

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122218\
 Data File : VD060701.D
 Acq On : 22 Dec 2018 11:31
 Operator : VA/AP
 Sample : VD122218SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBL01

Quant Time: Dec 24 02:17:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	1556287	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.47	114	2121754	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.30	117	1747080	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.39	152	873007	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.82	65	516286	48.00	ug/l	0.03
Spiked Amount 50.000			Recovery	=	96.00%	
35) Dibromofluoromethane	6.36	113	719241	46.31	ug/l	0.03
Spiked Amount 50.000			Recovery	=	92.62%	
50) Toluene-d8	9.49	98	2196685	47.41	ug/l	0.03
Spiked Amount 50.000			Recovery	=	94.82%	
62) 4-Bromofluorobenzene	12.44	95	769528	47.42	ug/l	0.02
Spiked Amount 50.000			Recovery	=	94.84%	

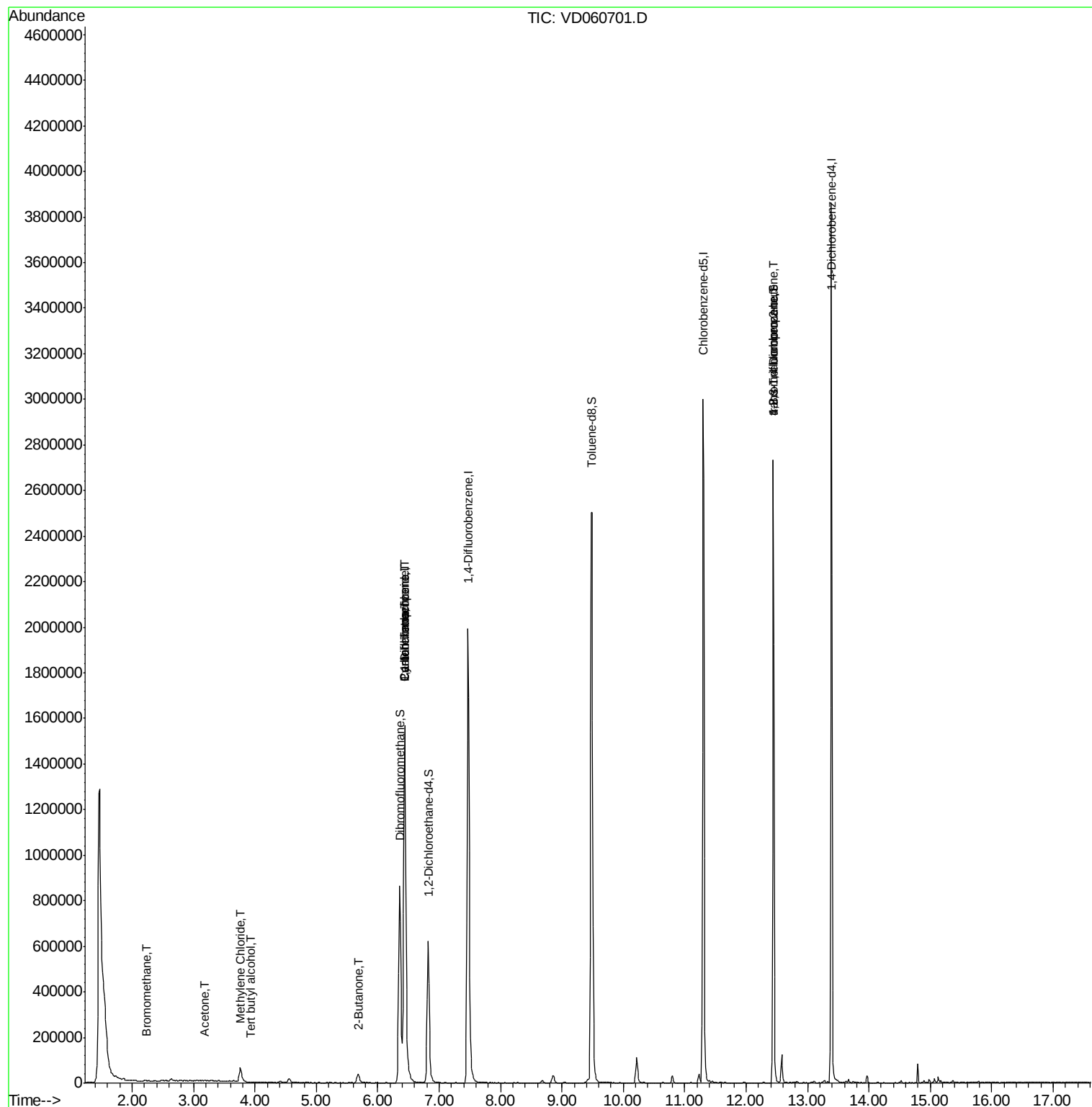
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.23	94	3571	1.097	ug/l #	48
11) Tert butyl alcohol	3.94	59	461	1.026	ug/l #	74
16) Acetone	3.17	43	3858	2.054	ug/l #	53
20) Methylene Chloride	3.76	84	38383	1.968	ug/l	92
25) 2-Butanone	5.67	43	4190	1.166	ug/l #	61
31) Cyclohexane	6.44	56	29854	1.099	ug/l #	1
36) 1,1-Dichloropropene	6.44	75	108952	4.987	ug/l #	45
38) Carbon Tetrachloride	6.44	117	121361	6.296	ug/l #	15
76) 1,2,3-Trichloropropane	12.44	75	299129	30.096	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.44	75	304397	110.835	ug/l #	13

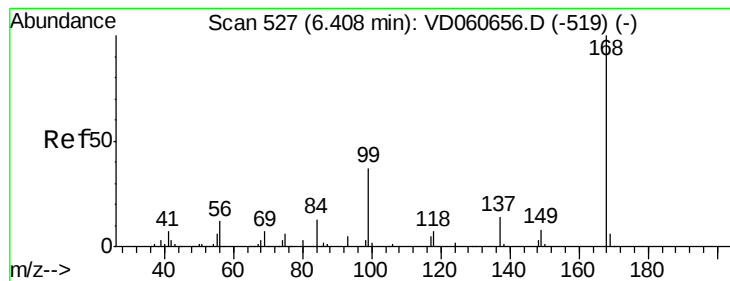
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122218\
Data File : VD060701.D
Acq On : 22 Dec 2018 11:31
Operator : VA/AP
Sample : VD122218SBL01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBL01

Quant Time: Dec 24 02:17:34 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.44 min Scan# 530

Delta R.T. 0.03 min

Lab File: VD060701.D

Acq: 22 Dec 2018 11:31

Instrument :

MSVOA_D

ClientSampleId :

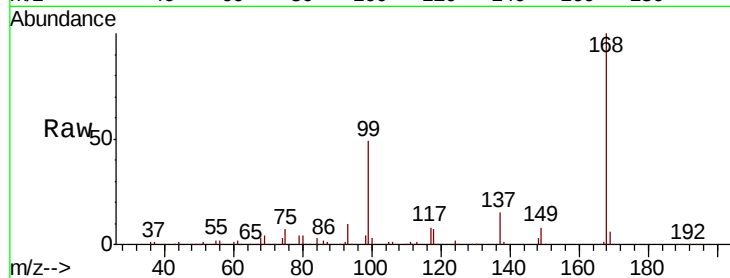
VD1222SBL01

Tot Ion:168 Resp: 1556287

Ion Ratio Lower Upper

168 100

99 49.3 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.44

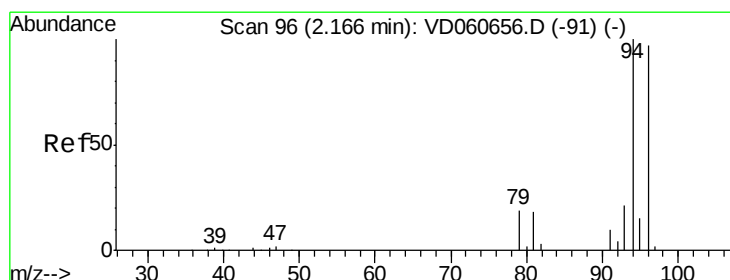
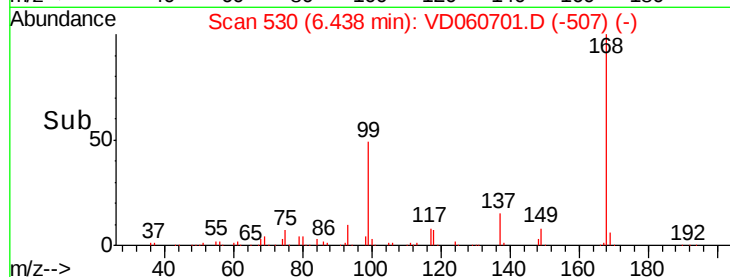
600000

400000

200000

0

Time-->



#5

Bromomethane

Concen: 1.097 ug/l

RT: 2.23 min Scan# 102

Delta R.T. 0.06 min

Lab File: VD060701.D

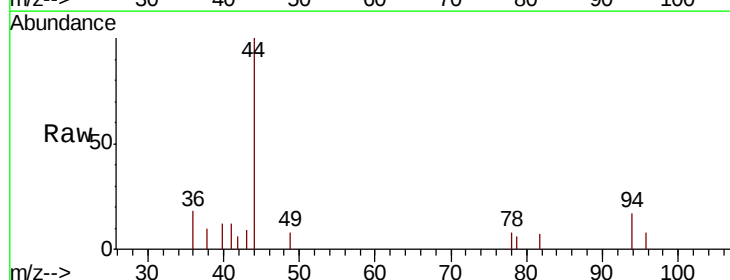
Acq: 22 Dec 2018 11:31

Tgt Ion: 94 Resp: 3571

Ion Ratio Lower Upper

94 100

96 45.4 77.2 115.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.23

1000

800

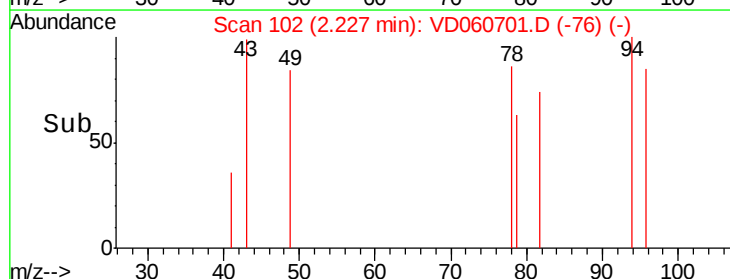
600

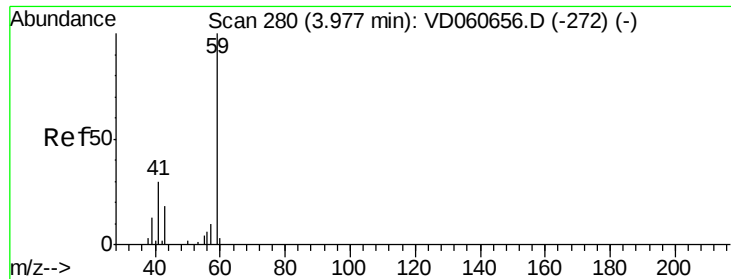
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200

0

Time-->

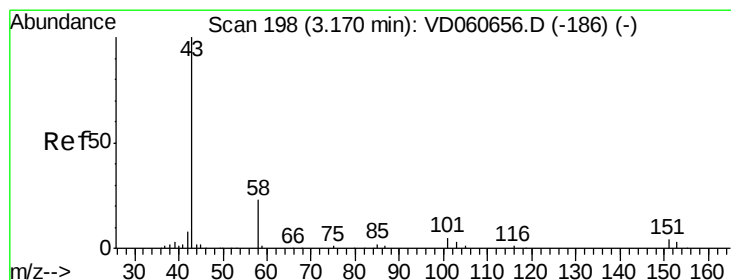
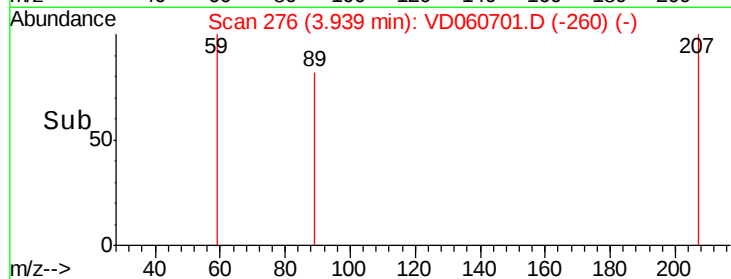
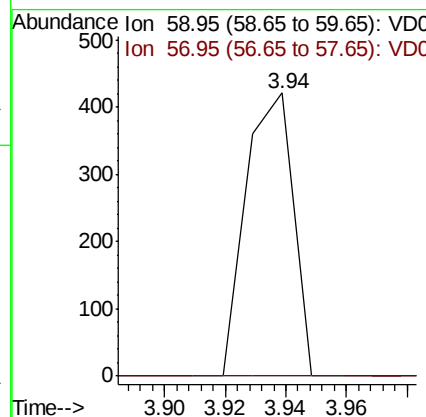
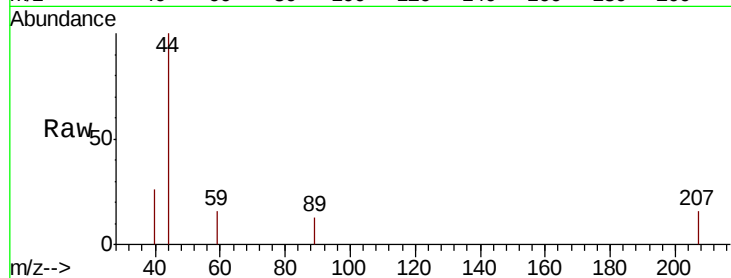




#11
Tert butyl alcohol
Concen: 1.026 ug/l
RT: 3.94 min Scan# 276
Delta R.T. -0.04 min
Lab File: VD060701.D
Acq: 22 Dec 2018 11:31

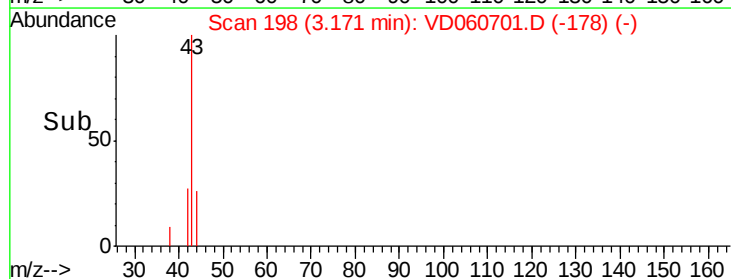
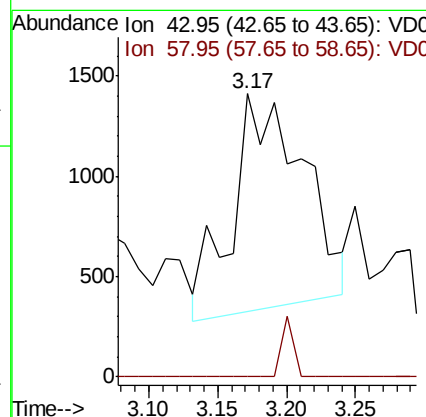
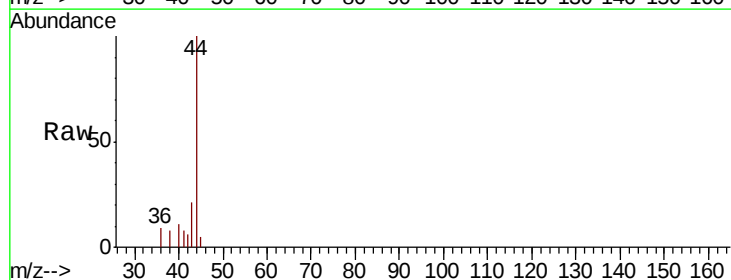
Instrument :
MSVOA_D
ClientSampleId :
VD1222SBL01

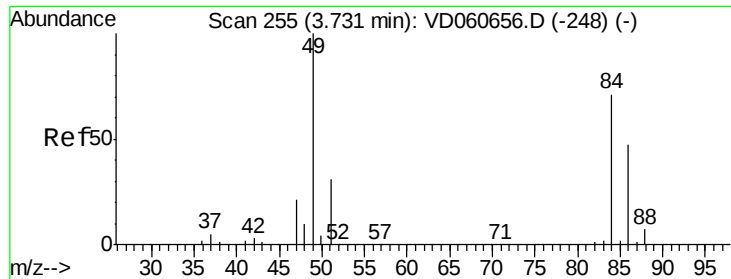
Tot Ion: 59 Resp: 461
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 2.054 ug/l
RT: 3.17 min Scan# 198
Delta R.T. 0.00 min
Lab File: VD060701.D
Acq: 22 Dec 2018 11:31

Tgt Ion: 43 Resp: 3858
Ion Ratio Lower Upper
43 100
58 0.0 18.2 27.2#

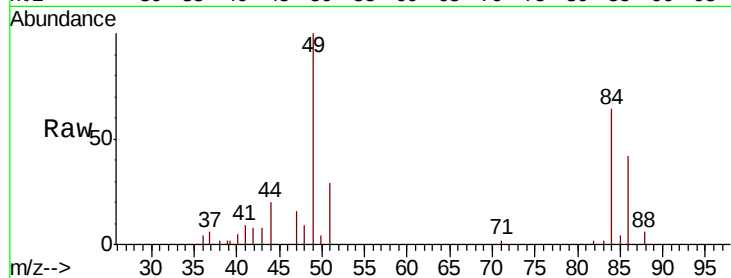




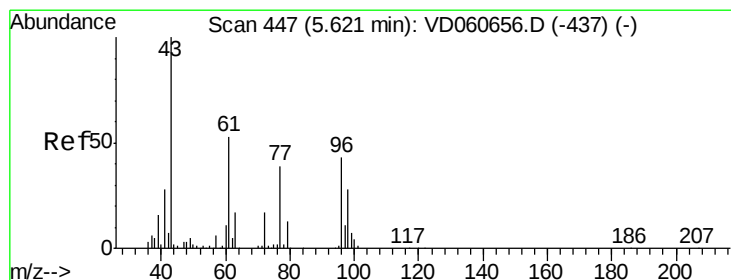
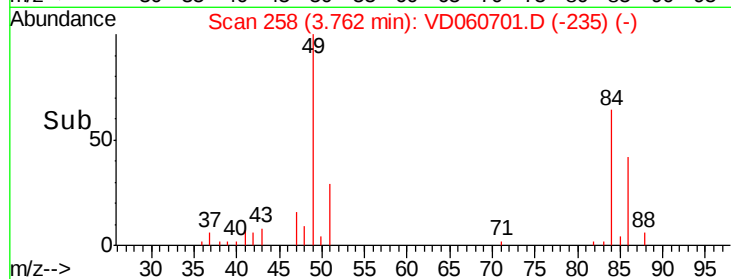
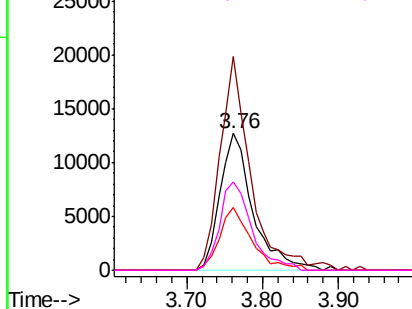
#20
Methvlene Chloride
Concen: 1.968 ug/l
RT: 3.76 min Scan# 258
Delta R.T. 0.03 min
Lab File: VD060701.D
Acq: 22 Dec 2018 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBL01

Tot Ion: 84 Resp: 38383
Ion Ratio Lower Upper
84 100
49 156.6 113.6 170.4
51 46.0 34.7 52.1
86 65.0 52.8 79.2

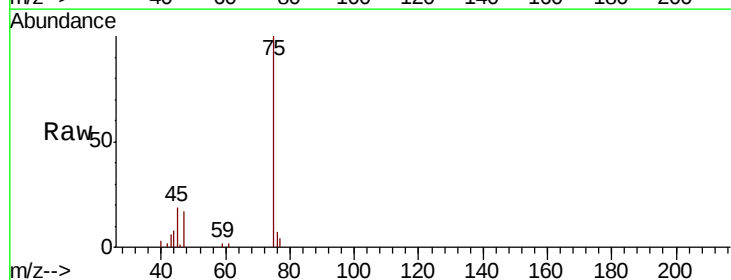


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

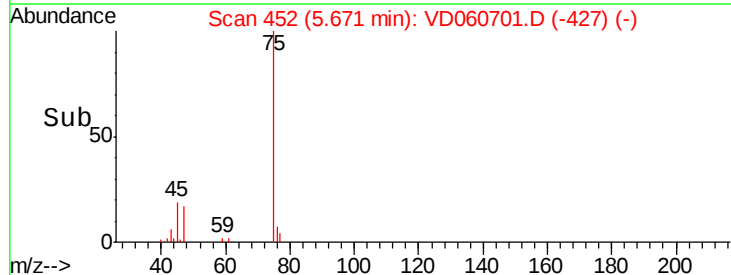
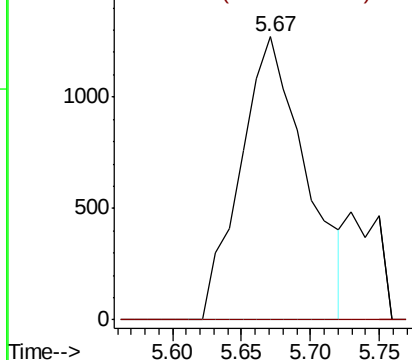


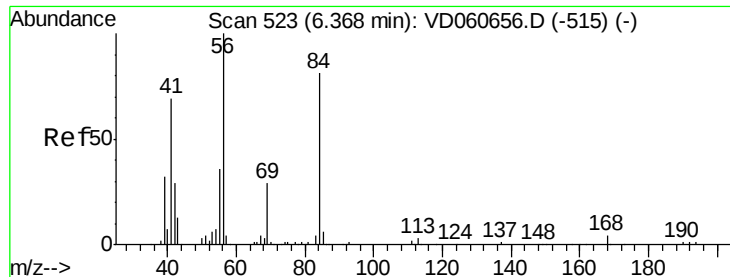
#25
2-Butanone
Concen: 1.166 ug/l
RT: 5.67 min Scan# 452
Delta R.T. 0.05 min
Lab File: VD060701.D
Acq: 22 Dec 2018 11:31

Tgt Ion: 43 Resp: 4190
Ion Ratio Lower Upper
43 100
72 0.0 13.7 20.5#



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

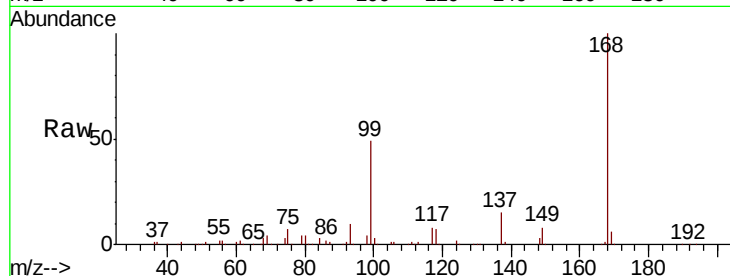




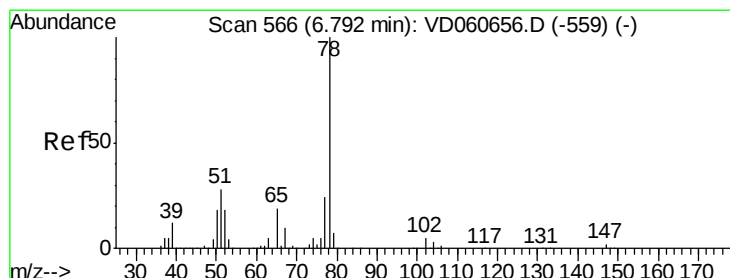
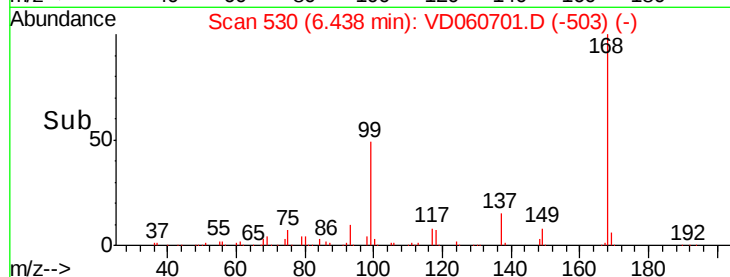
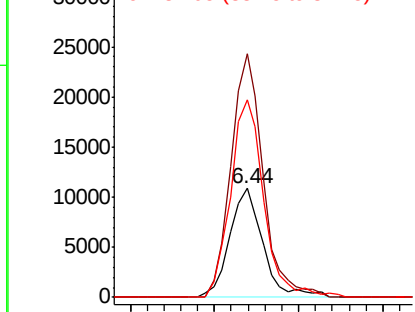
#31
Cyclohexane
Concen: 1.099 ug/l
RT: 6.44 min Scan# 530
Delta R.T. 0.07 min
Lab File: VD060701.D
Acq: 22 Dec 2018 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBL01

Tot Ion: 56 Resp: 29854
Ion Ratio Lower Upper
56 100
69 223.3 23.6 35.4#
84 181.1 65.8 98.6#

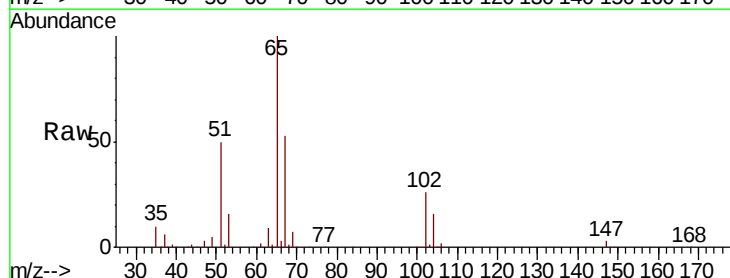


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

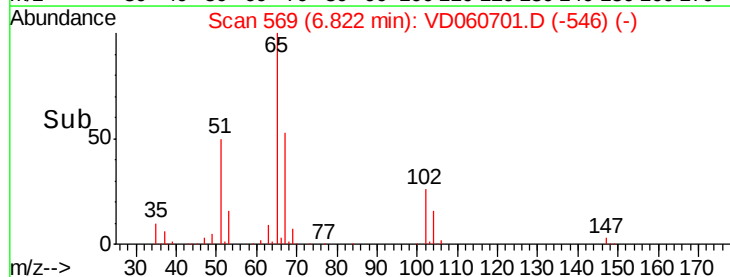
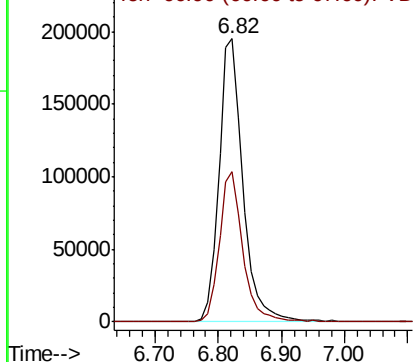


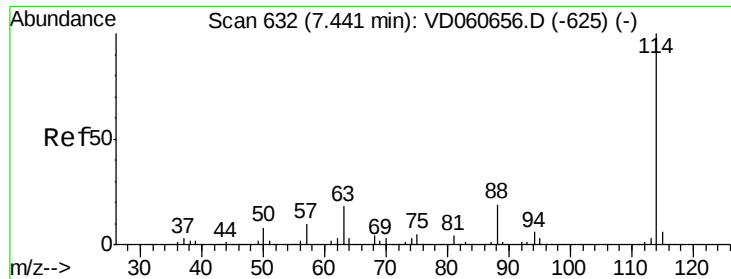
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.82 min Scan# 569
Delta R.T. 0.03 min
Lab File: VD060701.D
Acq: 22 Dec 2018 11:31

Tgt Ion: 65 Resp: 516286
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.4



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

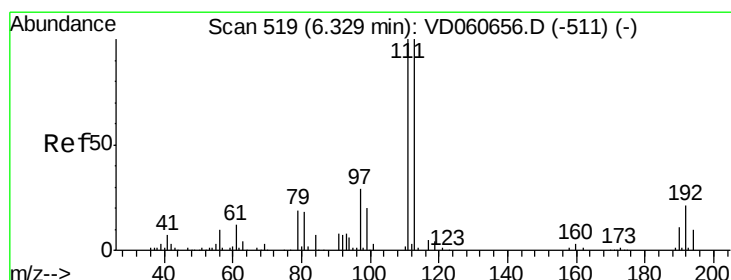
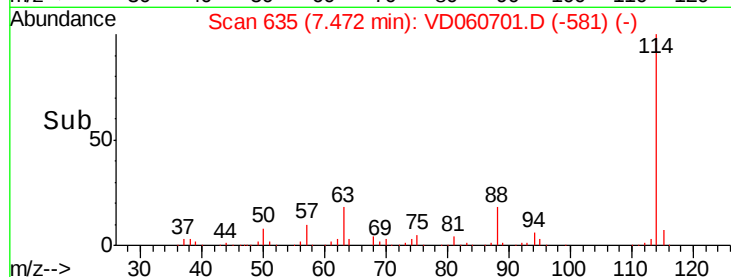
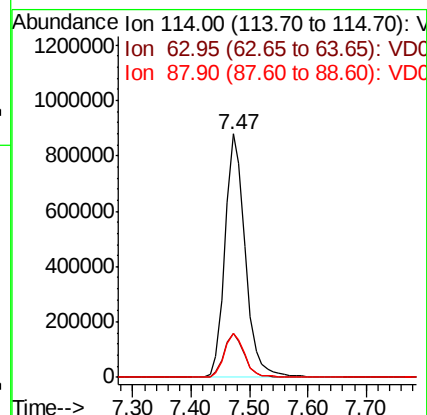
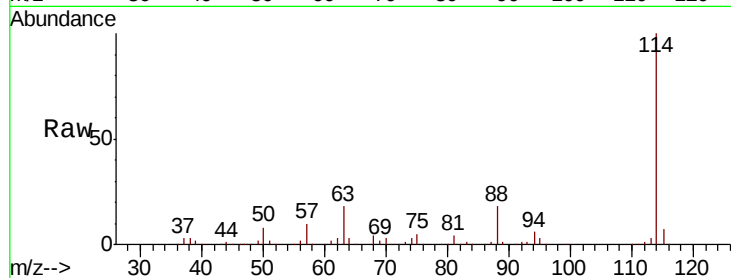




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.47 min Scan# 635
 Delta R.T. 0.03 min
 Lab File: VD060701.D
 Acq: 22 Dec 2018 11:31

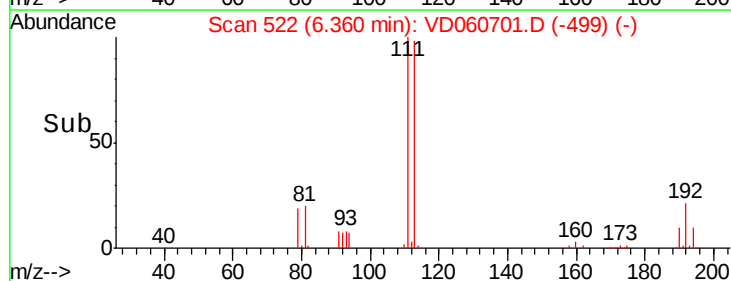
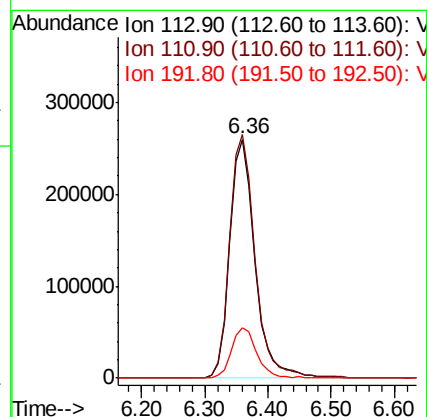
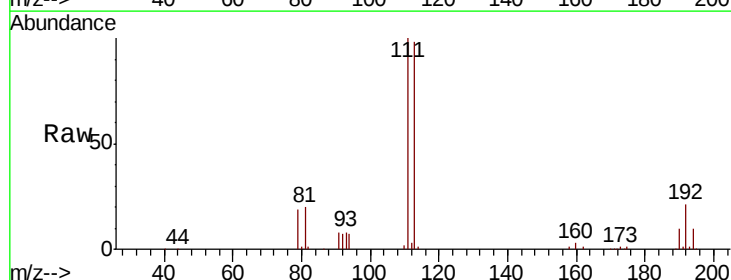
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBL01

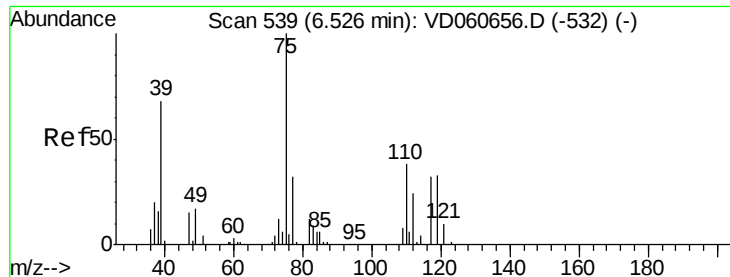
Tot Ion:114 Resp: 2121754
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.2
 88 18.0 0.0 37.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.36 min Scan# 522
 Delta R.T. 0.03 min
 Lab File: VD060701.D
 Acq: 22 Dec 2018 11:31

Tgt Ion:113 Resp: 719241
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.0 120.0
 192 21.2 16.6 25.0





#36

1,1-Dichloropropene

Concen: 4.987 ug/l

RT: 6.44 min Scan# 530

Delta R.T. -0.09 min

Lab File: VD060701.D

Acq: 22 Dec 2018 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD1222SBL01

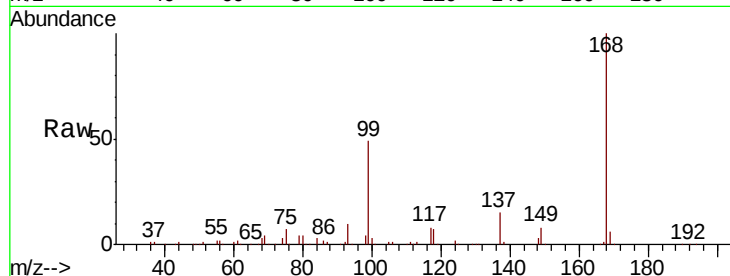
Tot Ion: 75 Resp: 108952

Ion Ratio Lower Upper

75 100

110 5.9 18.9 56.7#

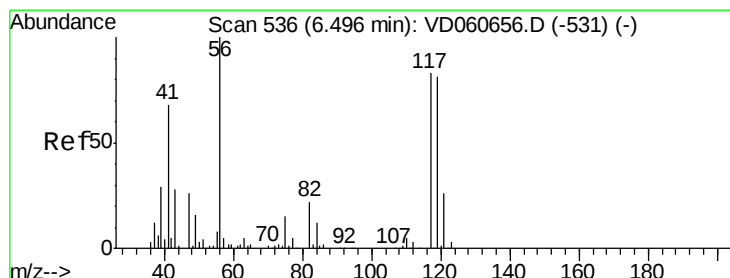
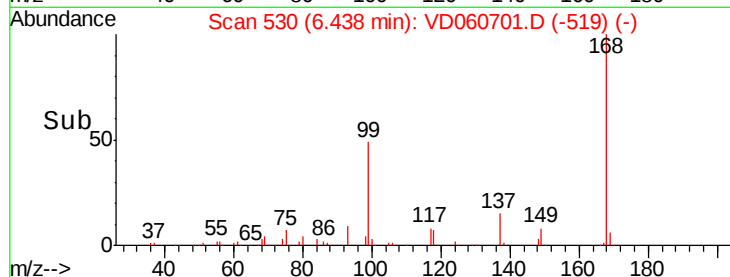
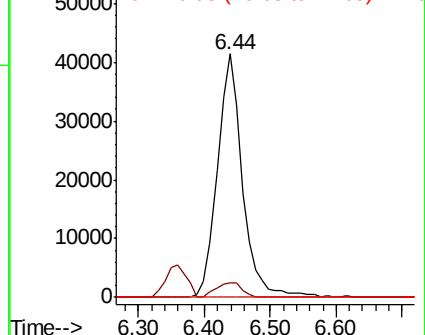
77 0.0 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 6.296 ug/l

RT: 6.44 min Scan# 530

Delta R.T. -0.06 min

Lab File: VD060701.D

Acq: 22 Dec 2018 11:31

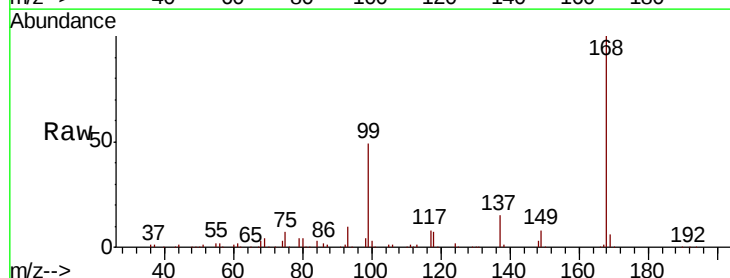
Tgt Ion: 117 Resp: 121361

Ion Ratio Lower Upper

117 100

119 4.7 77.0 115.4#

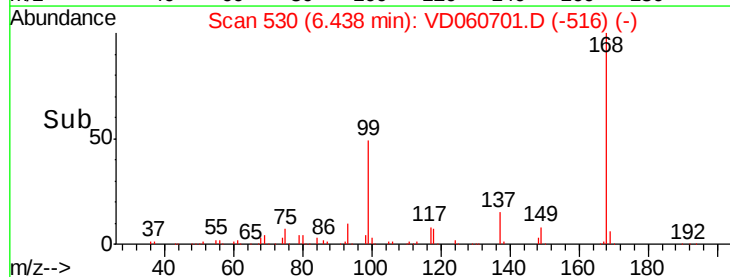
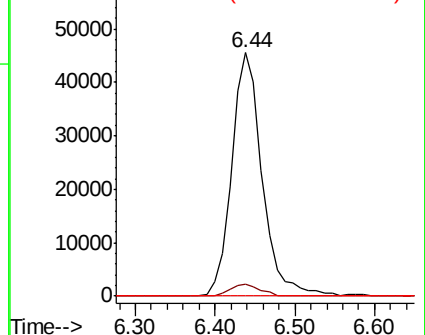
121 0.0 24.7 37.1#

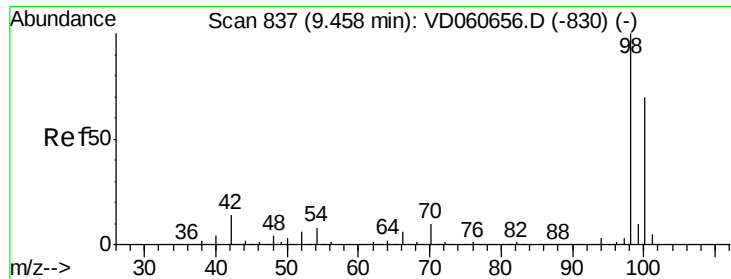


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

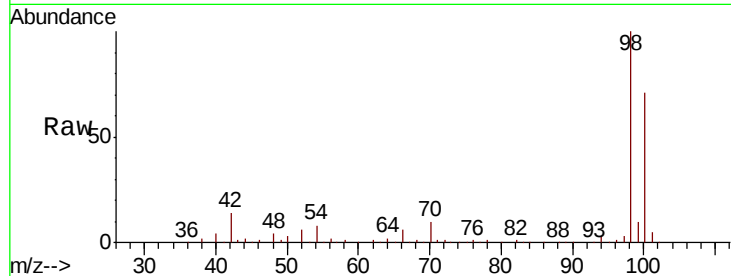




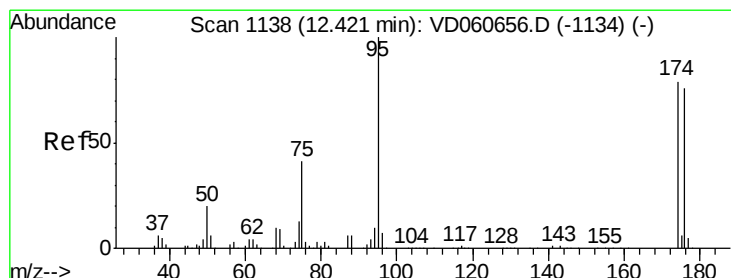
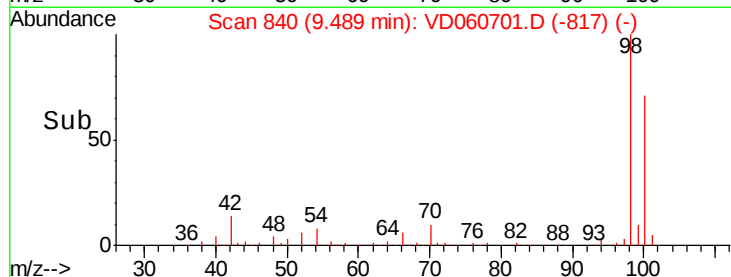
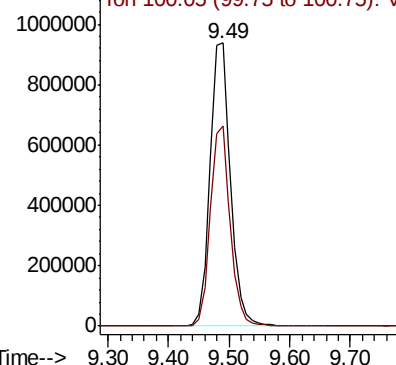
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.49 min Scan# 840
Delta R.T. 0.03 min
Lab File: VD060701.D
Acq: 22 Dec 2018 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBL01

Tot Ion: 98 Resp: 2196685
Ion Ratio Lower Upper
98 100
100 70.5 55.8 83.8

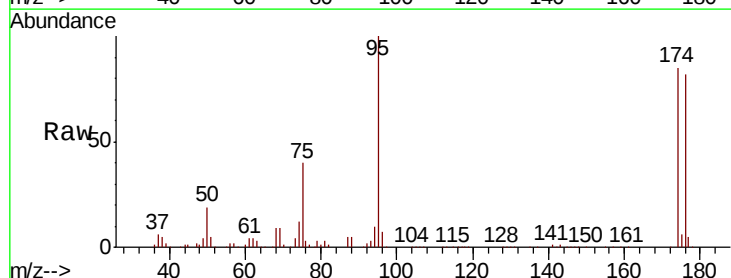


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

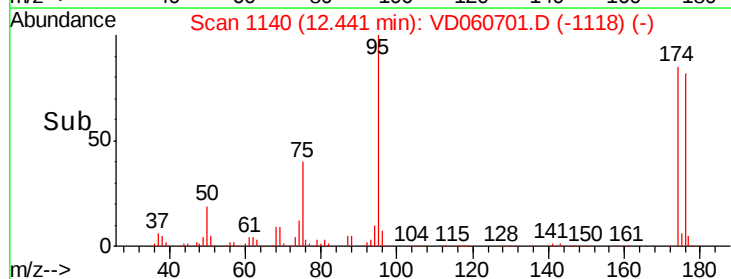
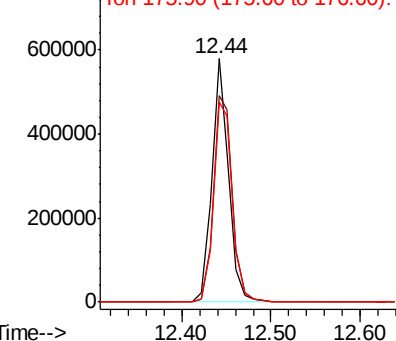


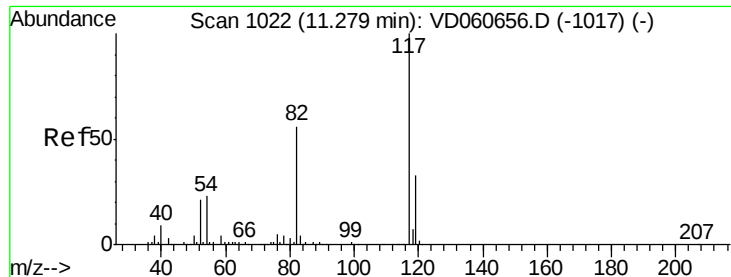
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.44 min Scan# 1140
Delta R.T. 0.02 min
Lab File: VD060701.D
Acq: 22 Dec 2018 11:31

Tgt Ion: 95 Resp: 769528
Ion Ratio Lower Upper
95 100
174 84.8 0.0 158.2
176 82.3 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

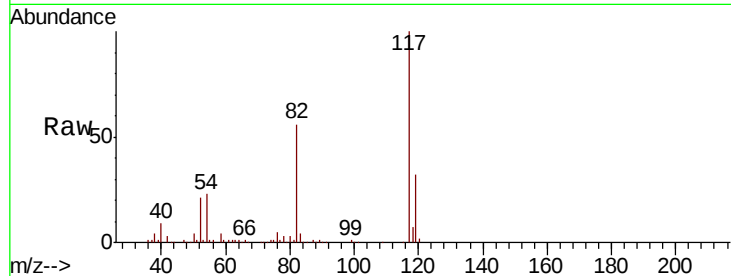




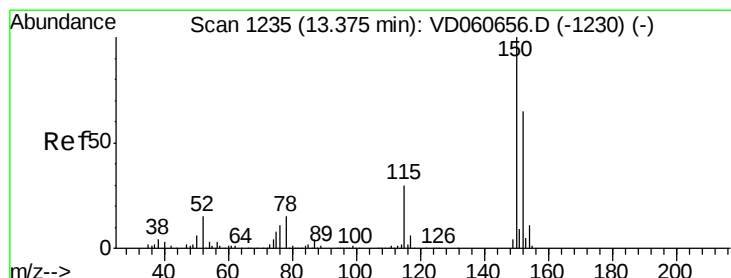
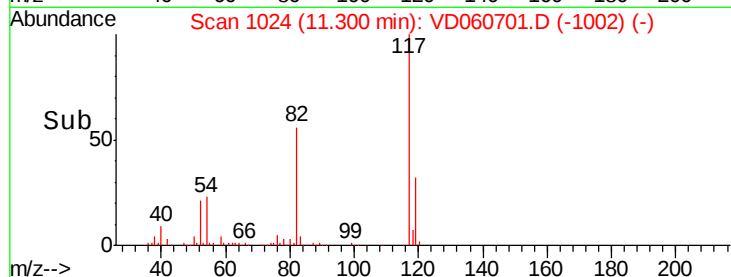
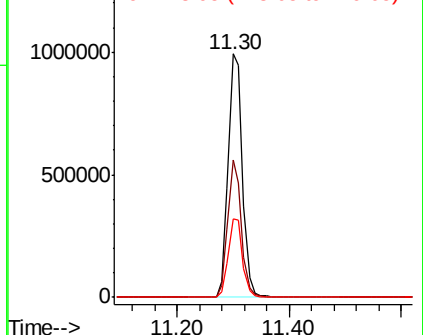
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 1024
Delta R.T. 0.02 min
Lab File: VD060701.D
Acq: 22 Dec 2018 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1222SBL01

Tot Ion:117 Resp: 1747080
Ion Ratio Lower Upper
117 100
82 56.3 44.5 66.7
119 32.3 26.3 39.5

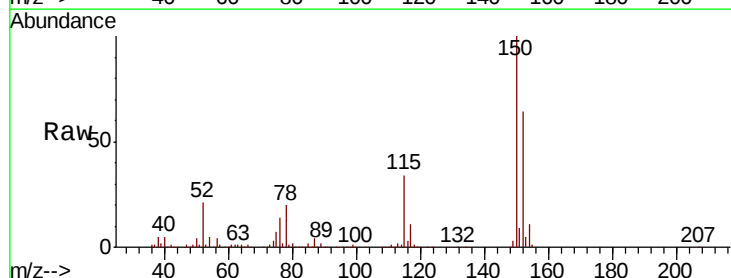


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

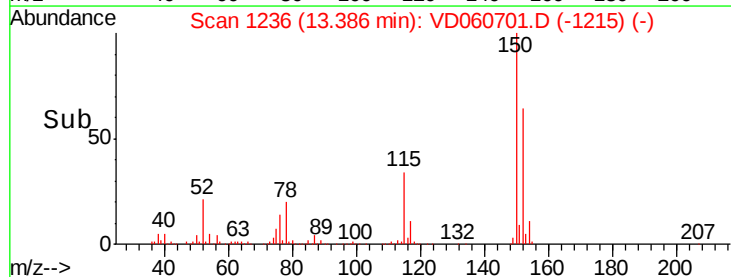
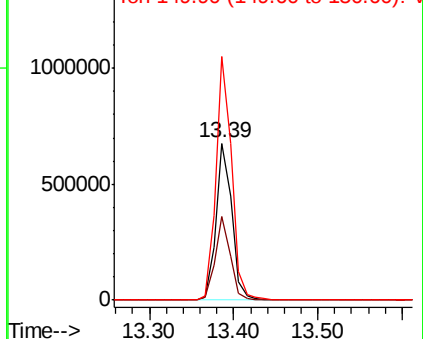


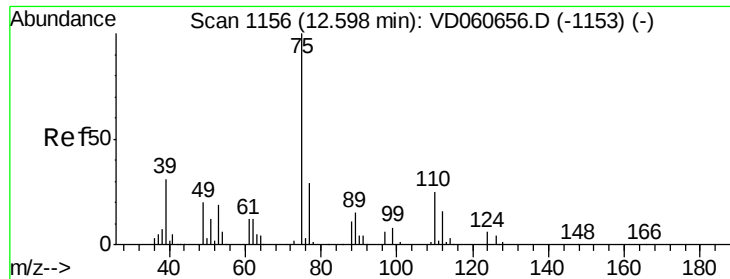
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.39 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VD060701.D
Acq: 22 Dec 2018 11:31

Tgt Ion:152 Resp: 873007
Ion Ratio Lower Upper
152 100
115 53.2 24.1 72.3
150 155.4 0.0 315.0



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





#76

1,2,3-Trichloropropane

Concen: 30.096 ug/l

RT: 12.44 min Scan# 1140

Delta R.T. -0.16 min

Lab File: VD060701.D

Acq: 22 Dec 2018 11:31

Instrument :

MSVOA_D

ClientSampleId :

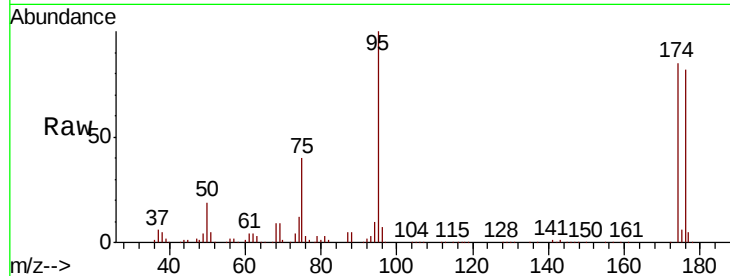
VD1222SBL01

Tot Ion: 75 Resp: 299129

Ion Ratio Lower Upper

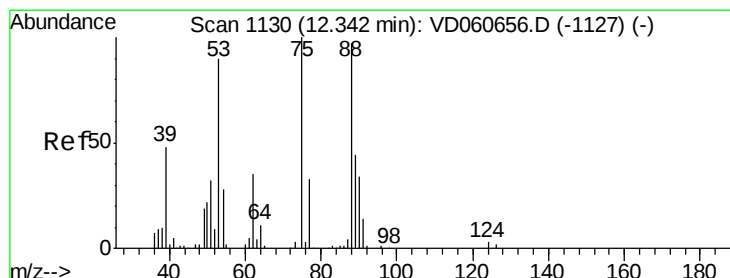
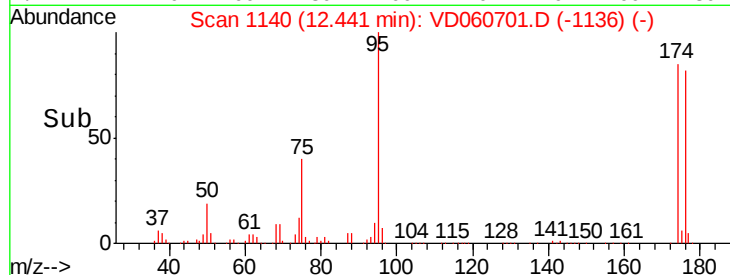
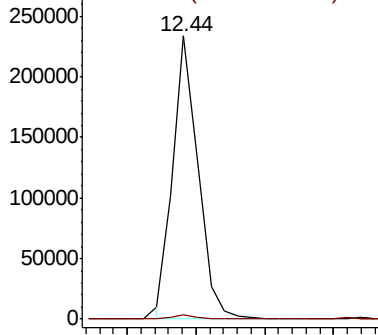
75 100

77 1.6 16.7 50.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 110.835 ug/l

RT: 12.44 min Scan# 1140

Delta R.T. 0.10 min

Lab File: VD060701.D

Acq: 22 Dec 2018 11:31

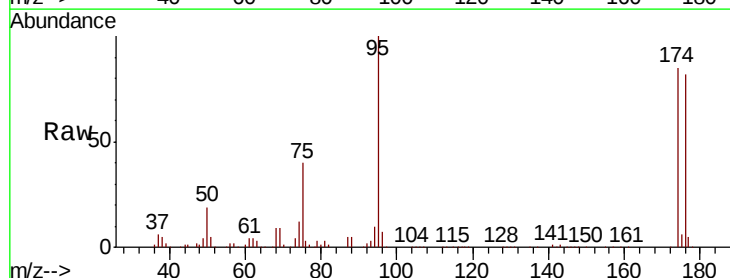
Tgt Ion: 75 Resp: 304397

Ion Ratio Lower Upper

75 100

53 0.0 72.1 108.1#

89 0.0 35.1 52.7#



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

