

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD110118\
 Data File : VD060266.D
 Acq On : 1 Nov 2018 17:03
 Operator : VA/AP
 Sample : J5759-13
 Misc : 4.82g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4

Quant Time: Nov 01 17:42:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

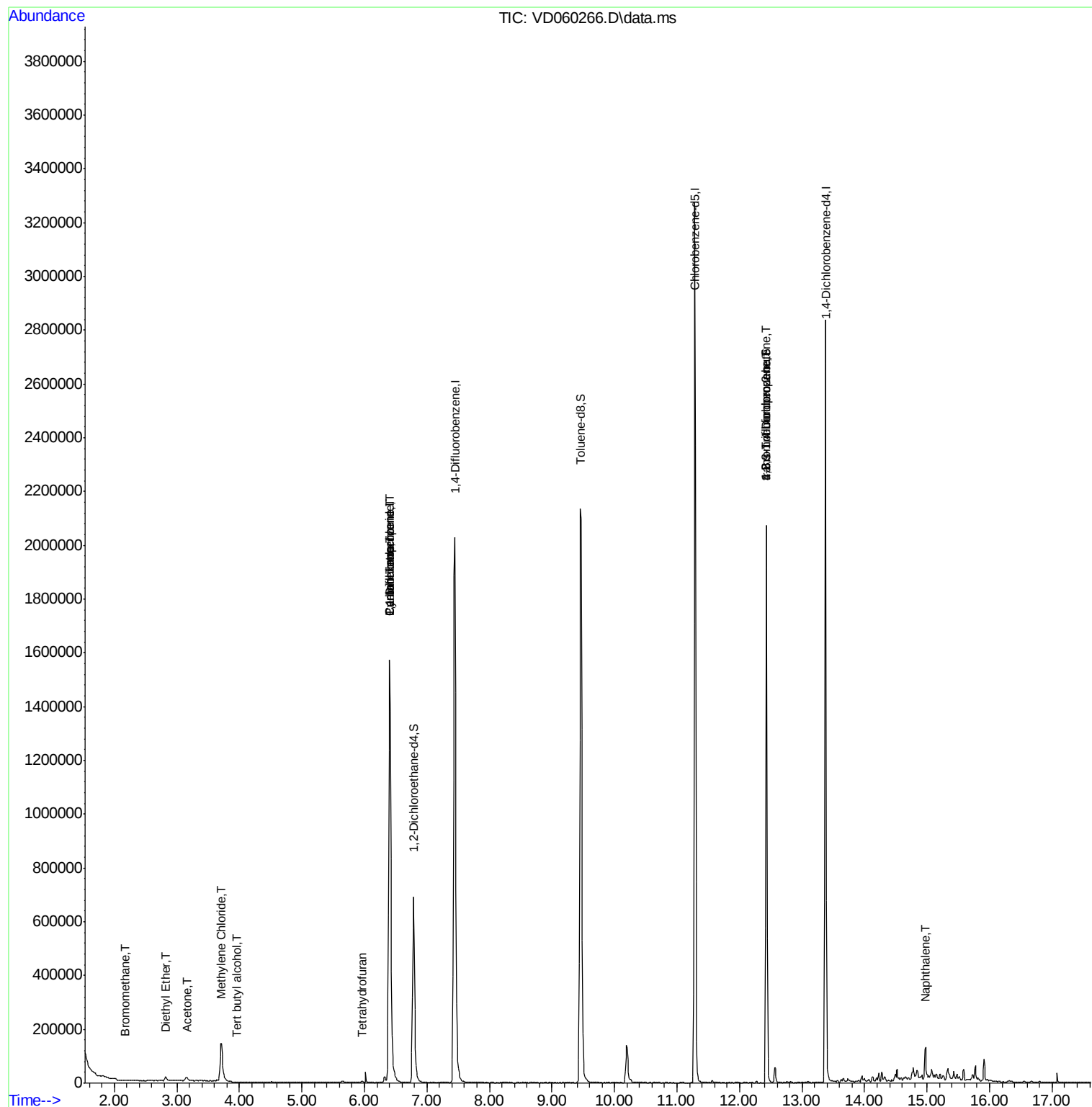
Internal Standards						
1) Pentafluorobenzene	6.403	168	1556707	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.446	114	2197457	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.284	117	1716273	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.380	152	740584	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.787	65	550222	46.63	ug/l	0.03
Spiked Amount	50.000		Recovery	=	93.26%	
35) Dibromofluoromethane	6.324	113	15763	0.94	ug/l	0.03
Spiked Amount	50.000		Recovery	=	1.88%	
50) Toluene-d8	9.454	98	1796756	37.76	ug/l	0.02
Spiked Amount	50.000		Recovery	=	75.52%	
62) 4-Bromofluorobenzene	12.426	95	627005	35.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.38%	
Target Compounds						
						Qvalue
5) Bromomethane	2.171	94	1943	1.43	ug/l #	1
8) Diethyl Ether	2.821	74	5185	1.95	ug/l	97
11) Tert butyl alcohol	3.962	59	894	1.06	ug/l #	74
16) Acetone	3.156	43	31947	14.92	ug/l	96
20) Methylene Chloride	3.707	84	92558	1.30	ug/l	98
29) Tetrahydrofuran	5.960	42	4738	1.52	ug/l #	81
31) Cyclohexane	6.403	56	27637	1.08	ug/l #	1
36) 1,1-Dichloropropene	6.403	75	106780	5.09	ug/l #	45
38) Carbon Tetrachloride	6.403	117	119424	6.27	ug/l #	15
76) 1,2,3-Trichloropropane	12.426	75	250227	23.46	ug/l #	45
81) trans-1,4-Dichloro-2-b...	12.426	75	252505	84.26	ug/l #	13
95) Naphthalene	14.974	128	80090	3.06	ug/l	99

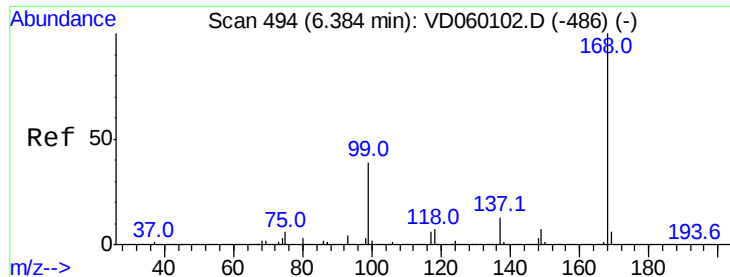
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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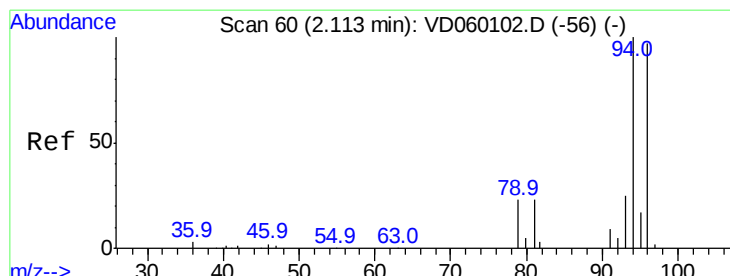
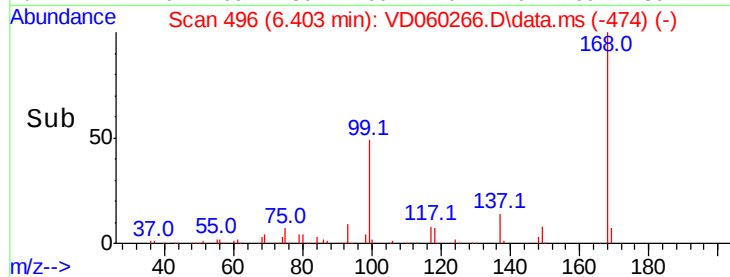
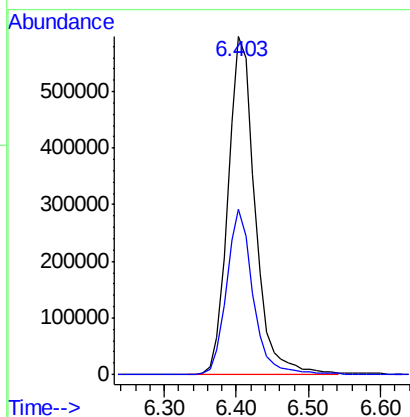
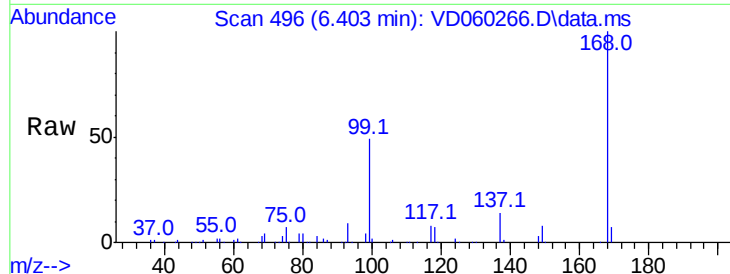




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 6.403 min Scan# 49
Delta R.T. 0.019 min
Lab File: VD060266.D
Acq: 1 Nov 2018 17:03

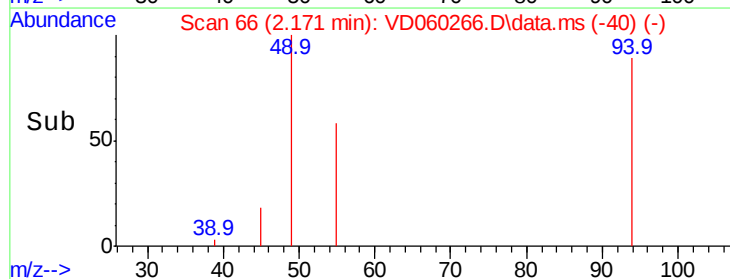
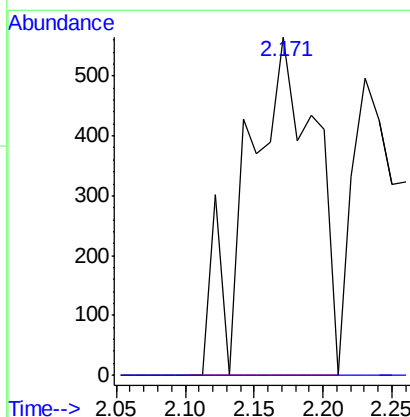
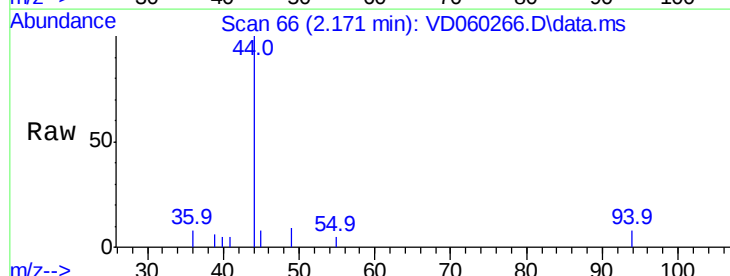
Instrument :
MSVOA_D
ClientSampled :
TP-4

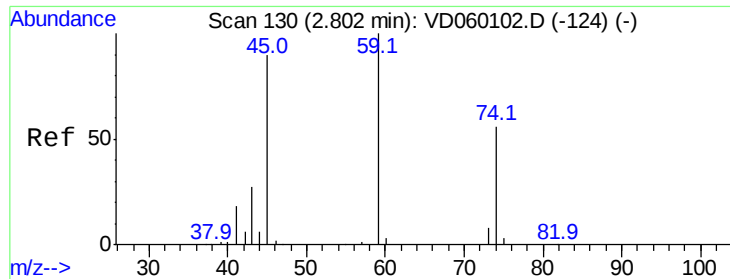
Tot Ion:168 Resp: 1556707
Ion Ratio Lower Upper
168 100
99 48.9 35.4 53.0



#5
Bromomethane
Concen: 1.43 ug/l
RT: 2.171 min Scan# 66
Delta R.T. 0.058 min
Lab File: VD060266.D
Acq: 1 Nov 2018 17:03

Tgt Ion: 94 Resp: 1943
Ion Ratio Lower Upper
94 100
96 0.0 77.4 116.2#





#8

Diethyl Ether

Concen: 1.95 ug/l

RT: 2.821 min Scan# 13

Delta R.T. 0.019 min

Lab File: VD060266.D

Acq: 1 Nov 2018 17:03

Instrument :

MSVOA_D

ClientSampleId :

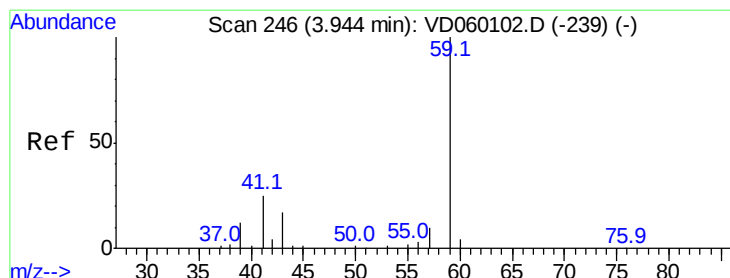
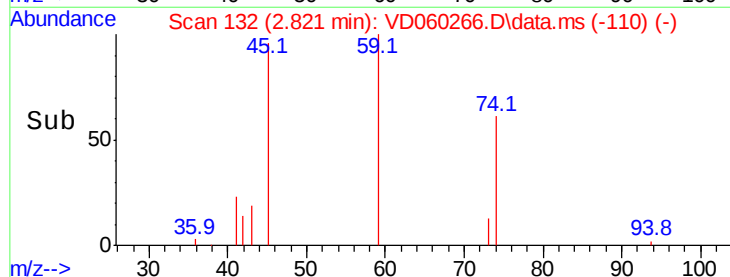
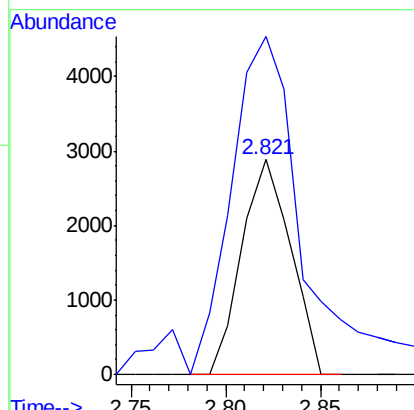
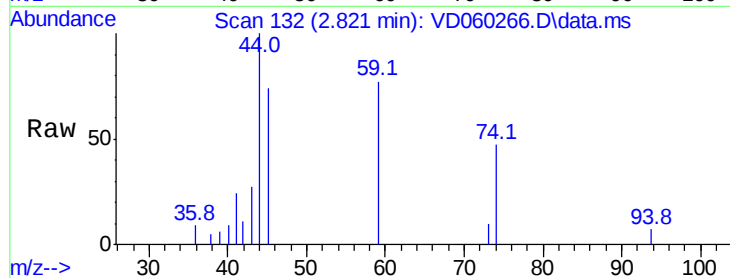
TP-4

Tot Ion: 74 Resp: 5185

Ion Ratio Lower Upper

74 100

45 157.2 80.3 241.0



#11

Tert butyl alcohol

Concen: 1.06 ug/l

RT: 3.962 min Scan# 248

Delta R.T. 0.019 min

Lab File: VD060266.D

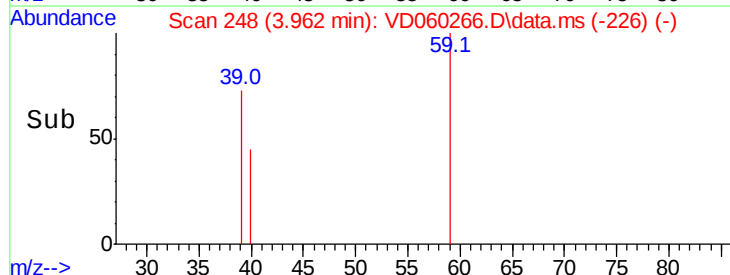
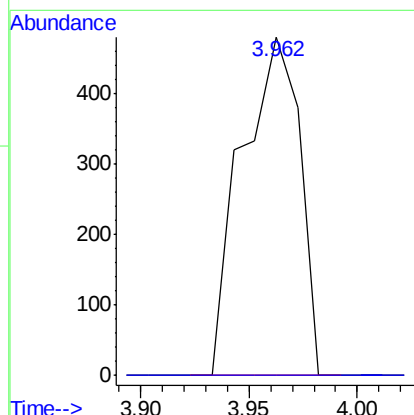
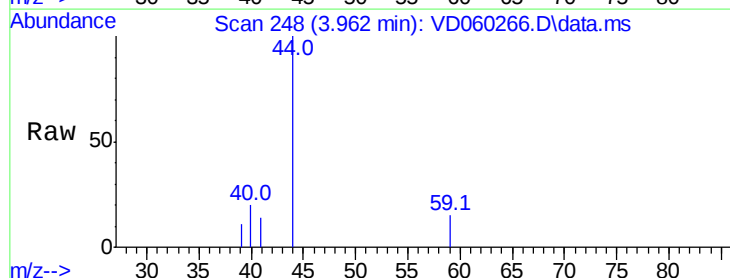
Acq: 1 Nov 2018 17:03

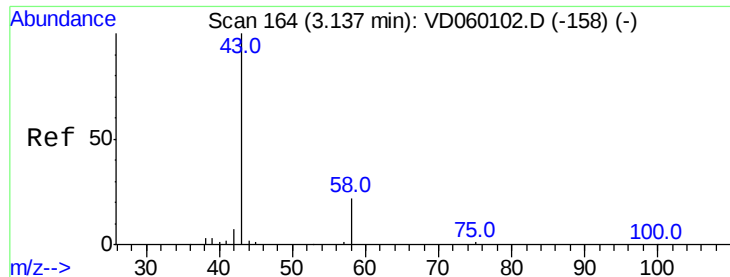
Tgt Ion: 59 Resp: 894

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#





#16

Acetone

Concen: 14.92 ug/l

RT: 3.156 min Scan# 16

Delta R.T. 0.019 min

Lab File: VD060266.D

Acq: 1 Nov 2018 17:03

Instrument :

MSVOA_D

ClientSampleId :

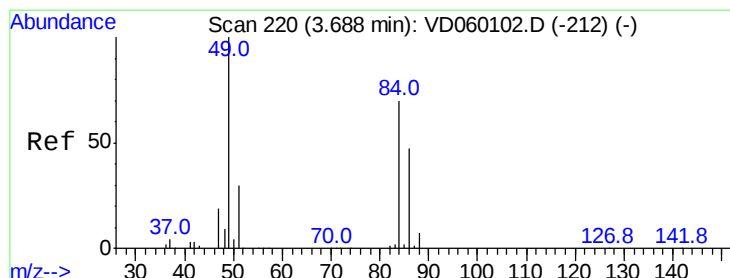
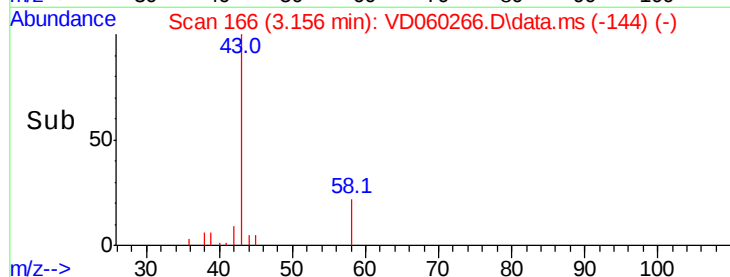
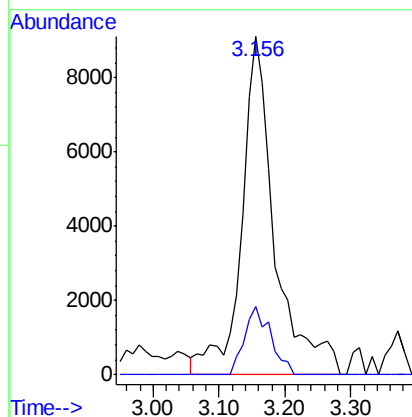
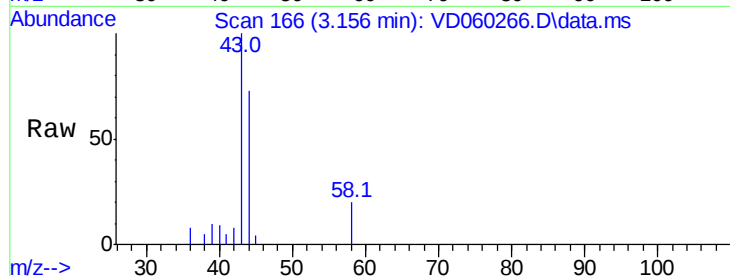
TP-4

Tot Ion: 43 Resp: 31947

Ion Ratio Lower Upper

43 100

58 20.2 17.7 26.5



#20

Methylene Chloride

Concen: 1.30 ug/l

RT: 3.707 min Scan# 222

Delta R.T. 0.020 min

Lab File: VD060266.D

Acq: 1 Nov 2018 17:03

Tgt Ion: 84 Resp: 92558

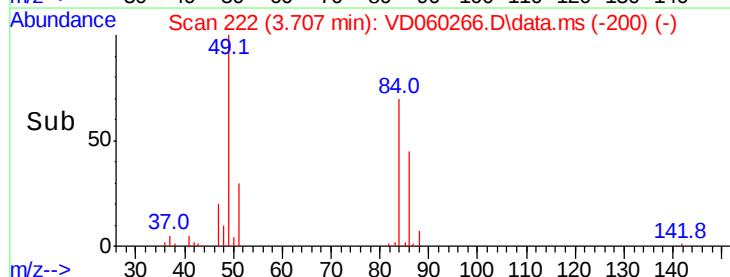
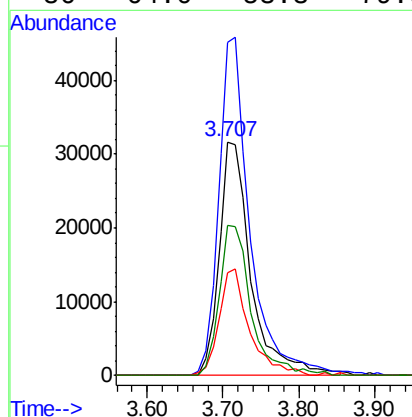
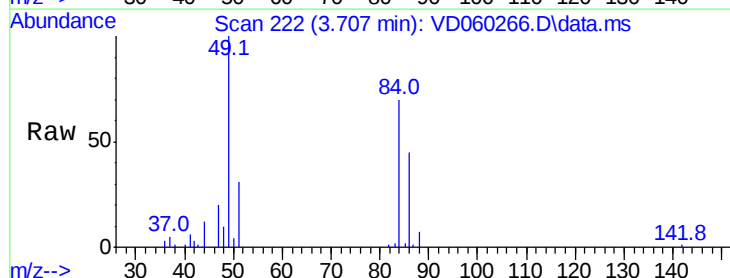
Ion Ratio Lower Upper

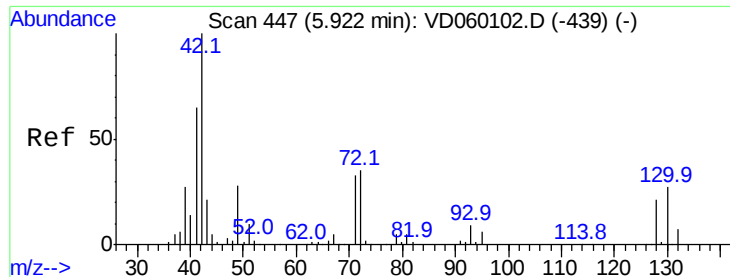
84 100

49 142.5 114.6 172.0

51 44.1 33.8 50.8

86 64.0 53.3 79.9





#29

Tetrahydrofuran

Concen: 1.52 ug/l

RT: 5.960 min Scan# 451

Delta R.T. 0.038 min

Lab File: VD060266.D

Acq: 1 Nov 2018 17:03

Instrument :

MSVOA_D

ClientSampled :

TP-4

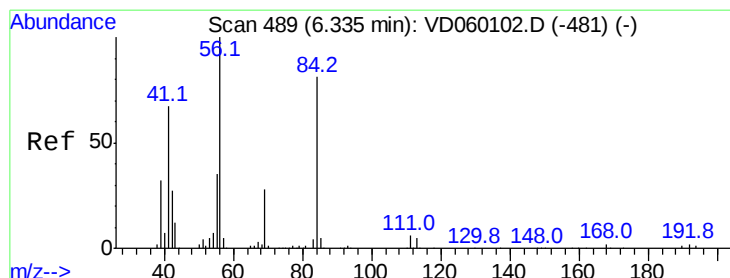
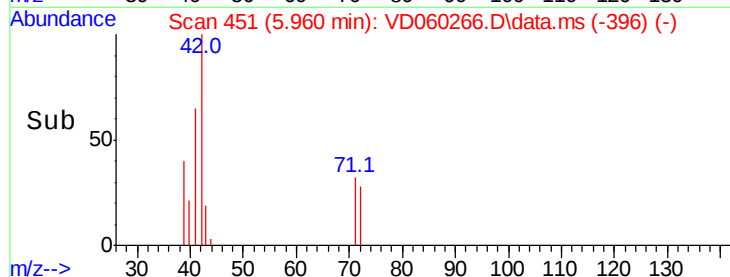
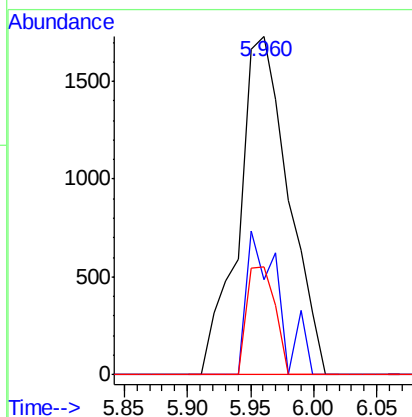
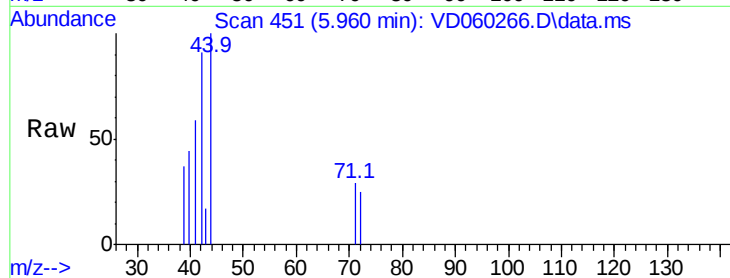
Tot Ion: 42 Resp: 4738

Ion Ratio Lower Upper

42 100

72 27.1 26.9 40.3

71 18.1 26.7 40.1#



#31

Cyclohexane

Concen: 1.08 ug/l

RT: 6.403 min Scan# 496

Delta R.T. 0.068 min

Lab File: VD060266.D

Acq: 1 Nov 2018 17:03

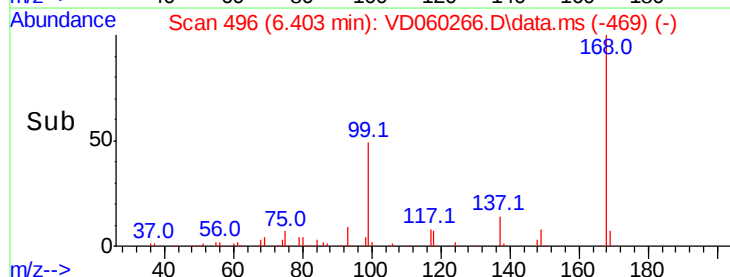
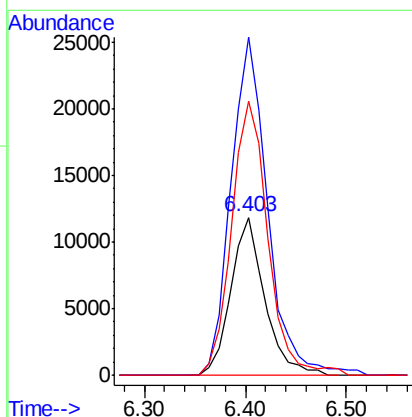
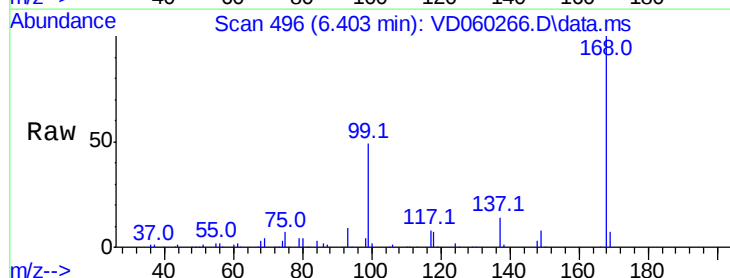
Tgt Ion: 56 Resp: 27637

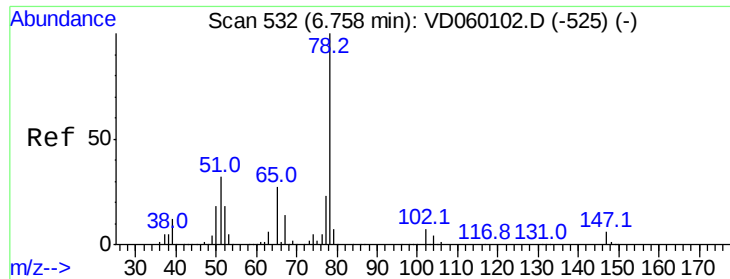
Ion Ratio Lower Upper

56 100

69 214.2 22.8 34.2#

84 173.8 64.9 97.3#

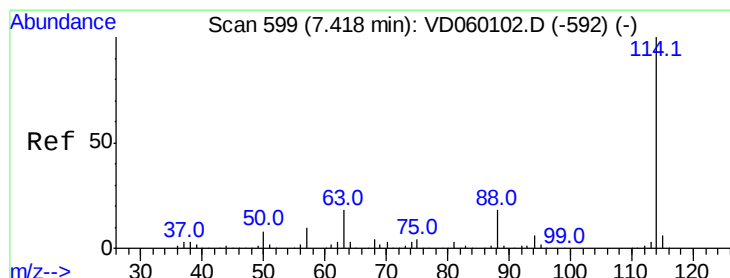
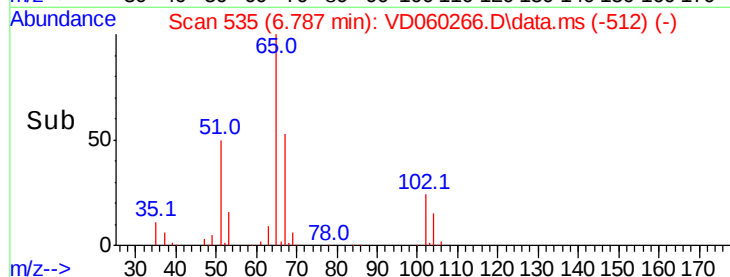
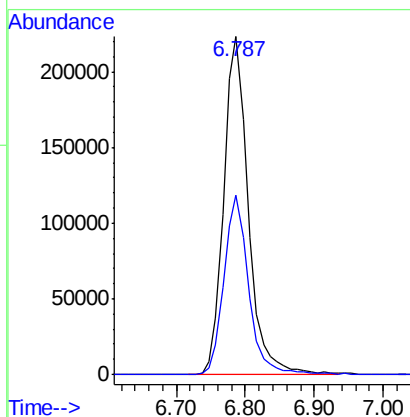
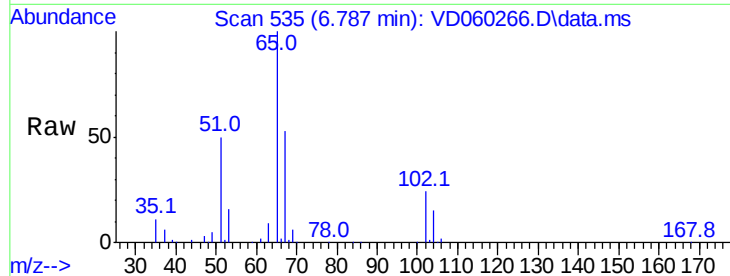




#33
 1,2-Dichloroethane-d4
 Concen: 46.63 ug/l
 RT: 6.787 min Scan# 531
 Delta R.T. 0.029 min
 Lab File: VD060266.D
 Acq: 1 Nov 2018 17:03

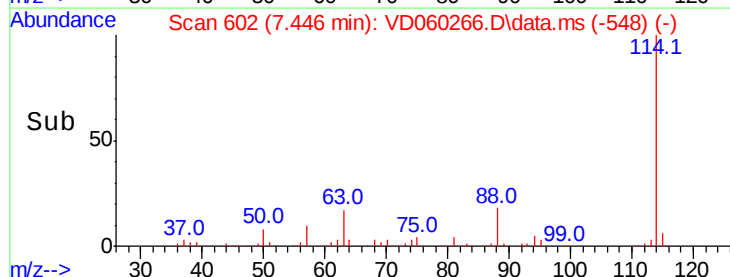
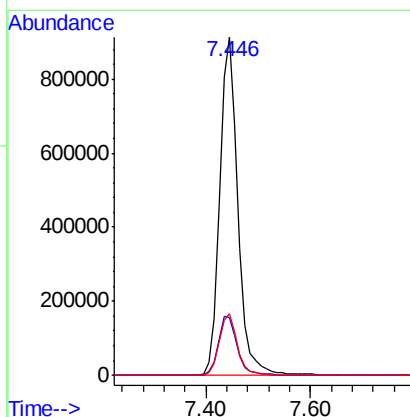
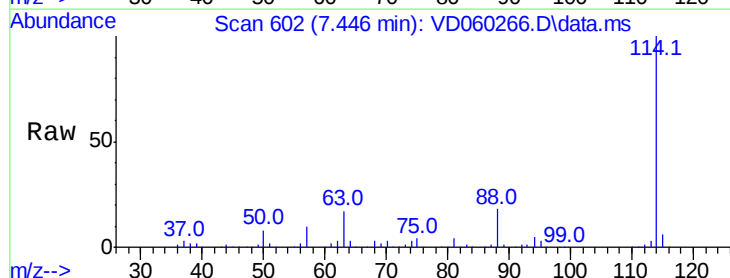
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4

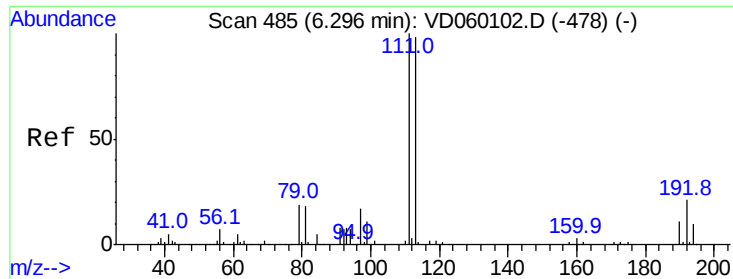
Tot Ion: 65 Resp: 550222
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.446 min Scan# 602
 Delta R.T. 0.029 min
 Lab File: VD060266.D
 Acq: 1 Nov 2018 17:03

Tgt Ion: 114 Resp: 2197457
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 36.0
 88 18.1 0.0 36.2

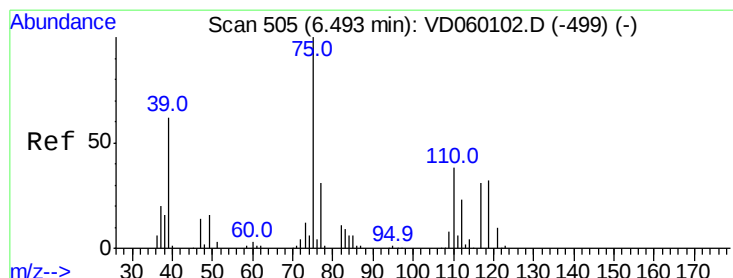
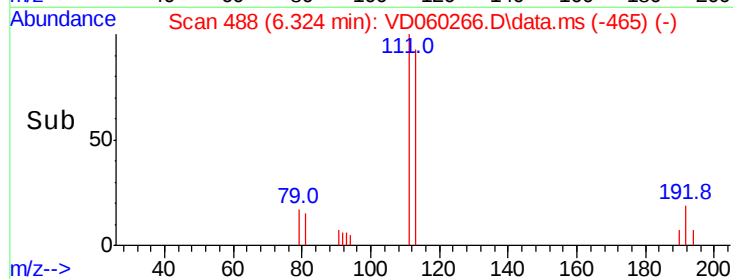
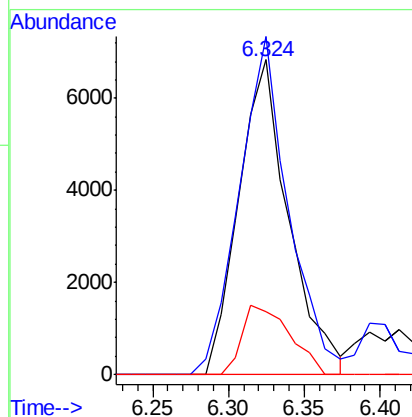
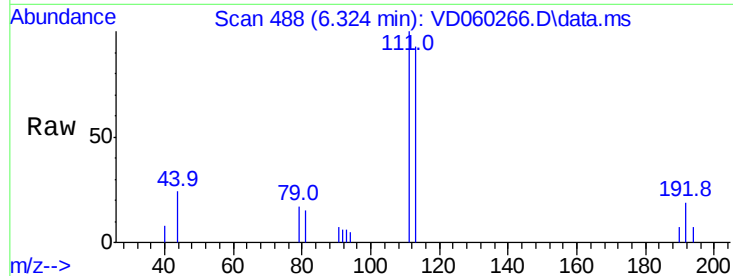




#35
 Dibromofluoromethane
 Concen: 0.94 ug/l
 RT: 6.324 min Scan# 48
 Delta R.T. 0.029 min
 Lab File: VD060266.D
 Acq: 1 Nov 2018 17:03

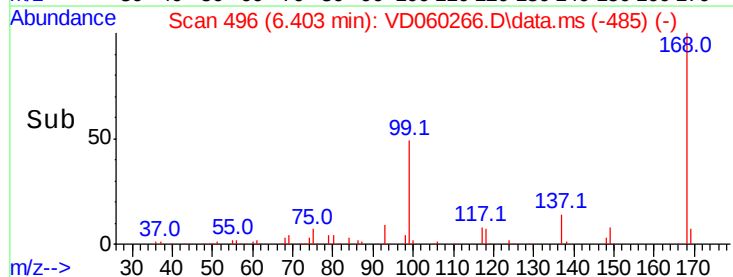
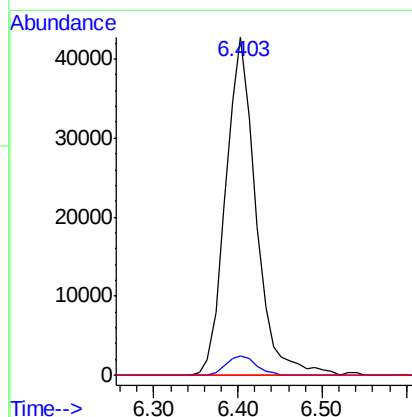
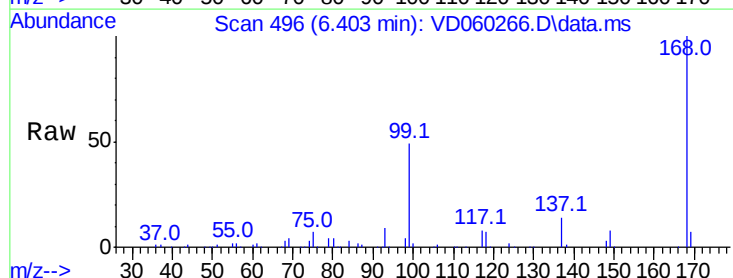
Instrument :
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 ClientSampleId :
 TP-4

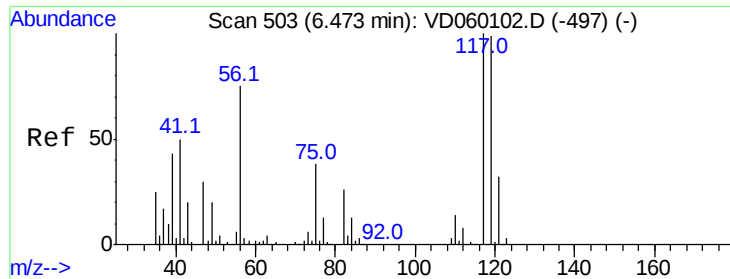
Tot Ion:113 Resp: 15763
 Ion Ratio Lower Upper
 113 100
 111 107.1 81.5 122.3
 192 19.9 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 5.09 ug/l
 RT: 6.403 min Scan# 496
 Delta R.T. -0.090 min
 Lab File: VD060266.D
 Acq: 1 Nov 2018 17:03

Tgt Ion: 75 Resp: 106780
 Ion Ratio Lower Upper
 75 100
 110 5.9 19.0 57.0#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.27 ug/l

RT: 6.403 min Scan# 49

Delta R.T. -0.070 min

Lab File: VD060266.D

Acq: 1 Nov 2018 17:03

Instrument :

MSVOA_D

ClientSampled :

TP-4

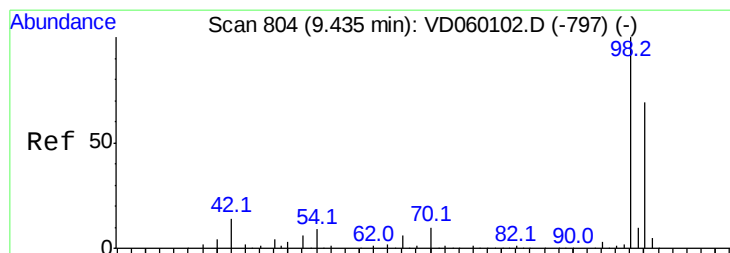
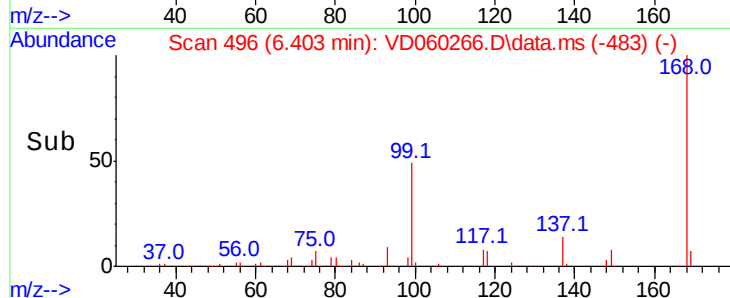
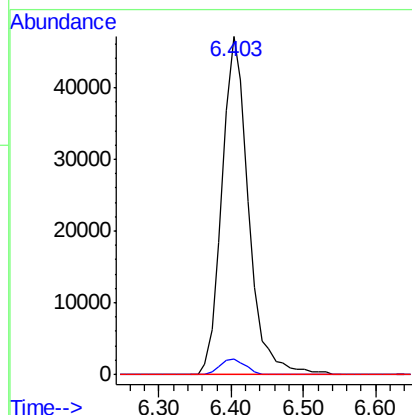
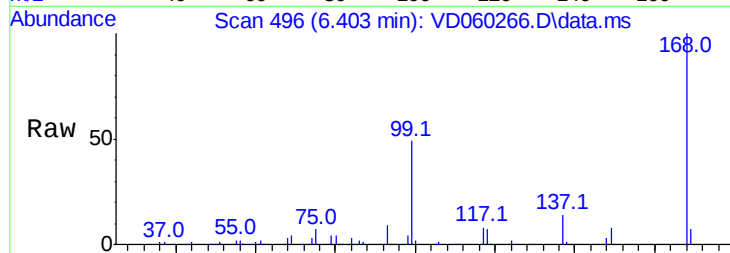
Tot Ion:117 Resp: 119424

Ion Ratio Lower Upper

117 100

119 4.7 77.8 116.6#

121 0.0 24.8 37.2#



#50

Toluene-d8

Concen: 37.76 ug/l

RT: 9.454 min Scan# 806

Delta R.T. 0.019 min

Lab File: VD060266.D

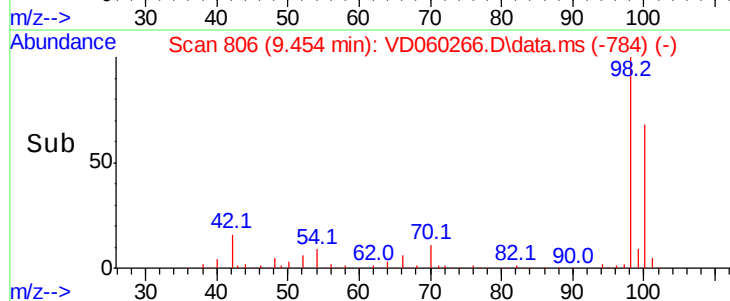
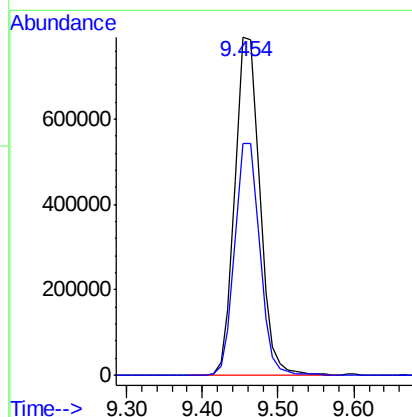
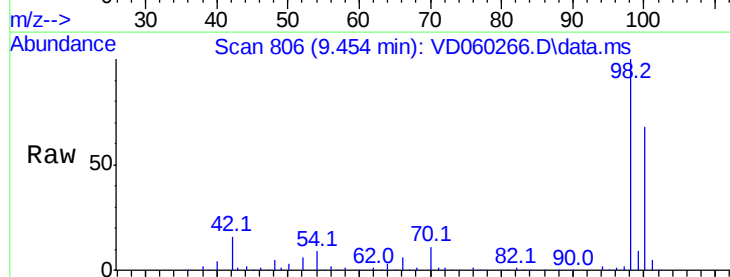
Acq: 1 Nov 2018 17:03

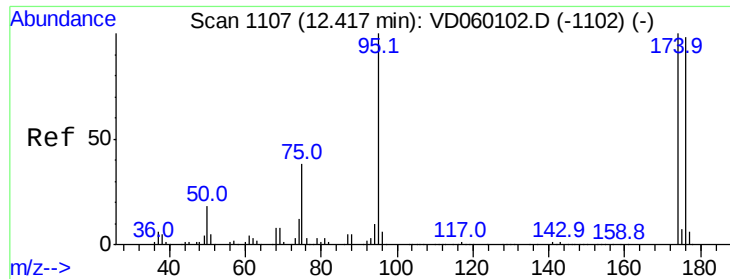
Tgt Ion: 98 Resp: 1796756

Ion Ratio Lower Upper

98 100

100 68.4 55.4 83.0

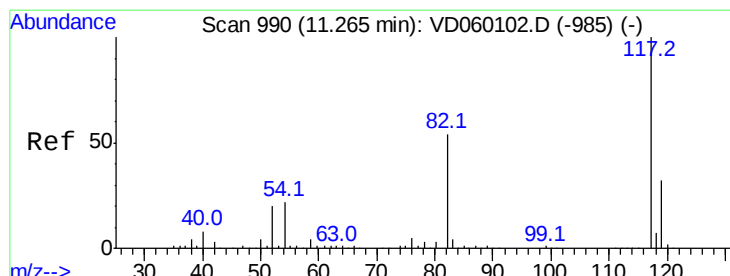
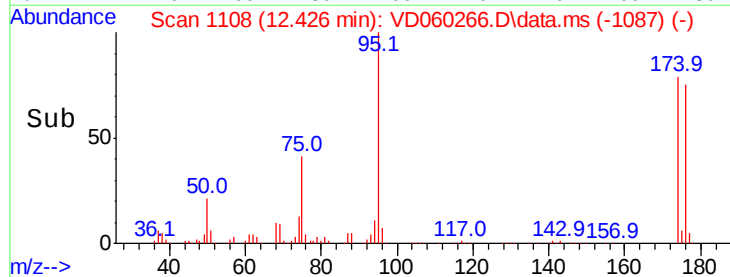
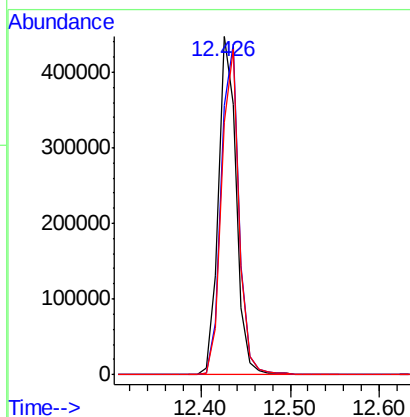
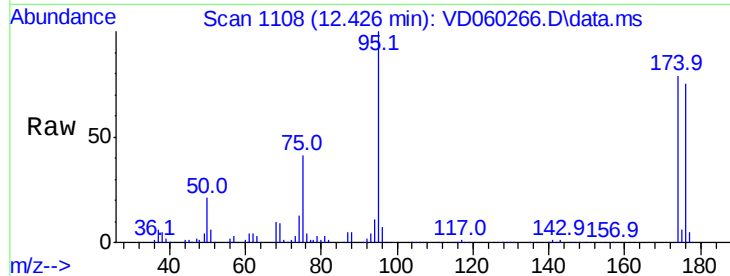




#62
 4-Bromofluorobenzene
 Concen: 35.19 ug/l
 RT: 12.426 min Scan# 1107
 Delta R.T. 0.009 min
 Lab File: VD060266.D
 Acq: 1 Nov 2018 17:03

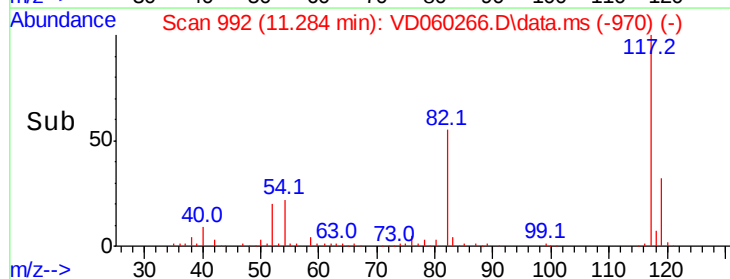
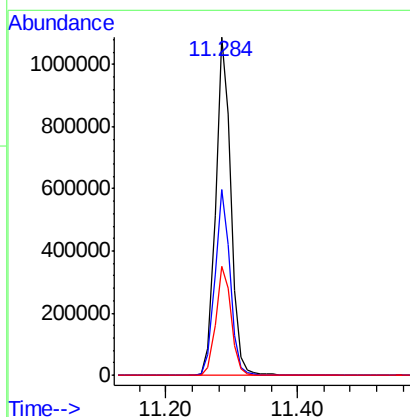
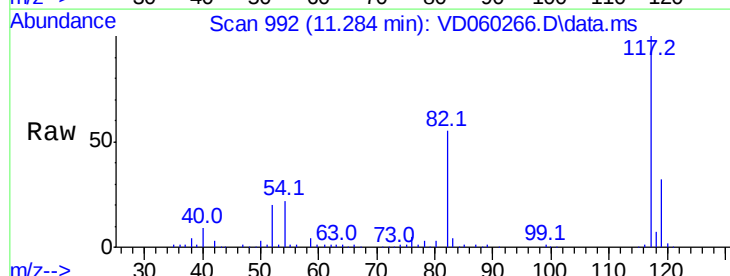
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4

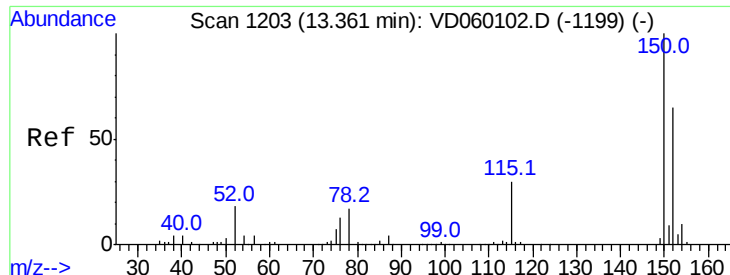
Tot Ion: 95 Resp: 627005
 Ion Ratio Lower Upper
 95 100
 174 79.4 0.0 200.2
 176 74.8 0.0 195.6



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.284 min Scan# 992
 Delta R.T. 0.019 min
 Lab File: VD060266.D
 Acq: 1 Nov 2018 17:03

Tgt Ion: 117 Resp: 1716273
 Ion Ratio Lower Upper
 117 100
 82 54.9 43.4 65.2
 119 32.1 26.0 39.0

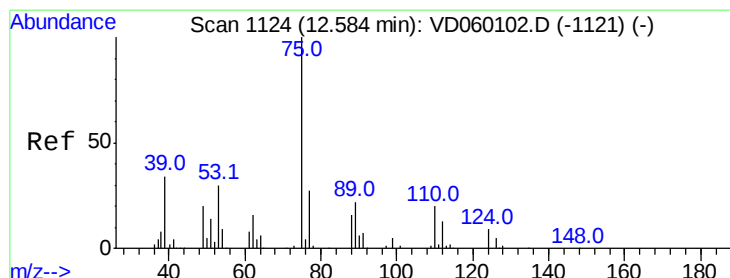
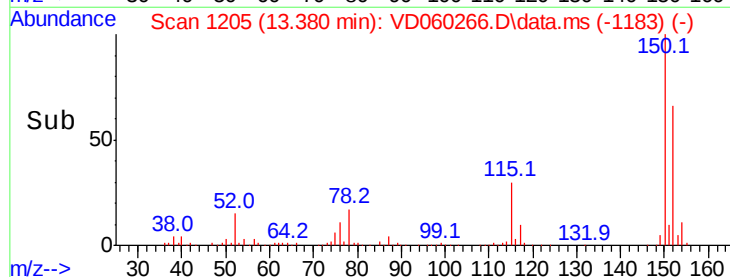
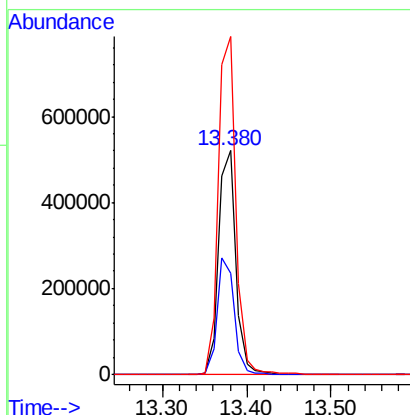
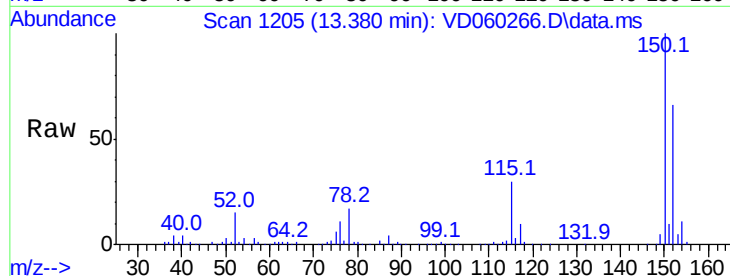




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.380 min Scan# 1205
 Delta R.T. 0.019 min
 Lab File: VD060266.D
 Acq: 1 Nov 2018 17:03

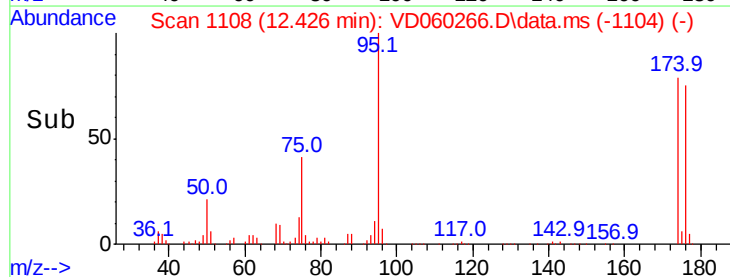
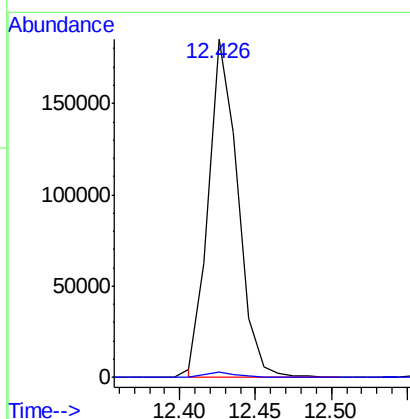
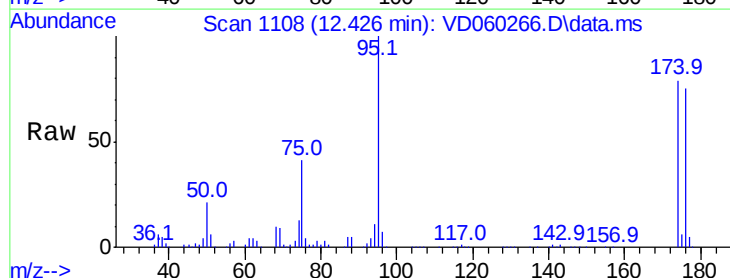
Instrument :
 MSVOA_D
 ClientSampled :
 TP-4

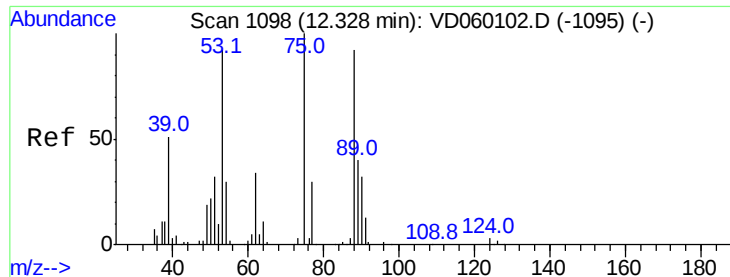
Tot Ion:152 Resp: 740584
 Ion Ratio Lower Upper
 152 100
 115 45.2 27.1 81.2
 150 150.8 0.0 311.8



#76
 1,2,3-Trichloropropane
 Concen: 23.46 ug/l
 RT: 12.426 min Scan# 1108
 Delta R.T. -0.158 min
 Lab File: VD060266.D
 Acq: 1 Nov 2018 17:03

Tgt Ion: 75 Resp: 250227
 Ion Ratio Lower Upper
 75 100
 77 1.5 16.3 48.9#

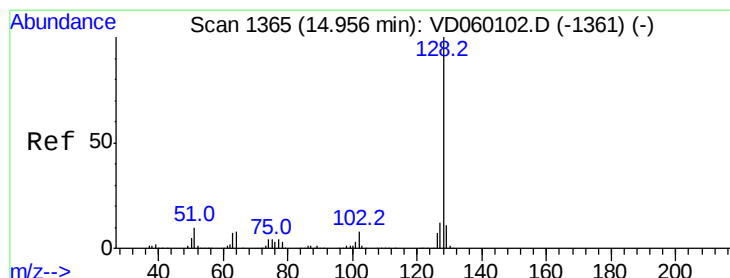
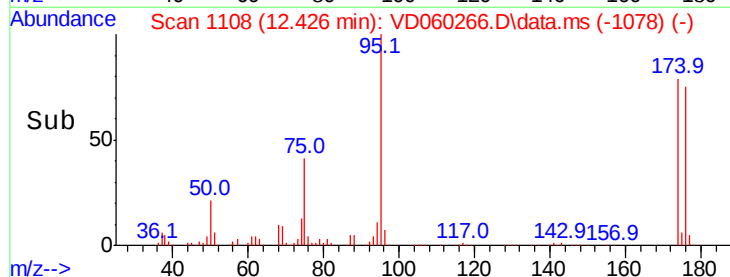
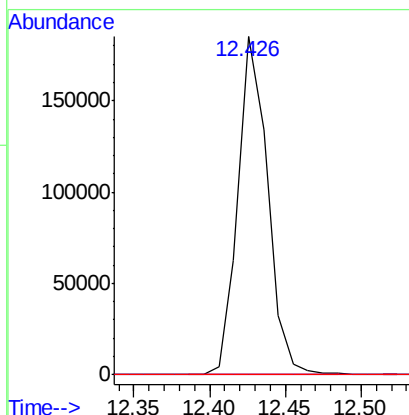
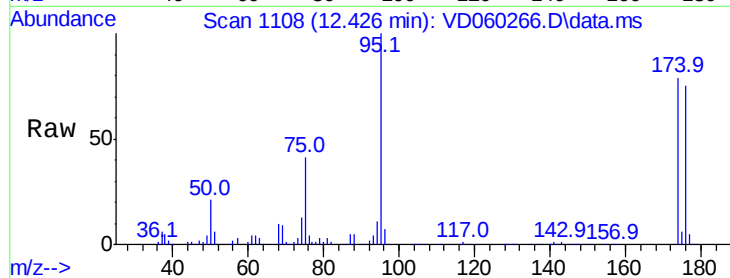




#81
trans-1,4-Dichloro-2-butene
Concen: 84.26 ug/l
RT: 12.426 min Scan# 1108
Delta R.T. 0.097 min
Lab File: VD060266.D
Acq: 1 Nov 2018 17:03

Instrument :
MSVOA_D
ClientSampleId :
TP-4

Tot Ion: 75 Resp: 252505
Ion Ratio Lower Upper
75 100
53 0.0 73.0 109.6#
89 0.0 32.0 48.0#



#95
Naphthalene
Concen: 3.06 ug/l
RT: 14.974 min Scan# 1367
Delta R.T. 0.019 min
Lab File: VD060266.D
Acq: 1 Nov 2018 17:03

Tgt Ion: 128 Resp: 80090
Ion Ratio Lower Upper
128 100
127 13.2 9.9 14.9
129 10.9 8.8 13.2

