

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100318\
 Data File : VD060115.D
 Acq On : 3 Oct 2018 13:29
 Operator : VA/AP
 Sample : VD1003SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBL01

Quant Time: Oct 04 04:25:21 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1645294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2238857	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1822112	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	1004344	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	680779	54.59	ug/l	0.02
Spiked Amount 50.000			Recovery	=	109.18%	
35) Dibromofluoromethane	6.32	113	862498	50.73	ug/l	0.02
Spiked Amount 50.000			Recovery	=	101.46%	
50) Toluene-d8	9.45	98	2452242	50.58	ug/l	0.02
Spiked Amount 50.000			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.43	95	944296	52.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.04%	

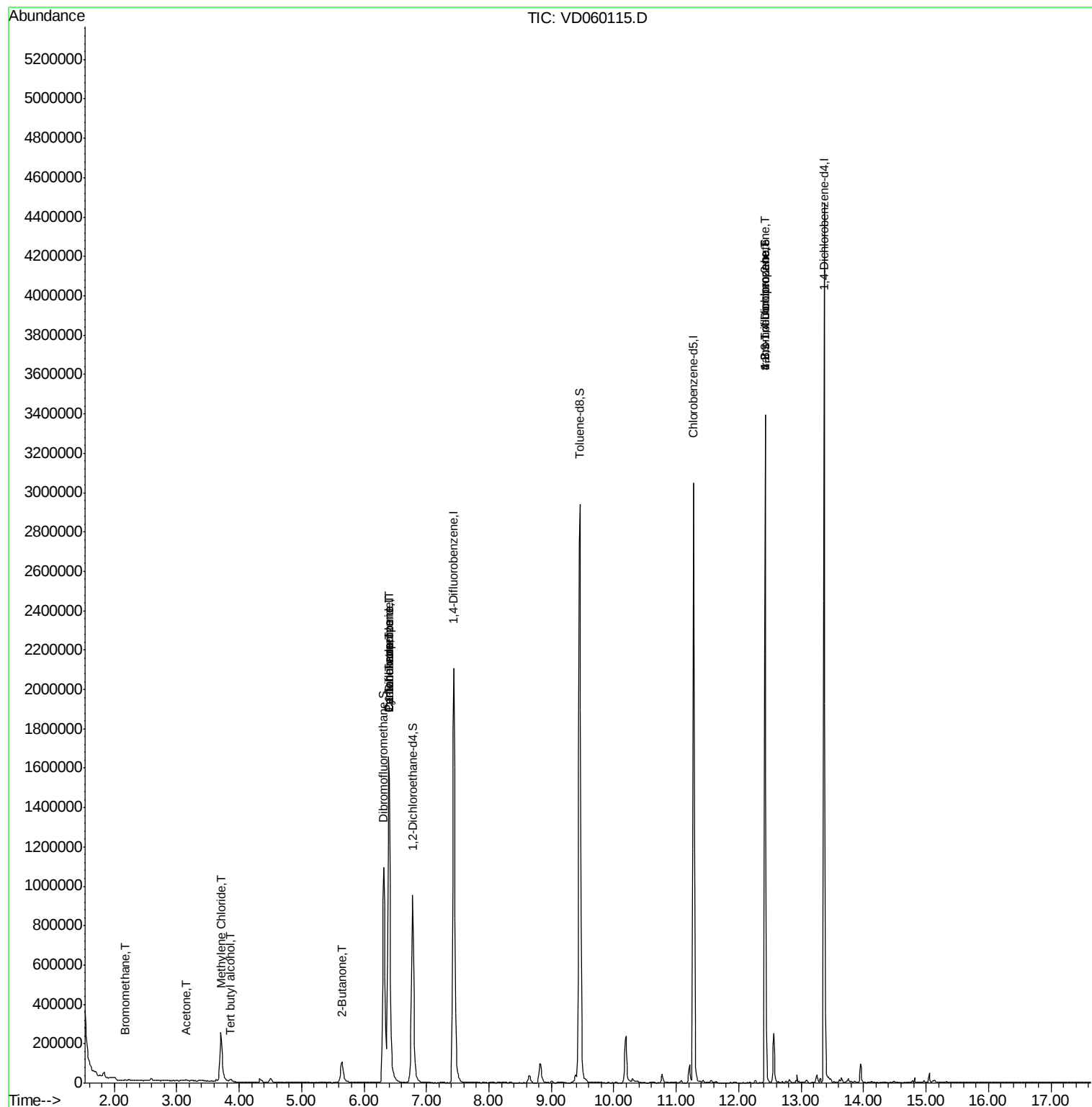
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	1575	1.098	ug/l #	61
11) Tert butyl alcohol	3.87	59	11260	12.589	ug/l #	74
16) Acetone	3.15	43	9938	4.391	ug/l	97
20) Methylene Chloride	3.71	84	145795	4.250	ug/l	98
25) 2-Butanone	5.65	43	12552	2.220	ug/l #	59
31) Cyclohexane	6.39	56	32344	1.197	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	116458	5.443	ug/l #	46
38) Carbon Tetrachloride	6.39	117	127437	6.563	ug/l #	15
76) 1,2,3-Trichloropropane	12.43	75	351998	24.337	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.43	75	377799	92.959	ug/l #	13

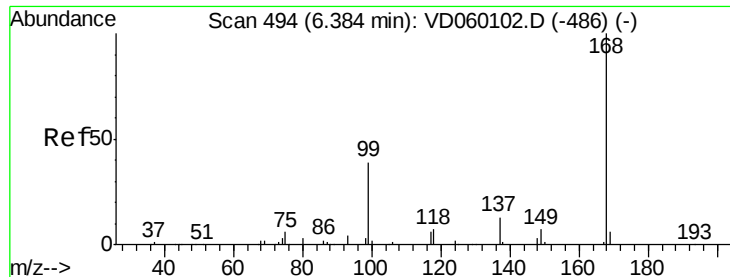
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100318\
Data File : VD060115.D
Acq On : 3 Oct 2018 13:29
Operator : VA/AP
Sample : VD1003SBL01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBL01

Quant Time: Oct 04 04:25:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060115.D

Acq: 3 Oct 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

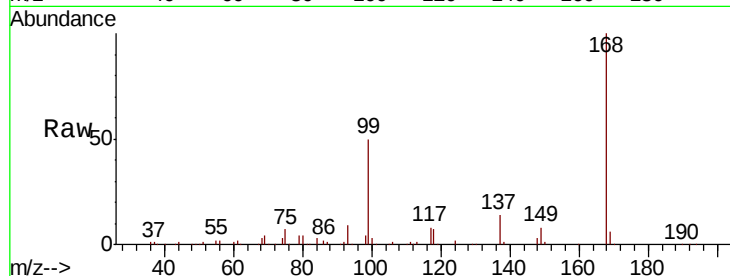
VD1003SBL01

Tot Ion:168 Resp: 1645294

Ion Ratio Lower Upper

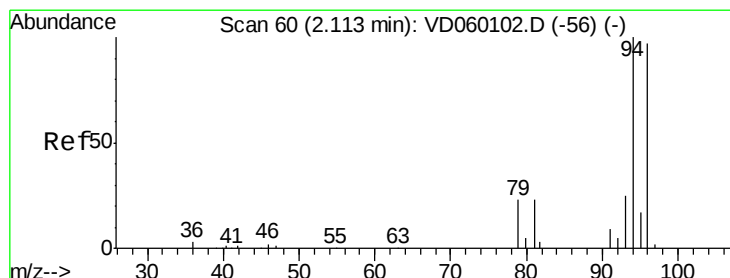
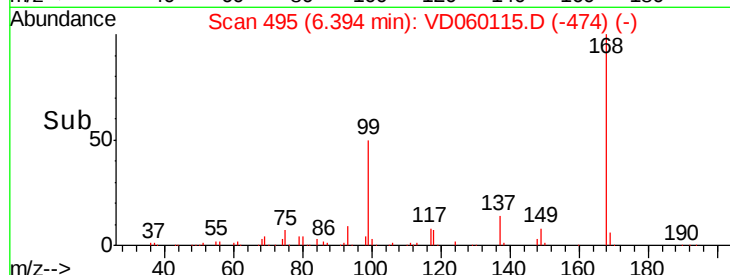
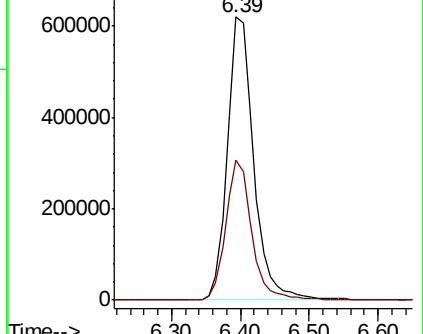
168 100

99 49.6 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.098 ug/l

RT: 2.16 min Scan# 65

Delta R.T. 0.05 min

Lab File: VD060115.D

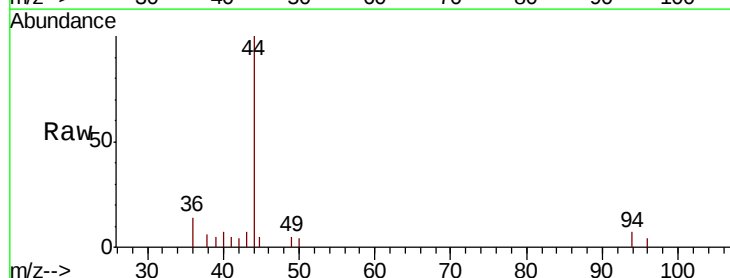
Acq: 3 Oct 2018 13:29

Tgt Ion: 94 Resp: 1575

Ion Ratio Lower Upper

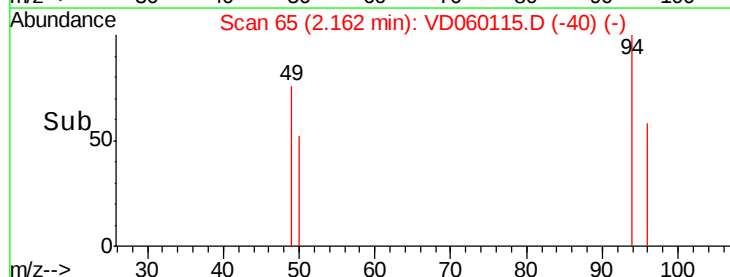
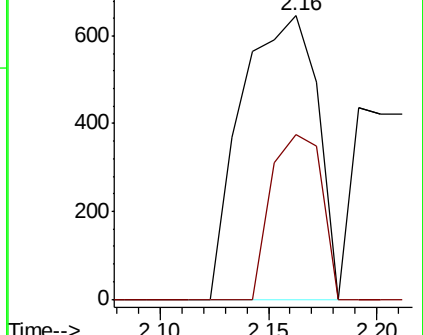
94 100

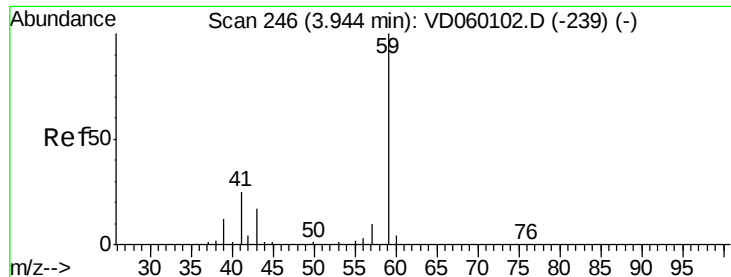
96 58.0 77.4 116.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



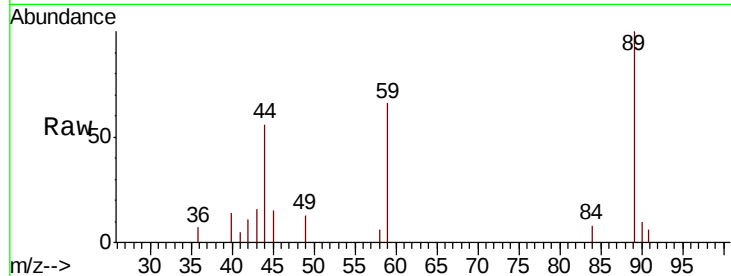


#11

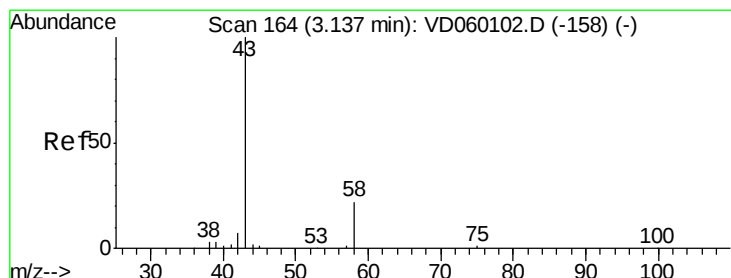
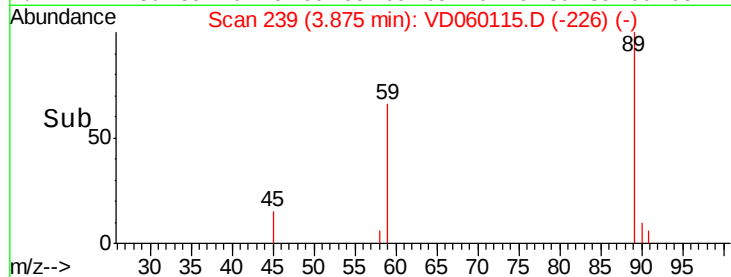
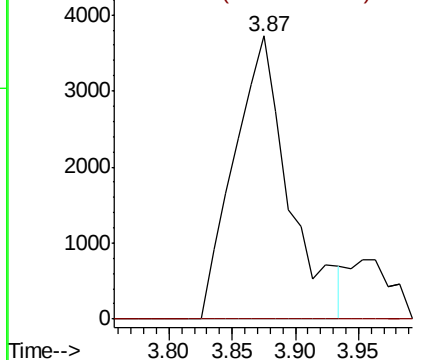
Tert butyl alcohol
 Concen: 12.589 ug/l
 RT: 3.87 min Scan# 239
 Delta R.T. -0.07 min
 Lab File: VD060115.D
 Acq: 3 Oct 2018 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBL01

Tot Ion: 59 Resp: 11260
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#



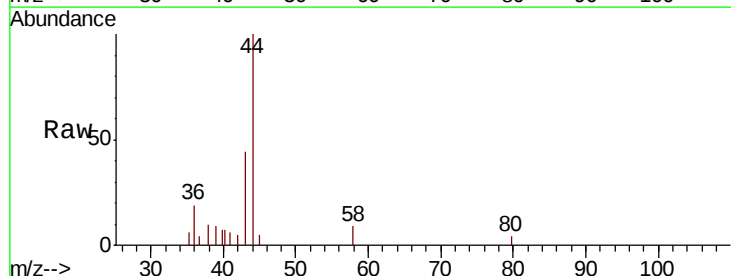
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



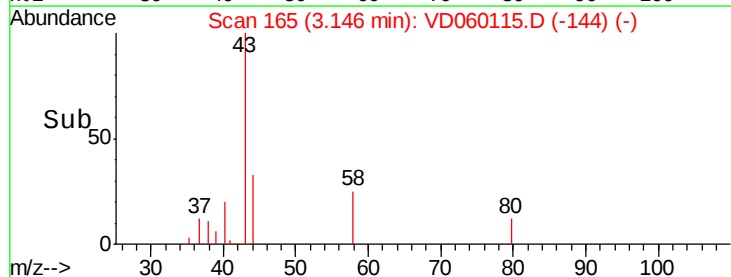
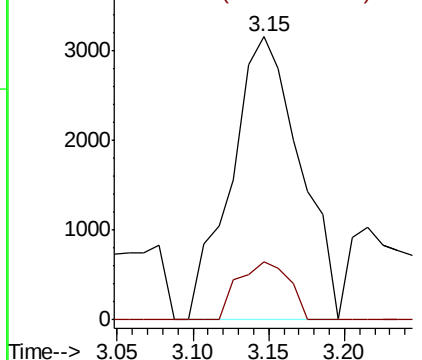
#16

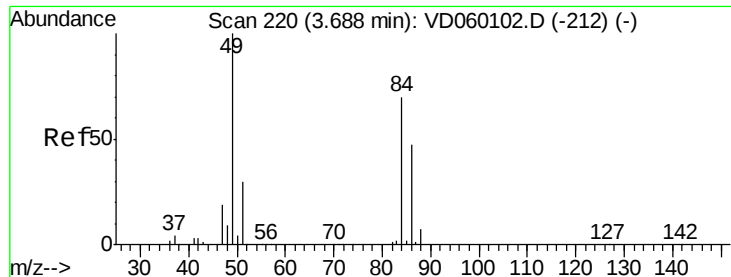
Acetone
 Concen: 4.391 ug/l
 RT: 3.15 min Scan# 165
 Delta R.T. 0.01 min
 Lab File: VD060115.D
 Acq: 3 Oct 2018 13:29

Tgt Ion: 43 Resp: 9938
 Ion Ratio Lower Upper
 43 100
 58 20.6 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

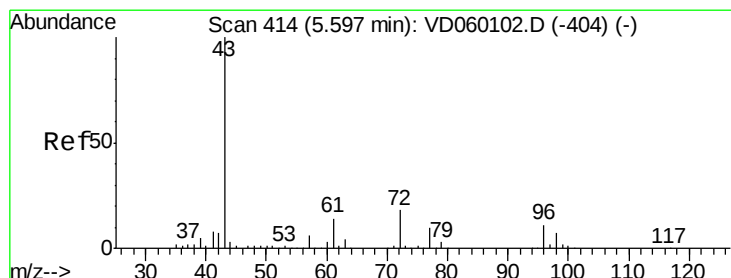
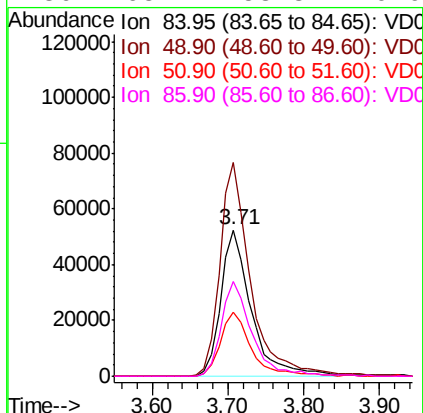
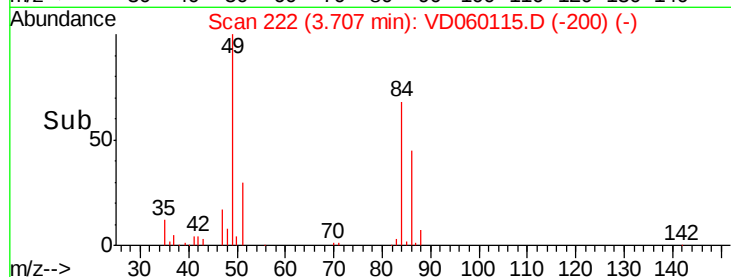
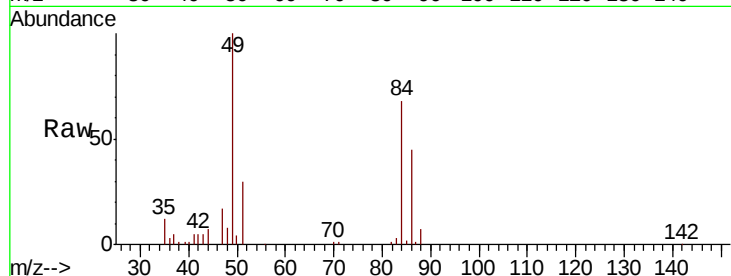




#20
Methvlene Chloride
Concen: 4.250 ug/l
RT: 3.71 min Scan# 222
Delta R.T. 0.02 min
Lab File: VD060115.D
Acq: 3 Oct 2018 13:29

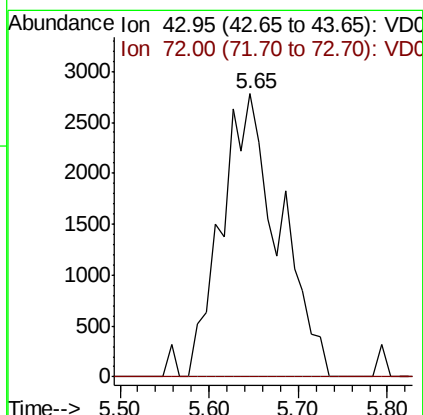
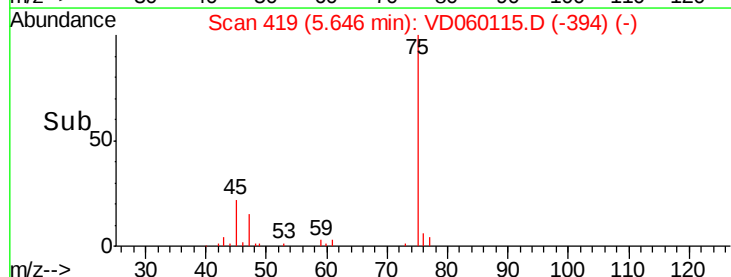
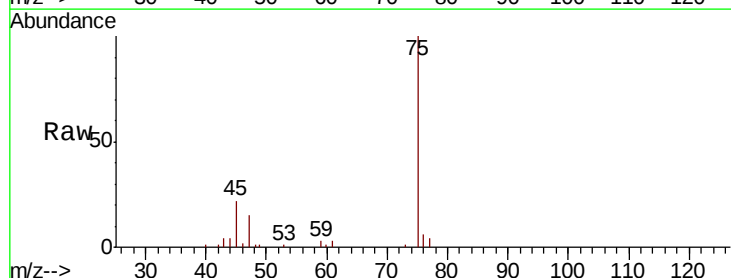
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBL01

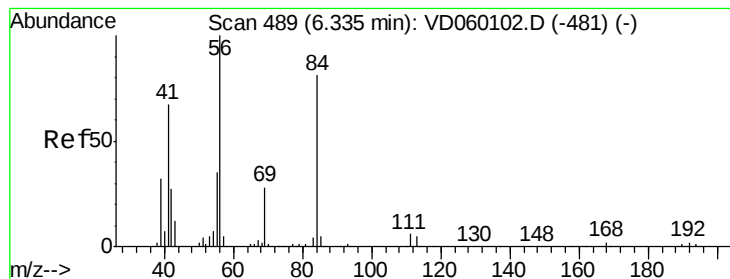
Tot Ion: 84 Resp: 145795
Ion Ratio Lower Upper
84 100
49 146.2 114.6 172.0
51 44.1 33.8 50.8
86 65.1 53.3 79.9



#25
2-Butanone
Concen: 2.220 ug/l
RT: 5.65 min Scan# 419
Delta R.T. 0.05 min
Lab File: VD060115.D
Acq: 3 Oct 2018 13:29

Tgt Ion: 43 Resp: 12552
Ion Ratio Lower Upper
43 100
72 0.0 14.5 21.7#





#31

Cyclohexane

Concen: 1.197 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.06 min

Lab File: VD060115.D

Acq: 3 Oct 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBL01

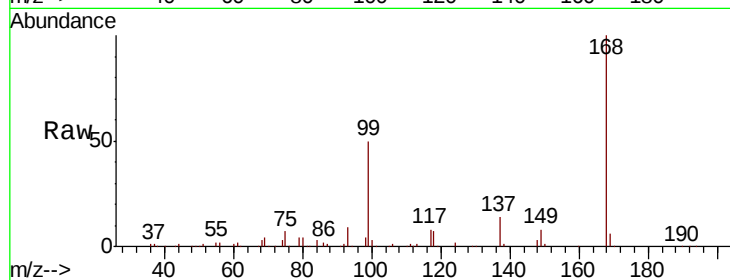
Tot Ion: 56 Resp: 32344

Ion Ratio Lower Upper

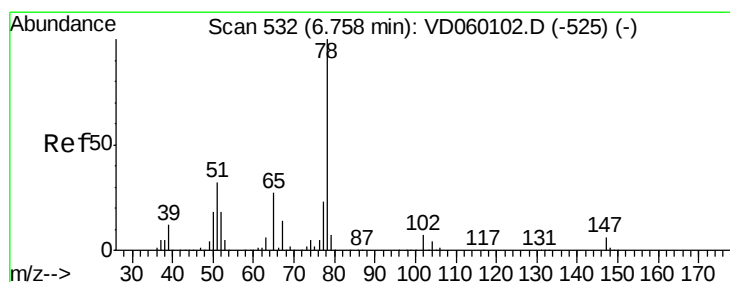
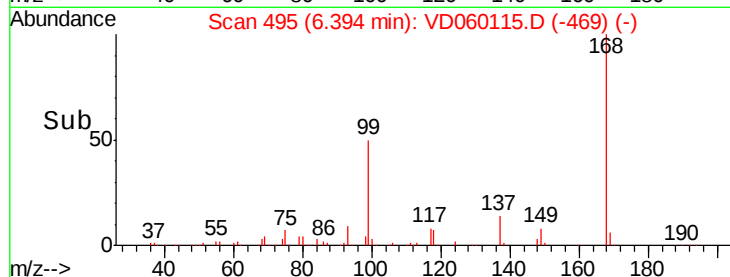
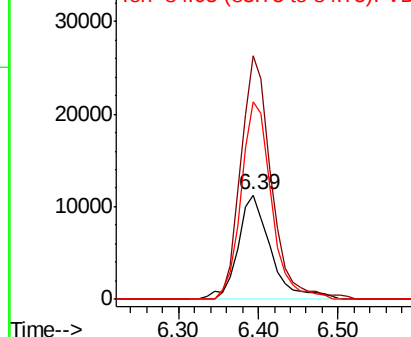
56 100

69 233.6 22.8 34.2#

84 189.9 64.9 97.3#



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: N.D. ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060115.D

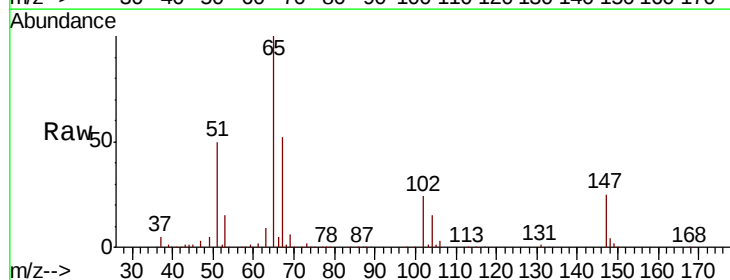
Acq: 3 Oct 2018 13:29

Tgt Ion: 65 Resp: 680779

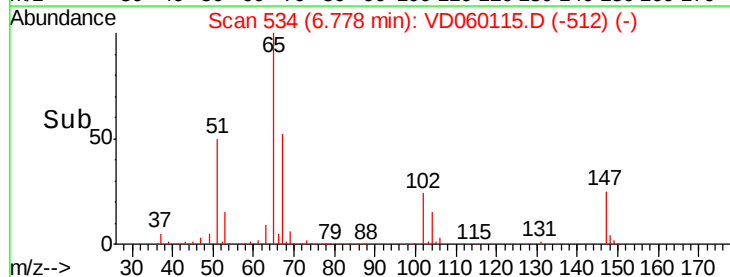
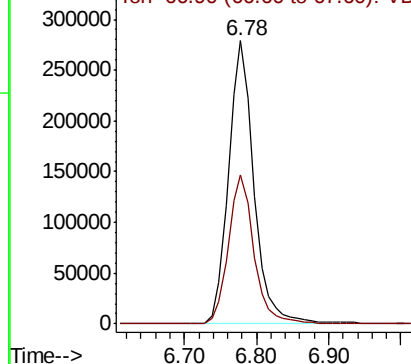
Ion Ratio Lower Upper

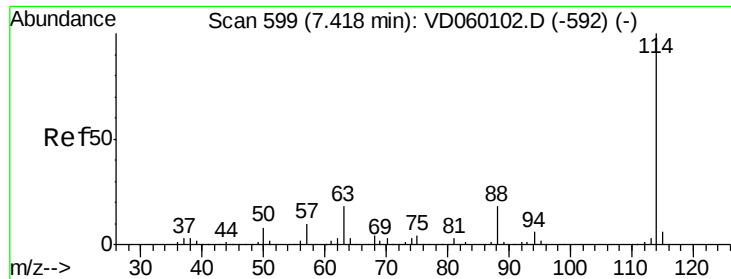
65 100

67 52.4 0.0 106.2



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



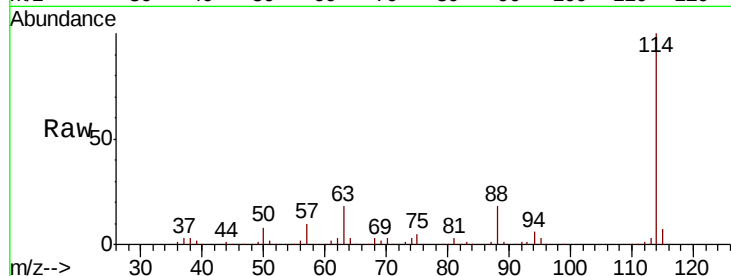


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060115.D
 Acq: 3 Oct 2018 13:29

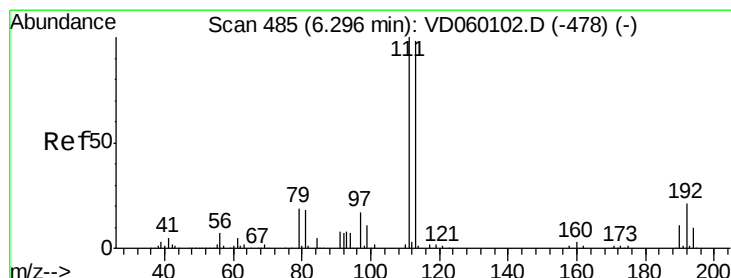
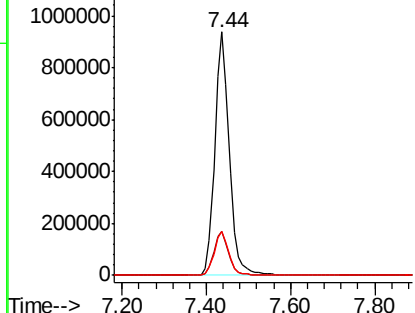
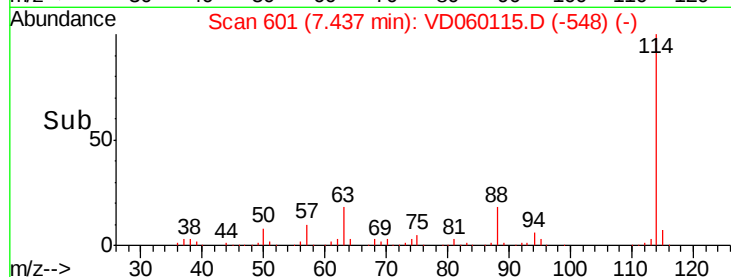
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBL01

Tot Ion:114 Resp: 2238857

Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	36.0
88	18.1	0.0	36.2



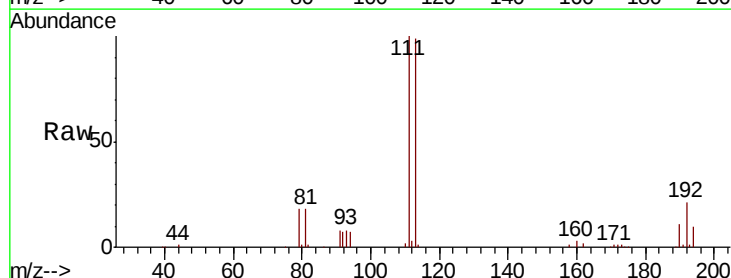
Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V



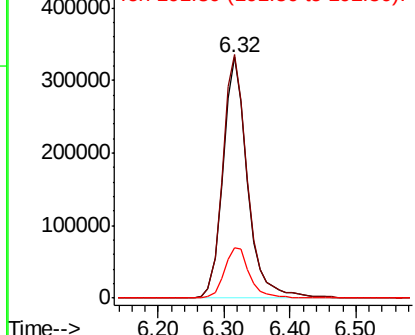
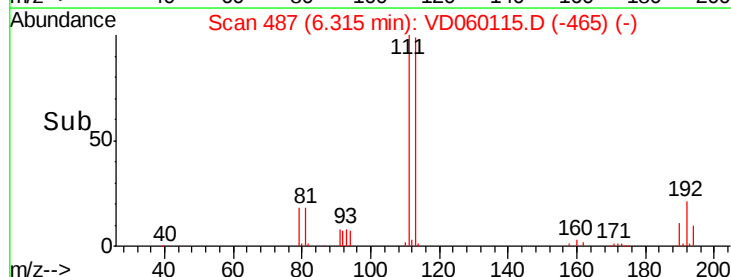
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060115.D
 Acq: 3 Oct 2018 13:29

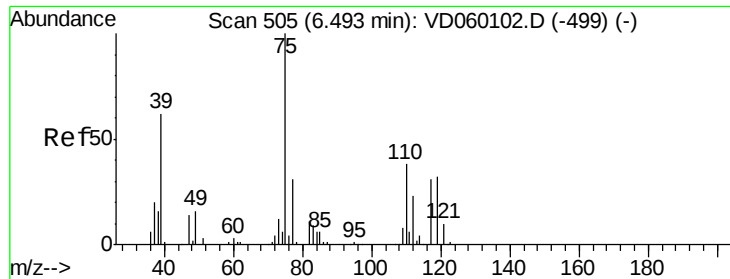
Tgt Ion:113 Resp: 862498

Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.5	122.3
192	21.2	17.4	26.0



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

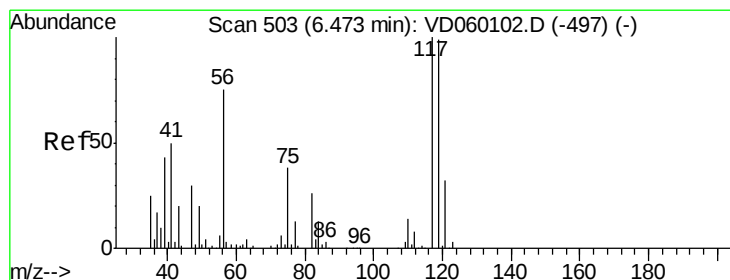
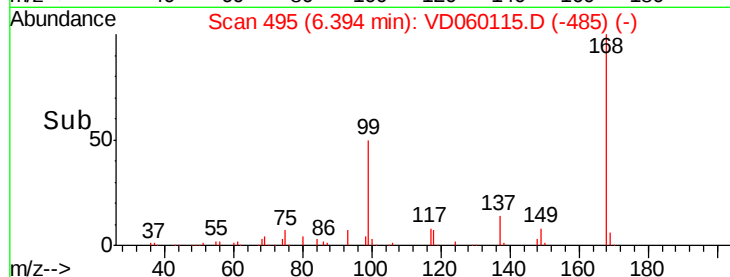
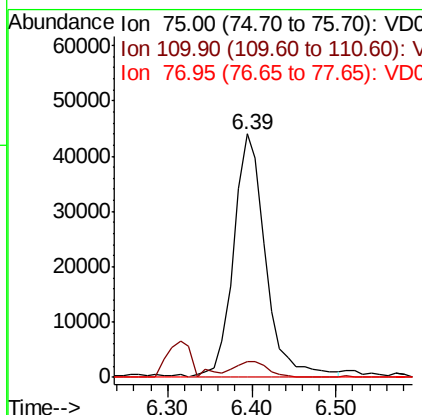
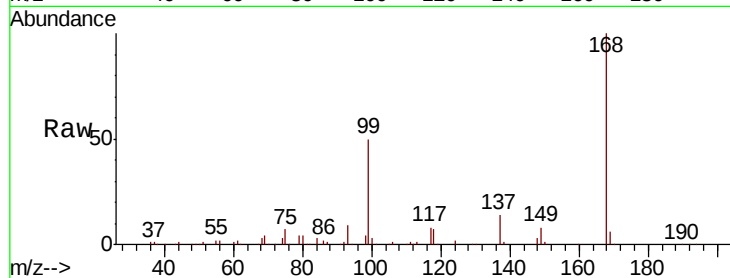




#36
 1,1-Dichloropropene
 Concen: 5.443 ug/l
 RT: 6.39 min Scan# 495
 Delta R.T. -0.10 min
 Lab File: VD060115.D
 Acq: 3 Oct 2018 13:29

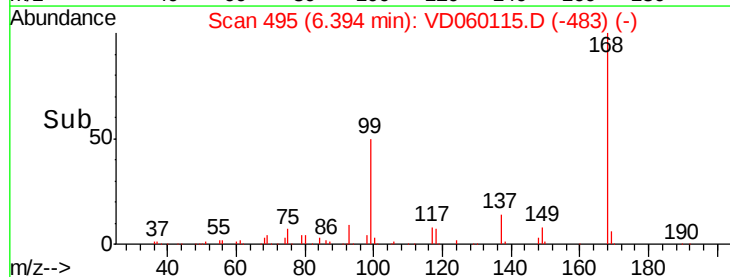
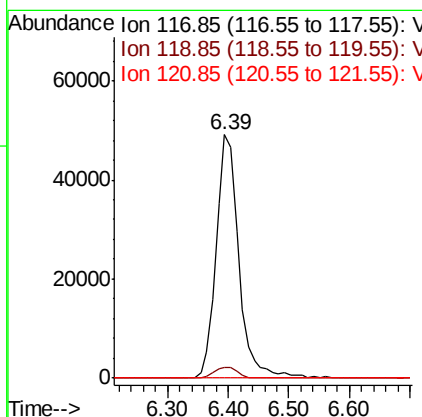
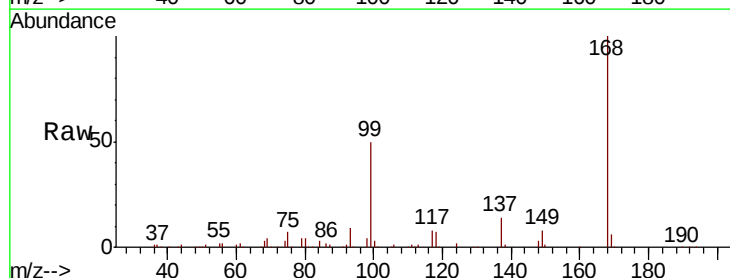
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBL01

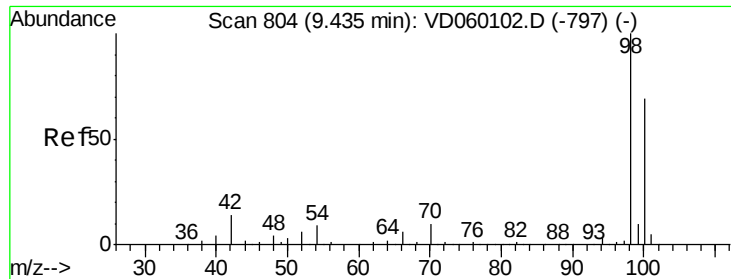
Tot Ion	75	110	77
Resp:	116458		
Ion Ratio	100	6.5	0.0
Lower		19.0	24.9
Upper		57.0	37.3



#38
 Carbon Tetrachloride
 Concen: 6.563 ug/l
 RT: 6.39 min Scan# 495
 Delta R.T. -0.08 min
 Lab File: VD060115.D
 Acq: 3 Oct 2018 13:29

Tgt Ion	117	119	121
Resp:	127437		
Ion Ratio	100	4.5	0.0
Lower		77.8	24.8
Upper		116.6	37.2





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.45 min Scan# 806

Delta R.T. 0.02 min

Lab File: VD060115.D

Acq: 3 Oct 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

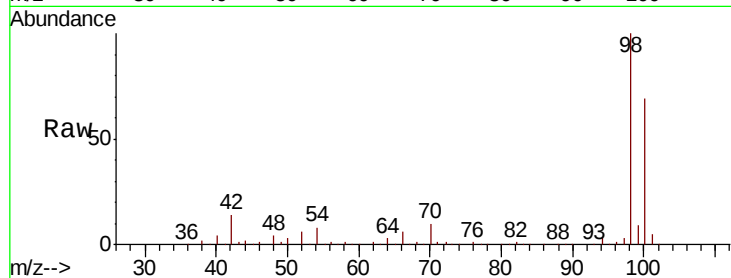
VD1003SBL01

Tot Ion: 98 Resp: 2452242

Ion Ratio Lower Upper

98 100

100 68.9 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VD060102.D (-797) (-)

Ion 100.05 (99.75 to 100.75): VD060102.D (-797) (-)

9.45

1200000

1000000

800000

600000

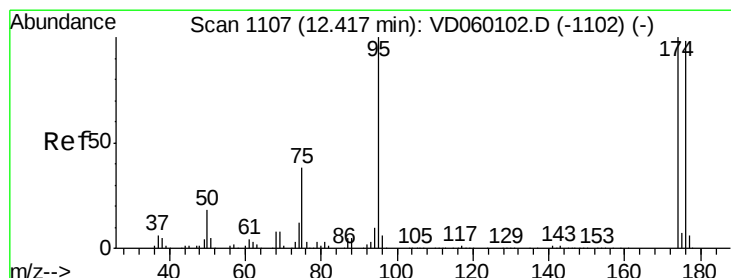
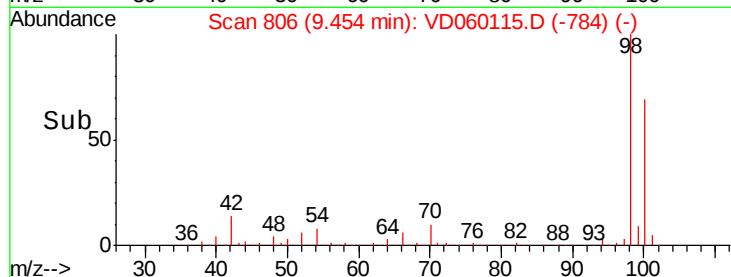
400000

200000

0

Time-->

9.30 9.40 9.50 9.60



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060115.D

Acq: 3 Oct 2018 13:29

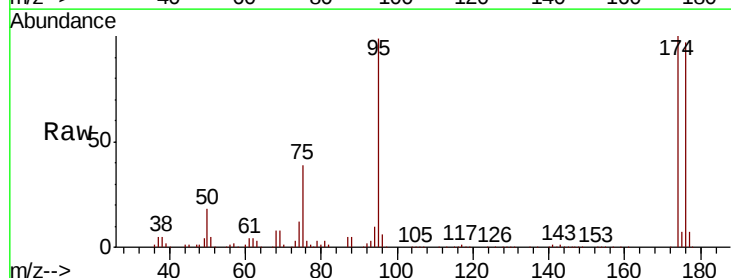
Tgt Ion: 95 Resp: 944296

Ion Ratio Lower Upper

95 100

174 100.8 0.0 200.2

176 97.7 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): VD060102.D (-1102) (-)

Ion 173.90 (173.60 to 174.60): VD060102.D (-1102) (-)

Ion 175.90 (175.60 to 176.60): VD060102.D (-1102) (-)

12.43

800000

600000

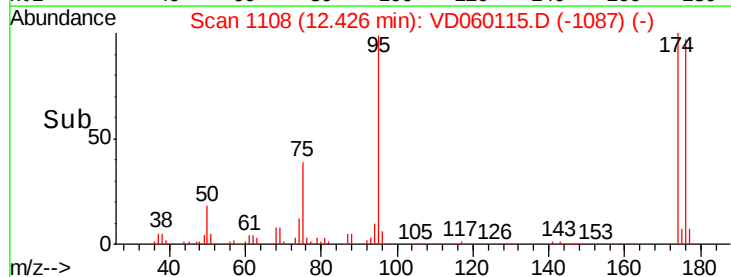
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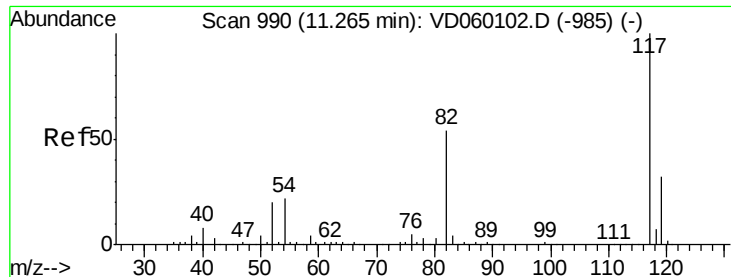
200000

0

Time-->

12.40 12.60

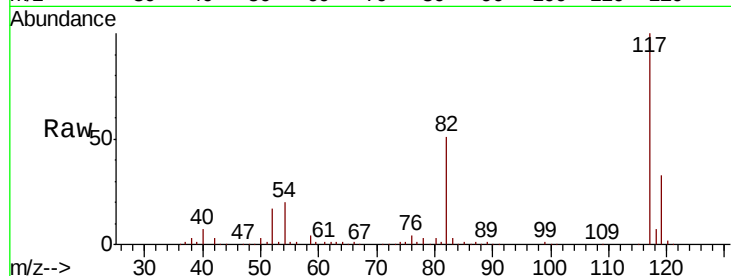




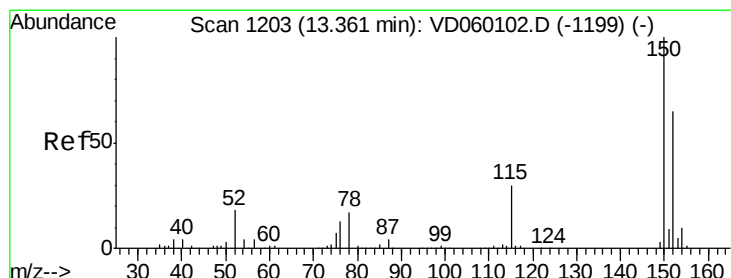
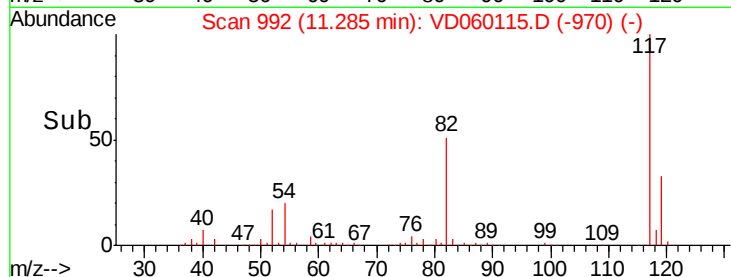
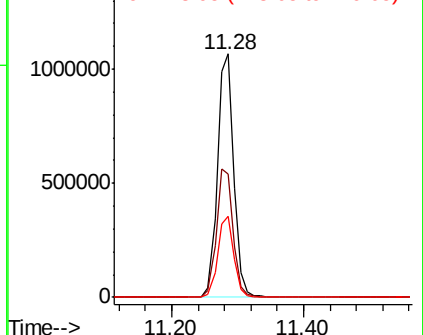
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060115.D
Acq: 3 Oct 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBL01

Tot Ion:117 Resp: 1822112
Ion Ratio Lower Upper
117 100
82 50.8 43.4 65.2
119 33.1 26.0 39.0

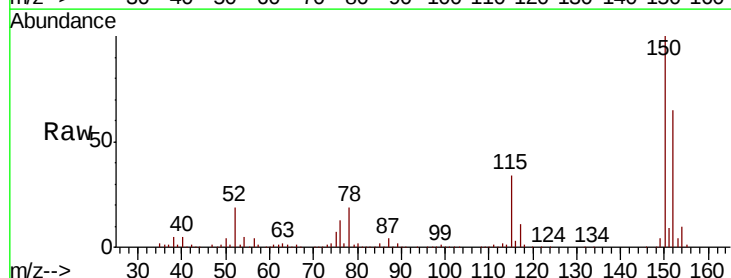


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

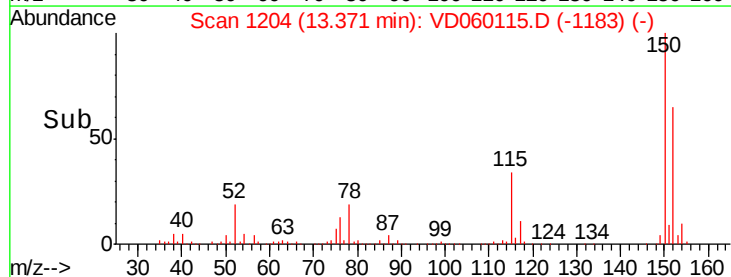
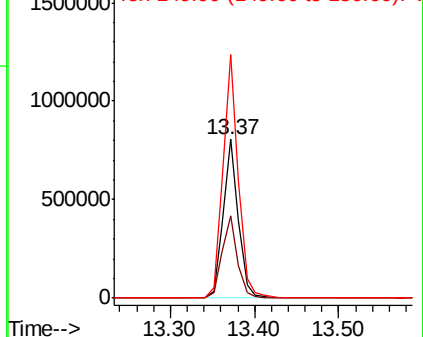


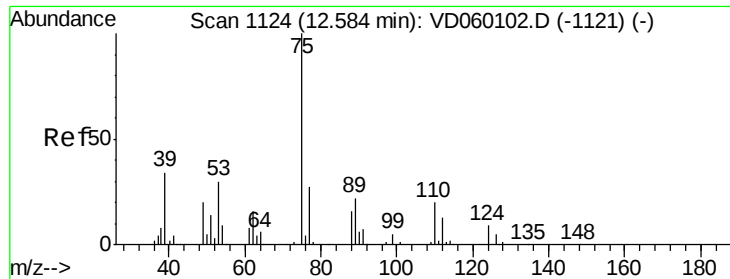
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060115.D
Acq: 3 Oct 2018 13:29

Tgt Ion:152 Resp: 1004344
Ion Ratio Lower Upper
152 100
115 51.9 27.1 81.2
150 153.4 0.0 311.8



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

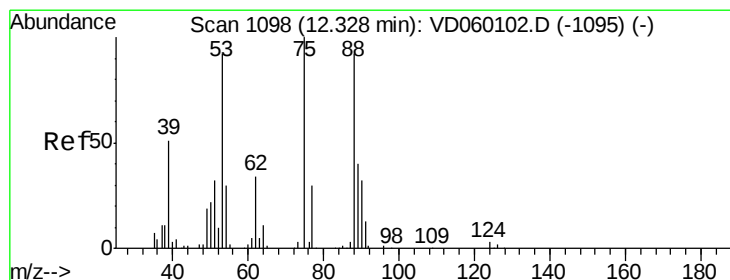
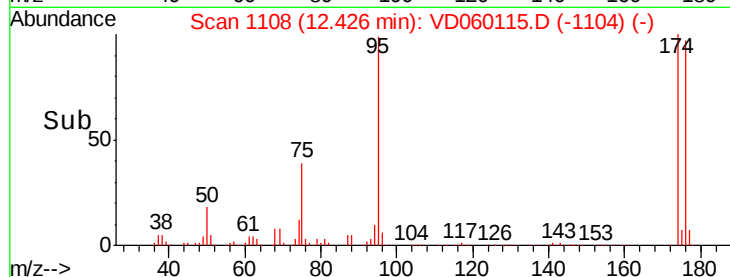
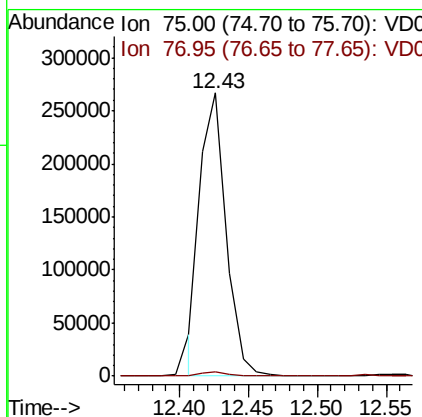
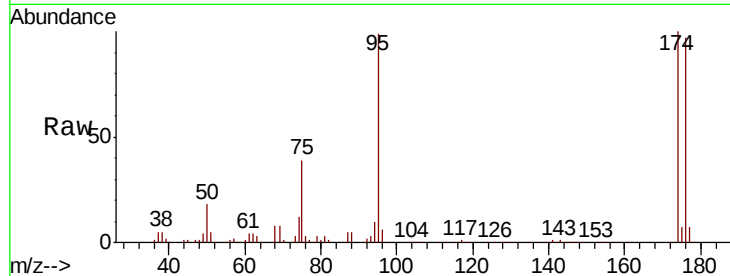




#76
 1,2,3-Trichloropropane
 Concen: 24.337 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.16 min
 Lab File: VD060115.D
 Acq: 3 Oct 2018 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBL01

Tot Ion: 75 Resp: 351998
 Ion Ratio Lower Upper
 75 100
 77 1.3 16.3 48.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.959 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.10 min
 Lab File: VD060115.D
 Acq: 3 Oct 2018 13:29

Tgt Ion: 75 Resp: 377799
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.6#
 89 0.0 32.0 48.0#

