

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091718\
 Data File : VD060018.D
 Acq On : 17 Sep 2018 13:45
 Operator : JC/SY
 Sample : J4906-25RE
 Misc : 6.53g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 17 16:30:20 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	6.39	168	1282695	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.44	114	1878454	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.27	117	1290302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	502419	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	501340	50.12	ug/l	0.01
Spiked Amount			Recovery	=	100.24%	
35) Dibromofluoromethane	6.32	113	654597	44.60	ug/l	0.01
Spiked Amount			Recovery	=	89.20%	
50) Toluene-d8	9.44	98	1627329	40.01	ug/l	0.00
Spiked Amount			Recovery	=	80.02%	
62) 4-Bromofluorobenzene	12.43	95	538009	34.62	ug/l	0.01
Spiked Amount			Recovery	=	69.24%	

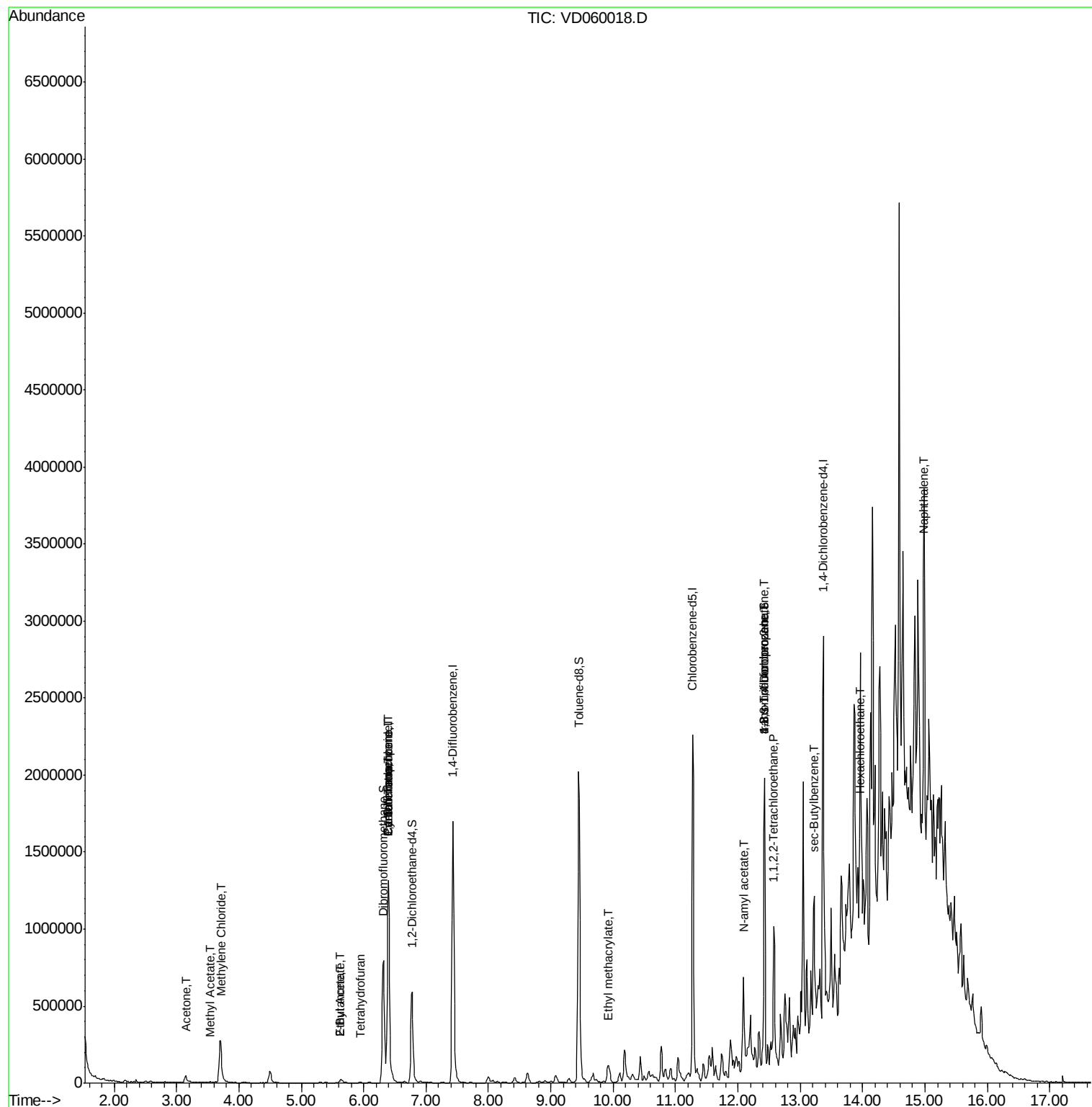
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.15	43	89130	46.151	ug/l	98
18) Methyl Acetate	3.54	43	10784	2.746	ug/l	99
20) Methylene Chloride	3.70	84	178149	6.726	ug/l	98
25) 2-Butanone	5.61	43	16256	3.119	ug/l	94
29) Tetrahydrofuran	5.94	42	3560	1.274	ug/l #	59
31) Cyclohexane	6.39	56	23305	1.049	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	89753	4.810	ug/l #	45
37) Ethyl Acetate	5.61	43	16256	1.267	ug/l #	72
38) Carbon Tetrachloride	6.39	117	98677	5.665	ug/l #	15
51) 4-Methyl-2-Pentanone	9.29	43	1852	Below Cal	#	42
56) Ethyl methacrylate	9.92	69	40382	3.440	ug/l	95
59) 2-Hexanone	10.44	43	93342	Below Cal	#	34
74) N-amyl acetate	12.08	43	137266	10.517	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.57	83	66403	8.883	ug/l #	50
76) 1,2,3-Trichloropropane	12.43	75	186962	24.365	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.43	75	206306	89.067	ug/l #	17
85) sec-Butylbenzene	13.21	105	49838	1.435	ug/l	91
89) n-Butylbenzene	13.65	91	26846	Below Cal		78
90) Hexachloroethane	13.94	117	43985	6.322	ug/l #	7
91) 1,2-Dichlorobenzene	13.66	146	1127	Below Cal	#	1
95) Naphthalene	14.97	128	19781	1.089	ug/l #	9

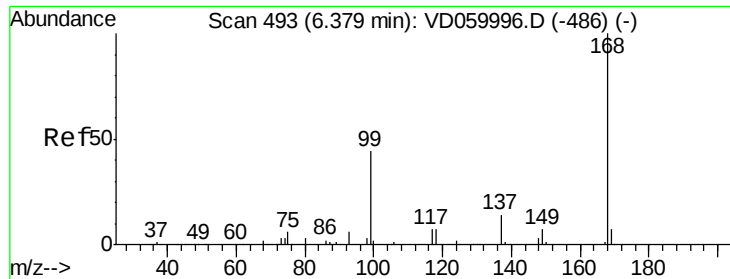
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091718\
Data File : VD060018.D
Acq On : 17 Sep 2018 13:45
Operator : JC/SY
Sample : J4906-25RE
Misc : 6.53g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Sep 17 16:30:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration



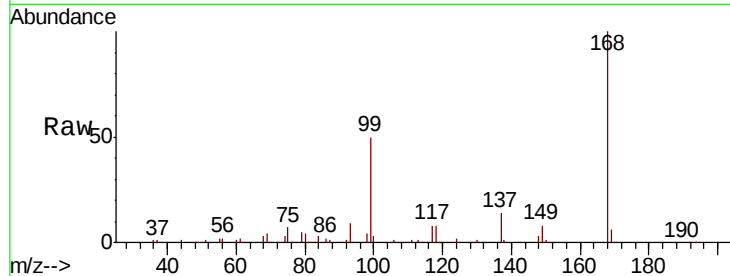


#1

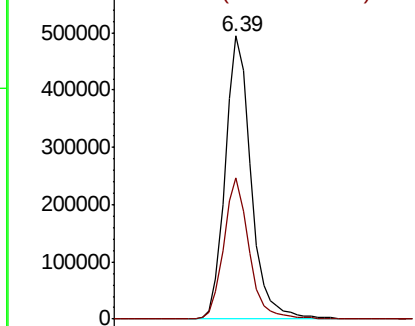
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.39 min Scan# 495
 Delta R.T. 0.01 min
 Lab File: VD060018.D
 Acq: 17 Sep 2018 13:45

Instrument :
 MSVOA_D
 ClientSampleId :

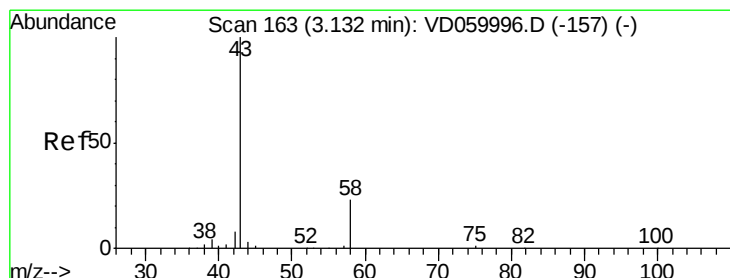
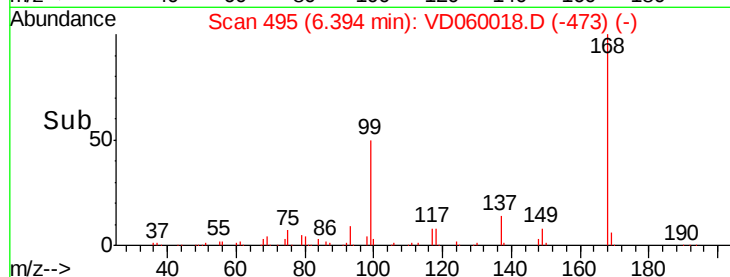
Tot Ion:168 Resp: 1282695
 Ion Ratio Lower Upper
 168 100
 99 49.8 38.5 57.7



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



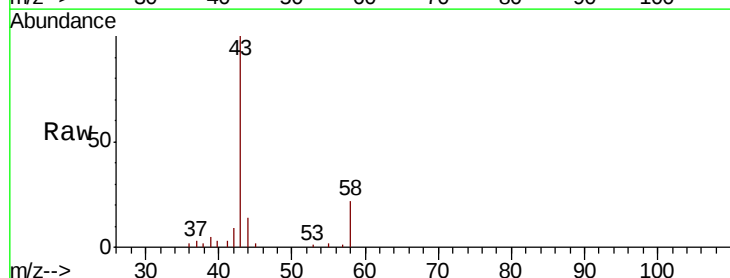
Time-->



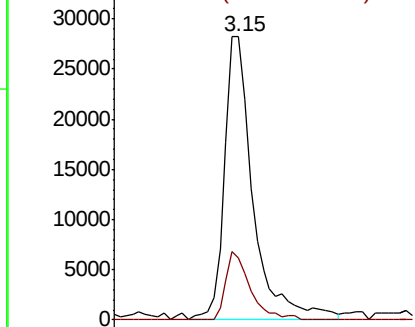
#16

Acetone
 Concen: 46.151 ug/l
 RT: 3.15 min Scan# 165
 Delta R.T. 0.01 min
 Lab File: VD060018.D
 Acq: 17 Sep 2018 13:45

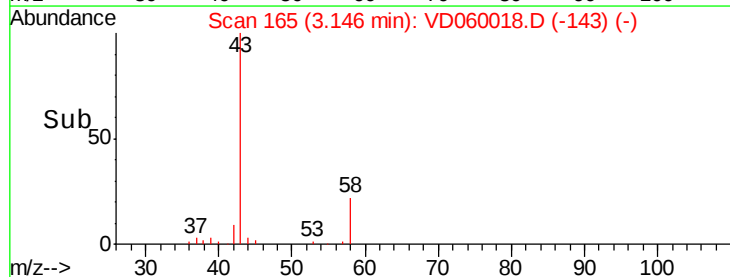
Tgt Ion: 43 Resp: 89130
 Ion Ratio Lower Upper
 43 100
 58 21.7 18.1 27.1

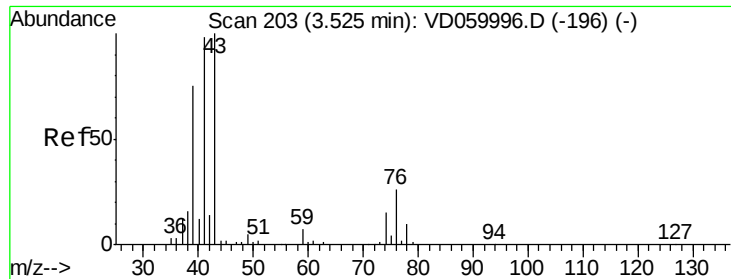


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC



Time-->

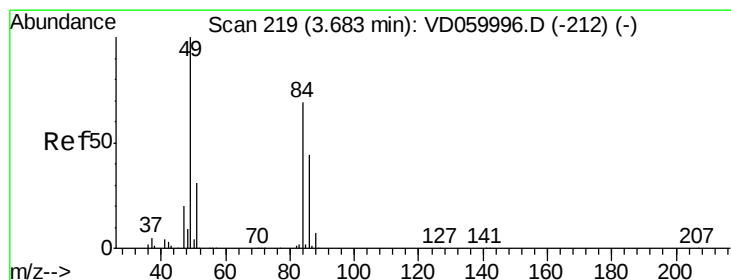
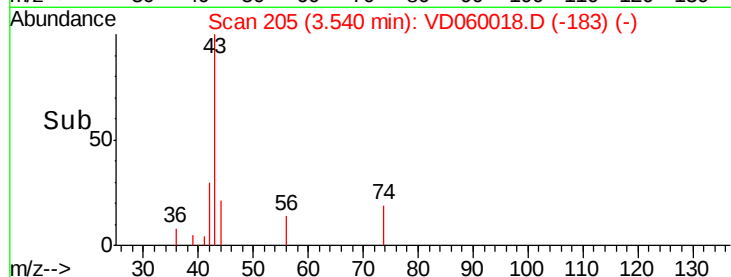
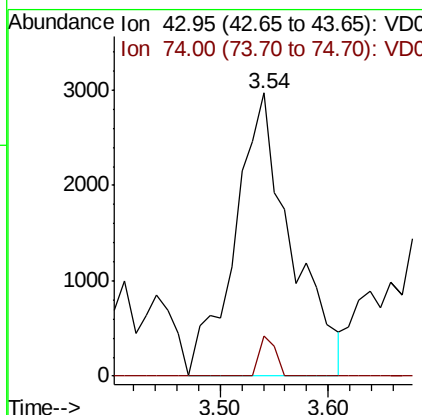
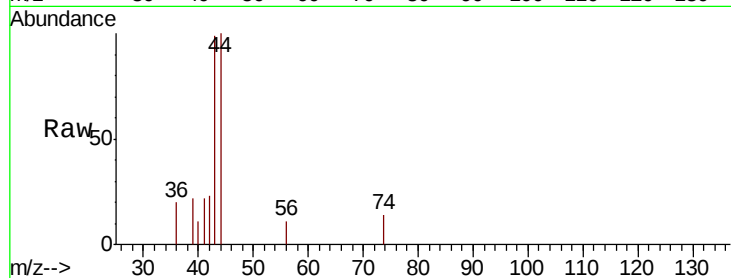




#18
Methyl Acetate
Concen: 2.746 ug/l
RT: 3.54 min Scan# 205
Delta R.T. 0.01 min
Lab File: VD060018.D
Acq: 17 Sep 2018 13:45

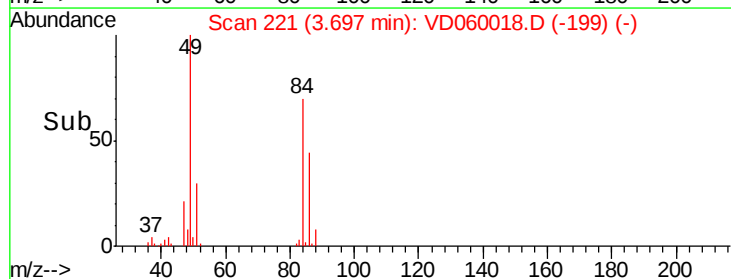
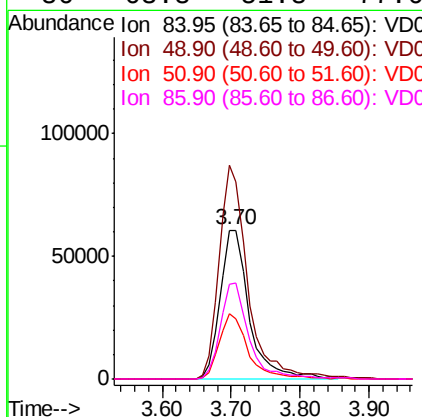
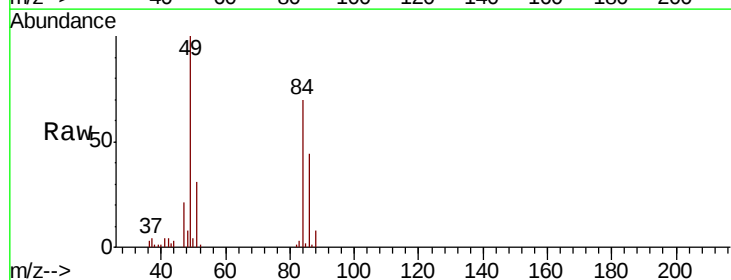
Instrument :
MSVOA_D
ClientSampled :

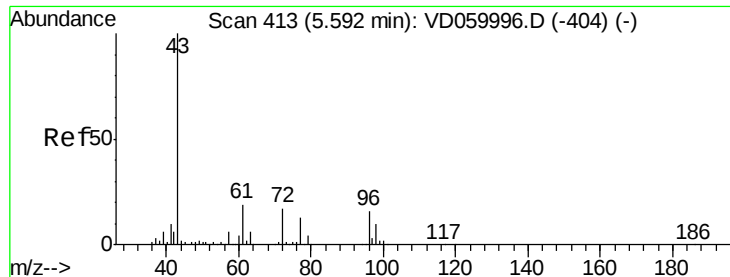
Tot Ion: 43 Resp: 10784
Ion Ratio Lower Upper
43 100
74 14.3 11.8 17.8



#20
Methylene Chloride
Concen: 6.726 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.02 min
Lab File: VD060018.D
Acq: 17 Sep 2018 13:45

Tgt Ion: 84 Resp: 178149
Ion Ratio Lower Upper
84 100
49 143.6 116.6 175.0
51 44.0 35.9 53.9
86 63.8 51.8 77.6





#25

2-Butanone

Concen: 3.119 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.02 min

Lab File: VD060018.D

Acq: 17 Sep 2018 13:45

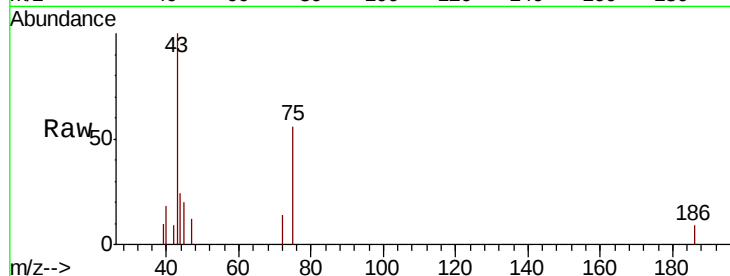
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 16256

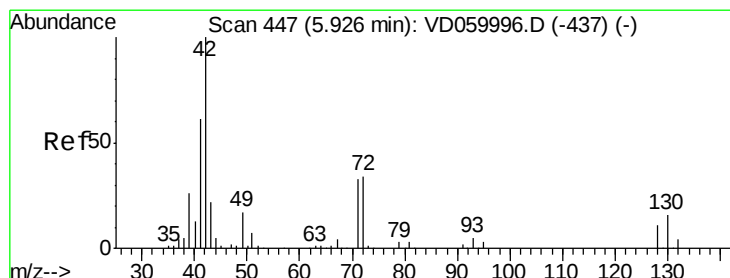
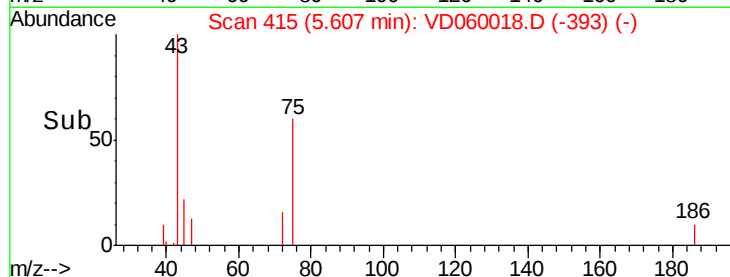
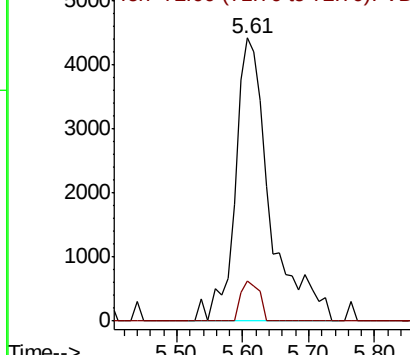
Ion Ratio Lower Upper

43 100

72 14.4 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.274 ug/l

RT: 5.94 min Scan# 449

Delta R.T. 0.01 min

Lab File: VD060018.D

Acq: 17 Sep 2018 13:45

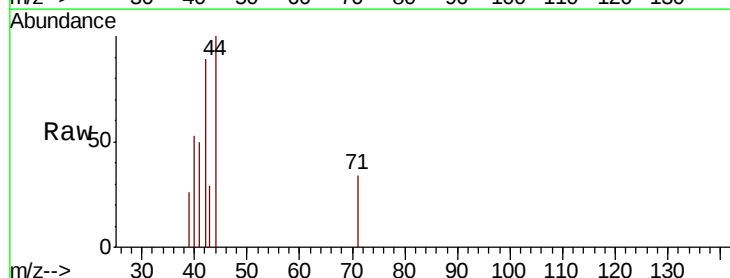
Tgt Ion: 42 Resp: 3560

Ion Ratio Lower Upper

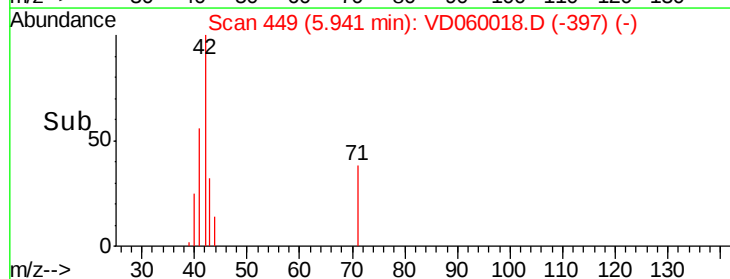
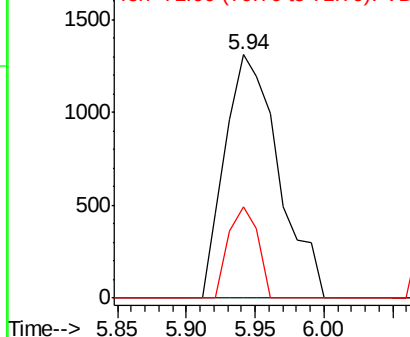
42 100

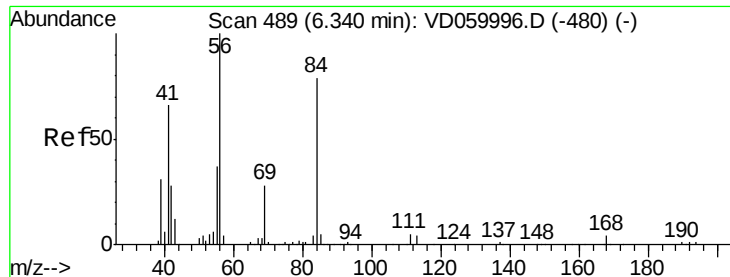
72 0.0 26.9 40.3#

71 20.5 26.2 39.4#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

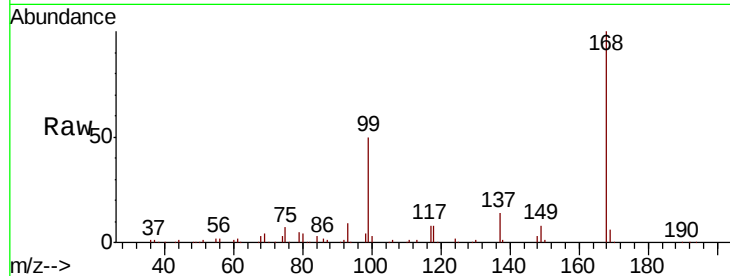




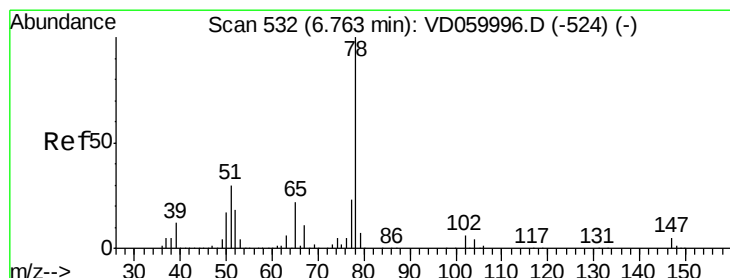
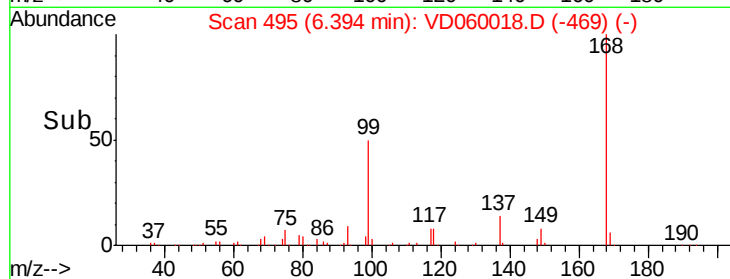
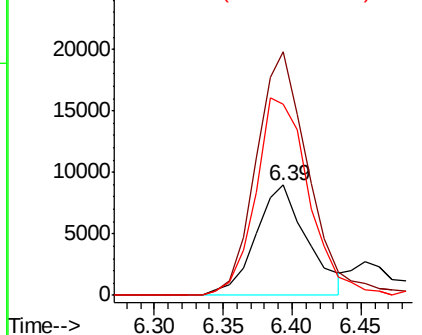
#31
Cyclohexane
Concen: 1.049 ug/l
RT: 6.39 min Scan# 495
Delta R.T. 0.05 min
Lab File: VD060018.D
Acq: 17 Sep 2018 13:45

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 23305
Ion Ratio Lower Upper
56 100
69 221.5 22.7 34.1#
84 173.7 64.0 96.0#

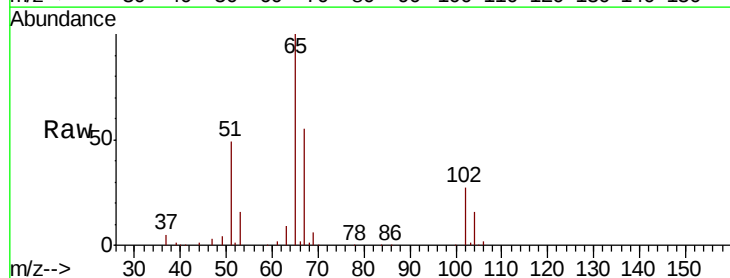


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

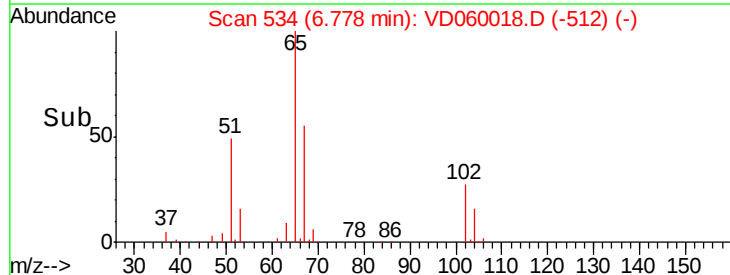
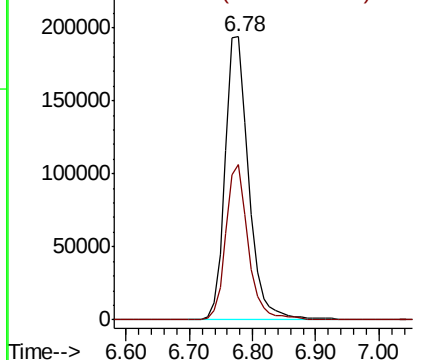


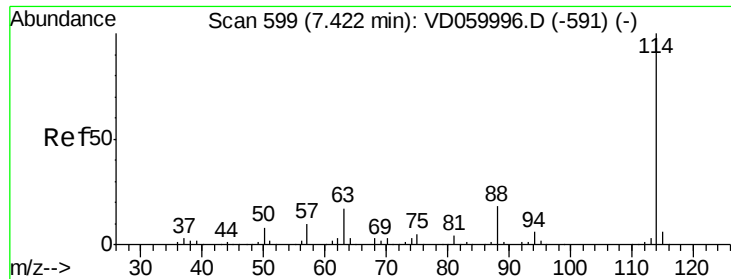
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060018.D
Acq: 17 Sep 2018 13:45

Tgt Ion: 65 Resp: 501340
Ion Ratio Lower Upper
65 100
67 54.8 0.0 104.8



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

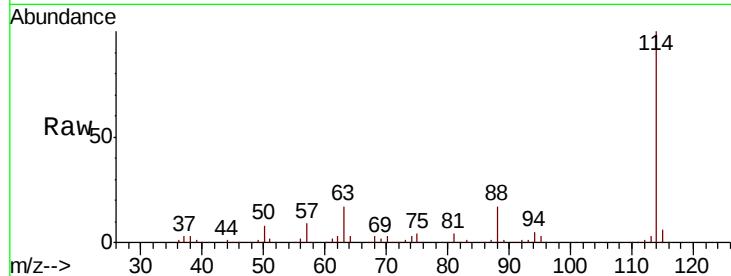




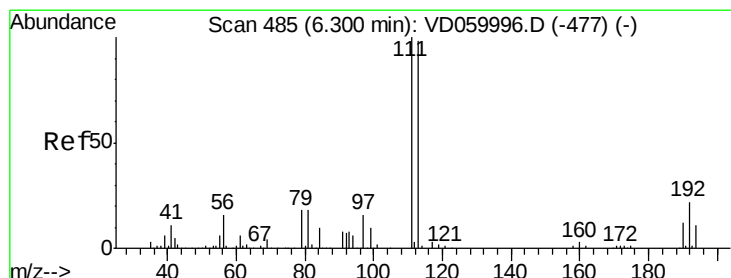
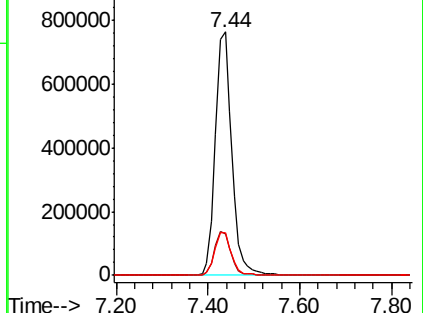
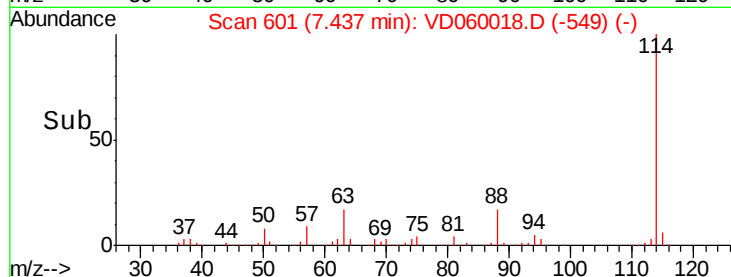
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.01 min
 Lab File: VD060018.D
 Acq: 17 Sep 2018 13:45

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:114 Resp: 1878454
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 34.4
 88 17.5 0.0 35.8

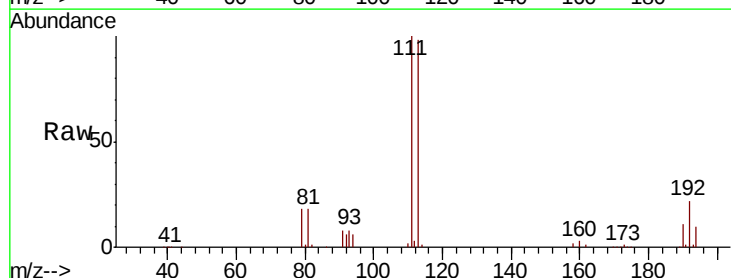


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

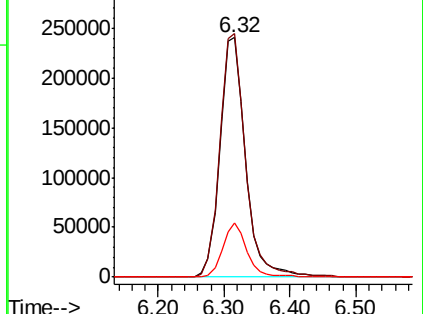
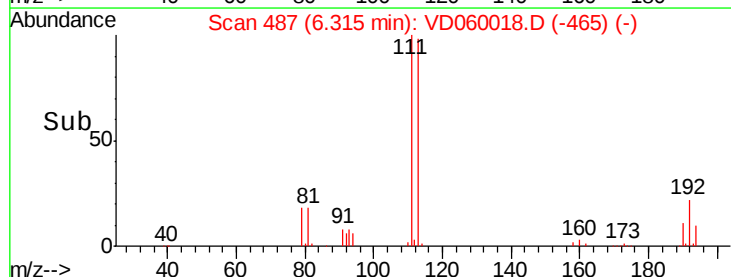


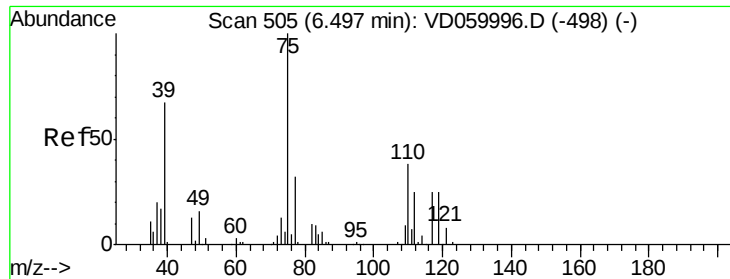
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. 0.01 min
 Lab File: VD060018.D
 Acq: 17 Sep 2018 13:45

Tgt Ion:113 Resp: 654597
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.3 121.9
 192 22.5 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: 4.810 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.10 min

Lab File: VD060018.D

Acq: 17 Sep 2018 13:45

Instrument :
MSVOA_D
ClientSampleId :

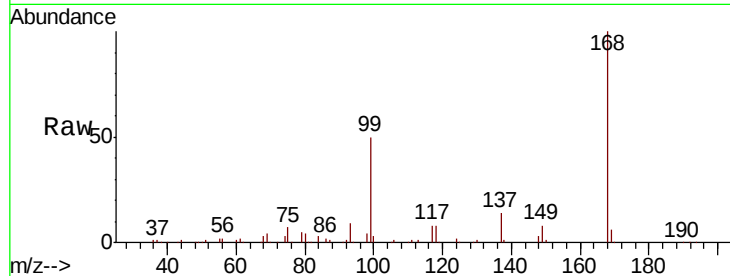
Tot Ion: 75 Resp: 89753

Ion Ratio Lower Upper

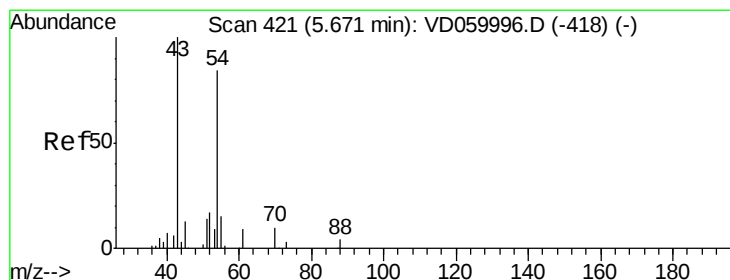
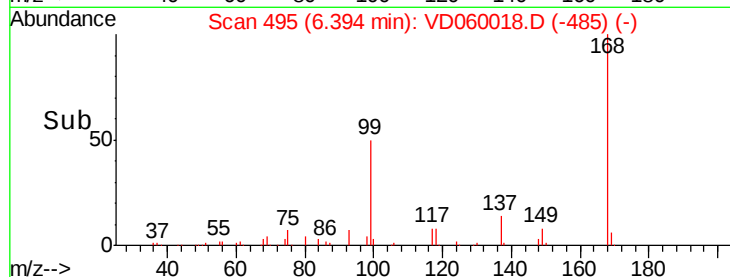
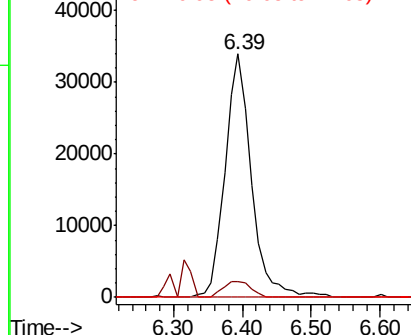
75 100

110 6.3 18.9 56.9#

77 0.0 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.267 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.06 min

Lab File: VD060018.D

Acq: 17 Sep 2018 13:45

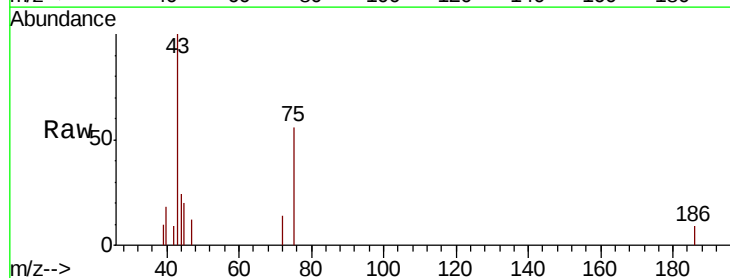
Tgt Ion: 43 Resp: 16256

Ion Ratio Lower Upper

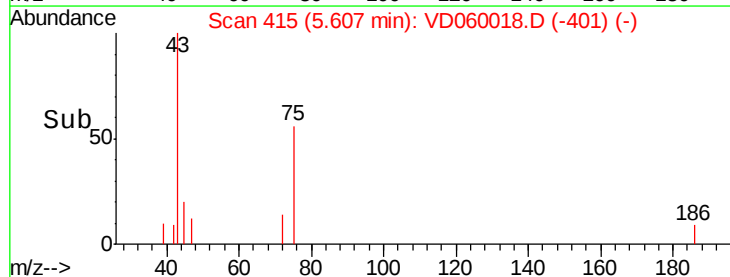
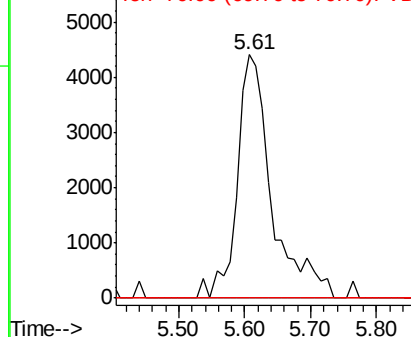
43 100

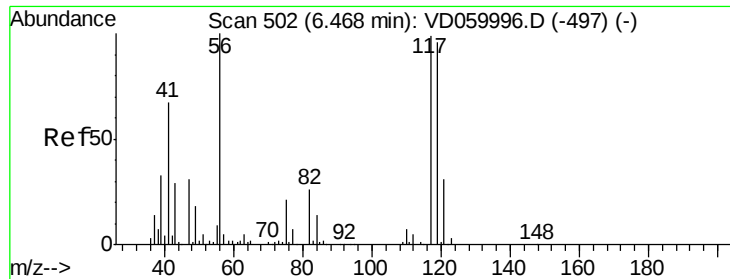
61 0.0 10.2 15.2#

70 0.0 6.1 9.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.665 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.07 min

Lab File: VD060018.D

Acq: 17 Sep 2018 13:45

Instrument :
MSVOA_D
ClientSampleId :

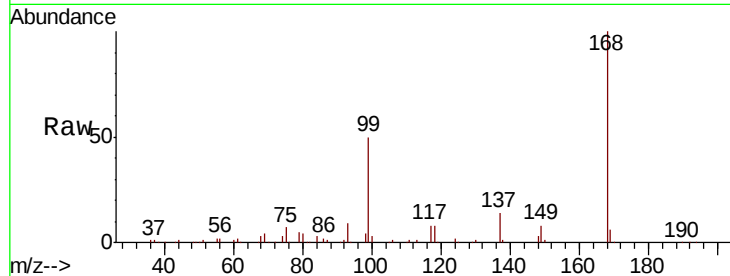
Tot Ion:117 Resp: 98677

Ion Ratio Lower Upper

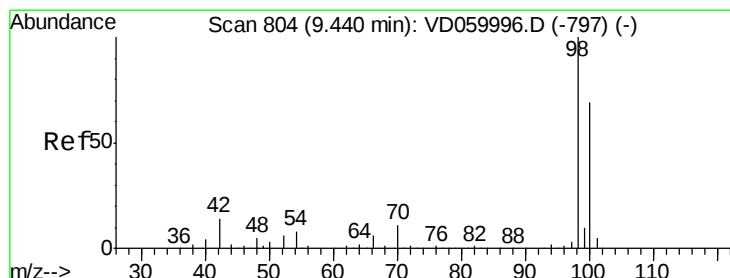
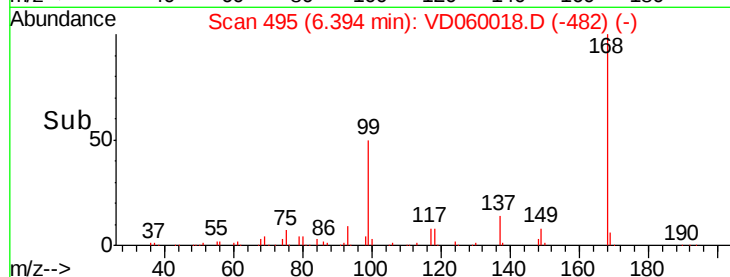
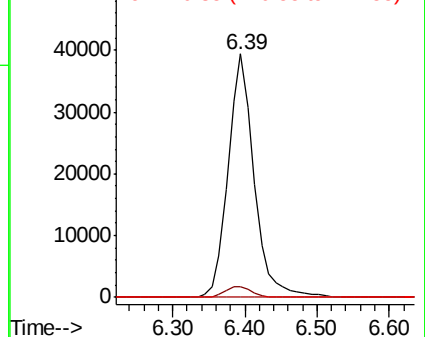
117 100

119 4.4 76.7 115.1#

121 0.0 24.9 37.3#



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.44 min Scan# 805

Delta R.T. 0.00 min

Lab File: VD060018.D

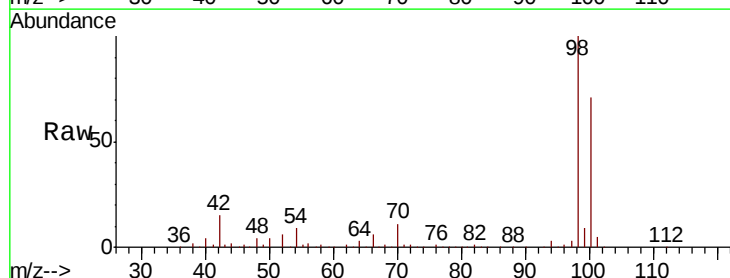
Acq: 17 Sep 2018 13:45

Tgt Ion: 98 Resp: 1627329

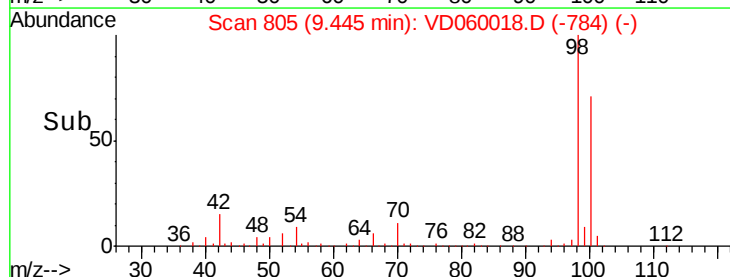
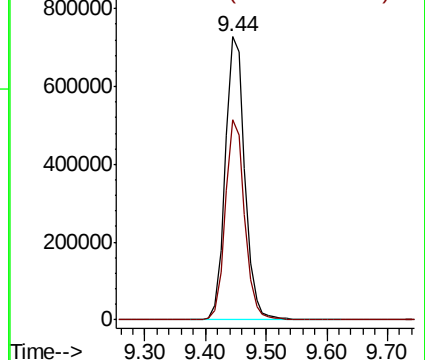
Ion Ratio Lower Upper

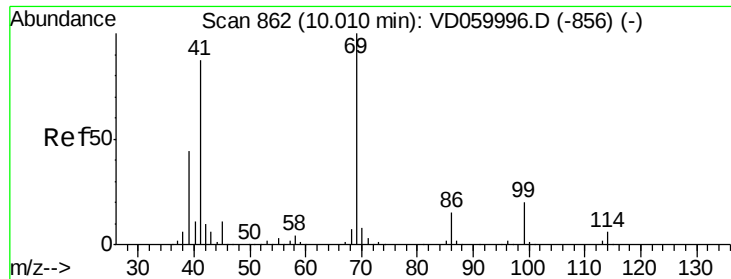
98 100

100 70.8 55.8 83.6



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





#56

Ethyl methacrylate

Concen: 3.440 ug/l

RT: 9.92 min Scan# 853

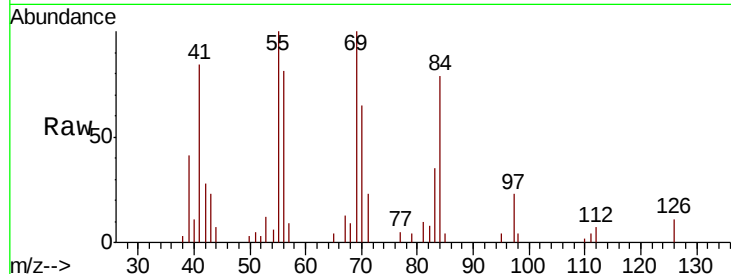
Delta R.T. -0.09 min

Lab File: VD060018.D

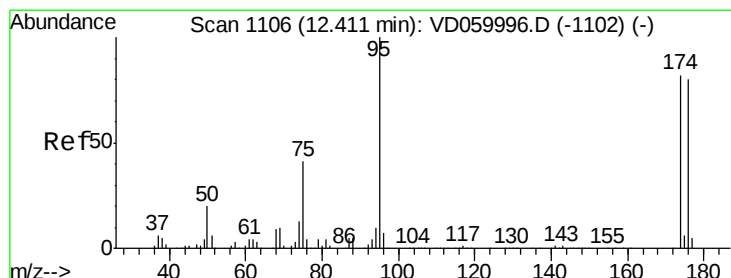
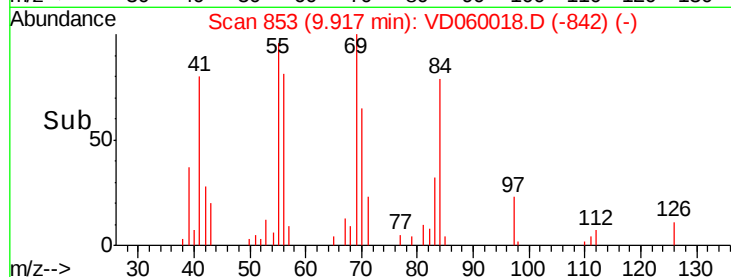
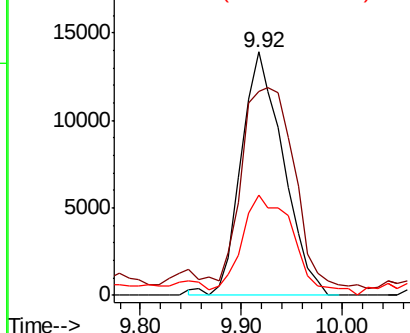
Acq: 17 Sep 2018 13:45

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	69	Resp:	40382
Ion	Ratio	Lower	Upper
69	100		
41	83.9	70.1	105.1
39	41.3	36.5	54.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

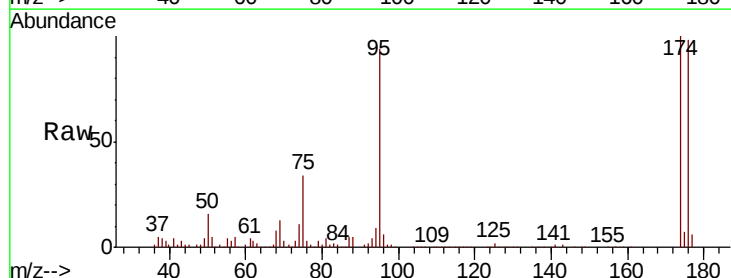
RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

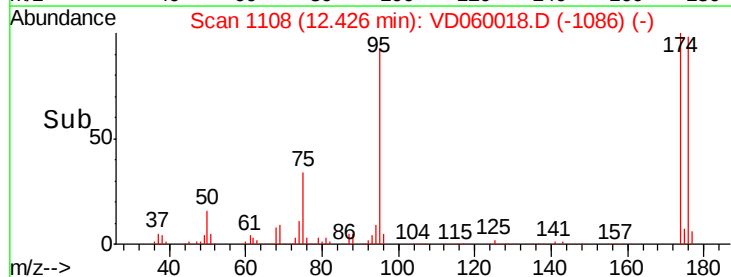
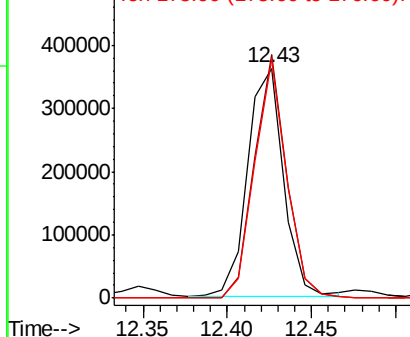
Lab File: VD060018.D

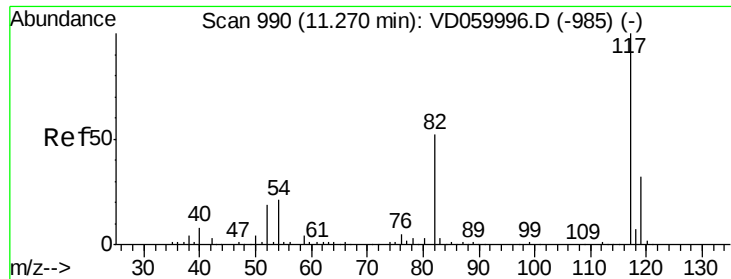
Acq: 17 Sep 2018 13:45

Tgt Ion:	95	Resp:	538009
Ion	Ratio	Lower	Upper
95	100		
174	105.9	0.0	165.0
176	103.9	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

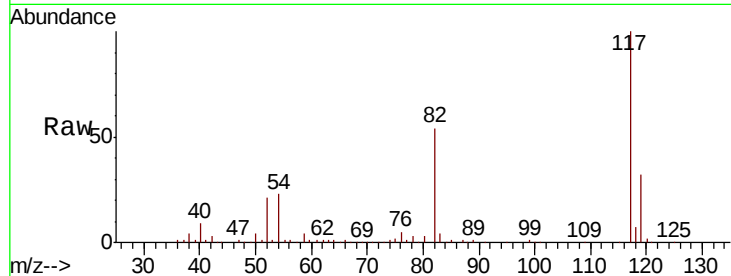




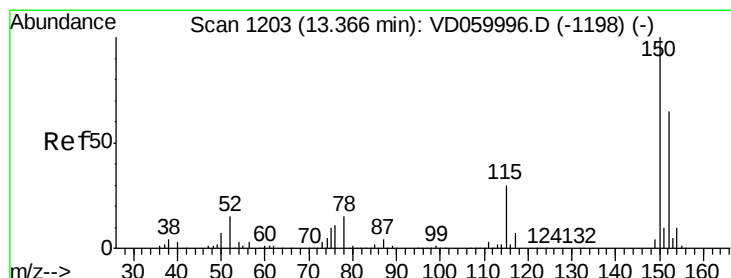
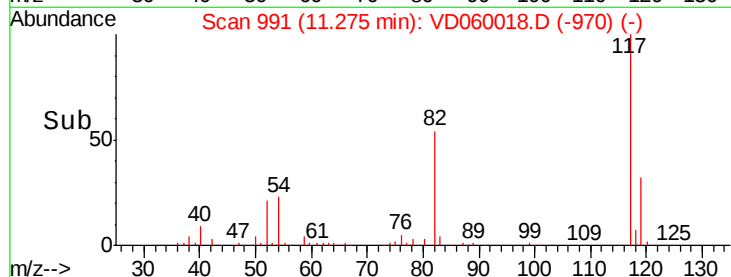
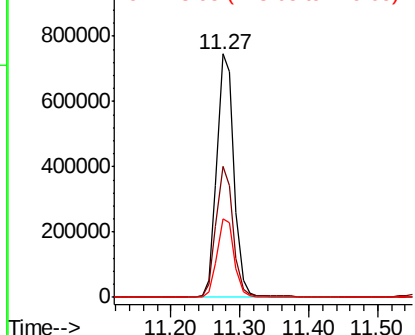
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD060018.D
Acq: 17 Sep 2018 13:45

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:117 Resp: 1290302
Ion Ratio Lower Upper
117 100
82 54.0 41.7 62.5
119 32.4 26.0 39.0

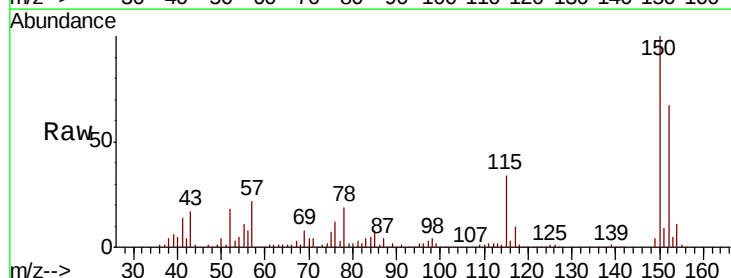


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

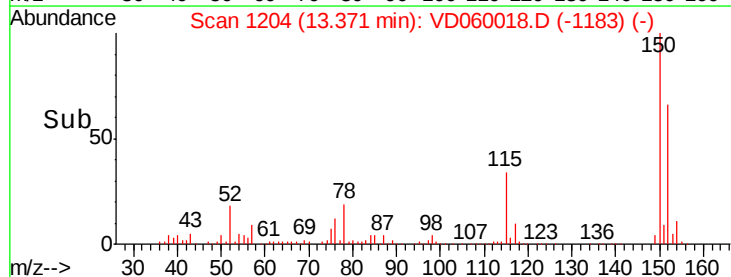
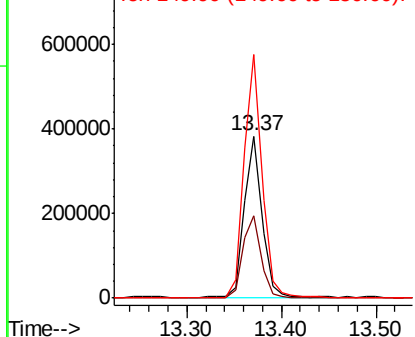


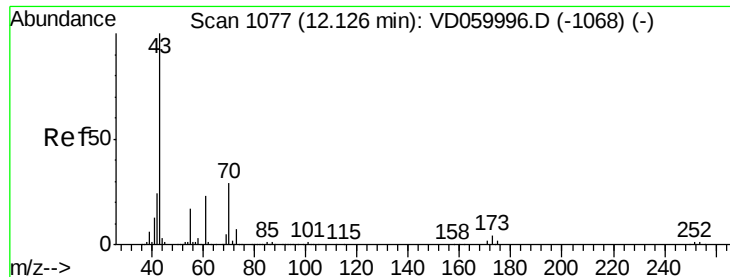
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.00 min
Lab File: VD060018.D
Acq: 17 Sep 2018 13:45

Tgt Ion:152 Resp: 502419
Ion Ratio Lower Upper
152 100
115 50.9 24.6 73.8
150 150.2 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





#74

N-amvl acetate

Concen: 10.517 ug/l

RT: 12.08 min Scan# 1073

Delta R.T. -0.04 min

Lab File: VD060018.D

Acq: 17 Sep 2018 13:45

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 137266

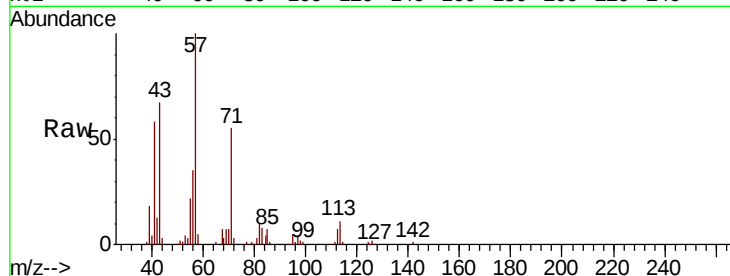
Ion Ratio Lower Upper

43 100

70 9.9 22.9 34.3#

55 32.5 14.0 21.0#

61 0.0 18.7 28.1#

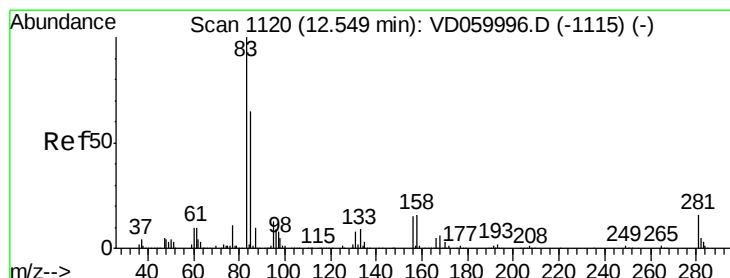
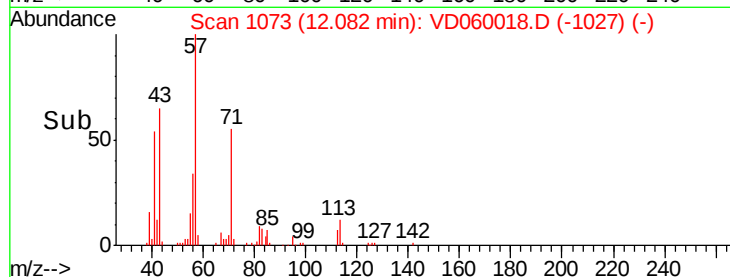
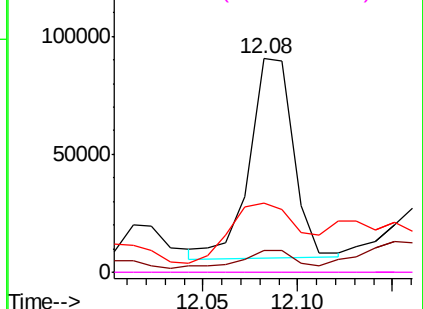


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 8.883 ug/l

RT: 12.57 min Scan# 1123

Delta R.T. 0.02 min

Lab File: VD060018.D

Acq: 17 Sep 2018 13:45

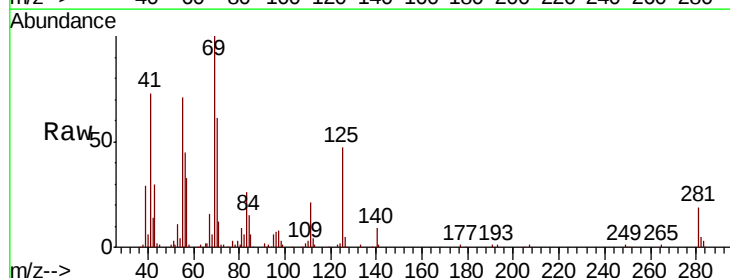
Tgt Ion: 83 Resp: 66403

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

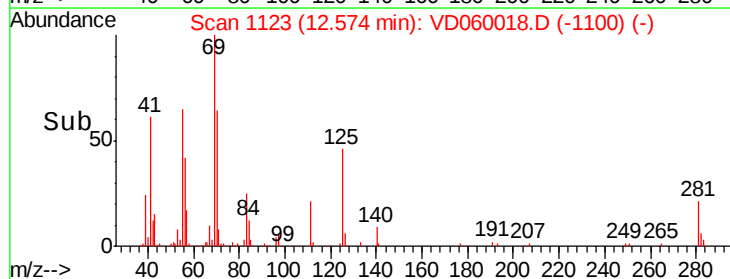
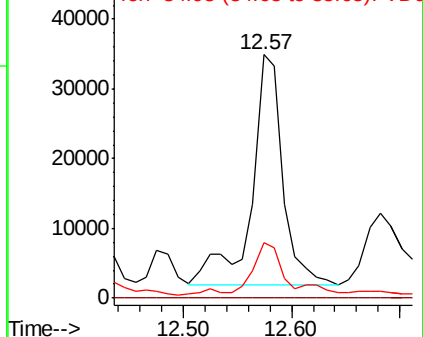
85 22.5 32.4 97.2#

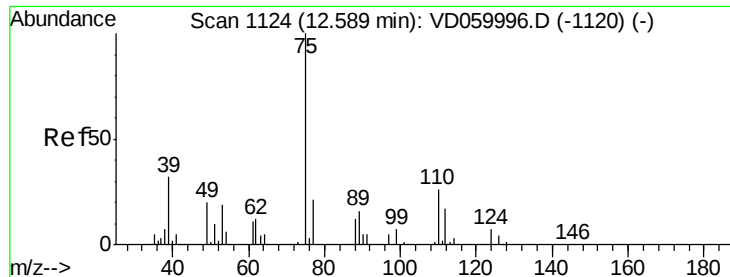


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC





#76

1,2,3-Trichloropropane

Concen: 24.365 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060018.D

Acq: 17 Sep 2018 13:45

Instrument :

MSVOA_D

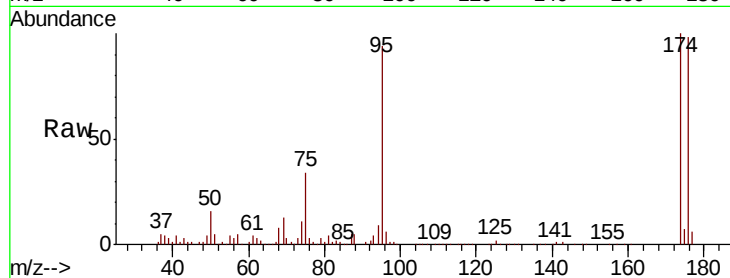
ClientSampled :

Tot Ion: 75 Resp: 186962

Ion Ratio Lower Upper

75 100

77 2.1 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

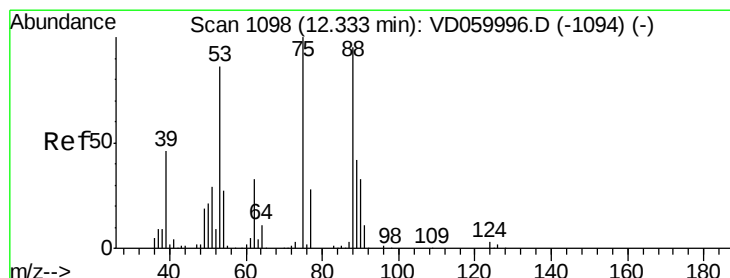
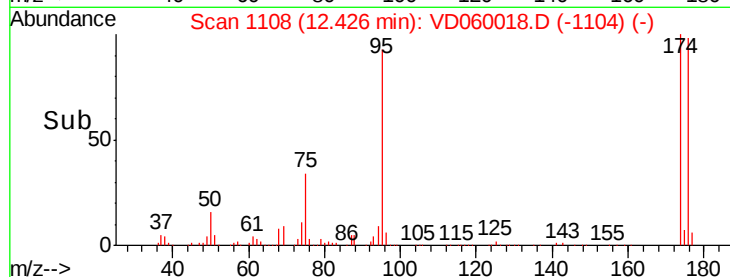
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 89.067 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.09 min

Lab File: VD060018.D

Acq: 17 Sep 2018 13:45

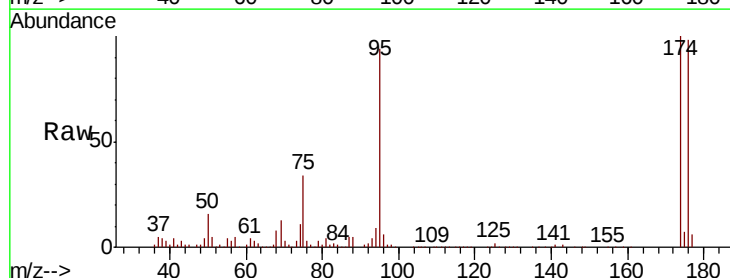
Tgt Ion: 75 Resp: 206306

Ion Ratio Lower Upper

75 100

53 1.6 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

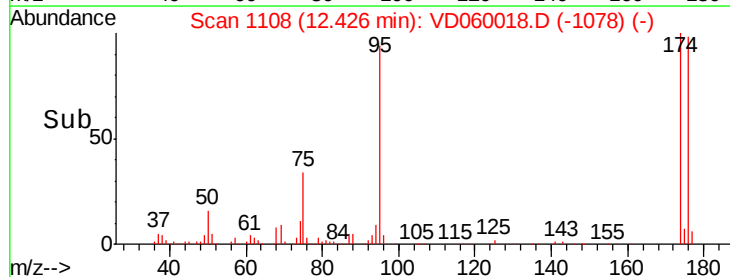
150000

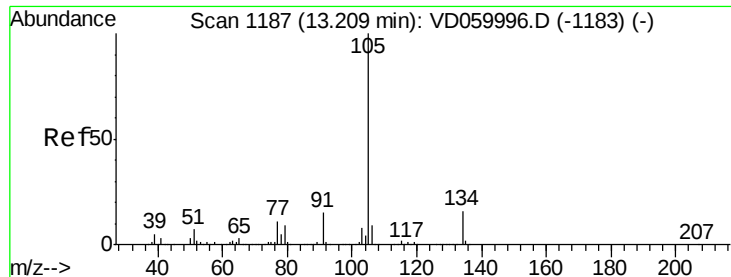
100000

50000

0

Time-->





#85

sec-Butylbenzene

Concen: 1.435 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD060018.D

Acq: 17 Sep 2018 13:45

Instrument :

MSVOA_D

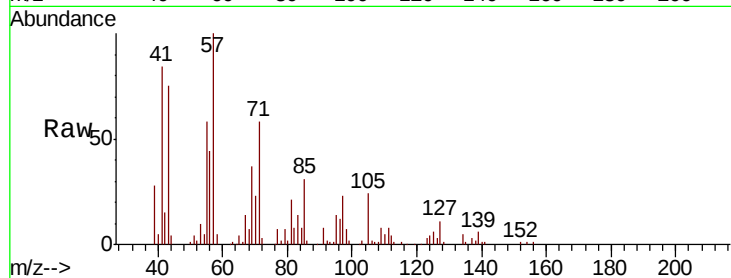
ClientSampleId :

Tot Ion:105 Resp: 49838

Ion Ratio Lower Upper

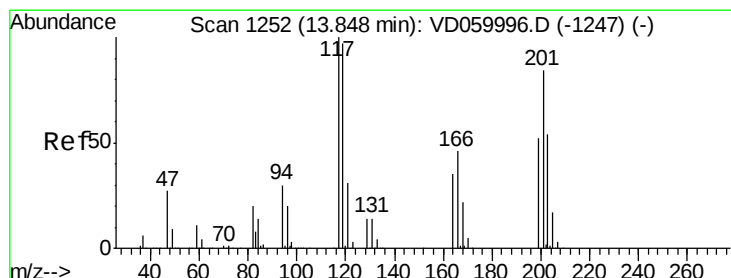
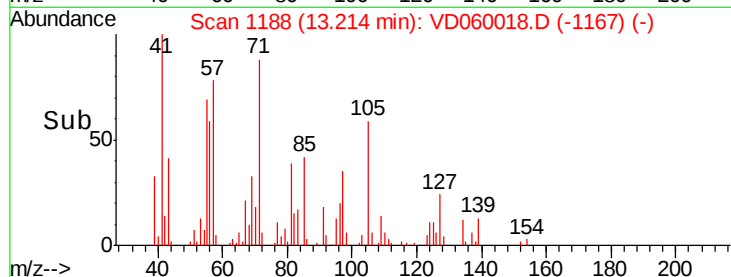
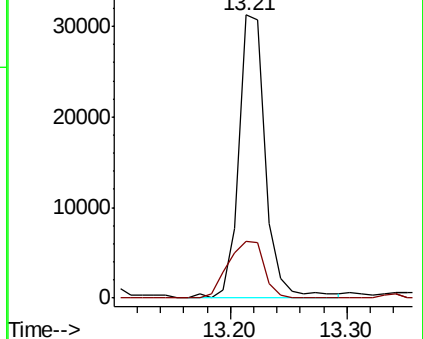
105 100

134 20.2 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 6.322 ug/l

RT: 13.94 min Scan# 1262

Delta R.T. 0.09 min

Lab File: VD060018.D

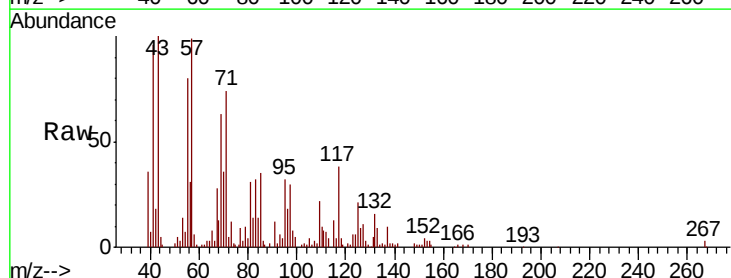
Acq: 17 Sep 2018 13:45

Tgt Ion:117 Resp: 43985

Ion Ratio Lower Upper

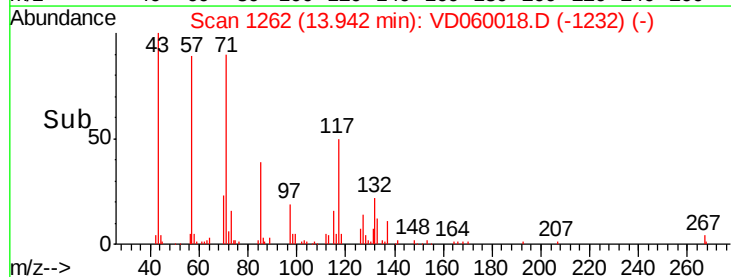
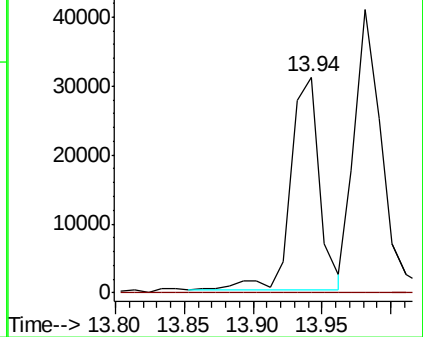
117 100

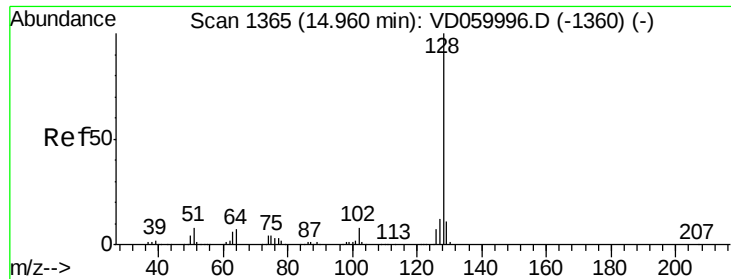
201 0.0 42.1 126.4#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#95

Naphthalene

Concen: 1.089 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: VD060018.D

Acq: 17 Sep 2018 13:45

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:128 Resp: 19781

Ion Ratio Lower Upper

128 100

127 39.3 9.7 14.5#

129 54.7 8.9 13.3#

