

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091918\
 Data File : VD060037.D
 Acq On : 19 Sep 2018 11:15
 Operator : JC/SY
 Sample : VD0919SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 20 05:42:11 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	6.41	168	1593555	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.45	114	2181962	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1785508	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	949529	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	700713	56.39	ug/l	0.03
Spiked Amount			Recovery	=	112.78%	
35) Dibromofluoromethane	6.33	113	905813	53.14	ug/l	0.03
Spiked Amount			Recovery	=	106.28%	
50) Toluene-d8	9.46	98	2536529	53.69	ug/l	0.02
Spiked Amount			Recovery	=	107.38%	
62) 4-Bromofluorobenzene	12.43	95	977544	54.16	ug/l	0.01
Spiked Amount			Recovery	=	108.32%	

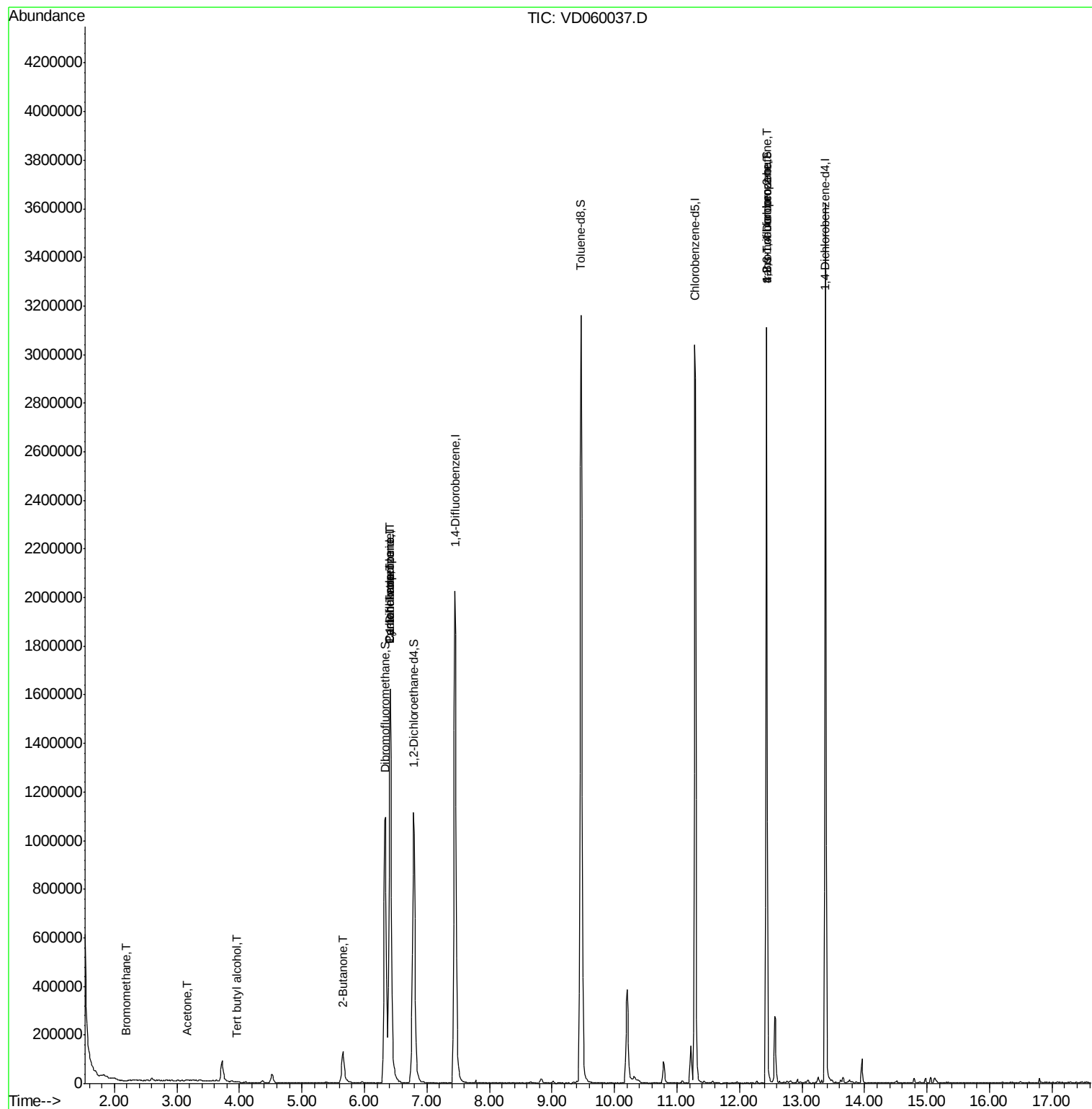
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	2047	1.45	ug/l #	1
11) Tert butyl alcohol	3.97	59	3553	3.54	ug/l #	74
16) Acetone	3.16	43	11282	4.70	ug/l	98
20) Methylene Chloride	3.73	84	49274	Below Cal		96
25) 2-Butanone	5.66	43	13898	2.15	ug/l #	61
31) Cyclohexane	6.40	56	30832	1.12	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	109967	5.07	ug/l #	46
38) Carbon Tetrachloride	6.41	117	124397	6.15	ug/l #	16
51) 4-Methyl-2-Pentanone	9.35	43	6505	Below Cal		96
59) 2-Hexanone	10.50	43	1810	Below Cal		78
76) 1,2,3-Trichloropropane	12.43	75	383107	26.42	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.43	75	388549	88.76	ug/l #	15
89) n-Butylbenzene	13.65	91	4679	Below Cal		71
91) 1,2-Dichlorobenzene	13.67	146	3471	Below Cal		89

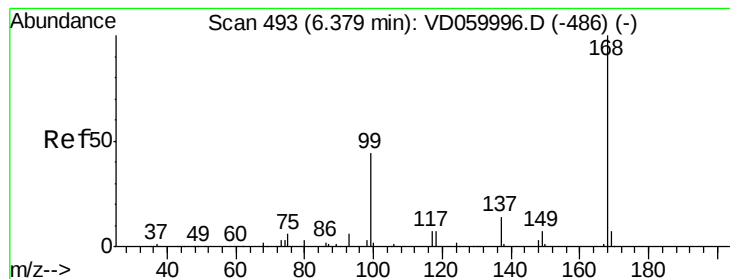
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.41 min Scan# 497

Delta R.T. 0.03 min

Lab File: VD060037.D

Acq: 19 Sep 2018 11:15

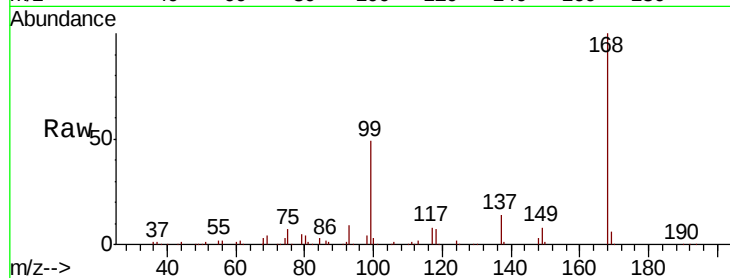
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1593555

Ion Ratio Lower Upper

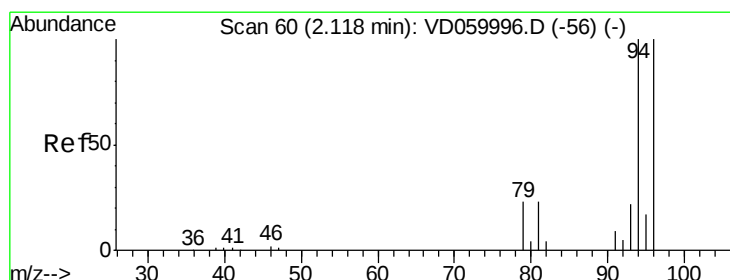
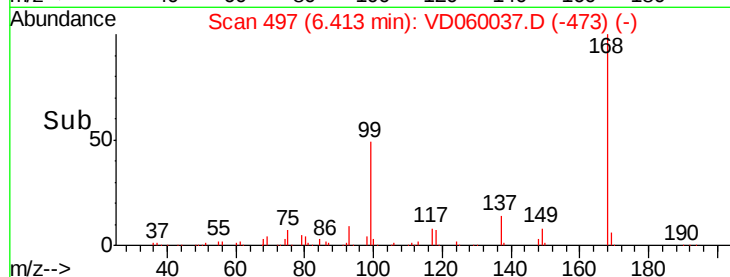
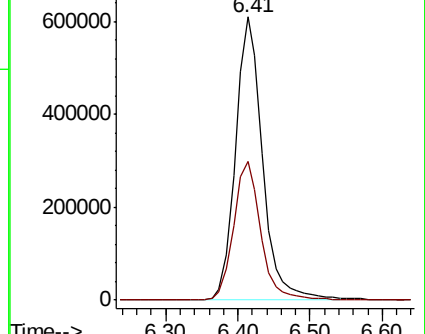
168 100

99 48.9 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.45 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.05 min

Lab File: VD060037.D

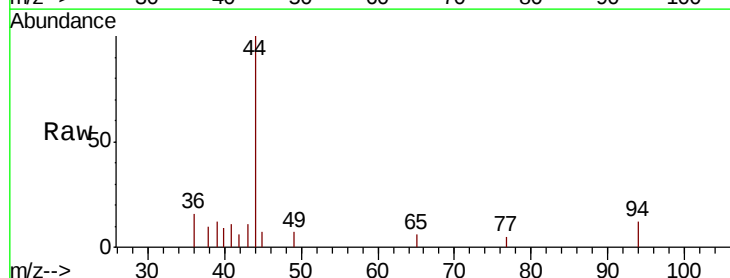
Acq: 19 Sep 2018 11:15

Tgt Ion: 94 Resp: 2047

Ion Ratio Lower Upper

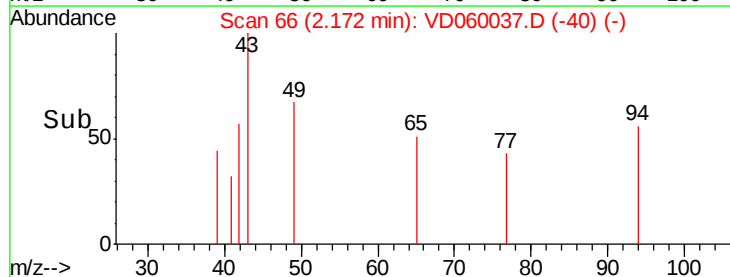
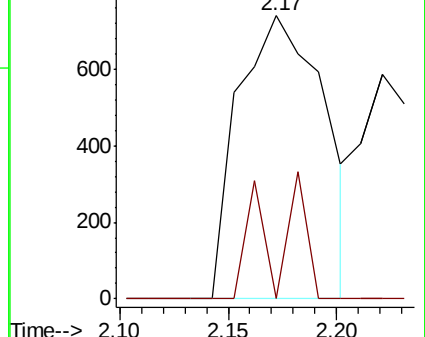
94 100

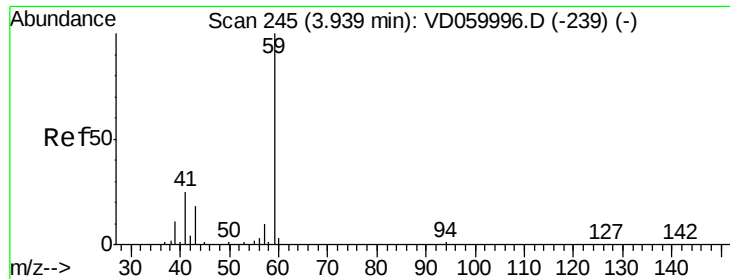
96 0.0 79.8 119.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

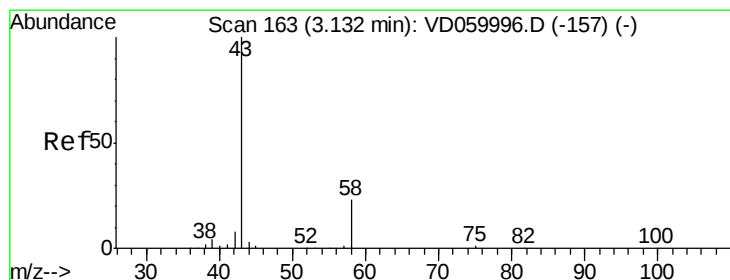
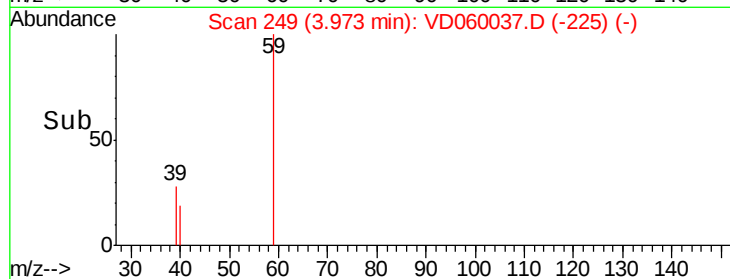
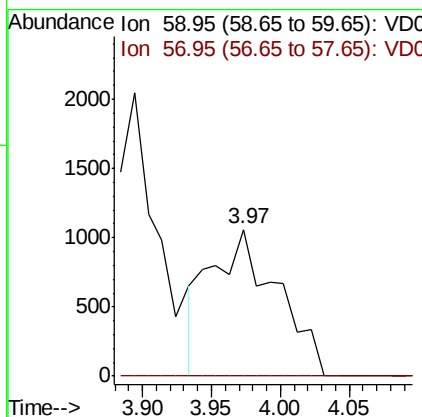
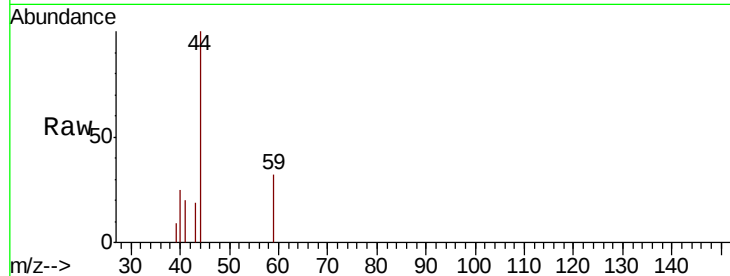




#11
Tert butyl alcohol
Concen: 3.54 ug/l
RT: 3.97 min Scan# 249
Delta R.T. 0.03 min
Lab File: VD060037.D
Acq: 19 Sep 2018 11:15

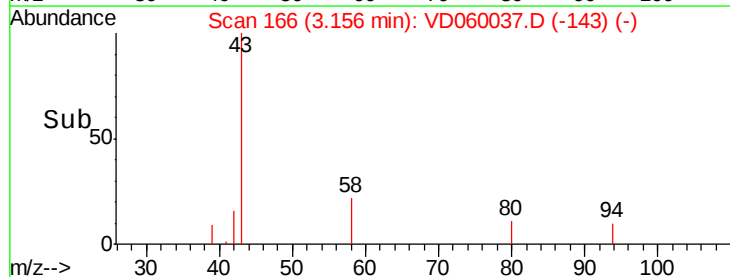
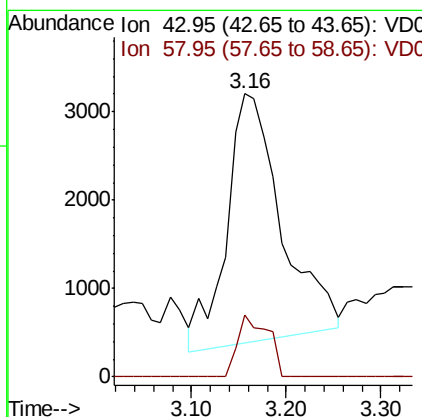
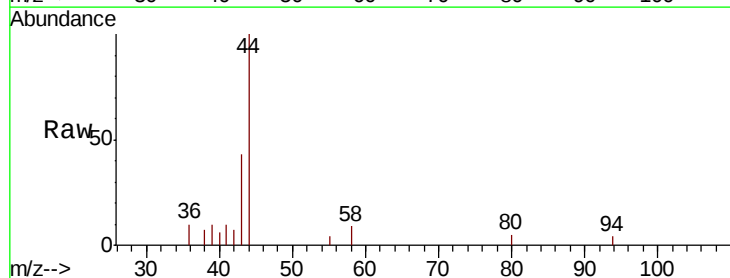
Instrument :
MSVOA_D
ClientSampled :

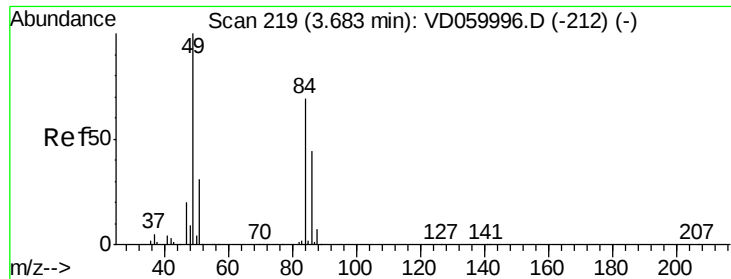
Tot Ion: 59 Resp: 3553
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 4.70 ug/l
RT: 3.16 min Scan# 166
Delta R.T. 0.02 min
Lab File: VD060037.D
Acq: 19 Sep 2018 11:15

Tgt Ion: 43 Resp: 11282
Ion Ratio Lower Upper
43 100
58 21.7 18.1 27.1

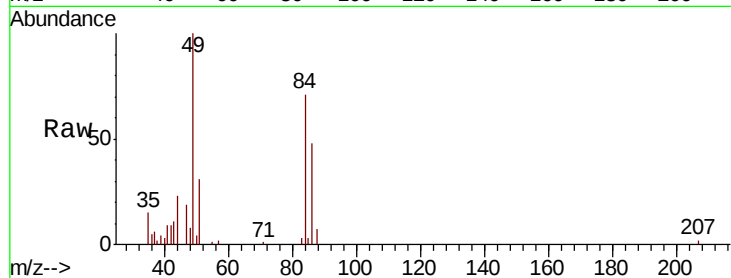




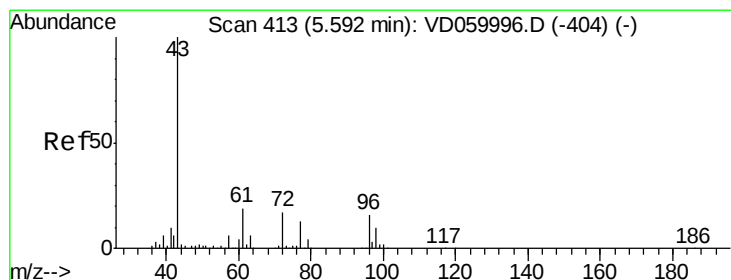
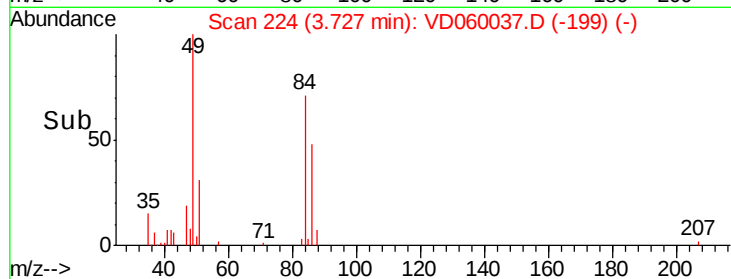
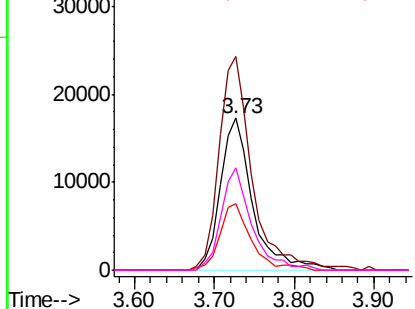
#20
Methylene Chloride
Concen: Below Cal
RT: 3.73 min Scan# 224
Delta R.T. 0.04 min
Lab File: VD060037.D
Acq: 19 Sep 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 49274
Ion Ratio Lower Upper
84 100
49 140.4 116.6 175.0
51 43.8 35.9 53.9
86 67.4 51.8 77.6

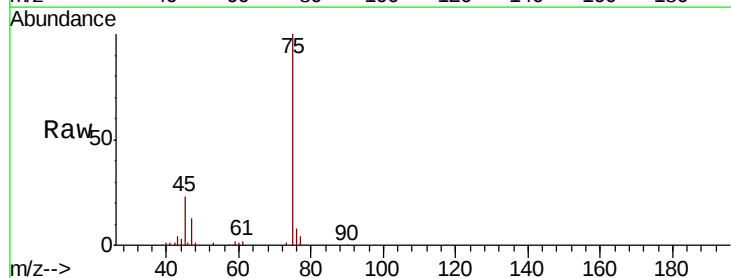


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

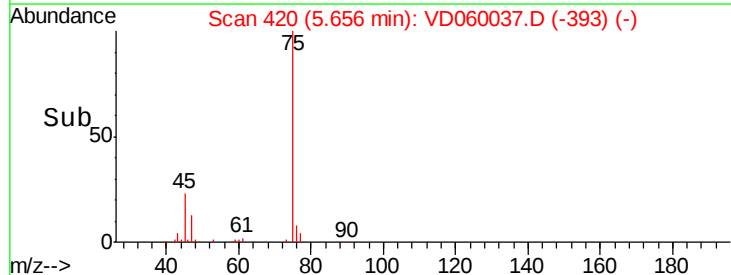
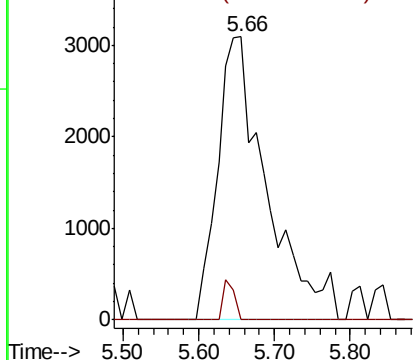


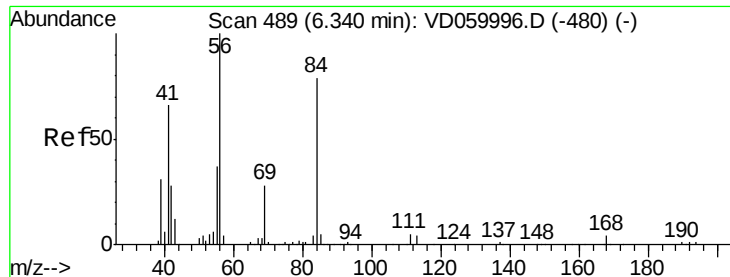
#25
2-Butanone
Concen: 2.15 ug/l
RT: 5.66 min Scan# 420
Delta R.T. 0.06 min
Lab File: VD060037.D
Acq: 19 Sep 2018 11:15

Tgt Ion: 43 Resp: 13898
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

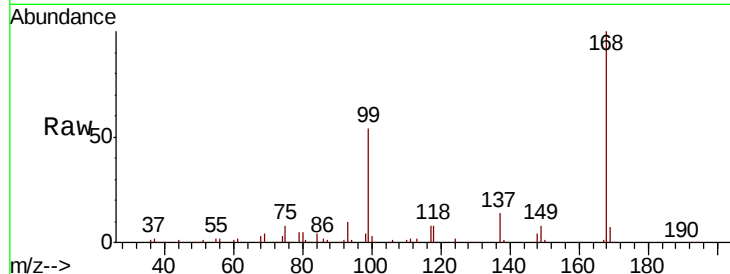




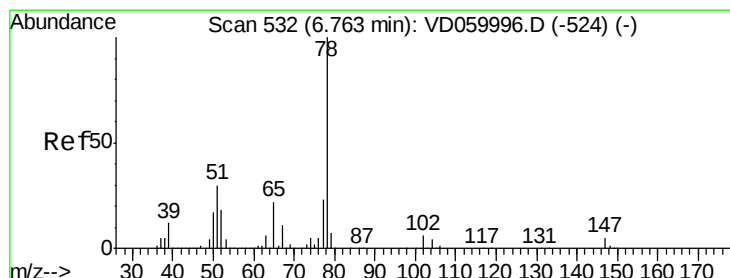
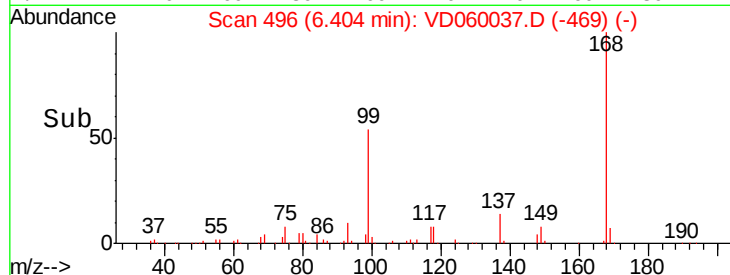
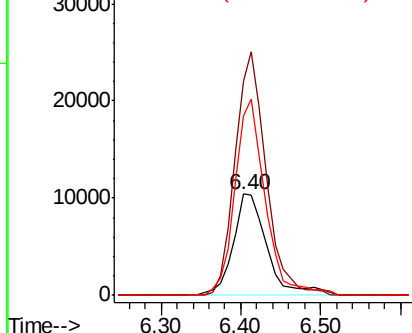
#31
Cyclohexane
Concen: 1.12 ug/l
RT: 6.40 min Scan# 496
Delta R.T. 0.06 min
Lab File: VD060037.D
Acq: 19 Sep 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 30832
Ion Ratio Lower Upper
56 100
69 211.6 22.7 34.1#
84 177.5 64.0 96.0#

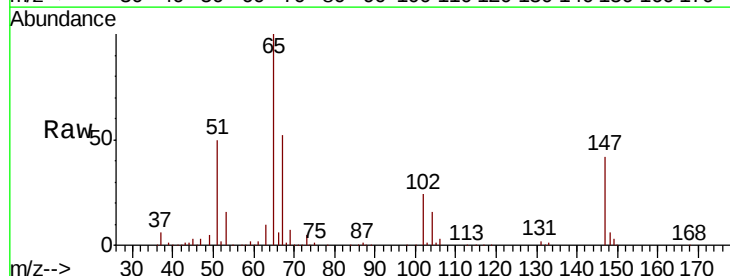


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

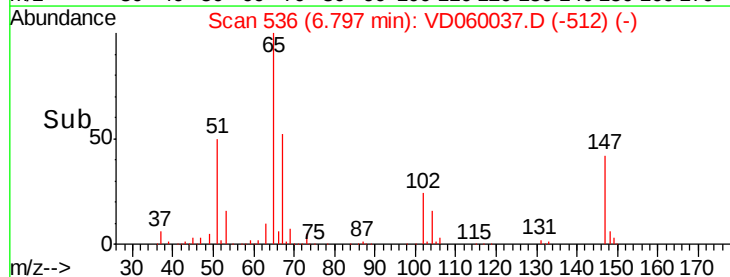
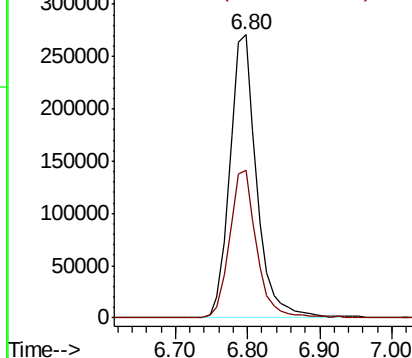


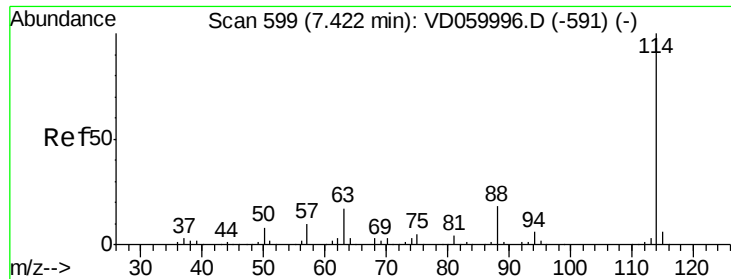
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.03 min
Lab File: VD060037.D
Acq: 19 Sep 2018 11:15

Tgt Ion: 65 Resp: 700713
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.8



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

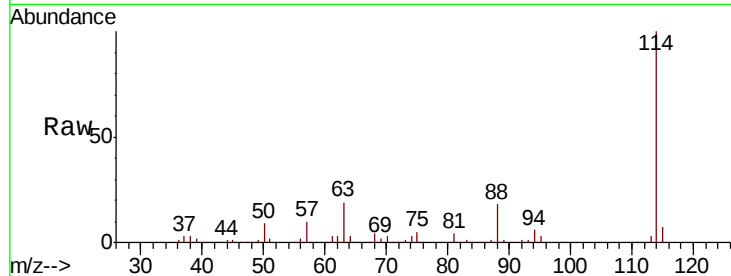




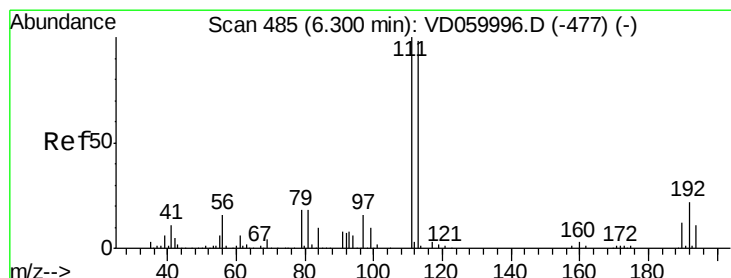
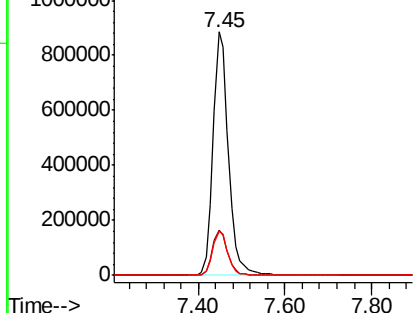
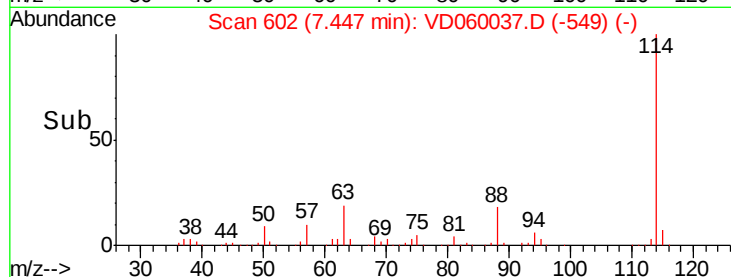
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.02 min
 Lab File: VD060037.D
 Acq: 19 Sep 2018 11:15

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:114 Resp: 2181962
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 34.4
 88 18.1 0.0 35.8

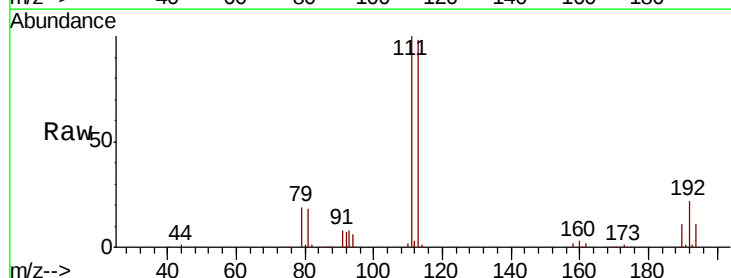


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

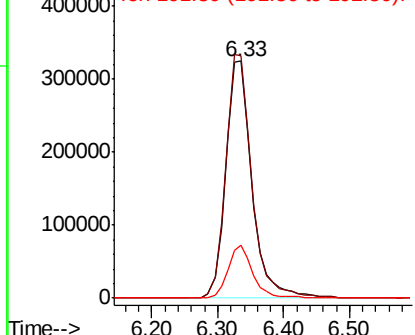
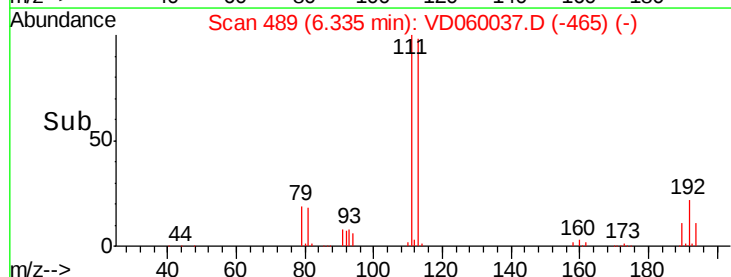


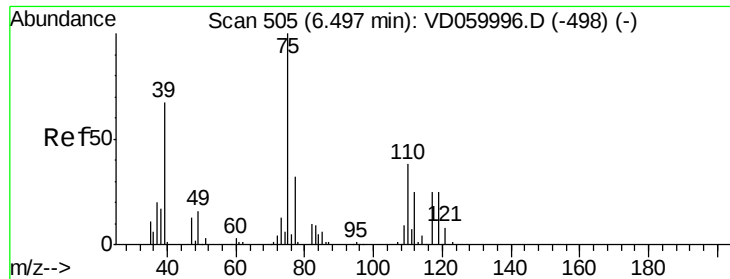
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.33 min Scan# 489
 Delta R.T. 0.03 min
 Lab File: VD060037.D
 Acq: 19 Sep 2018 11:15

Tgt Ion:113 Resp: 905813
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.3 121.9
 192 22.6 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

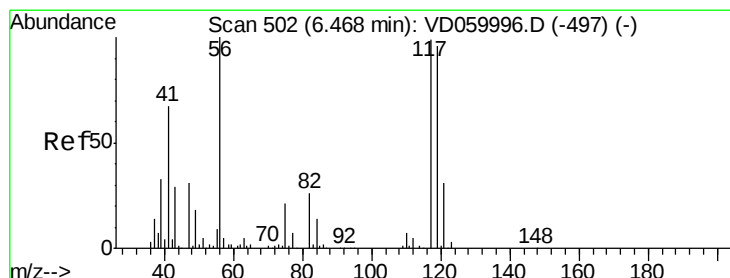
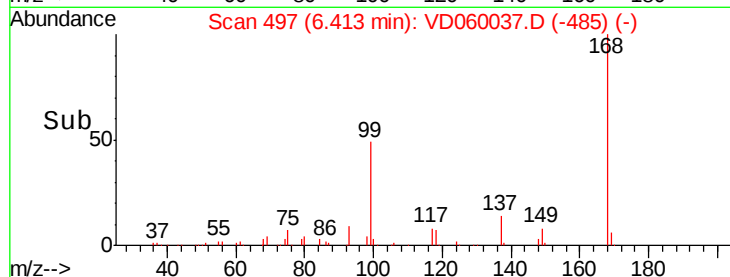
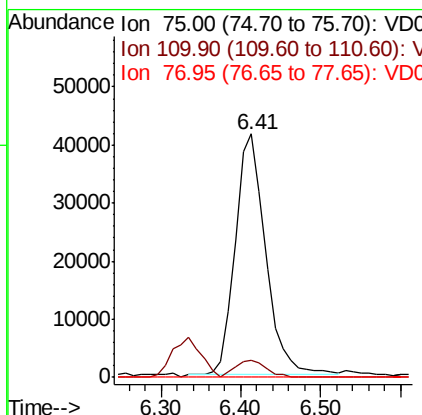
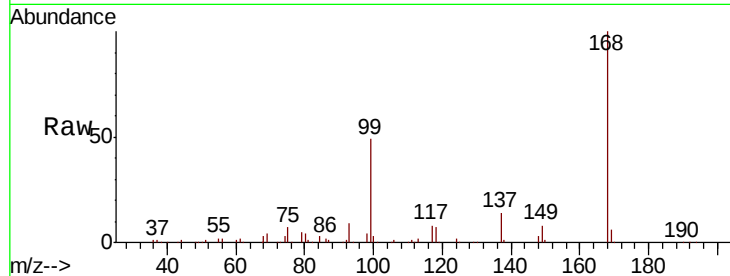




#36
 1,1-Dichloropropene
 Concen: 5.07 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. -0.08 min
 Lab File: VD060037.D
 Acq: 19 Sep 2018 11:15

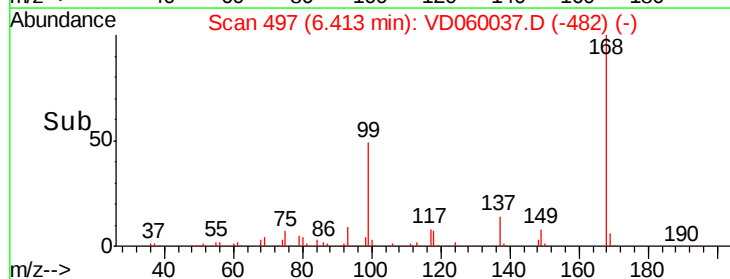
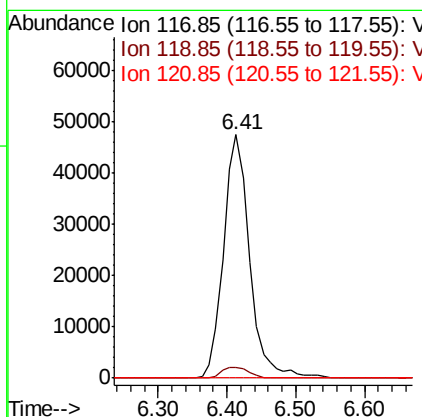
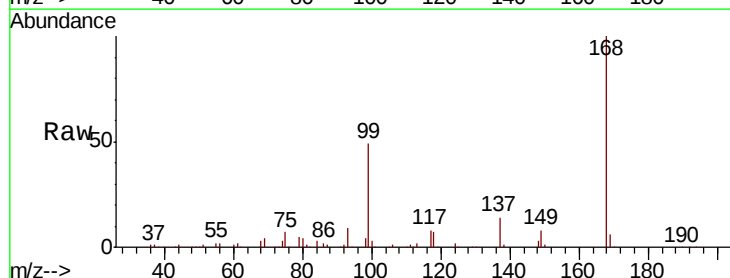
Instrument :
 MSVOA_D
 ClientSampled :

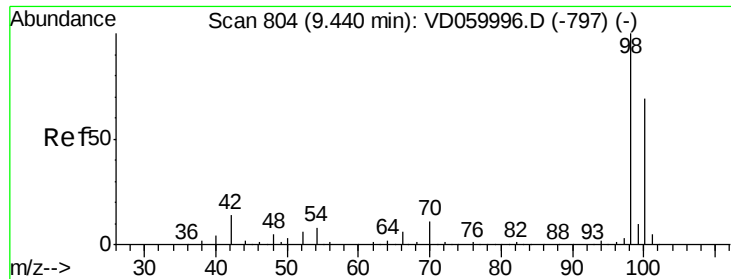
Tot Ion	75	Resp	109967
Ion Ratio	Lower	Upper	
75	100		
110	7.1	18.9	56.9#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 6.15 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. -0.05 min
 Lab File: VD060037.D
 Acq: 19 Sep 2018 11:15

Tgt Ion	117	Resp	124397
Ion Ratio	Lower	Upper	
117	100		
119	4.5	76.7	115.1#
121	0.0	24.9	37.3#

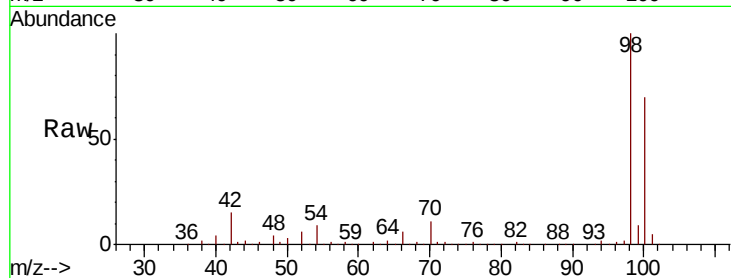




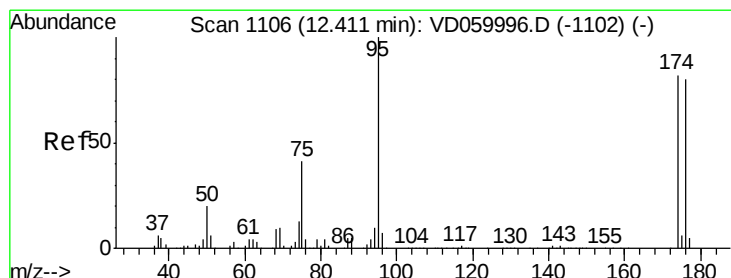
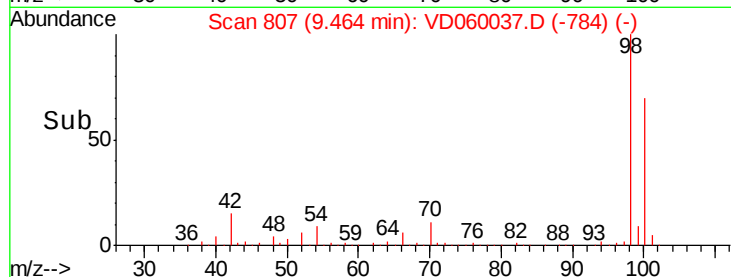
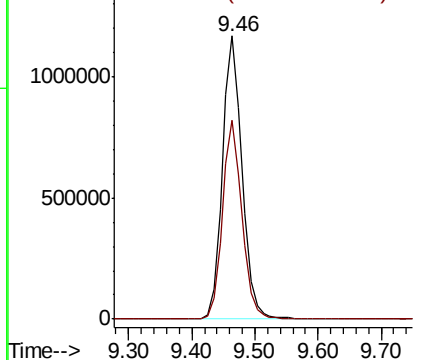
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 807
Delta R.T. 0.02 min
Lab File: VD060037.D
Acq: 19 Sep 2018 11:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 2536529
Ion Ratio Lower Upper
98 100
100 70.1 55.8 83.6

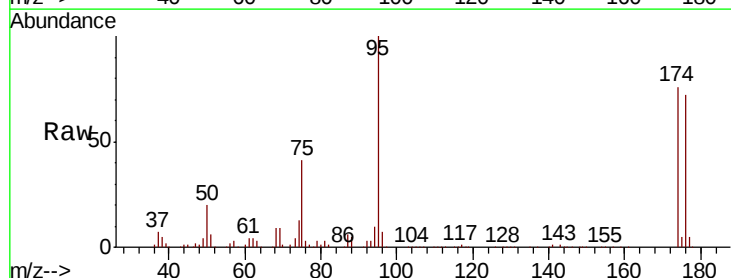


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

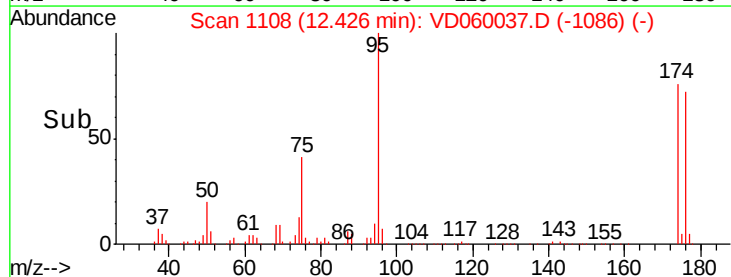
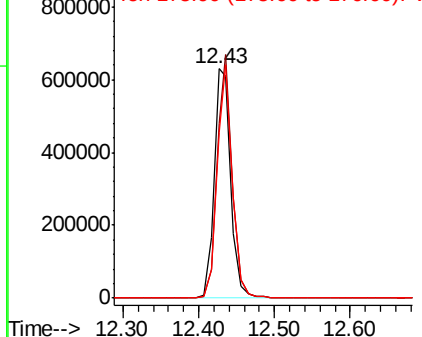


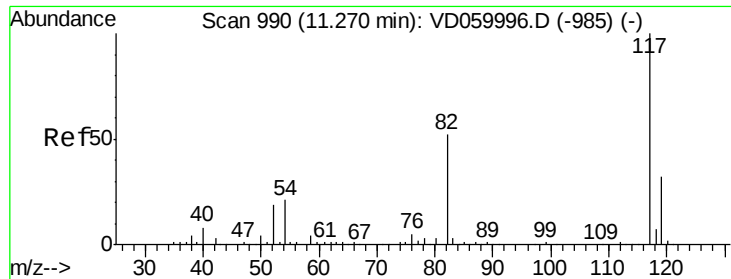
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VD060037.D
Acq: 19 Sep 2018 11:15

Tgt Ion: 95 Resp: 977544
Ion Ratio Lower Upper
95 100
174 76.3 0.0 165.0
176 72.1 0.0 160.2



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

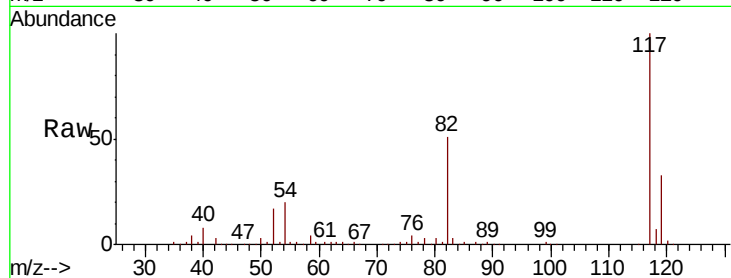




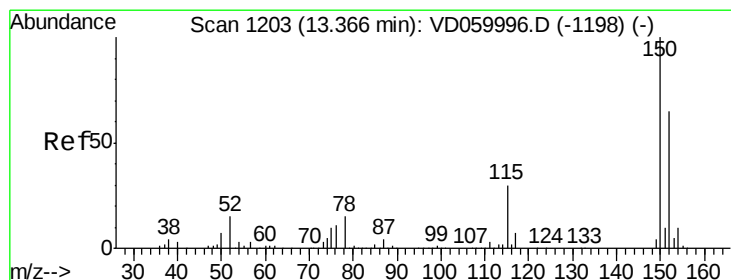
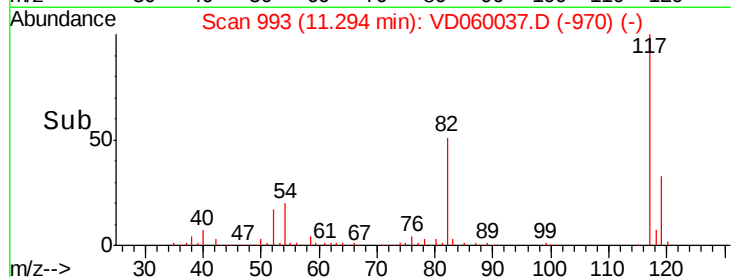
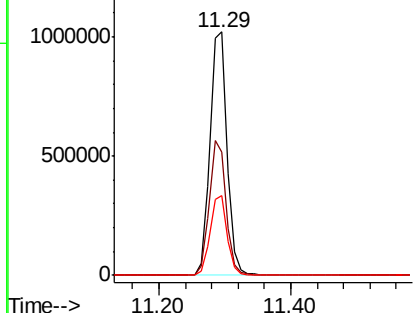
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 993
Delta R.T. 0.02 min
Lab File: VD060037.D
Acq: 19 Sep 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1785508
Ion Ratio Lower Upper
117 100
82 50.8 41.7 62.5
119 32.9 26.0 39.0

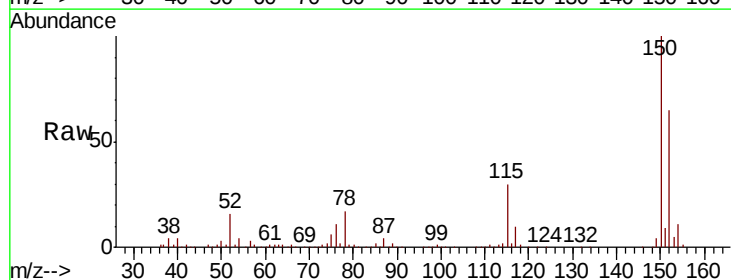


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

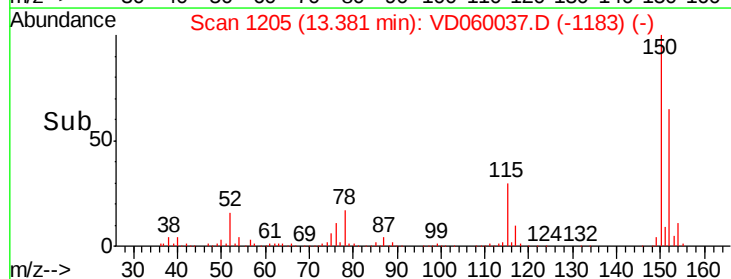
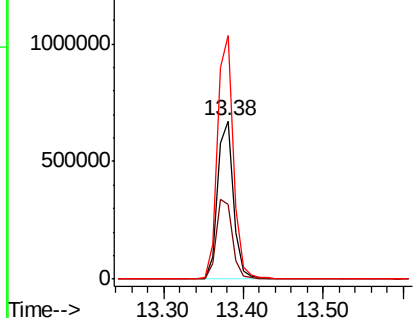


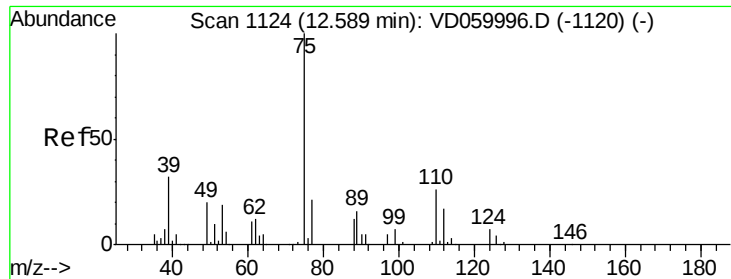
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. 0.01 min
Lab File: VD060037.D
Acq: 19 Sep 2018 11:15

Tgt Ion:152 Resp: 949529
Ion Ratio Lower Upper
152 100
115 46.9 24.6 73.8
150 153.7 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





#76

1,2,3-Trichloropropane

Concen: 26.42 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060037.D

Acq: 19 Sep 2018 11:15

Instrument :

MSVOA_D

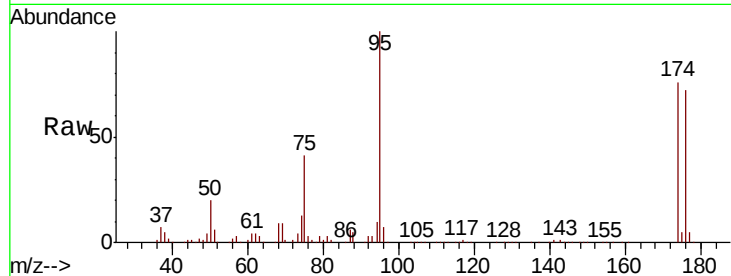
ClientSampled :

Tot Ion: 75 Resp: 383107

Ion Ratio Lower Upper

75 100

77 1.7 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.43

250000

200000

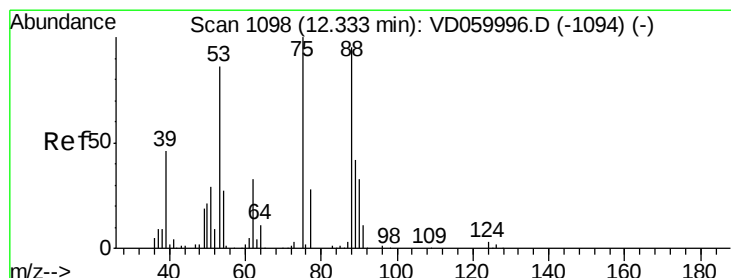
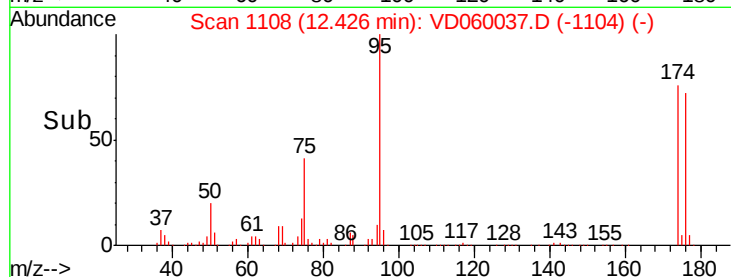
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 88.76 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.09 min

Lab File: VD060037.D

Acq: 19 Sep 2018 11:15

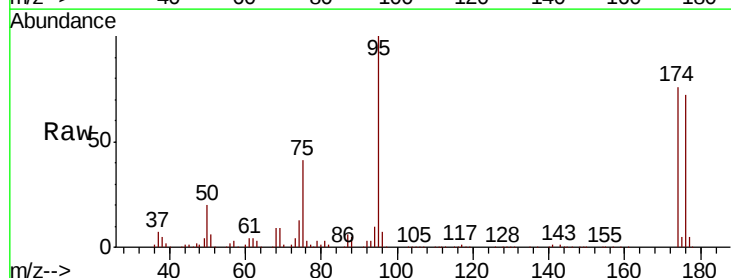
Tgt Ion: 75 Resp: 388549

Ion Ratio Lower Upper

75 100

53 0.0 68.4 102.6#

89 0.0 33.8 50.6#



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

12.43

300000

200000

100000

0

Time-->

