

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110718\
 Data File : VD060298.D
 Acq On : 7 Nov 2018 13:53
 Operator : JC/SY
 Sample : J5839-11
 Misc : 5.32g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

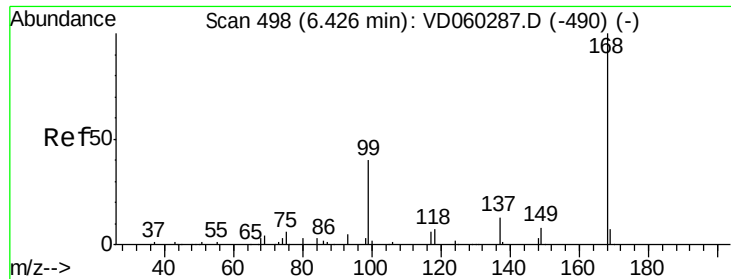
Quant Time: Nov 08 08:16:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1391306	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1913340	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.29	117	1529544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	795065	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	370901	37.23	ug/l	-0.02
Spiked Amount						
			Recovery	=	74.46%	
35) Dibromofluoromethane	6.33	113	523740	36.71	ug/l	0.00
Spiked Amount						
			Recovery	=	73.42%	
50) Toluene-d8	9.46	98	1530228	36.65	ug/l	0.00
Spiked Amount						
			Recovery	=	73.30%	
62) 4-Bromofluorobenzene	12.43	95	545267	36.04	ug/l	0.00
Spiked Amount						
			Recovery	=	72.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	211	Below Cal	#	41
16) Acetone	3.15	43	23850	13.80	ug/l	99
20) Methylene Chloride	3.71	84	117876	7.69	ug/l	99
25) 2-Butanone	5.62	43	4538	1.26	ug/l	# 60
31) Cyclohexane	6.40	56	27027	1.14	ug/l	# 1
36) 1,1-Dichloropropene	6.41	75	94987	5.02	ug/l	# 46
38) Carbon Tetrachloride	6.41	117	109752	6.26	ug/l	# 15
51) 4-Methyl-2-Pentanone	9.46	43	8507	1.20	ug/l	# 1
76) 1,2,3-Trichloropropane	12.43	75	154199	16.21	ug/l	# 45
81) trans-1,4-Dichloro-2-buten	12.43	75	217362	80.28	ug/l	# 15
89) n-Butylbenzene	13.65	91	977	Below Cal	#	82

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060298.D

Acq: 7 Nov 2018 13:53

Instrument :

MSVOA_D

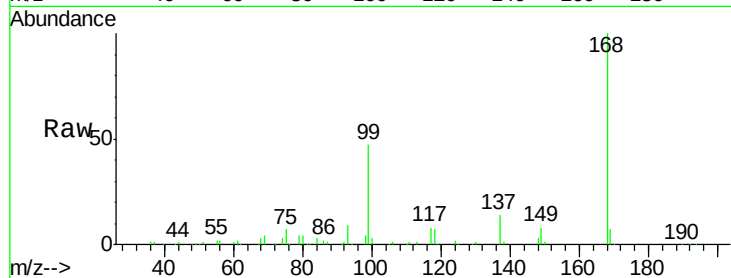
ClientSampled :

Tot Ion:168 Resp: 1391306

Ion Ratio Lower Upper

168 100

99 47.4 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

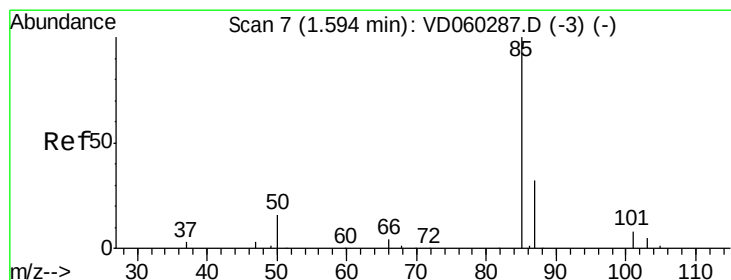
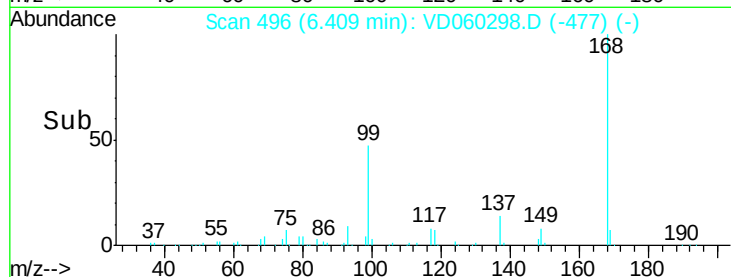
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 5

Delta R.T. -0.02 min

Lab File: VD060298.D

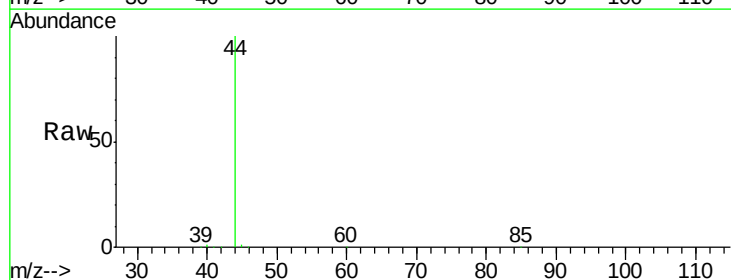
Acq: 7 Nov 2018 13:53

Tgt Ion: 85 Resp: 211

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

400

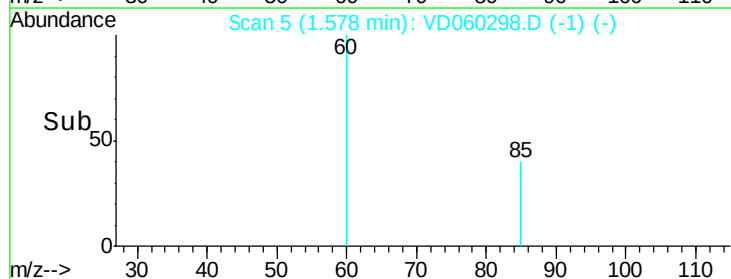
300

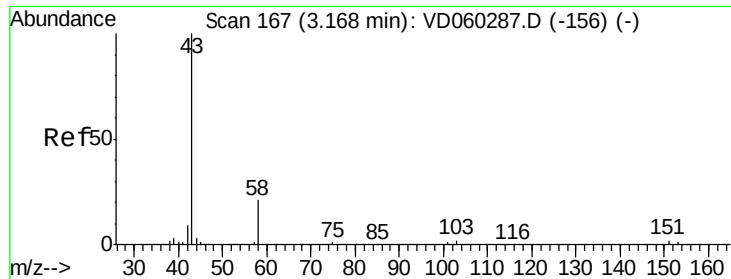
200

100

0

Time-->





#16

Acetone

Concen: 13.80 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060298.D

Acq: 7 Nov 2018 13:53

Instrument :

MSVOA_D

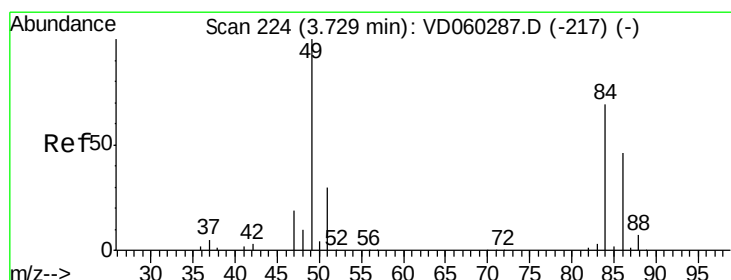
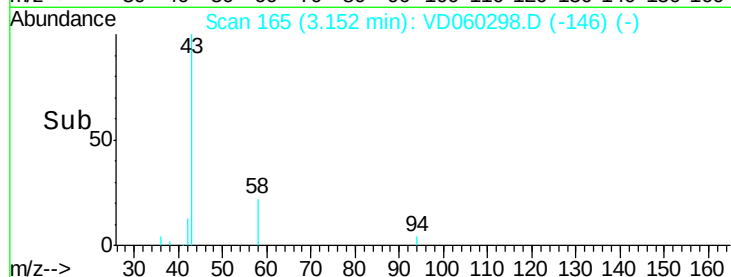
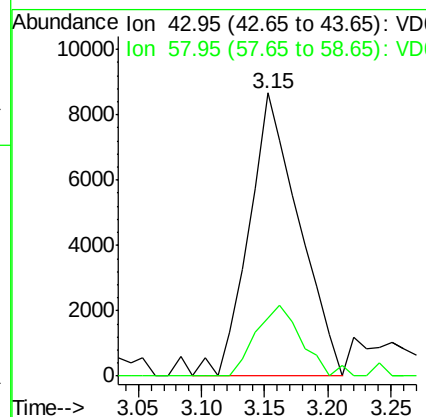
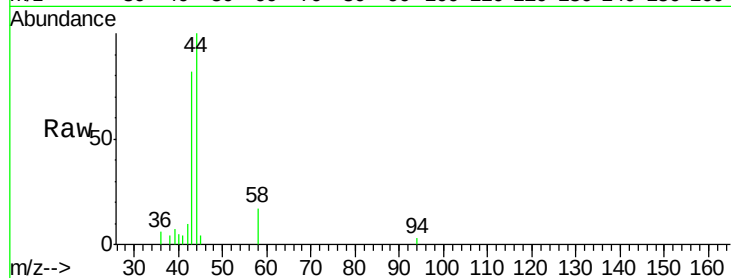
ClientSampleId :

Tot Ion: 43 Resp: 23850

Ion Ratio Lower Upper

43 100

58 20.6 16.9 25.3



#20

Methylene Chloride

Concen: 7.69 ug/l

RT: 3.71 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD060298.D

Acq: 7 Nov 2018 13:53

Tgt Ion: 84 Resp: 117876

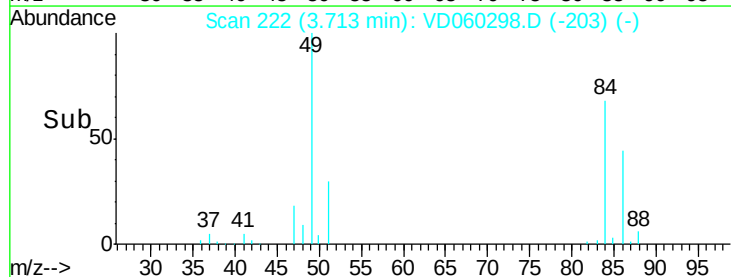
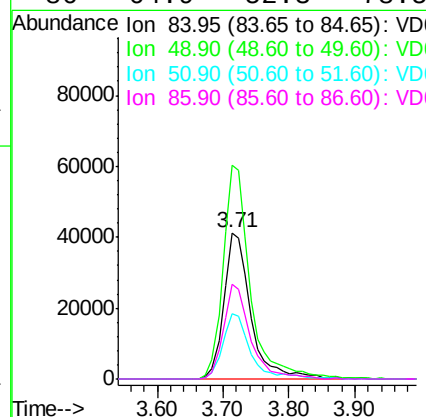
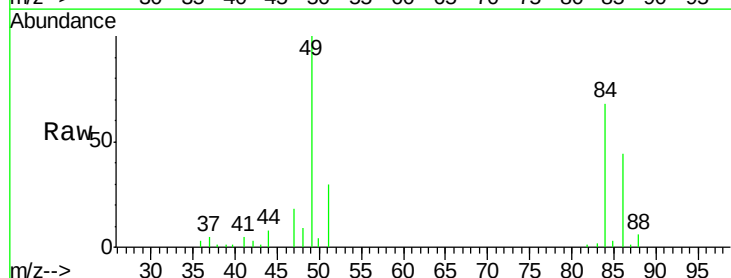
Ion Ratio Lower Upper

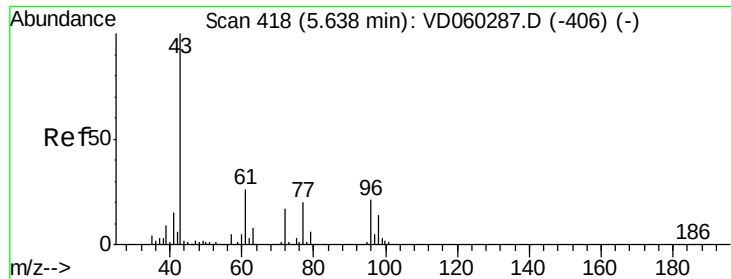
84 100

49 146.2 115.6 173.4

51 44.3 35.6 53.4

86 64.9 52.3 78.5

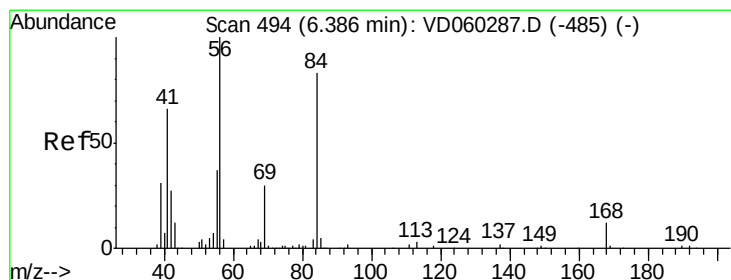
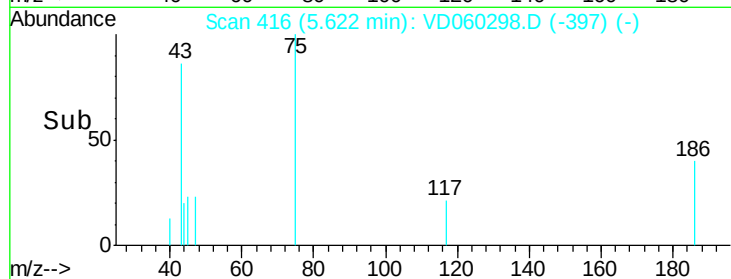
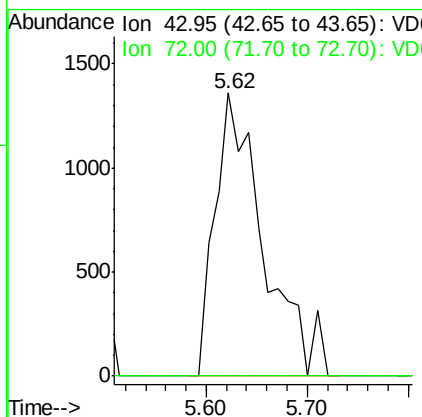
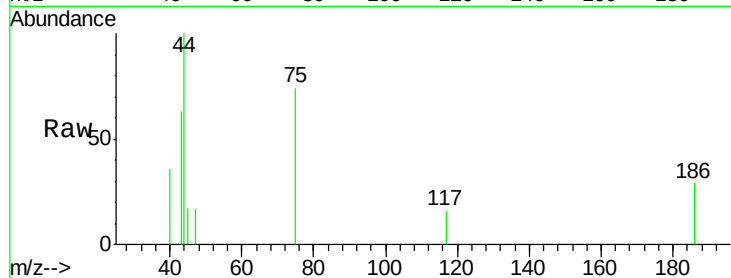




#25
2-Butanone
Concen: 1.26 ug/l
RT: 5.62 min Scan# 416
Delta R.T. -0.02 min
Lab File: VD060298.D
Acq: 7 Nov 2018 13:53

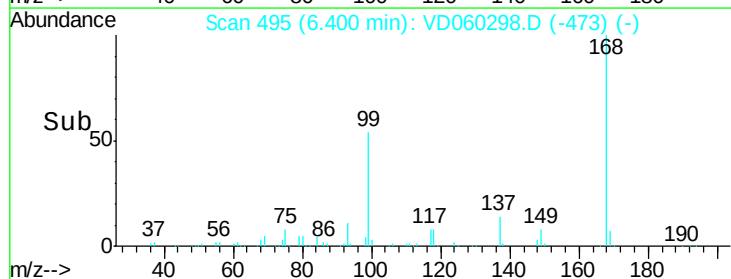
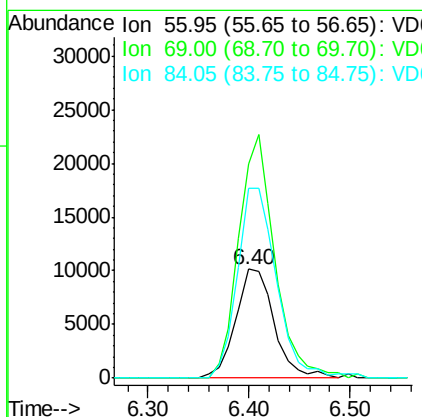
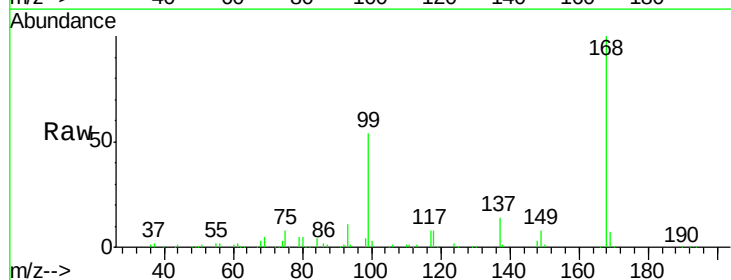
Instrument :
MSVOA_D
ClientSampled :

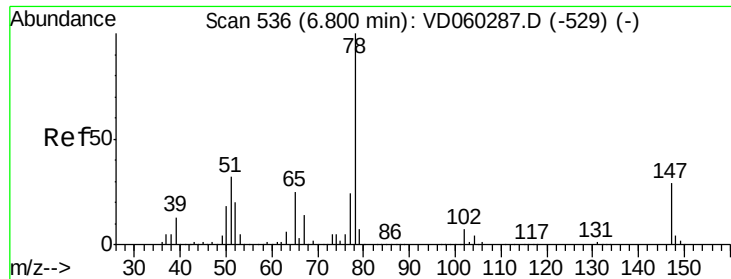
Tot Ion: 43 Resp: 4538
Ion Ratio Lower Upper
43 100
72 0.0 13.8 20.8#



#31
Cyclohexane
Concen: 1.14 ug/l
RT: 6.40 min Scan# 495
Delta R.T. 0.01 min
Lab File: VD060298.D
Acq: 7 Nov 2018 13:53

Tgt Ion: 56 Resp: 27027
Ion Ratio Lower Upper
56 100
69 196.6 22.2 33.2#
84 173.5 63.0 94.4#

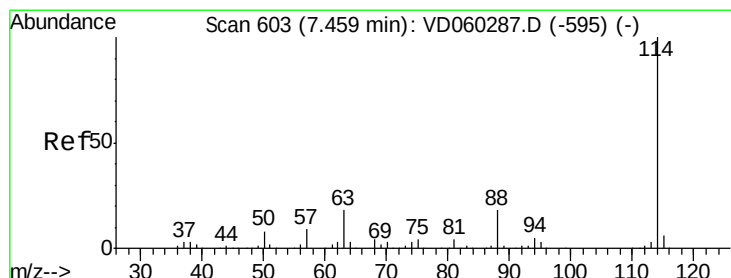
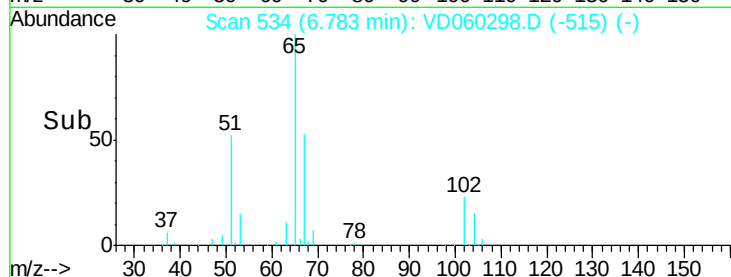
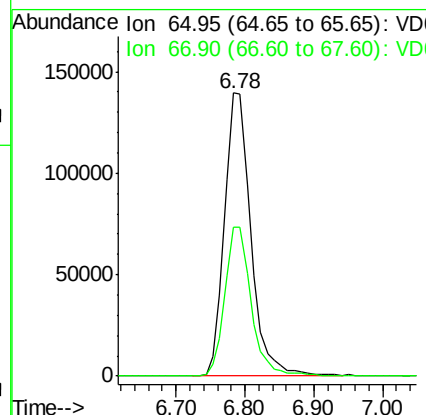
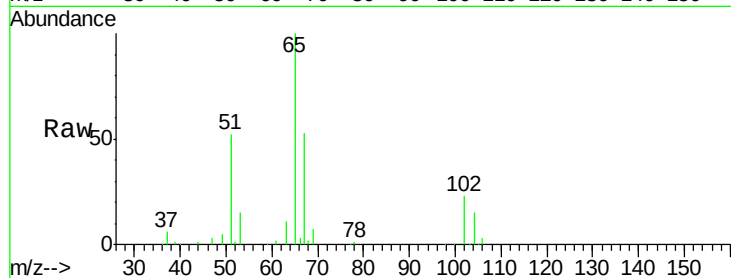




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VD060298.D
 Acq: 7 Nov 2018 13:53

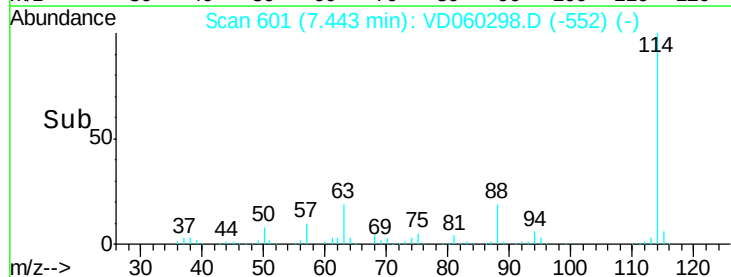
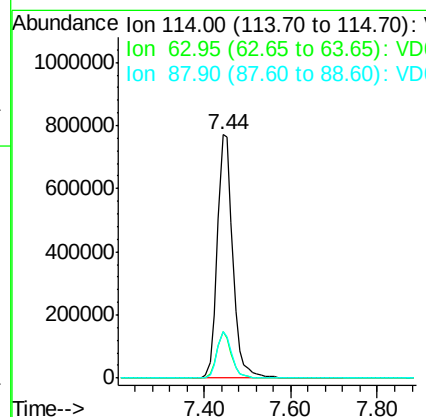
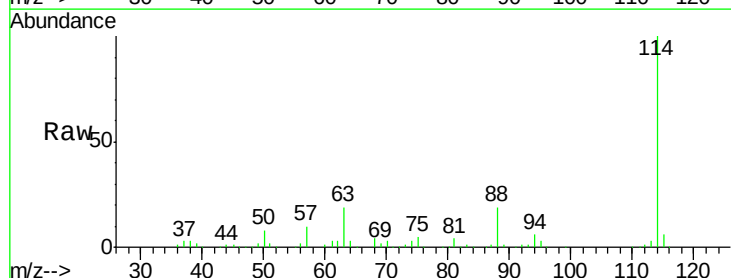
Instrument :
 MSVOA_D
 ClientSampleId :

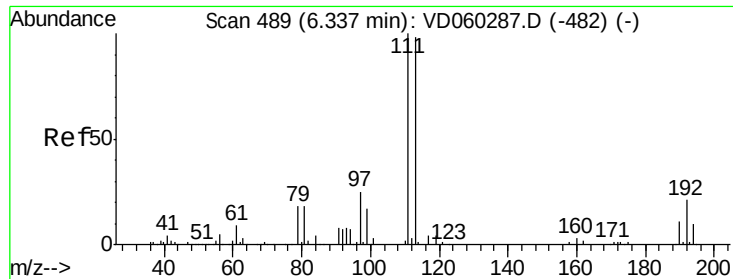
Tot Ion: 65 Resp: 370901
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: VD060298.D
 Acq: 7 Nov 2018 13:53

Tgt Ion:114 Resp: 1913340
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 34.0
 88 18.8 0.0 35.4

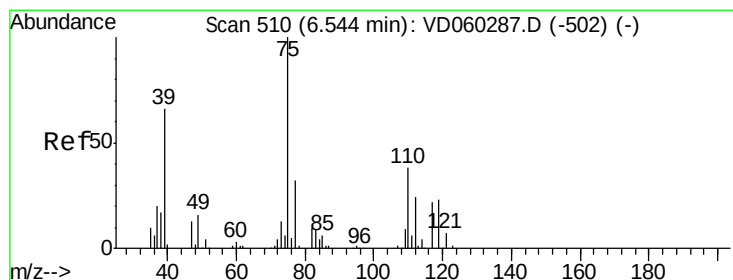
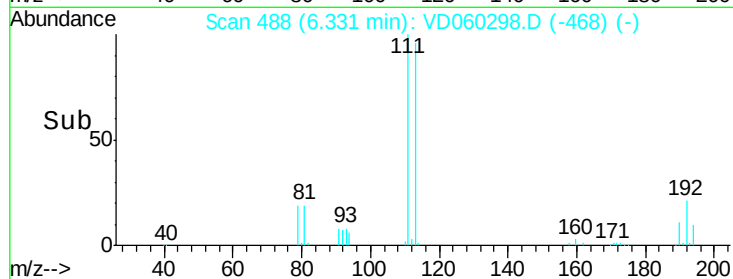
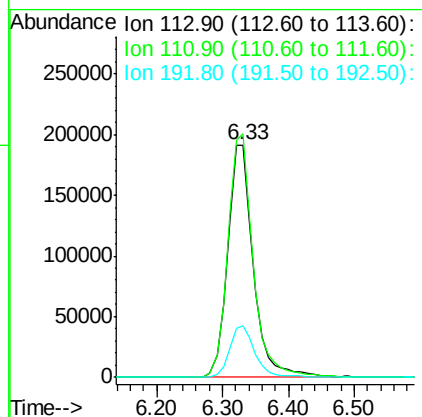
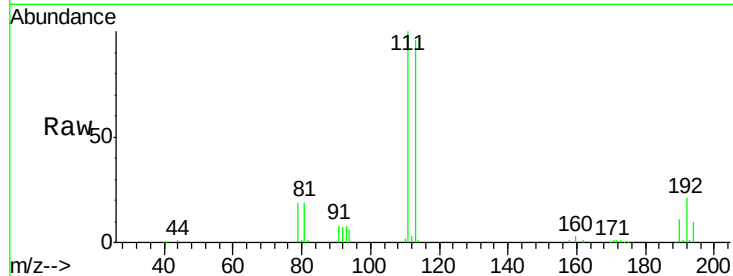




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060298.D
 Acq: 7 Nov 2018 13:53

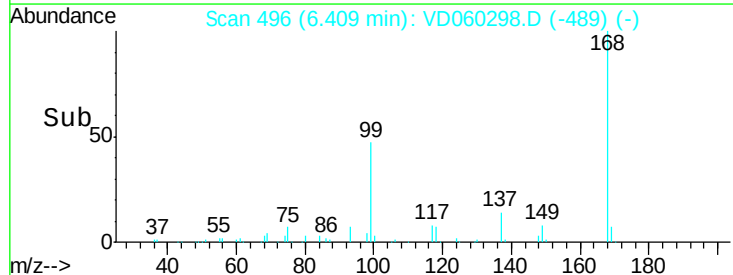
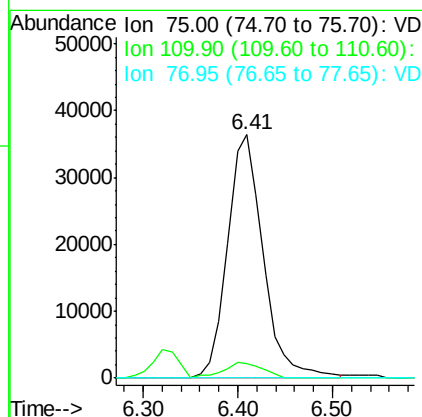
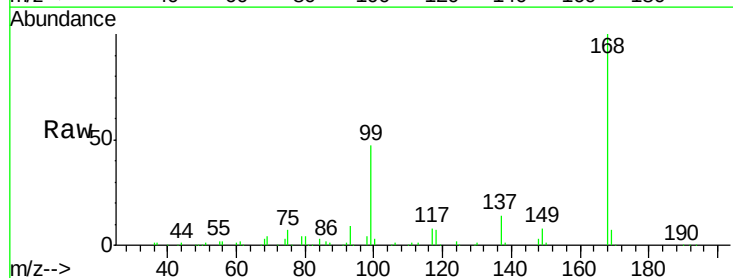
Instrument :
 MSVOA_D
 ClientSampled :

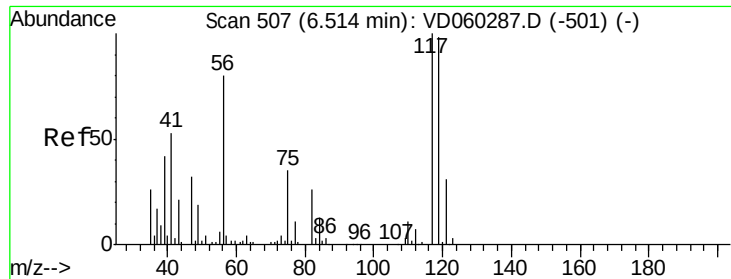
Tot Ion:113 Resp: 523740
 Ion Ratio Lower Upper
 113 100
 111 104.6 81.6 122.4
 192 22.2 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 5.02 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.13 min
 Lab File: VD060298.D
 Acq: 7 Nov 2018 13:53

Tgt Ion: 75 Resp: 94987
 Ion Ratio Lower Upper
 75 100
 110 6.2 18.0 54.0#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 6.26 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.10 min

Lab File: VD060298.D

Acq: 7 Nov 2018 13:53

Instrument :

MSVOA_D

ClientSampleId :

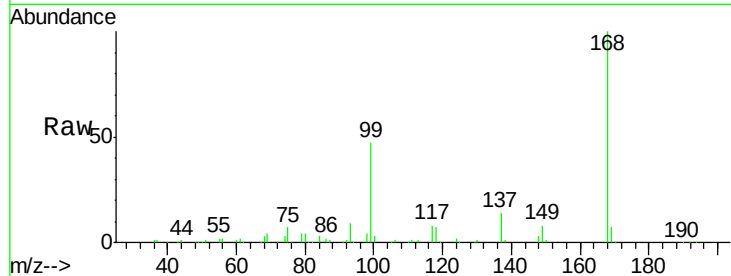
Tot Ion:117 Resp: 109752

Ion Ratio Lower Upper

117 100

119 4.0 76.6 115.0#

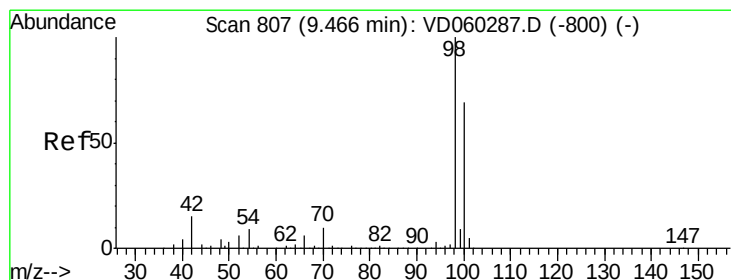
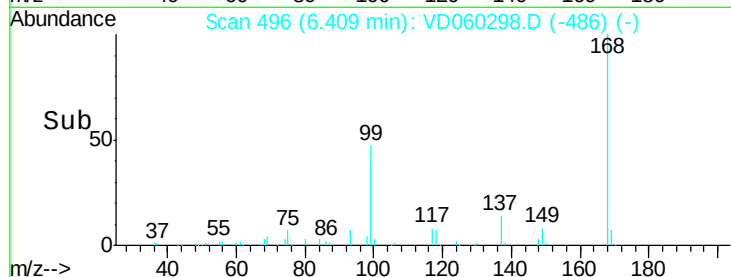
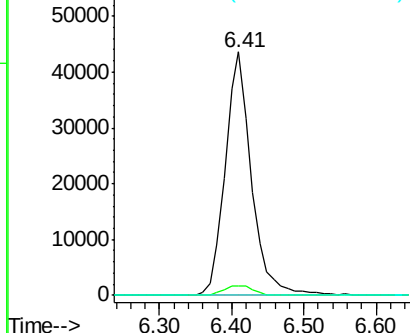
121 0.0 24.3 36.5#



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: VD060298.D

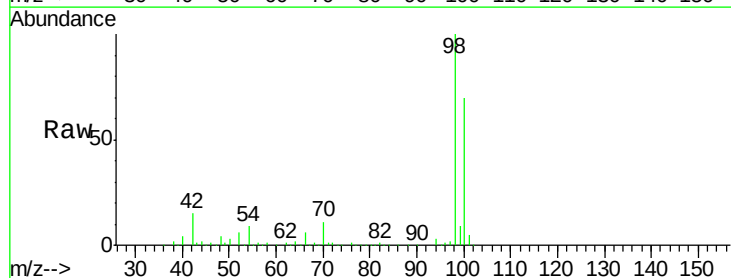
Acq: 7 Nov 2018 13:53

Tgt Ion: 98 Resp: 1530228

Ion Ratio Lower Upper

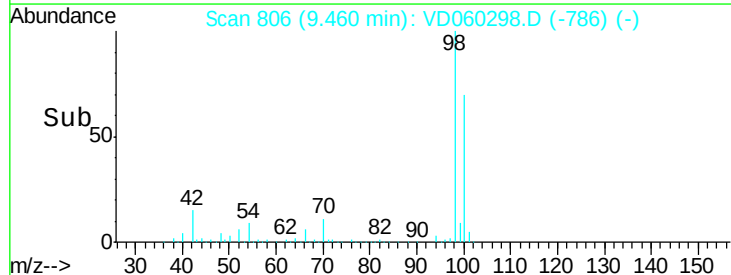
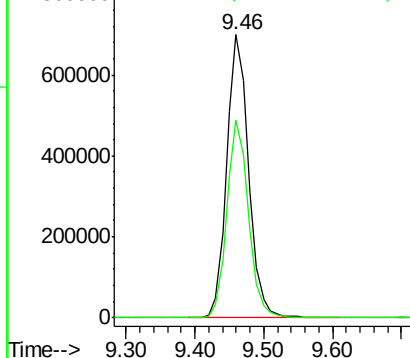
98 100

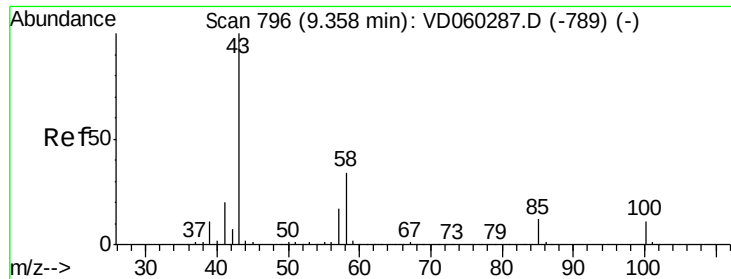
100 69.9 55.2 82.8



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: 1.20 ug/l

RT: 9.46 min Scan# 806

Delta R.T. 0.10 min

Lab File: VD060298.D

Acq: 7 Nov 2018 13:53

Instrument :

MSVOA_D

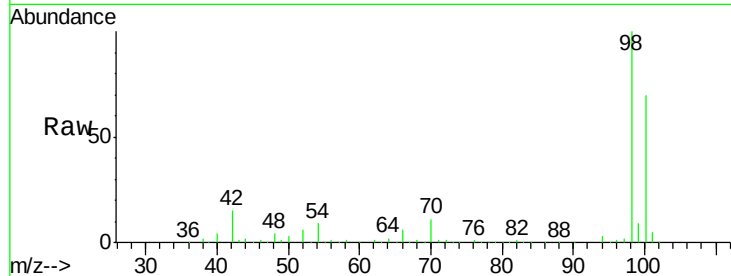
ClientSampleId :

Tot Ion: 43 Resp: 8507

Ion Ratio Lower Upper

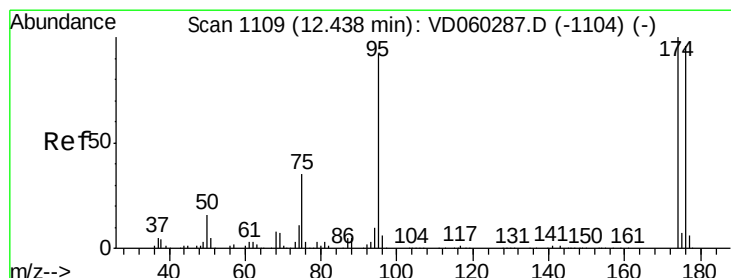
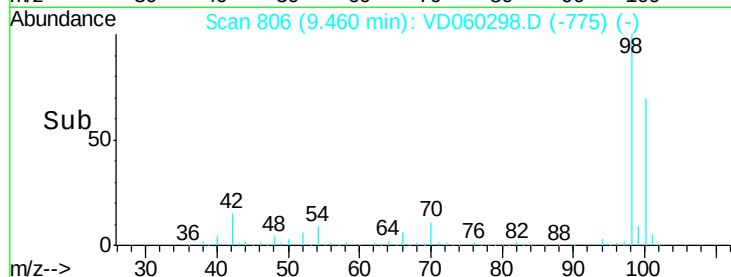
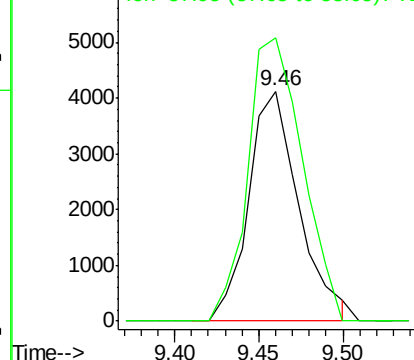
43 100

58 123.2 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: VD060298.D

Acq: 7 Nov 2018 13:53

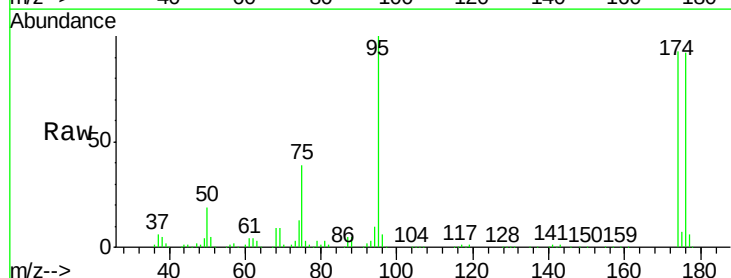
Tgt Ion: 95 Resp: 545267

Ion Ratio Lower Upper

95 100

174 93.3 0.0 160.8

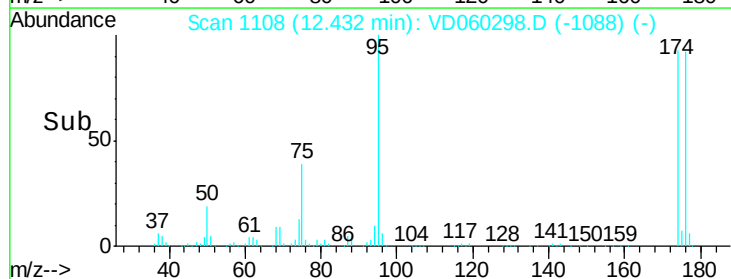
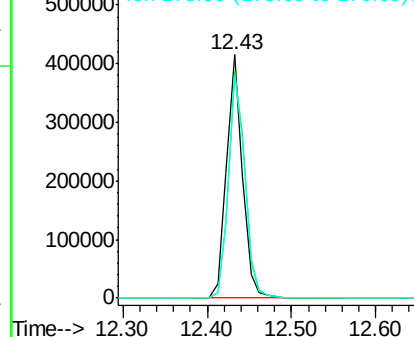
176 91.7 0.0 154.6

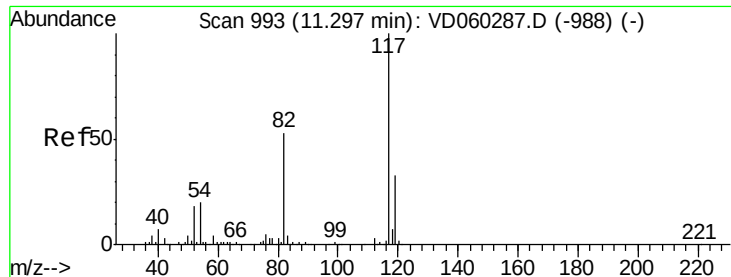


Abundance Ion 95.00 (94.70 to 95.70): VD

Ion 173.90 (173.60 to 174.60):

Ion 175.90 (175.60 to 176.60):

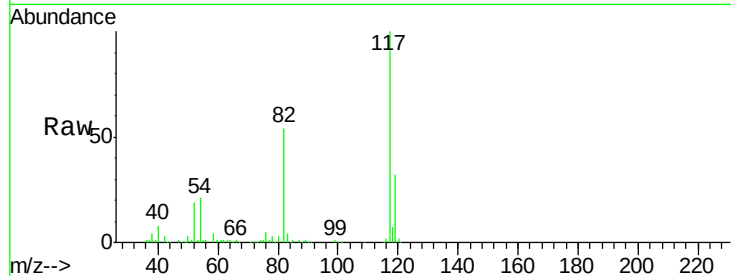




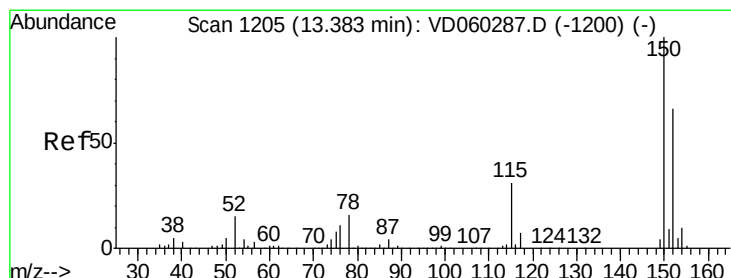
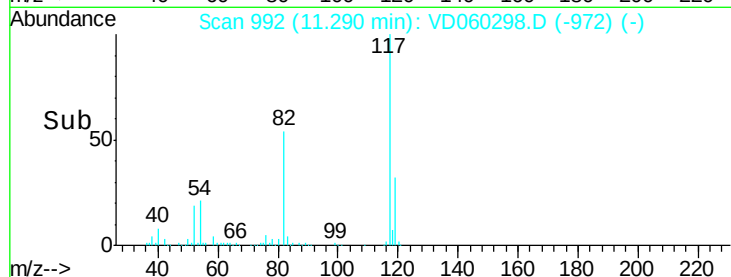
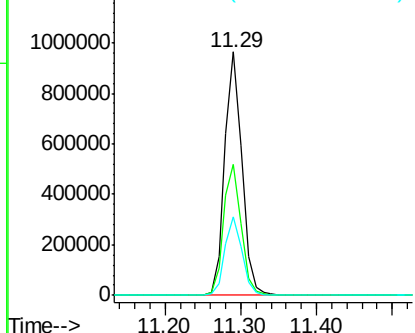
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060298.D
Acq: 7 Nov 2018 13:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1529544
Ion Ratio Lower Upper
117 100
82 53.8 43.7 65.5
119 32.2 26.1 39.1

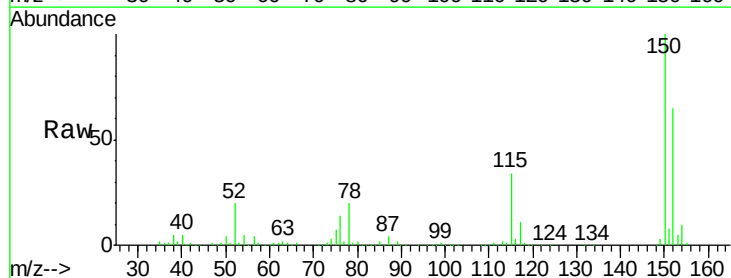


Abundance Ion 116.95 (116.65 to 117.65):
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65):

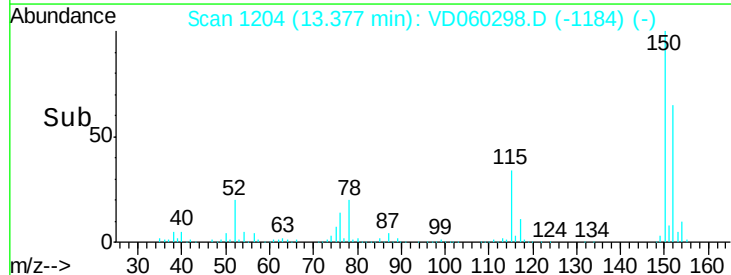
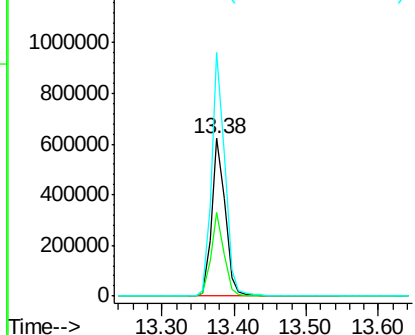


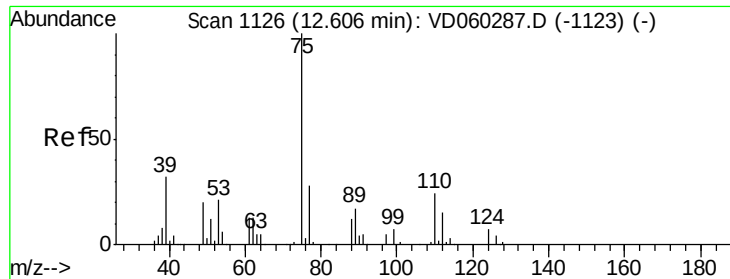
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060298.D
Acq: 7 Nov 2018 13:53

Tgt Ion:152 Resp: 795065
Ion Ratio Lower Upper
152 100
115 52.9 24.1 72.3
150 154.3 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):

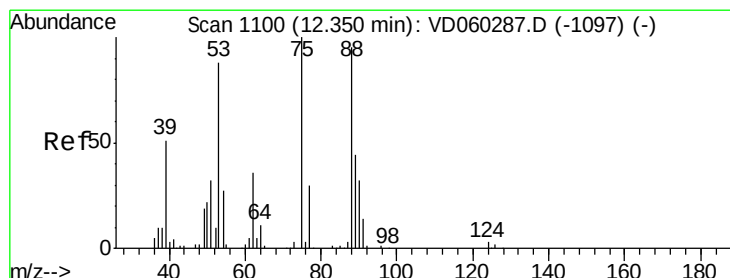
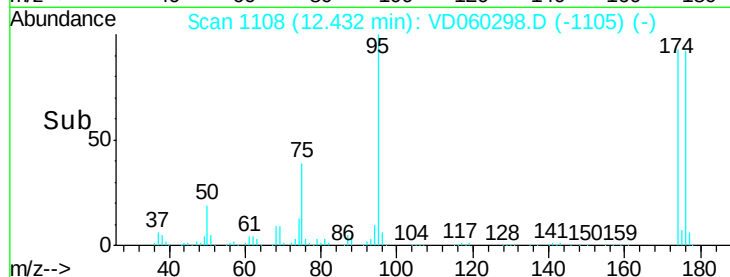
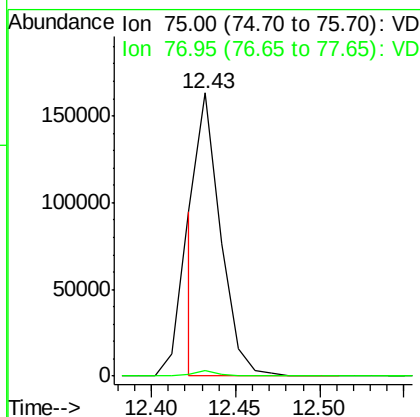
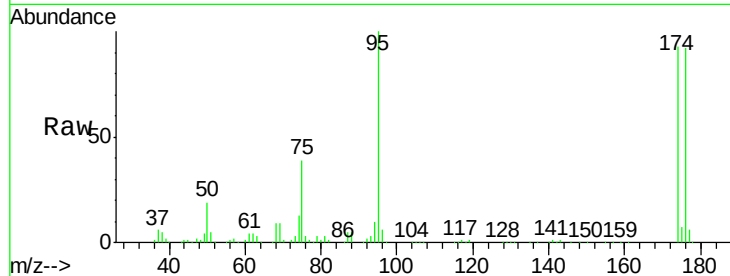




#76
 1,2,3-Trichloropropane
 Concen: 16.21 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.17 min
 Lab File: VD060298.D
 Acq: 7 Nov 2018 13:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 154199
 Ion Ratio Lower Upper
 75 100
 77 1.8 16.4 49.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.28 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.08 min
 Lab File: VD060298.D
 Acq: 7 Nov 2018 13:53

Tgt Ion: 75 Resp: 217362
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 103.0#
 89 0.0 34.1 51.1#

