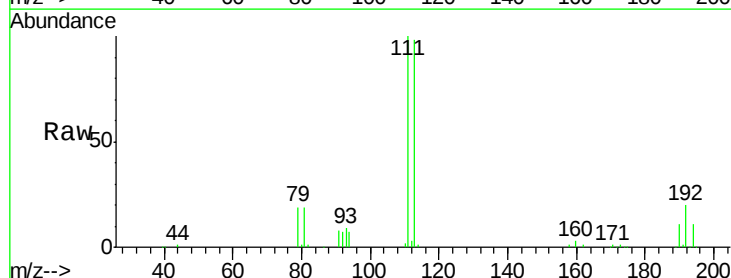


Abundance Ion 114.00 (113.70 to 114.70):
 Ion 62.95 (62.65 to 63.65): VD
 Ion 87.90 (87.60 to 88.60): VD

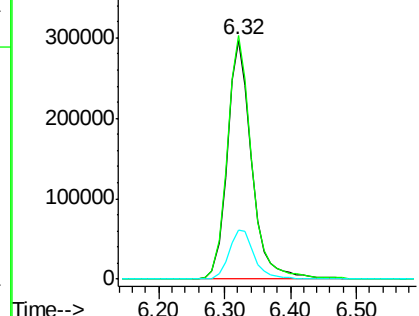
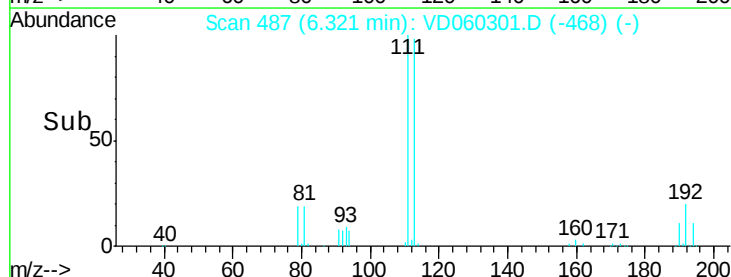


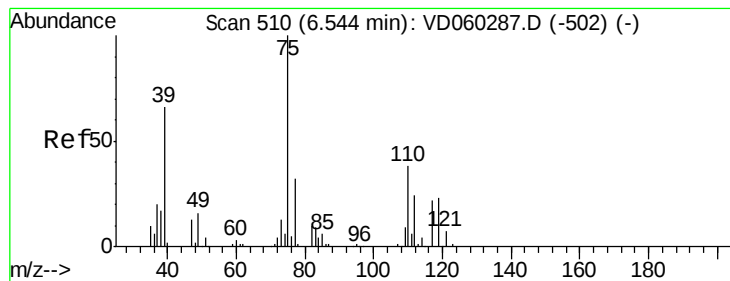
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. -0.02 min
 Lab File: VD060301.D
 Acq: 7 Nov 2018 15:18

Tgt Ion:113 Resp: 764963
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.6 122.4
 192 20.5 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60):
 Ion 110.90 (110.60 to 111.60):
 Ion 191.80 (191.50 to 192.50):





#36

1,1-Dichloropropene

Concen: 4.88 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.14 min

Lab File: VD060301.D

Acq: 7 Nov 2018 15:18

Instrument :

MSVOA_D

ClientSampleId :

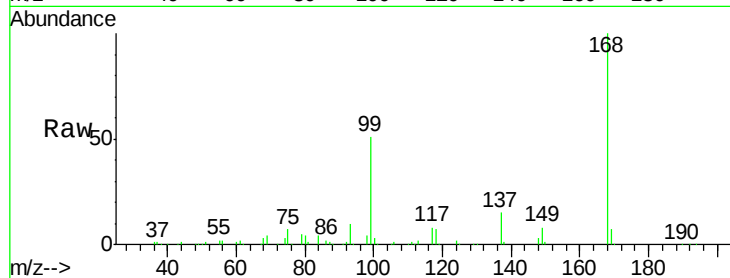
Tot Ion: 75 Resp: 101463

Ion Ratio Lower Upper

75 100

110 6.4 18.0 54.0#

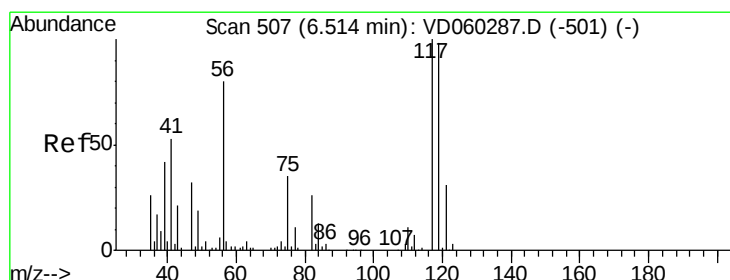
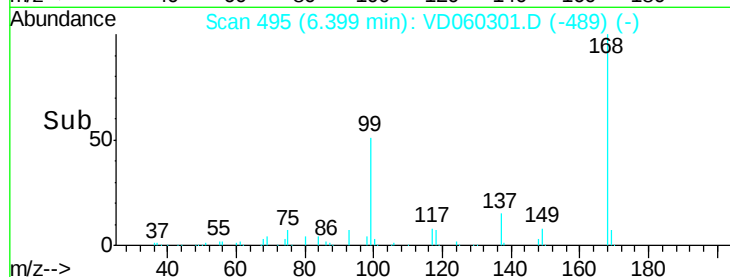
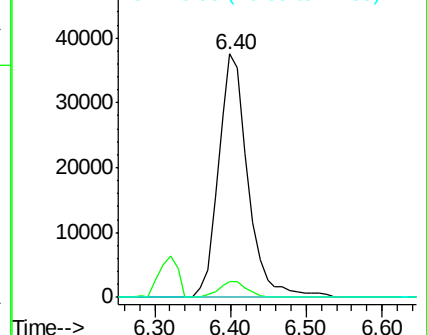
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VD

Ion 109.90 (109.60 to 110.60):

Ion 76.95 (76.65 to 77.65): VD



#38

Carbon Tetrachloride

Concen: 5.89 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.11 min

Lab File: VD060301.D

Acq: 7 Nov 2018 15:18

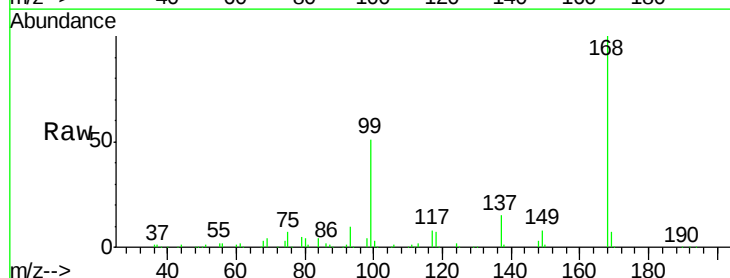
Tgt Ion: 117 Resp: 113456

Ion Ratio Lower Upper

117 100

119 5.2 76.6 115.0#

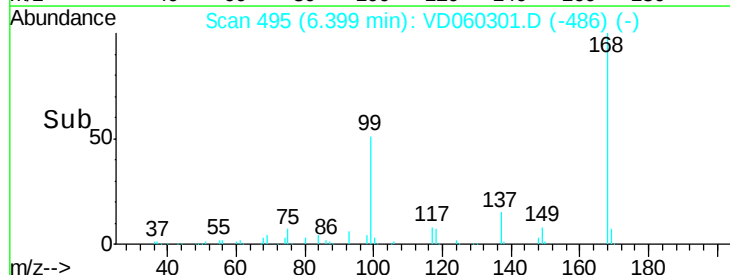
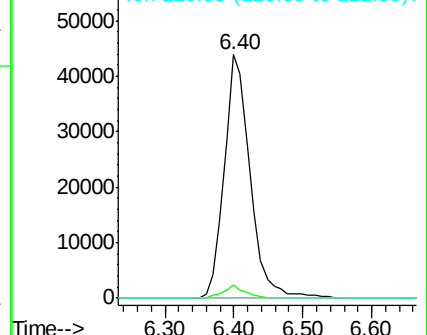
121 0.0 24.3 36.5#

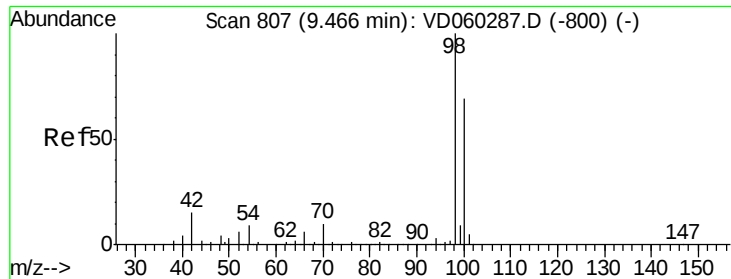


Abundance Ion 116.85 (116.55 to 117.55):

Ion 118.85 (118.55 to 119.55):

Ion 120.85 (120.55 to 121.55):





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.46 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060301.D

Acq: 7 Nov 2018 15:18

Instrument :

MSVOA_D

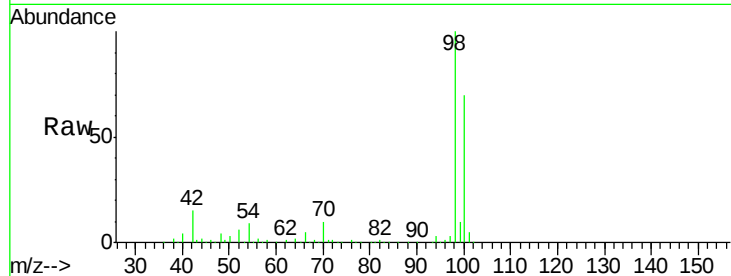
ClientSampleId :

Tot Ion: 98 Resp: 2013701

Ion Ratio Lower Upper

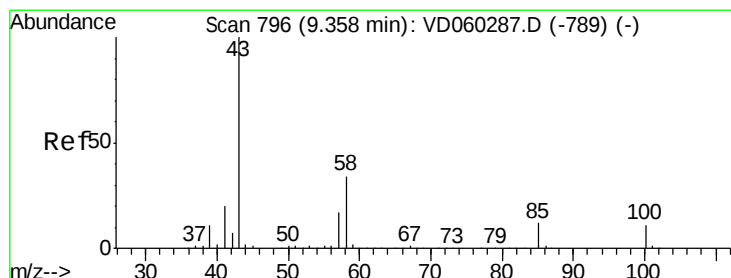
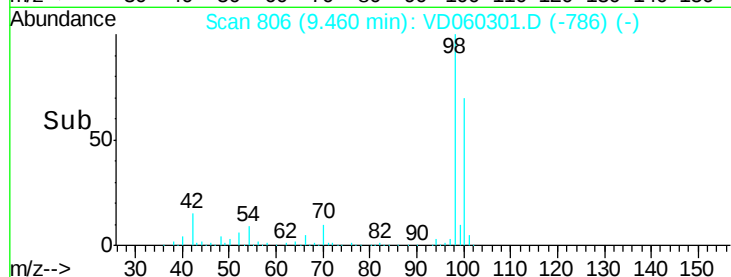
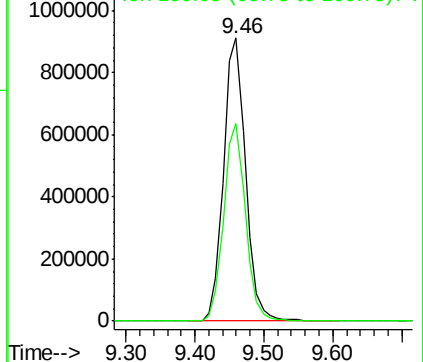
98 100

100 69.9 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VD

Ion 100.05 (99.75 to 100.75): V



#51

4-Methyl-2-Pentanone

Concen: 1.47 ug/l

RT: 9.46 min Scan# 806

Delta R.T. 0.10 min

Lab File: VD060301.D

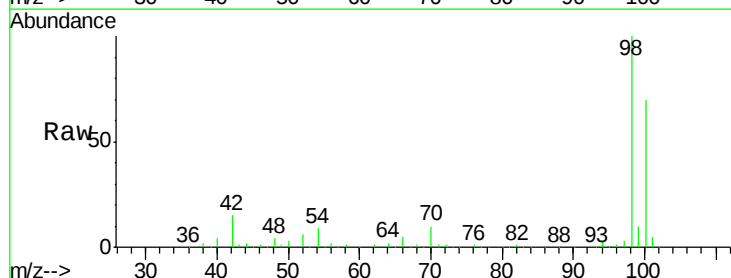
Acq: 7 Nov 2018 15:18

Tgt Ion: 43 Resp: 11487

Ion Ratio Lower Upper

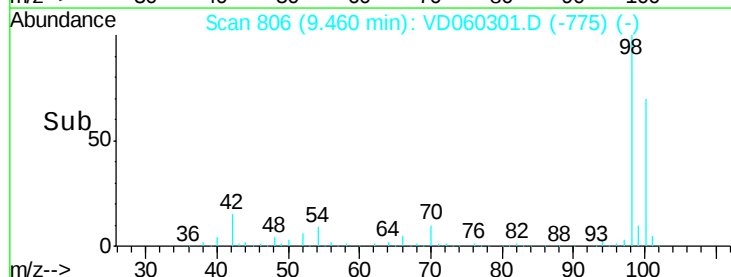
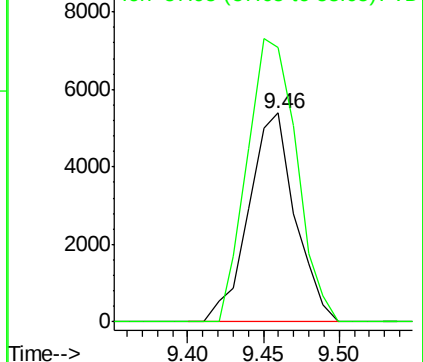
43 100

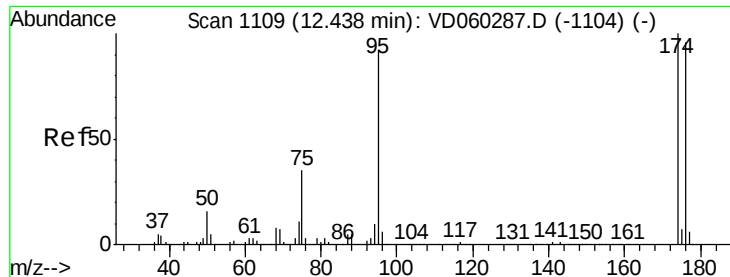
58 131.7 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 57.95 (57.65 to 58.65): VD

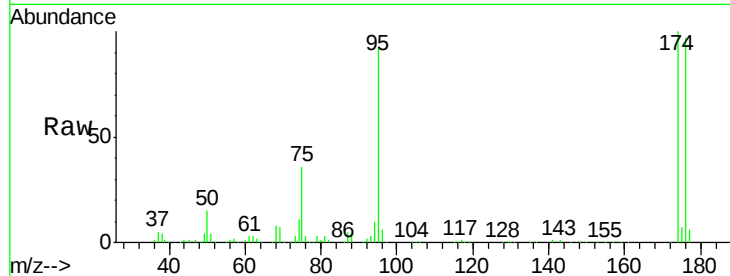




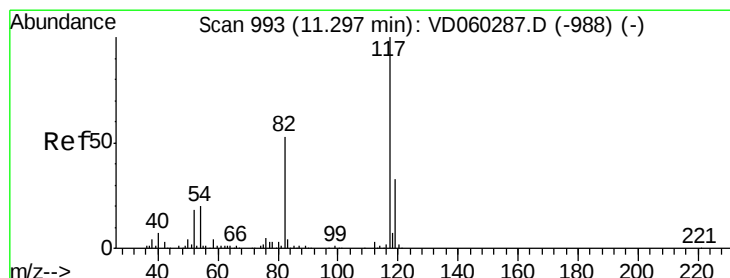
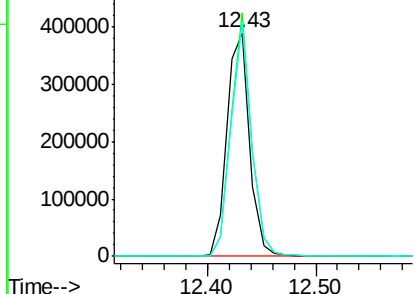
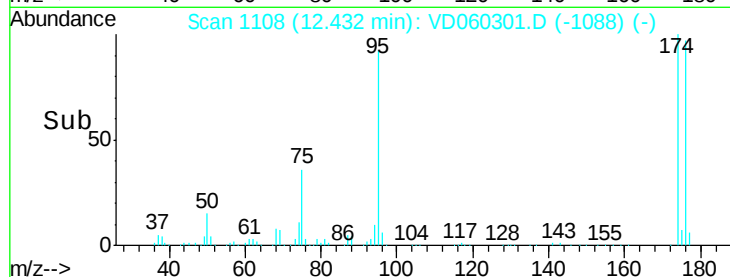
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060301.D
Acq: 7 Nov 2018 15:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 95 Resp: 569635
Ion Ratio Lower Upper
95 100
174 109.1 0.0 160.8
176 105.3 0.0 154.6

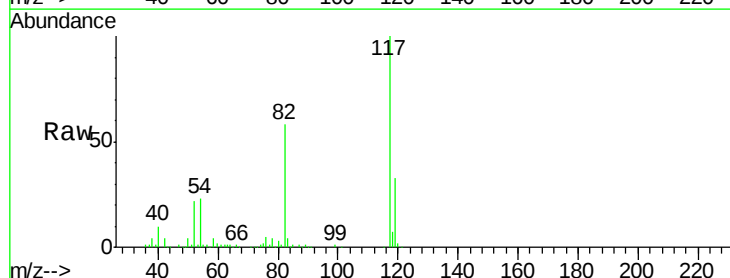


Abundance Ion 95.00 (94.70 to 95.70): VD
Ion 173.90 (173.60 to 174.60):
Ion 175.90 (175.60 to 176.60):

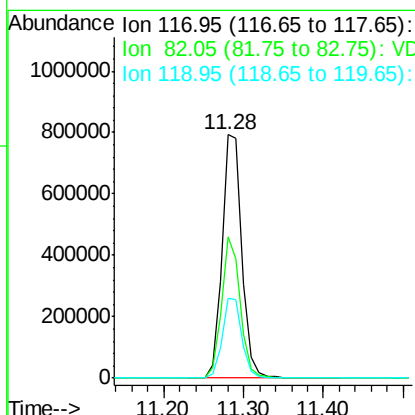
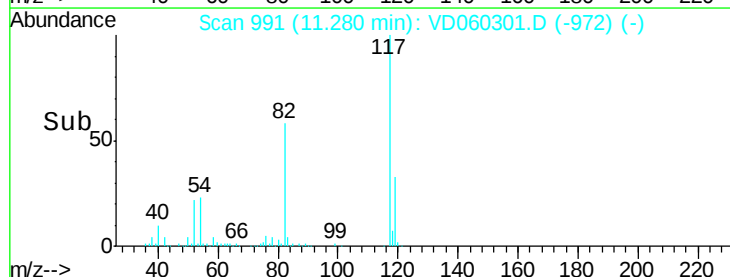


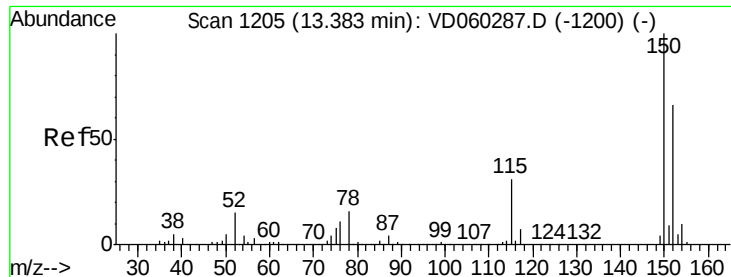
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.02 min
Lab File: VD060301.D
Acq: 7 Nov 2018 15:18

Tgt Ion: 117 Resp: 1385731
Ion Ratio Lower Upper
117 100
82 58.2 43.7 65.5
119 33.0 26.1 39.1



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.38 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060301.D

Acq: 7 Nov 2018 15:18

Instrument :

MSVOA_D

ClientSampleId :

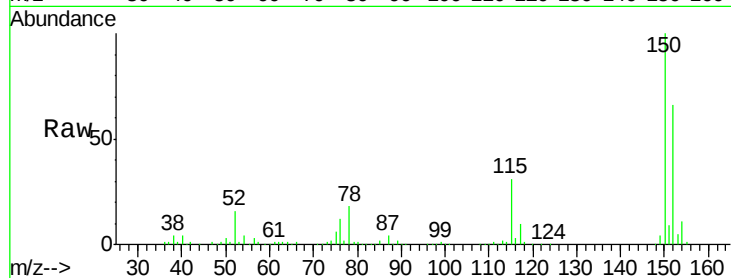
Tot Ion:152 Resp: 520544

Ion Ratio Lower Upper

152 100

115 47.2 24.1 72.3

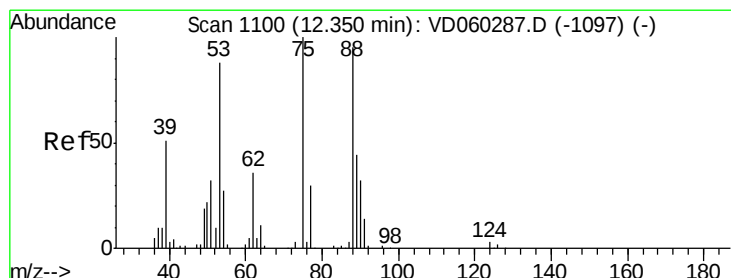
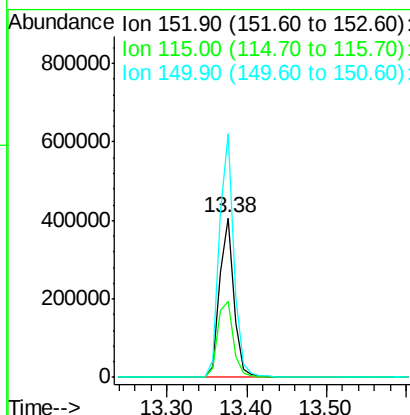
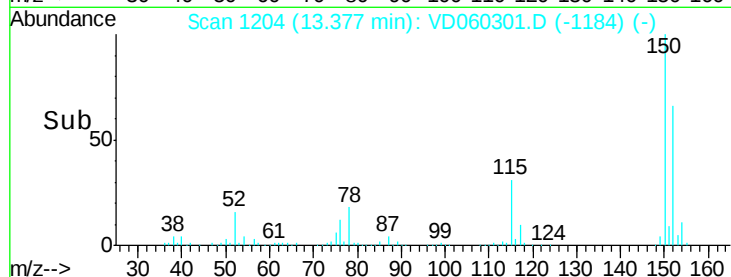
150 152.6 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60):

Ion 115.00 (114.70 to 115.70):

Ion 149.90 (149.60 to 150.60):



#81

trans-1,4-Dichloro-2-butene

Concen: 128.93 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060301.D

Acq: 7 Nov 2018 15:18

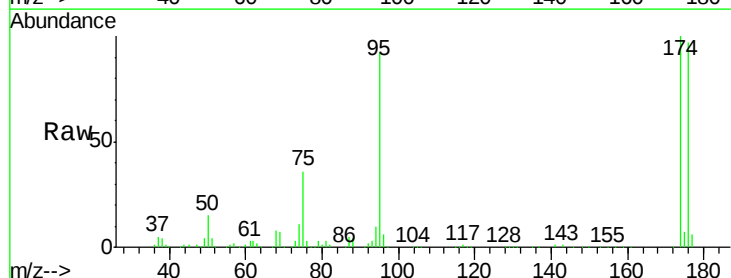
Tgt Ion: 75 Resp: 228559

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 34.1 51.1#



Abundance Ion 75.00 (74.70 to 75.70): VD

Ion 53.00 (52.70 to 53.70): VD

Ion 89.00 (88.70 to 89.70): VD

