

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121318\
 Data File : VD060560.D
 Acq On : 13 Dec 2018 14:49
 Operator : VA/AP
 Sample : J6361-01
 Misc : 4.51g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TN4803-121218

Quant Time: Dec 14 01:05:22 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	1288837	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1844565	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1439078	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	706006	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	358257	39.22	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	78.44%	
35) Dibromofluoromethane	6.31	113	482445	35.61	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	71.22%	
50) Toluene-d8	9.43	98	1296834	33.08	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	66.16%	
62) 4-Bromofluorobenzene	12.41	95	478708	34.12	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	68.24%	

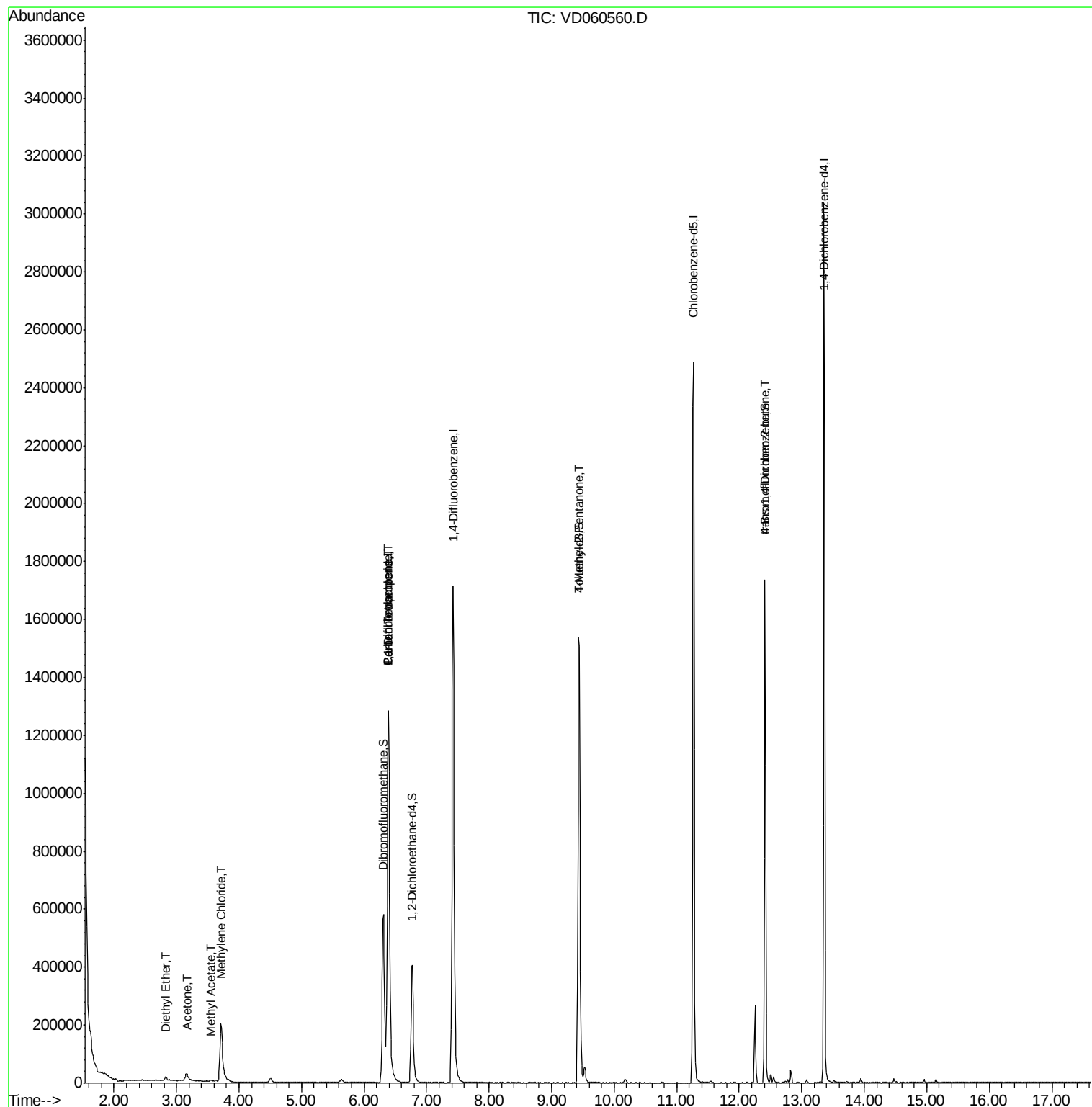
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.63	85	1773	Below Cal	#	41
8) Diethyl Ether	2.83	74	4518	2.143	ug/l	100
16) Acetone	3.15	43	60386	41.239	ug/l	98
18) Methyl Acetate	3.55	43	6079	1.747	ug/l #	84
20) Methylene Chloride	3.71	84	144244	6.870	ug/l	96
31) Cyclohexane	6.39	56	22718	Below Cal	#	1
36) 1,1-Dichloropropene	6.39	75	91302	5.064	ug/l #	48
38) Carbon Tetrachloride	6.39	117	98651	6.095	ug/l #	16
51) 4-Methyl-2-Pentanone	9.43	43	7104	1.183	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.41	75	189762	85.053	ug/l #	14
89) n-Butylbenzene	13.64	91	1798	Below Cal	#	79

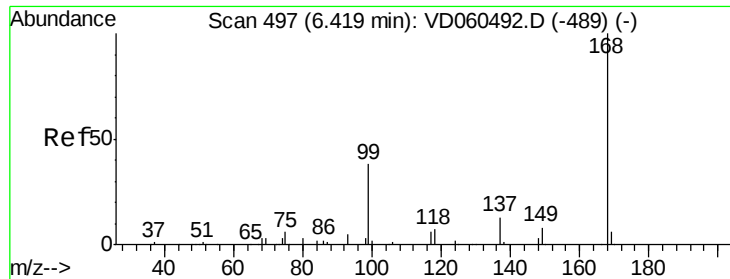
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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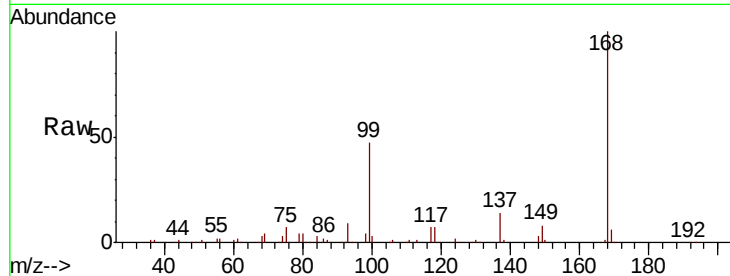


#1

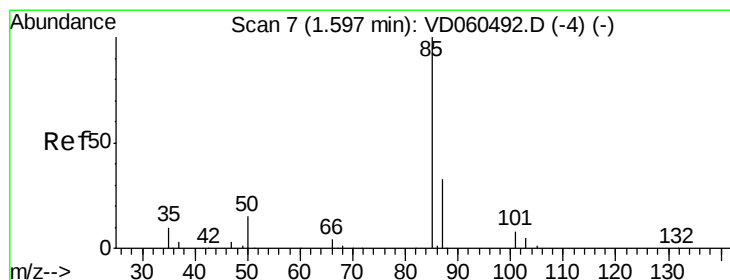
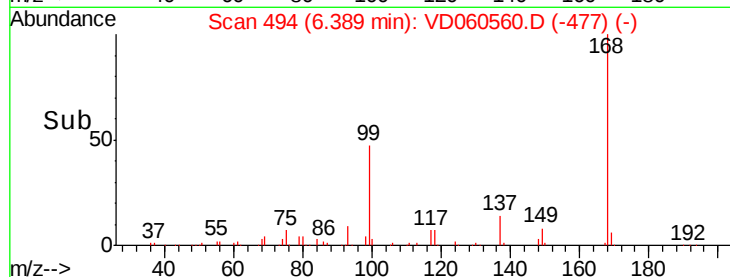
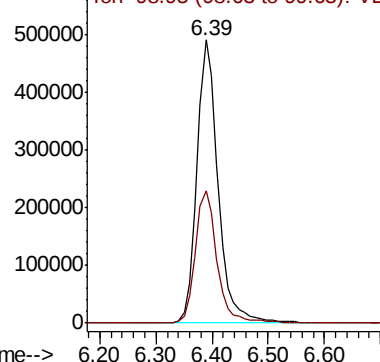
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.39 min Scan# 494
Delta R.T. -0.03 min
Lab File: VD060560.D
Acq: 13 Dec 2018 14:49

Instrument :
MSVOA_D
ClientSampleId :
TN4803-121218

Tgt Ion:168 Resp: 1288837
Ion Ratio Lower Upper
168 100
99 46.7 35.6 53.4



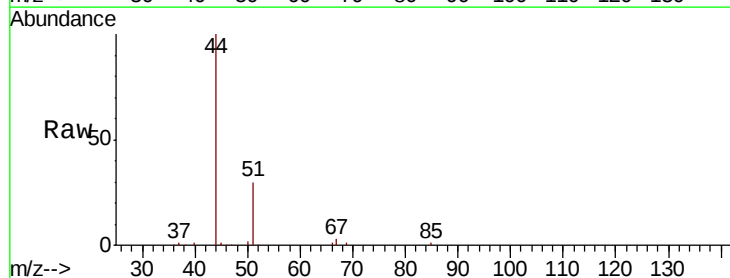
Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.95 (98.65 to 99.65): VDC



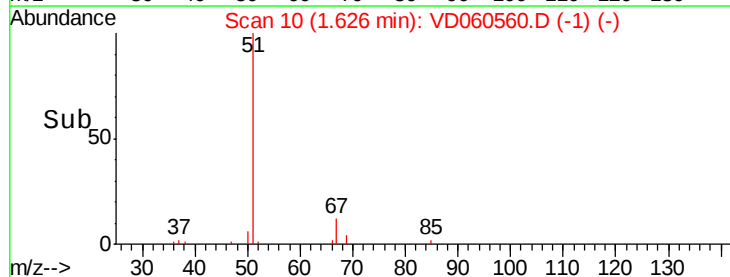
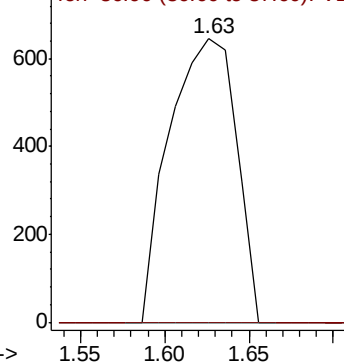
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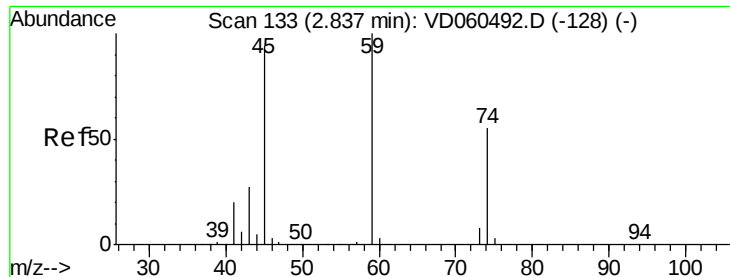
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.63 min Scan# 10
Delta R.T. 0.03 min
Lab File: VD060560.D
Acq: 13 Dec 2018 14:49

Tgt Ion: 85 Resp: 1773
Ion Ratio Lower Upper
85 100
87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC
Ion 86.90 (86.60 to 87.60): VDC





#8

Diethyl Ether

Concen: 2.143 ug/l

RT: 2.83 min Scan# 132

Delta R.T. -0.01 min

Lab File: VD060560.D

Acq: 13 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

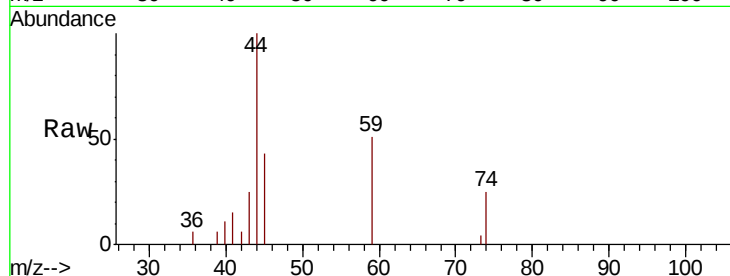
TN4803-121218

Tgt Ion: 74 Resp: 4518

Ion Ratio Lower Upper

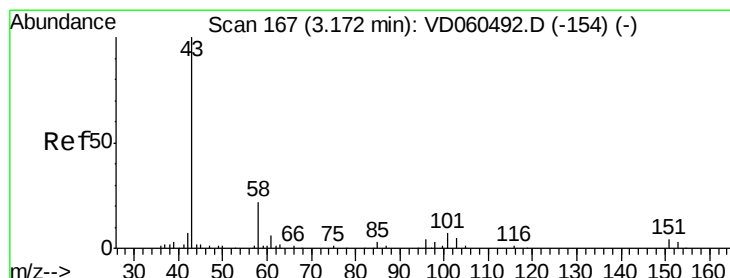
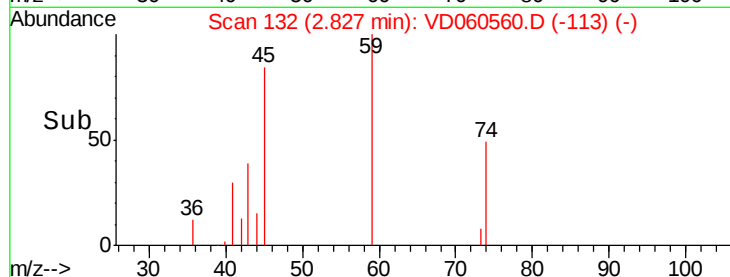
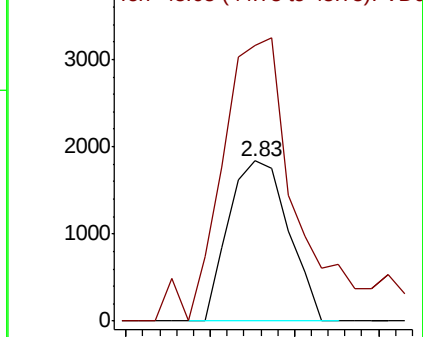
74 100

45 171.9 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#16

Acetone

Concen: 41.239 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060560.D

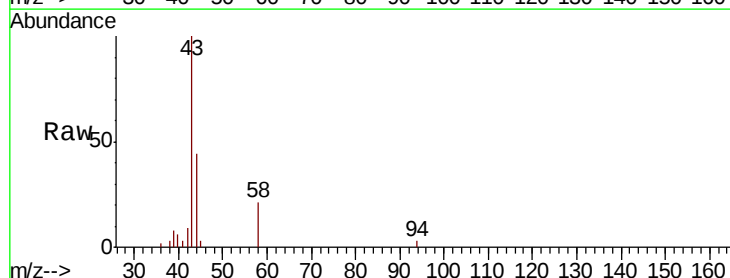
Acq: 13 Dec 2018 14:49

Tgt Ion: 43 Resp: 60386

Ion Ratio Lower Upper

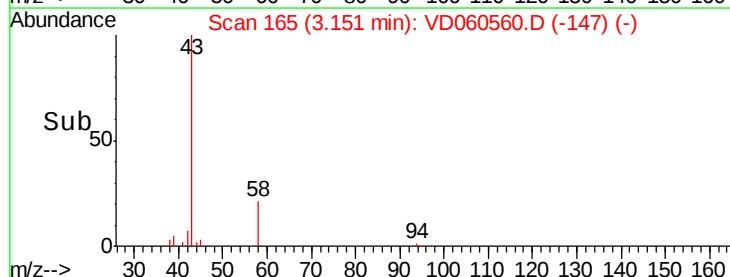
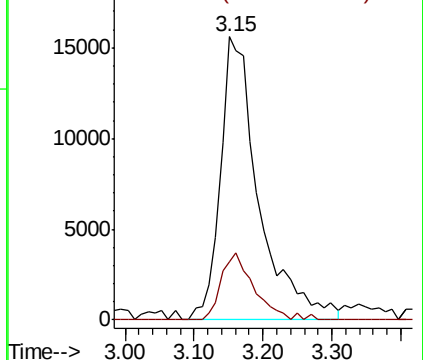
43 100

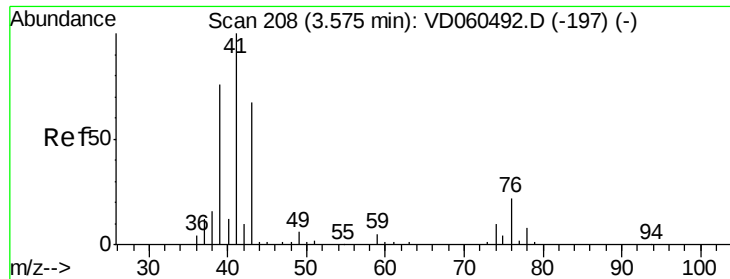
58 20.5 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

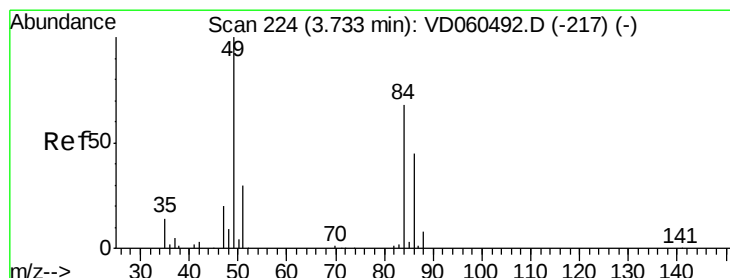
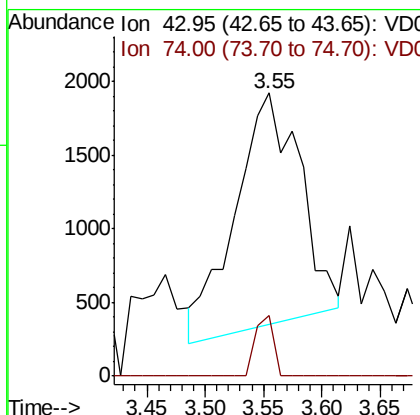
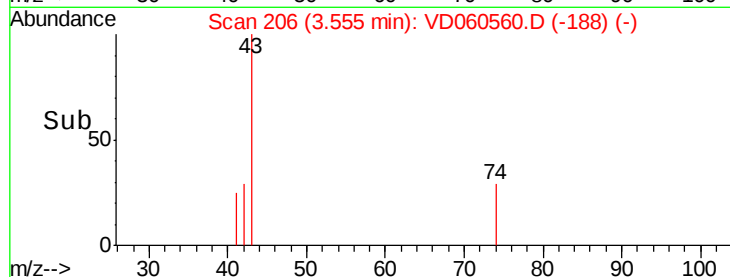
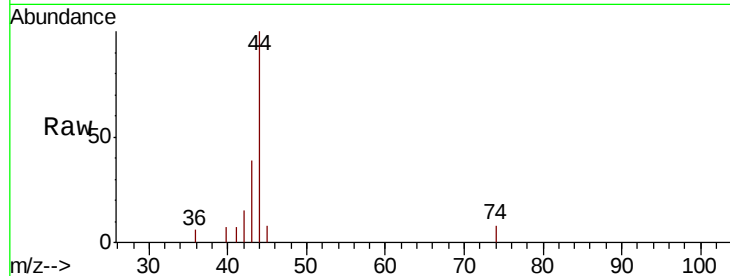




#18
Methyl Acetate
Concen: 1.747 ug/l
RT: 3.55 min Scan# 206
Delta R.T. -0.02 min
Lab File: VD060560.D
Acq: 13 Dec 2018 14:49

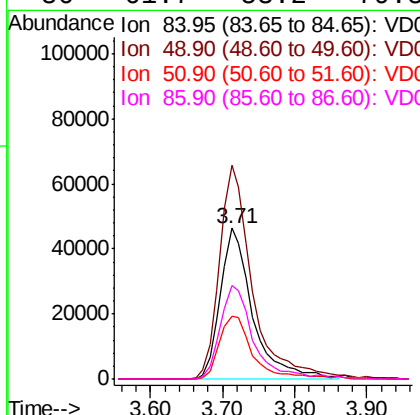
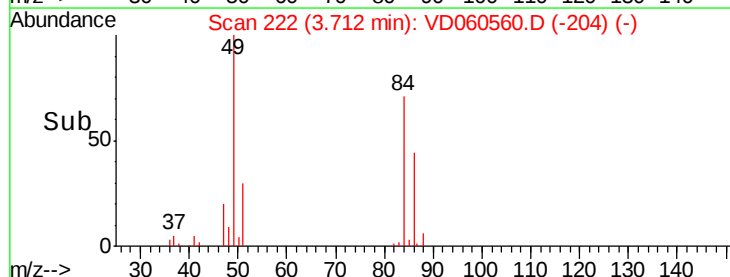
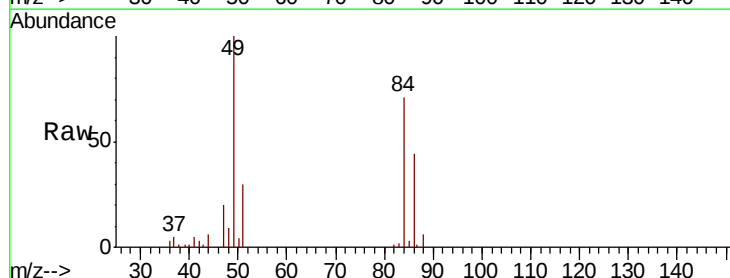
Instrument :
MSVOA_D
ClientSampleId :
TN4803-121218

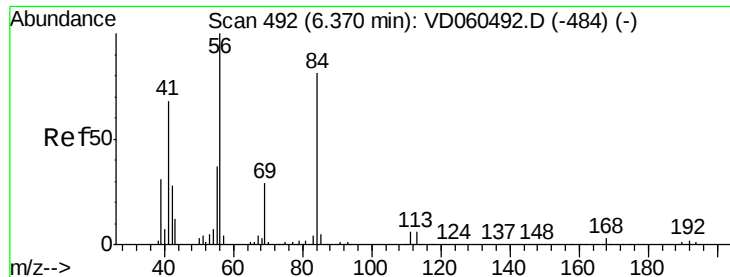
Tgt Ion: 43 Resp: 6079
Ion Ratio Lower Upper
43 100
74 21.5 12.0 18.0#



#20
Methylene Chloride
Concen: 6.870 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD060560.D
Acq: 13 Dec 2018 14:49

Tgt Ion: 84 Resp: 144244
Ion Ratio Lower Upper
84 100
49 141.4 117.2 175.8
51 41.9 35.3 52.9
86 61.7 53.2 79.8

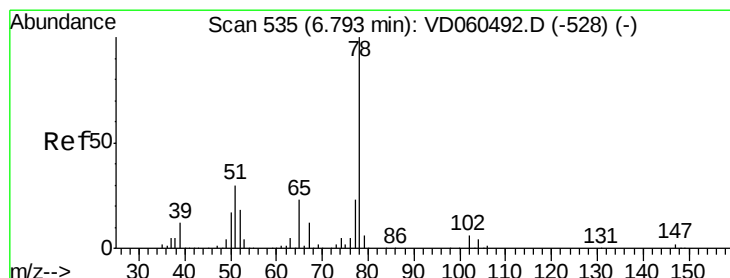
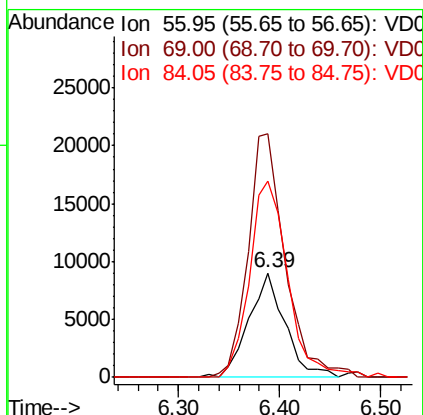
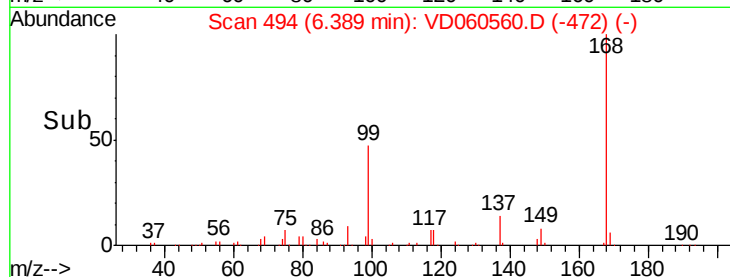
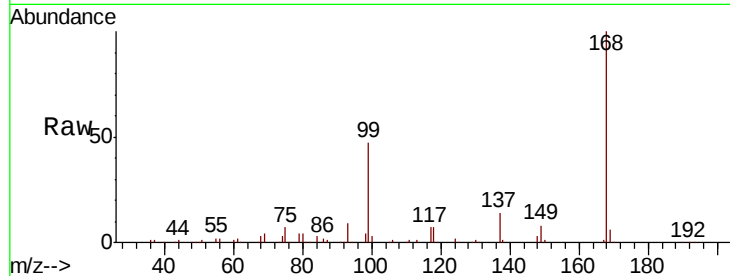




#31
Cyclohexane
Concen: Below Cal
RT: 6.39 min Scan# 494
Delta R.T. 0.02 min
Lab File: VD060560.D
Acq: 13 Dec 2018 14:49

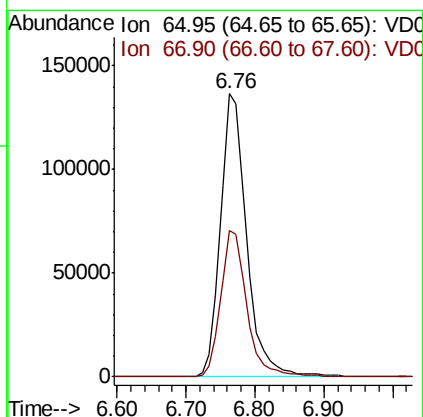
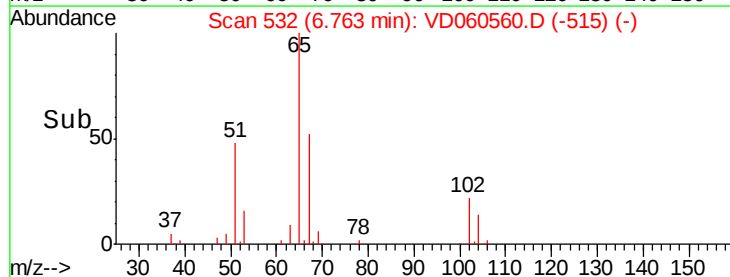
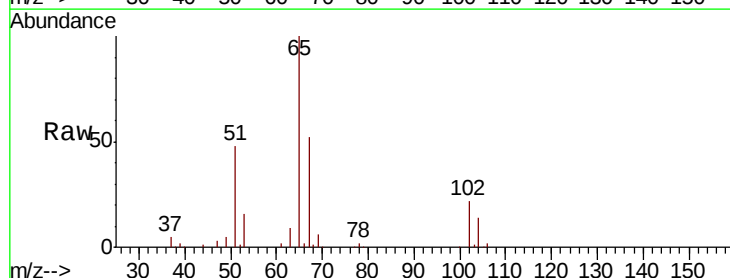
Instrument :
MSVOA_D
ClientSampleId :
TN4803-121218

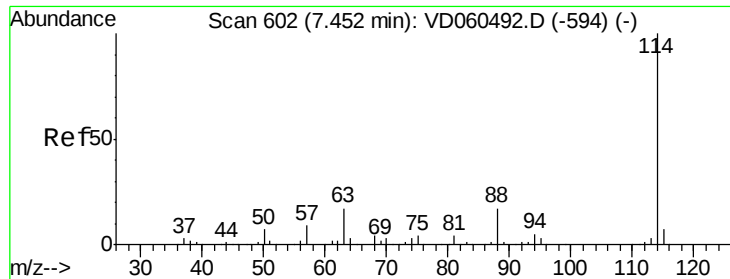
Tgt Ion: 56 Resp: 22718
Ion Ratio Lower Upper
56 100
69 232.6 22.8 34.2#
84 186.9 65.1 97.7#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.76 min Scan# 532
Delta R.T. -0.03 min
Lab File: VD060560.D
Acq: 13 Dec 2018 14:49

Tgt Ion: 65 Resp: 358257
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.8

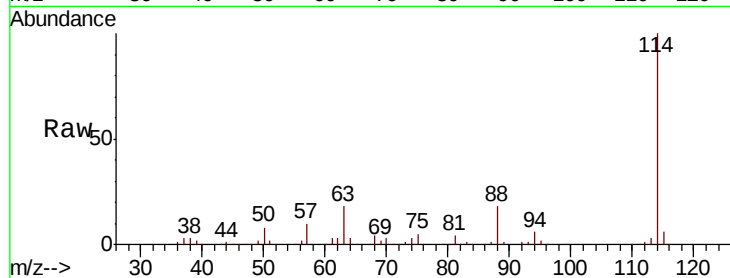




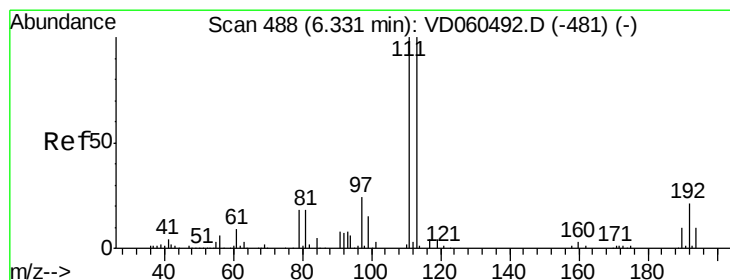
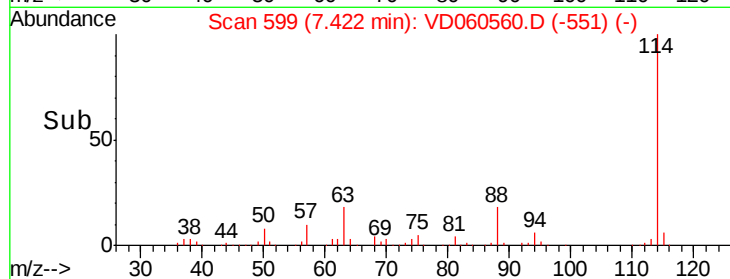
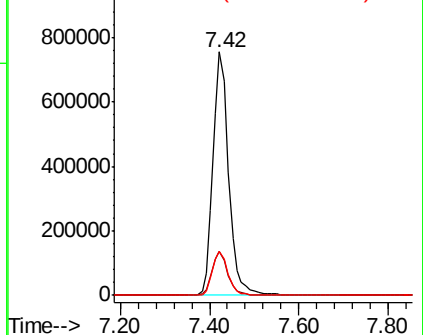
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.03 min
 Lab File: VD060560.D
 Acq: 13 Dec 2018 14:49

Instrument :
 MSVOA_D
 ClientSampleId :
 TN4803-121218

Tgt Ion:114 Resp: 1844565
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 34.2
 88 18.3 0.0 35.0

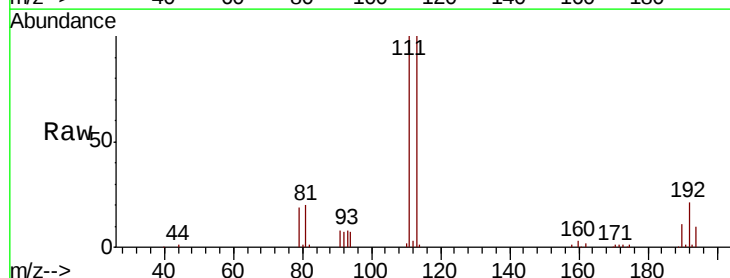


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

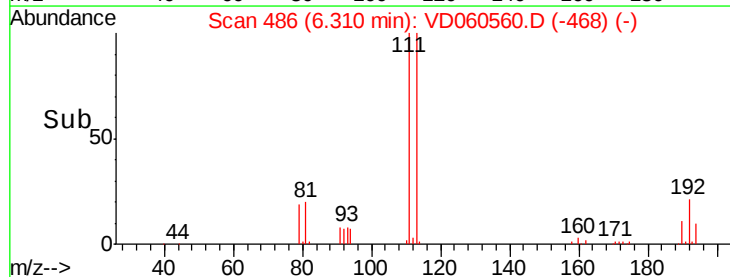
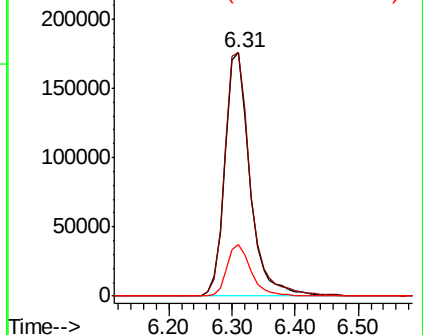


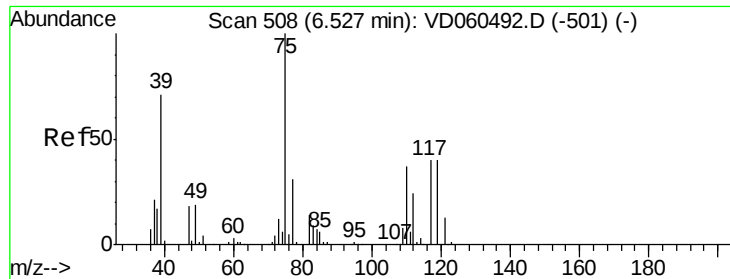
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. -0.02 min
 Lab File: VD060560.D
 Acq: 13 Dec 2018 14:49

Tgt Ion:113 Resp: 482445
 Ion Ratio Lower Upper
 113 100
 111 99.9 80.2 120.4
 192 21.3 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





#36

1,1-Dichloropropene

Concen: 5.064 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.14 min

Lab File: VD060560.D

Acq: 13 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

TN4803-121218

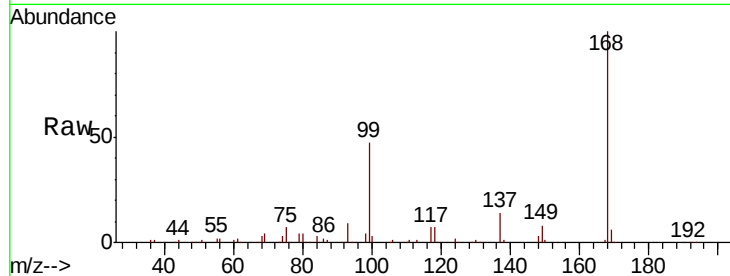
Tgt Ion: 75 Resp: 91302

Ion Ratio Lower Upper

75 100

110 7.5 18.3 54.8#

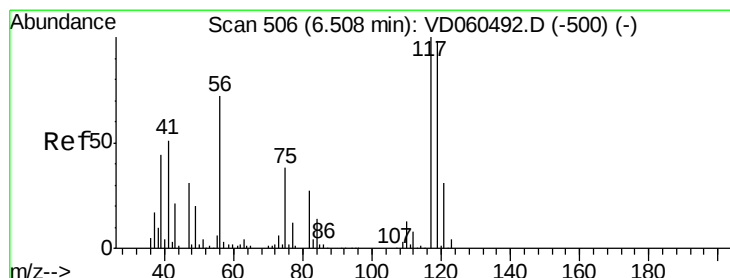
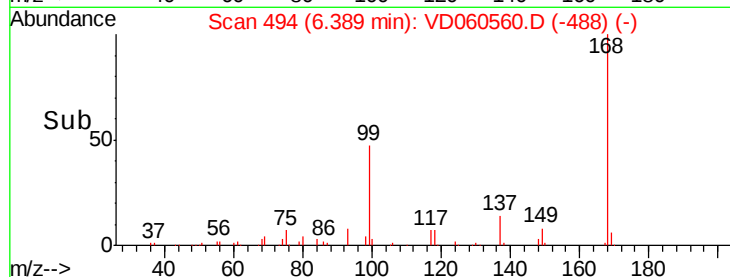
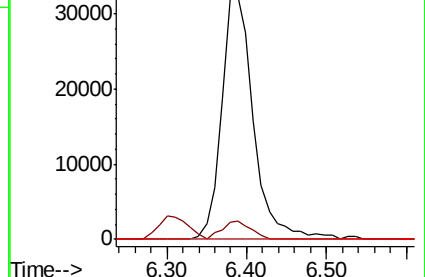
77 0.0 24.6 37.0#



Abundance Ion 75.00 (74.70 to 75.70): VD060492.D (-501) (-)

Ion 109.90 (109.60 to 110.60): VD060492.D (-501) (-)

Ion 76.95 (76.65 to 77.65): VD060492.D (-501) (-)



#38

Carbon Tetrachloride

Concen: 6.095 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.12 min

Lab File: VD060560.D

Acq: 13 Dec 2018 14:49

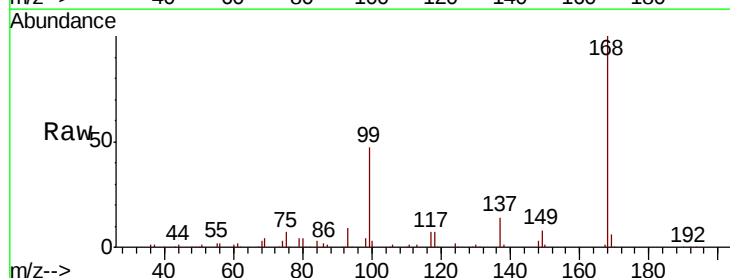
Tgt Ion: 117 Resp: 98651

Ion Ratio Lower Upper

117 100

119 4.8 76.8 115.2#

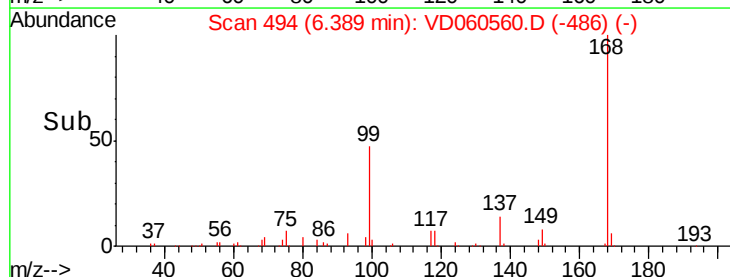
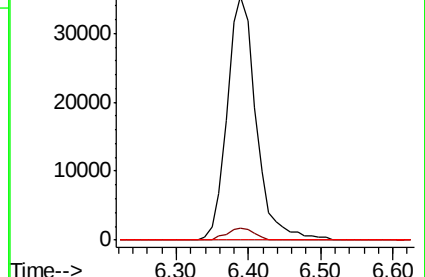
121 0.0 24.4 36.6#

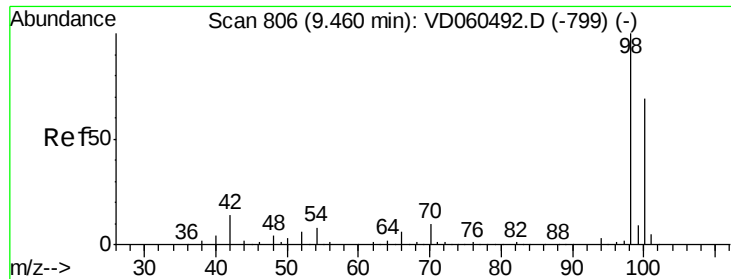


Abundance Ion 116.85 (116.55 to 117.55): VD060492.D (-500) (-)

Ion 118.85 (118.55 to 119.55): VD060492.D (-500) (-)

Ion 120.85 (120.55 to 121.55): VD060492.D (-500) (-)

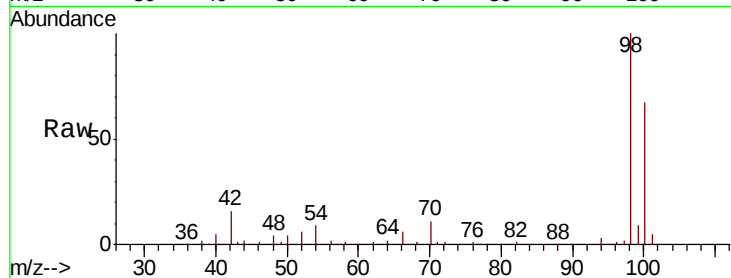




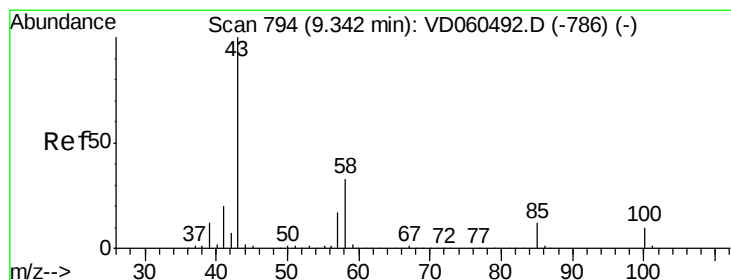
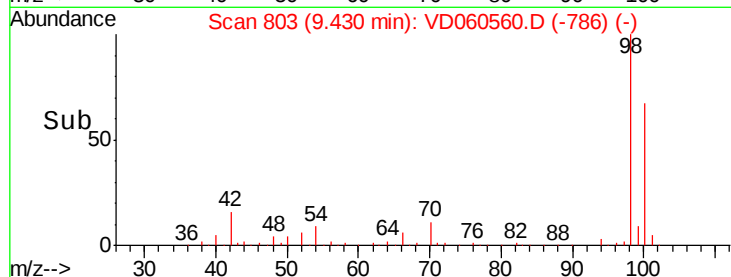
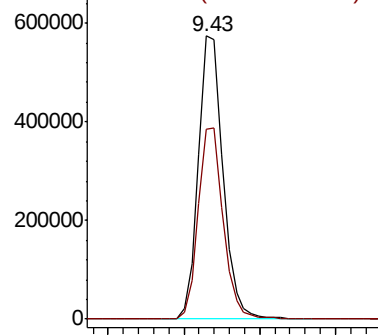
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 803
Delta R.T. -0.03 min
Lab File: VD060560.D
Acq: 13 Dec 2018 14:49

Instrument :
MSVOA_D
ClientSampleId :
TN4803-121218

Tgt Ion: 98 Resp: 1296834
Ion Ratio Lower Upper
98 100
100 67.2 55.7 83.5

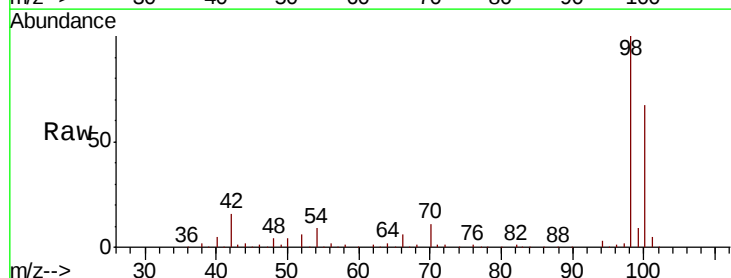


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

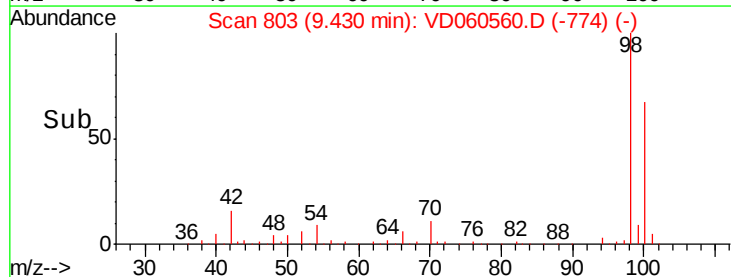
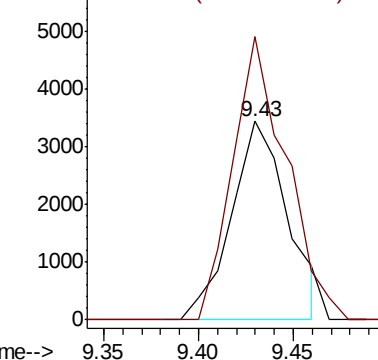


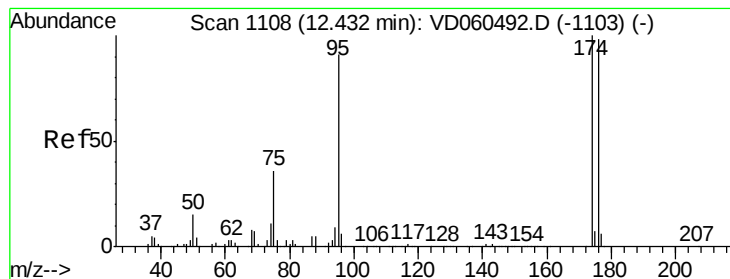
#51
4-Methyl-2-Pentanone
Concen: 1.183 ug/l
RT: 9.43 min Scan# 803
Delta R.T. 0.09 min
Lab File: VD060560.D
Acq: 13 Dec 2018 14:49

Tgt Ion: 43 Resp: 7104
Ion Ratio Lower Upper
43 100
58 142.7 26.3 39.5#



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: 12.41 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VD060560.D

Acq: 13 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

TN4803-121218

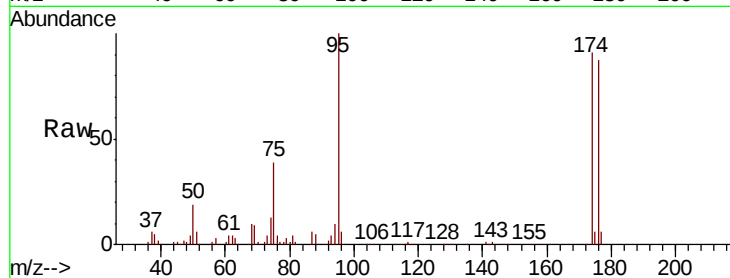
Tgt Ion: 95 Resp: 478708

Ion Ratio Lower Upper

95 100

174 90.9 0.0 219.4

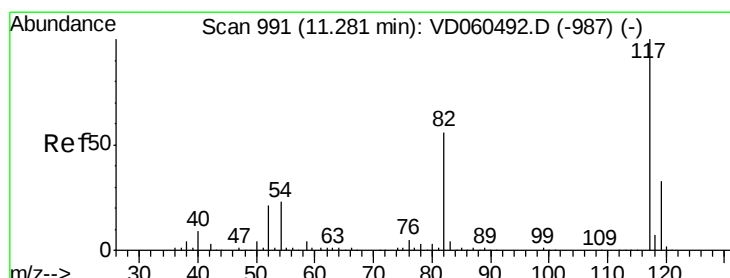
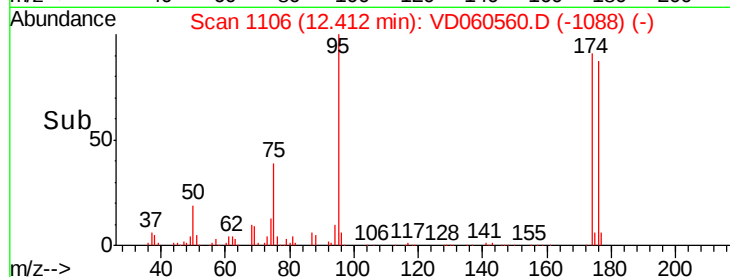
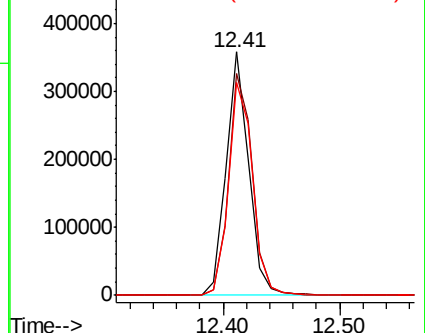
176 87.3 0.0 214.6



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: 11.27 min Scan# 990

Delta R.T. -0.01 min

Lab File: VD060560.D

Acq: 13 Dec 2018 14:49

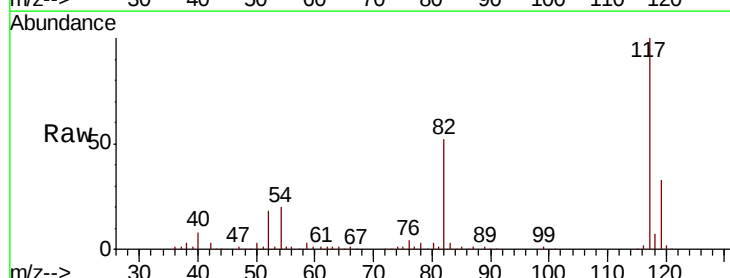
Tgt Ion: 117 Resp: 1439078

Ion Ratio Lower Upper

117 100

82 51.9 45.2 67.8

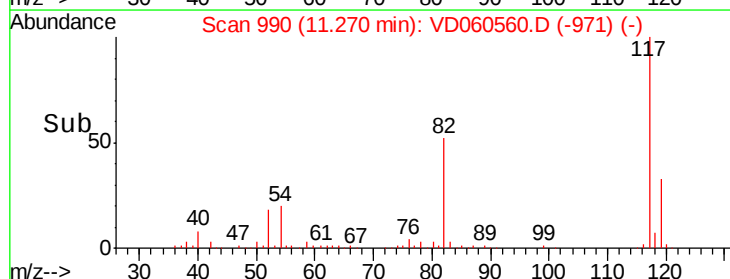
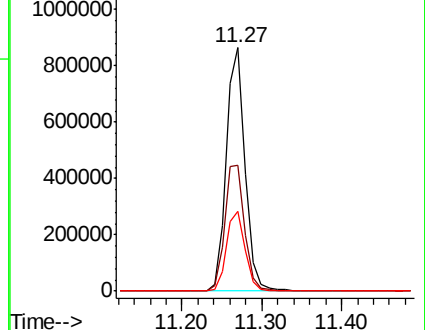
119 32.7 26.1 39.1

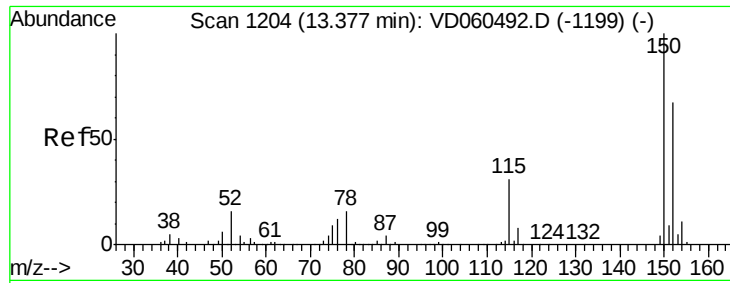


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1202

Delta R.T. -0.02 min

Lab File: VD060560.D

Acq: 13 Dec 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

TN4803-121218

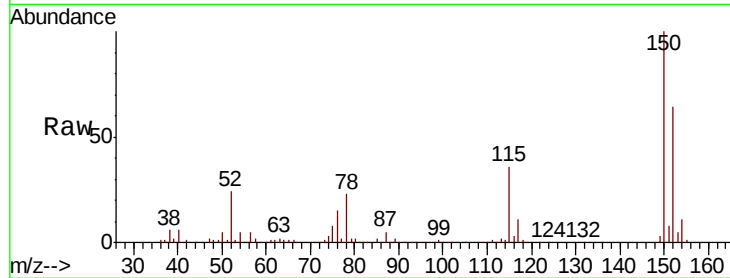
Tgt Ion:152 Resp: 706006

Ion Ratio Lower Upper

152 100

115 56.1 24.6 74.0

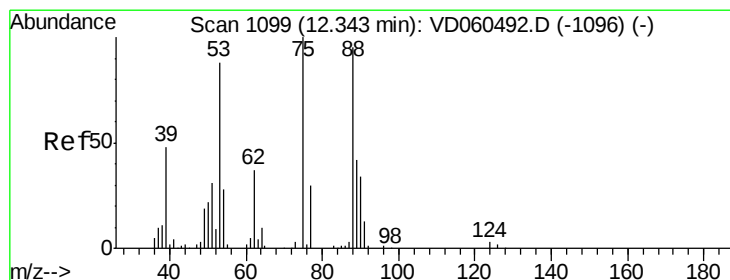
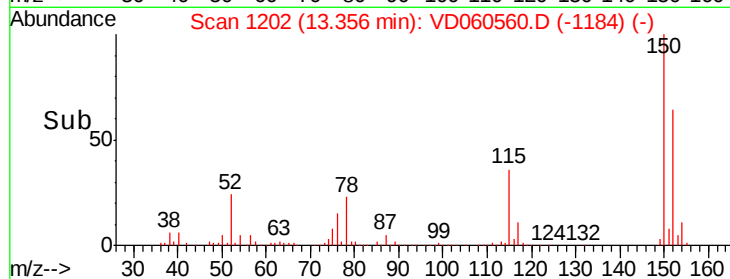
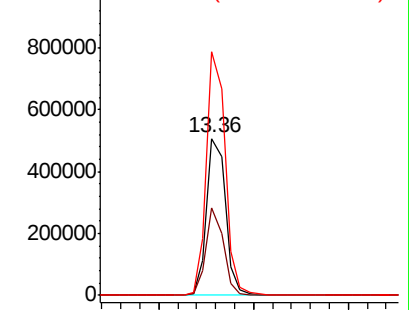
150 155.1 0.0 309.0



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



#81

trans-1,4-Dichloro-2-butene

Concen: 85.053 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.07 min

Lab File: VD060560.D

Acq: 13 Dec 2018 14:49

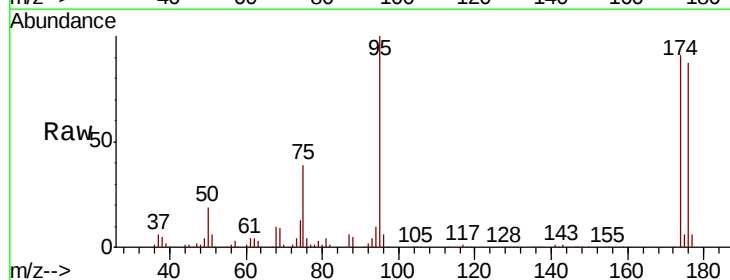
Tgt Ion: 75 Resp: 189762

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 33.6 50.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

