

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122118\
 Data File : VD060684.D
 Acq On : 21 Dec 2018 15:22
 Operator : VA/AP
 Sample : J6191-03
 Misc : 7.88g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-07-122018-B

Quant Time: Dec 21 22:24:45 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	1187674	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.47	114	1643918	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.31	117	1193266	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.39	152	452646	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.81	65	312945	38.13	ug/l	0.02
Spiked Amount			Recovery	=	76.26%	
35) Dibromofluoromethane	6.35	113	447411	37.18	ug/l	0.02
Spiked Amount			Recovery	=	74.36%	
50) Toluene-d8	9.49	98	1104503	30.77	ug/l	0.03
Spiked Amount			Recovery	=	61.54%	
62) 4-Bromofluorobenzene	12.45	95	345497	27.48	ug/l	0.03
Spiked Amount			Recovery	=	54.96%	

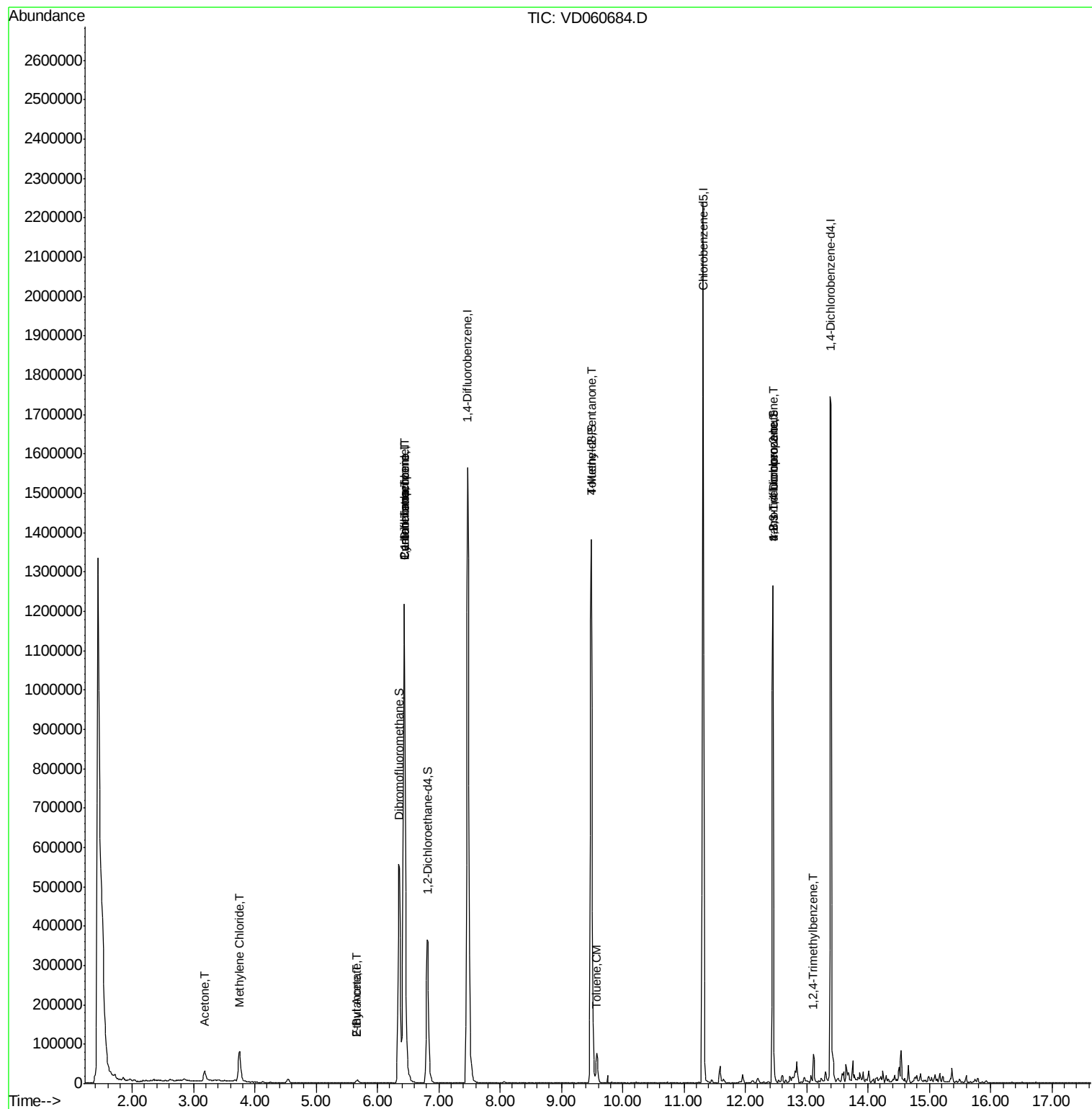
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.18	43	54119	37.757	ug/l	95
20) Methylene Chloride	3.75	84	50452	3.389	ug/l	94
25) 2-Butanone	5.65	43	7274	2.652	ug/l #	61
31) Cyclohexane	6.44	56	22636	1.092	ug/l #	1
36) 1,1-Dichloropropene	6.44	75	82598	4.879	ug/l #	46
37) Ethyl Acetate	5.65	43	7274	1.027	ug/l #	69
38) Carbon Tetrachloride	6.44	117	89123	5.968	ug/l #	15
51) 4-Methyl-2-Pentanone	9.48	43	6376	1.145	ug/l #	1
52) Toluene	9.58	92	37120	1.354	ug/l	98
76) 1,2,3-Trichloropropane	12.45	75	142729	27.697	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.45	75	143009	100.429	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.11	105	32452	1.266	ug/l	93

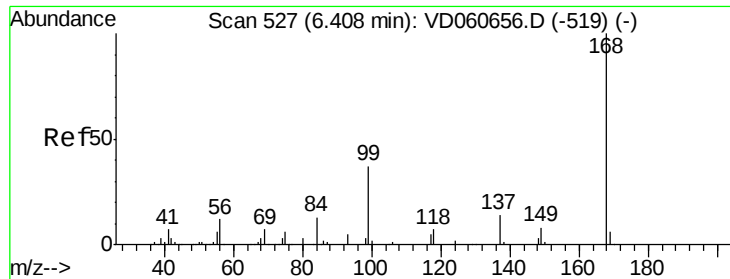
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122118\
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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: VD060684.D

Acq: 21 Dec 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

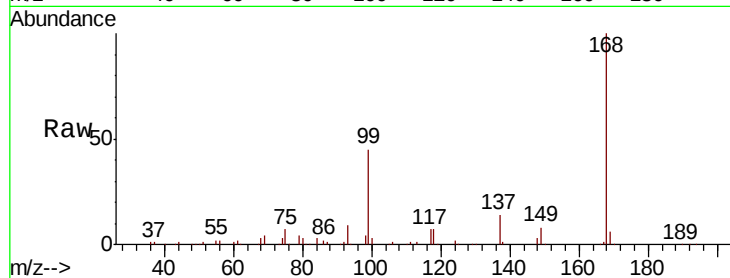
NB-07-122018-B

Tot Ion:168 Resp: 1187674

Ion Ratio Lower Upper

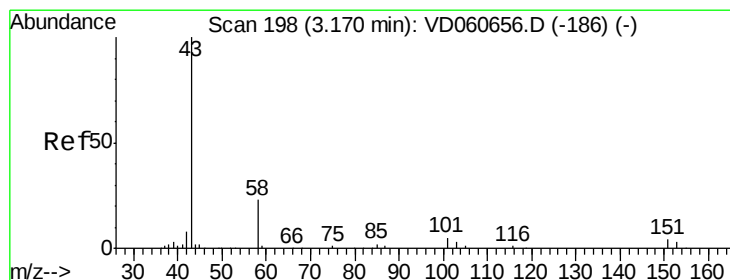
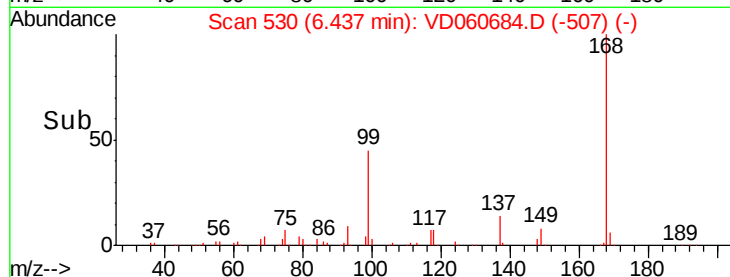
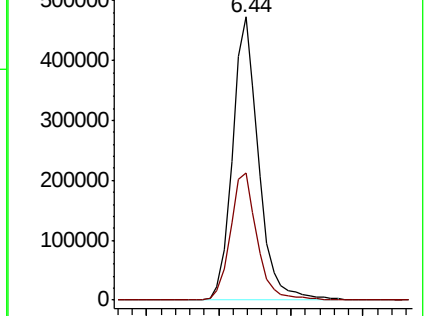
168 100

99 45.1 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 37.757 ug/l

RT: 3.18 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD060684.D

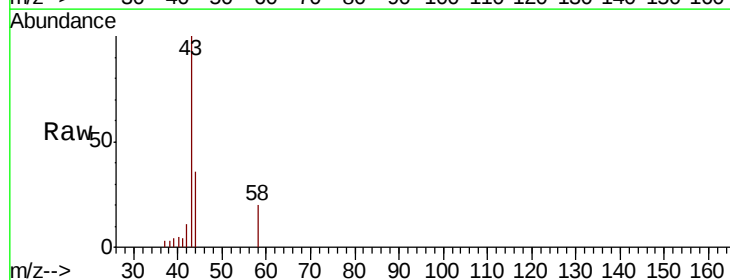
Acq: 21 Dec 2018 15:22

Tgt Ion: 43 Resp: 54119

Ion Ratio Lower Upper

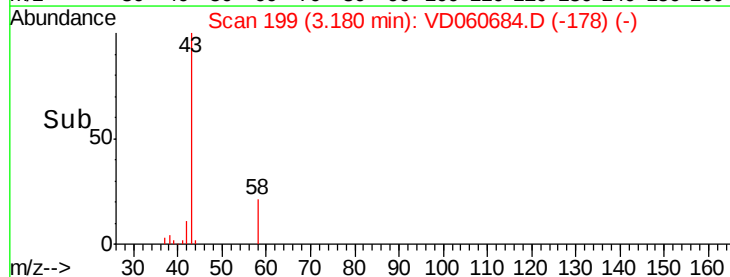
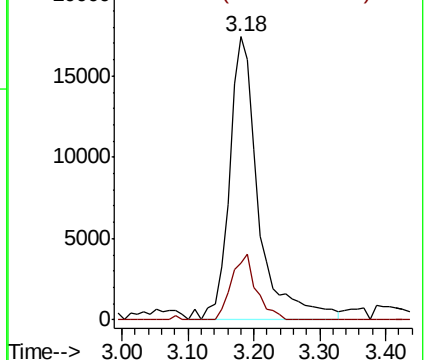
43 100

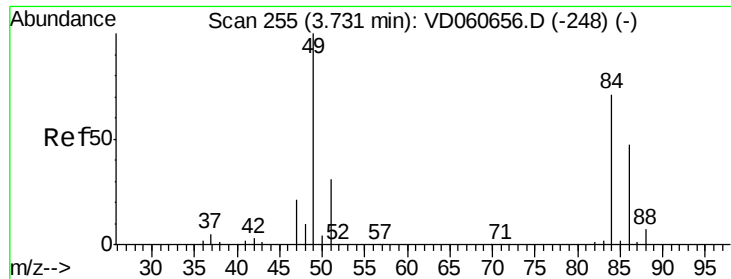
58 20.1 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

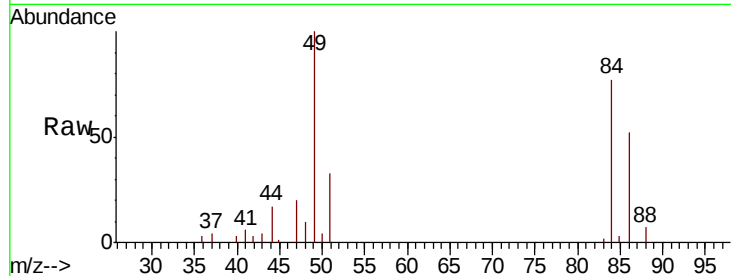




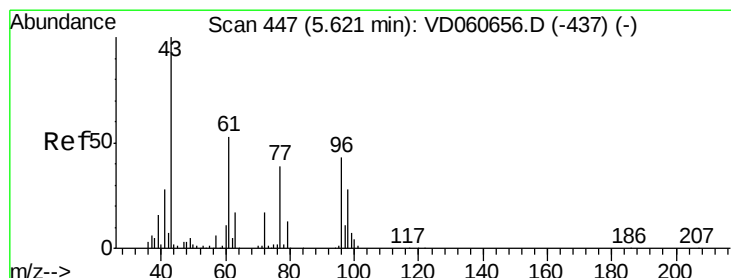
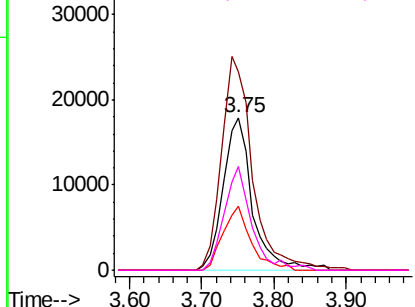
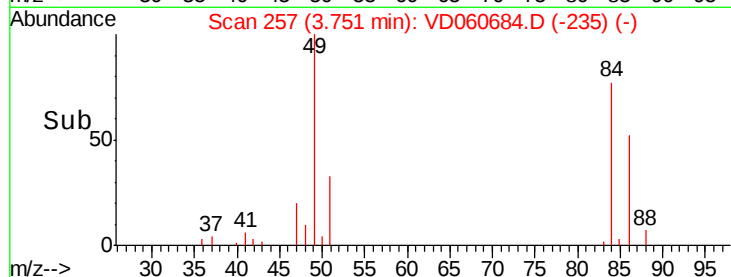
#20
Methvlene Chloride
Concen: 3.389 ug/l
RT: 3.75 min Scan# 257
Delta R.T. 0.02 min
Lab File: VD060684.D
Acq: 21 Dec 2018 15:22

Instrument :
MSVOA_D
ClientSampleId :
NB-07-122018-B

Tot Ion: 84 Resp: 50452
Ion Ratio Lower Upper
84 100
49 129.9 113.6 170.4
51 42.3 34.7 52.1
86 67.8 52.8 79.2

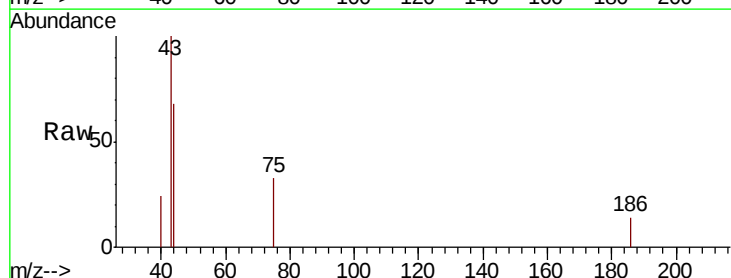


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

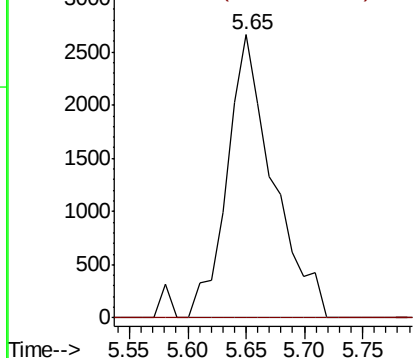
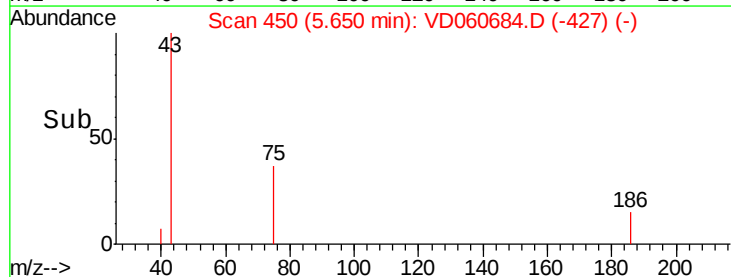


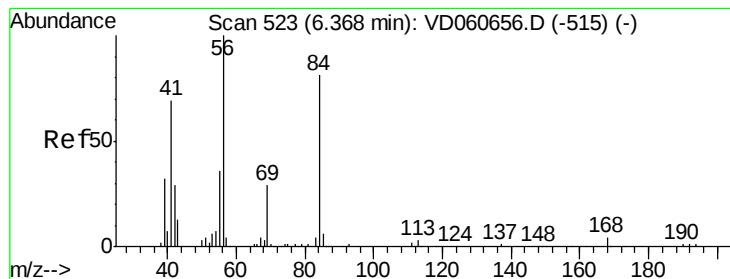
#25
2-Butanone
Concen: 2.652 ug/l
RT: 5.65 min Scan# 450
Delta R.T. 0.03 min
Lab File: VD060684.D
Acq: 21 Dec 2018 15:22

Tgt Ion: 43 Resp: 7274
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: 1.092 ug/l

RT: 6.44 min Scan# 530

Delta R.T. 0.07 min

Lab File: VD060684.D

Acq: 21 Dec 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

NB-07-122018-B

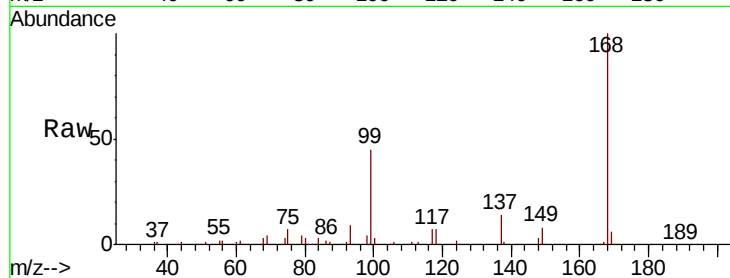
Tot Ion: 56 Resp: 22636

Ion Ratio Lower Upper

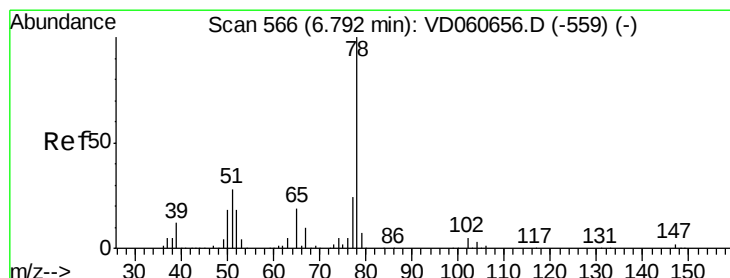
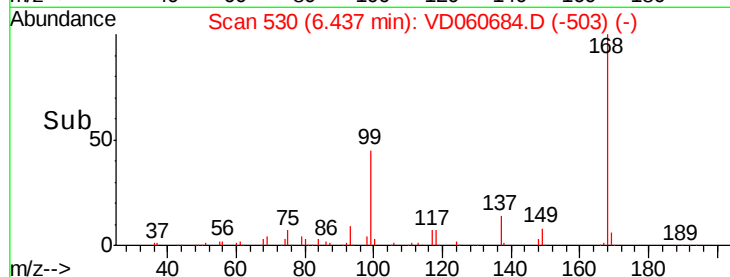
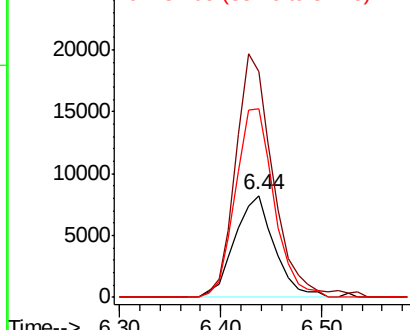
56 100

69 221.1 23.6 35.4#

84 184.8 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: 6.81 min Scan# 568

Delta R.T. 0.02 min

Lab File: VD060684.D

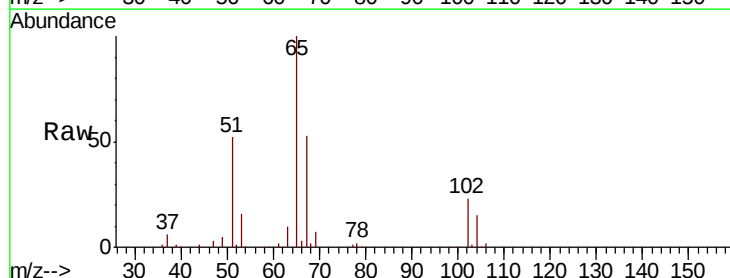
Acq: 21 Dec 2018 15:22

Tgt Ion: 65 Resp: 312945

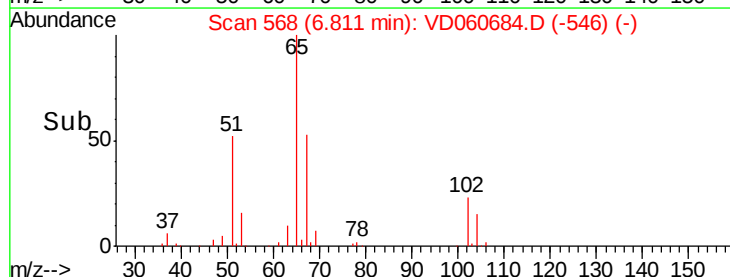
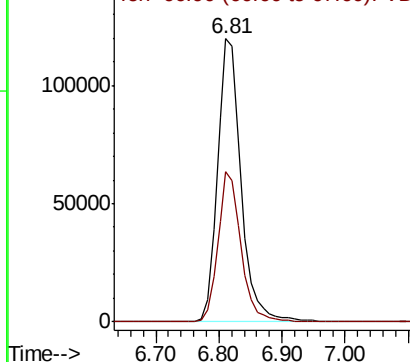
Ion Ratio Lower Upper

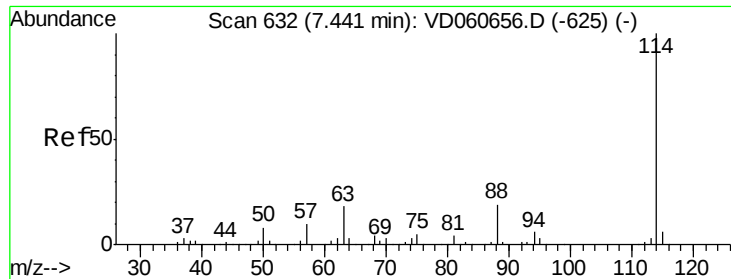
65 100

67 53.2 0.0 105.4



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

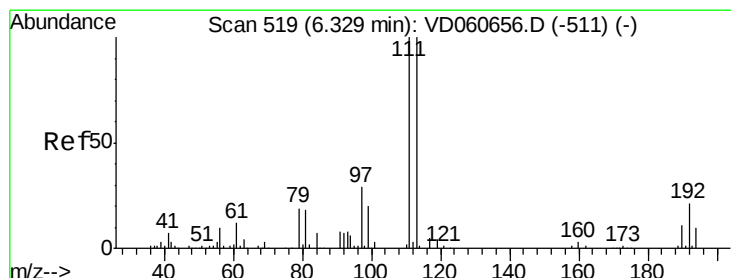
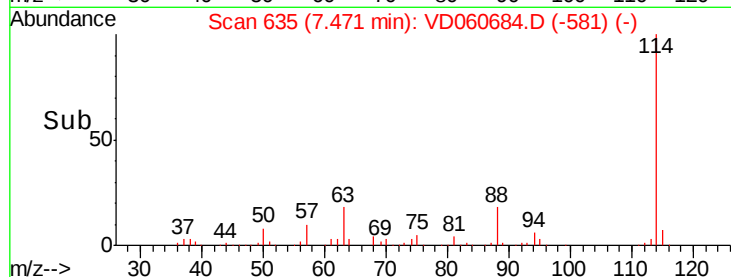
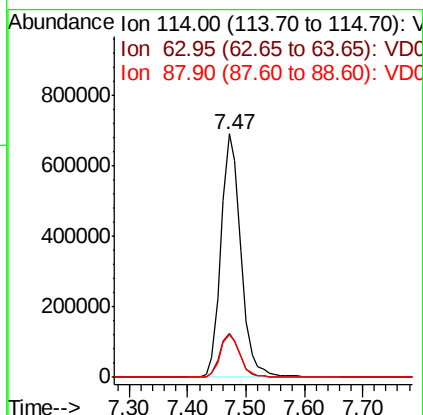
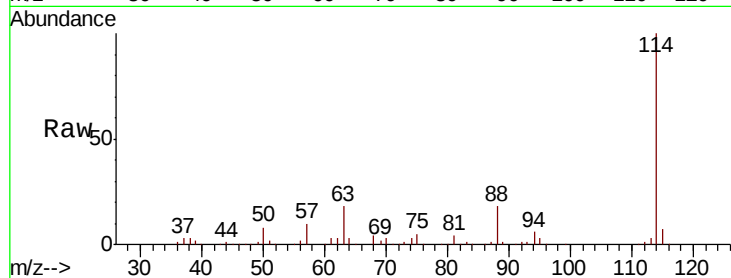




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.47 min Scan# 635
 Delta R.T. 0.03 min
 Lab File: VD060684.D
 Acq: 21 Dec 2018 15:22

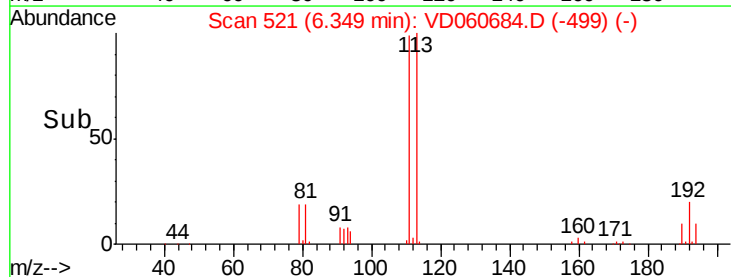
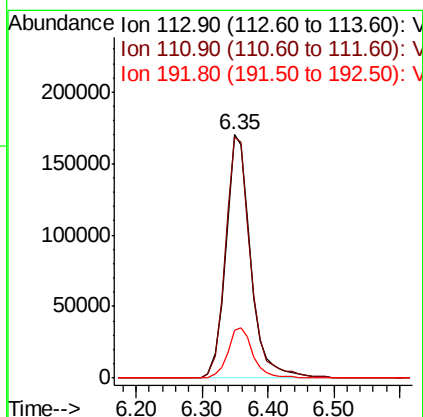
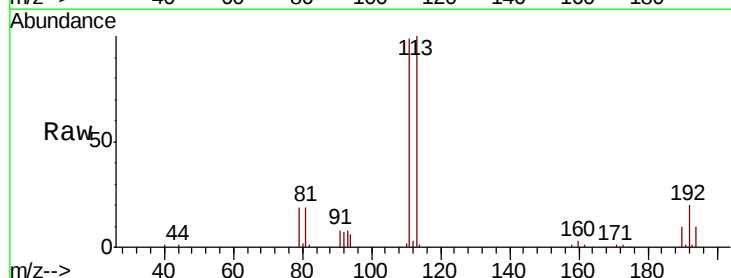
Instrument :
 MSVOA_D
 ClientSampleId :
 NB-07-122018-B

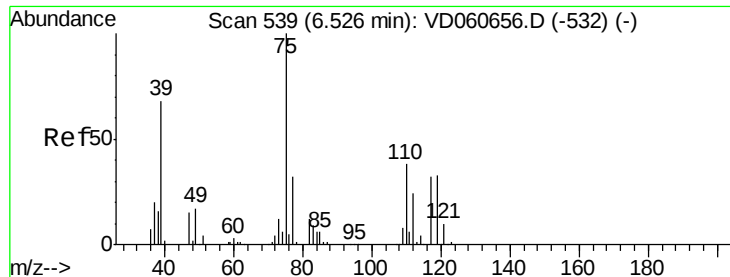
Tot Ion:114 Resp: 1643918
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.2
 88 17.6 0.0 37.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.35 min Scan# 521
 Delta R.T. 0.02 min
 Lab File: VD060684.D
 Acq: 21 Dec 2018 15:22

Tgt Ion:113 Resp: 447411
 Ion Ratio Lower Upper
 113 100
 111 99.0 80.0 120.0
 192 19.5 16.6 25.0





#36

1,1-Dichloropropene

Concen: 4.879 ug/l

RT: 6.44 min Scan# 530

Delta R.T. -0.09 min

Lab File: VD060684.D

Acq: 21 Dec 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

NB-07-122018-B

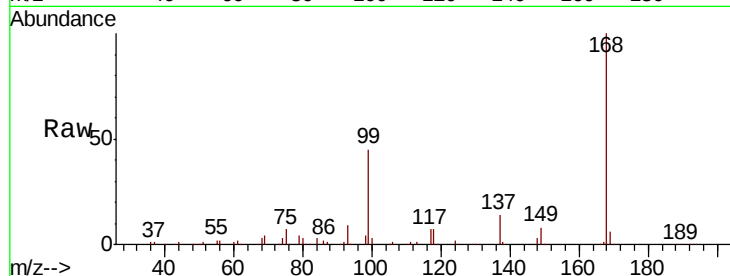
Tot Ion: 75 Resp: 82598

Ion Ratio Lower Upper

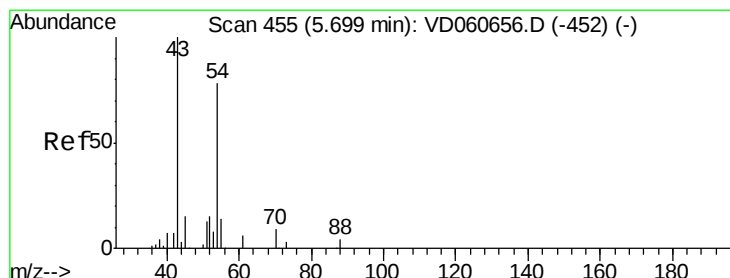
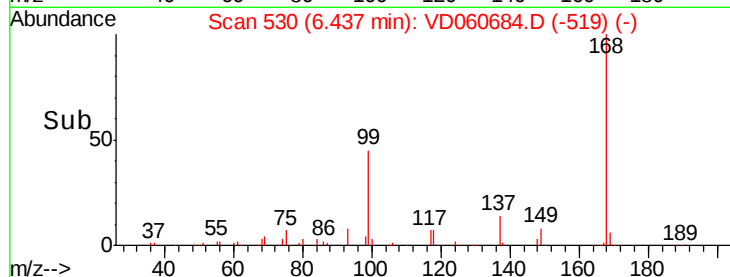
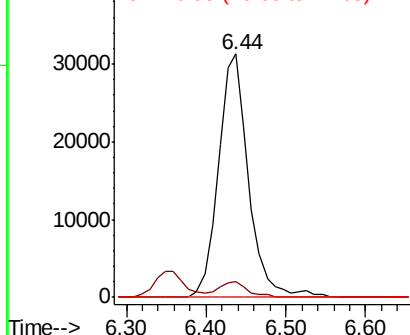
75 100

110 6.6 18.9 56.7#

77 0.0 25.4 38.0#



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: 1.027 ug/l

RT: 5.65 min Scan# 450

Delta R.T. -0.05 min

Lab File: VD060684.D

Acq: 21 Dec 2018 15:22

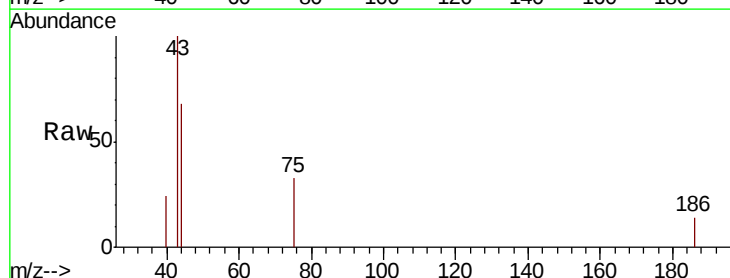
Tgt Ion: 43 Resp: 7274

Ion Ratio Lower Upper

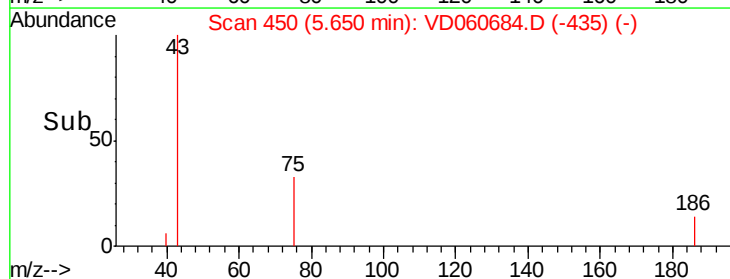
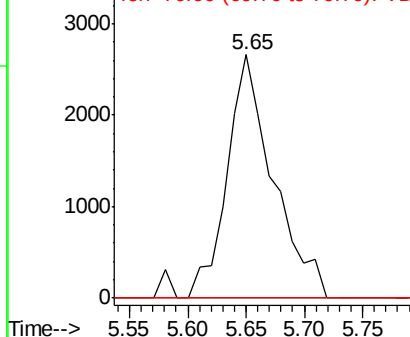
43 100

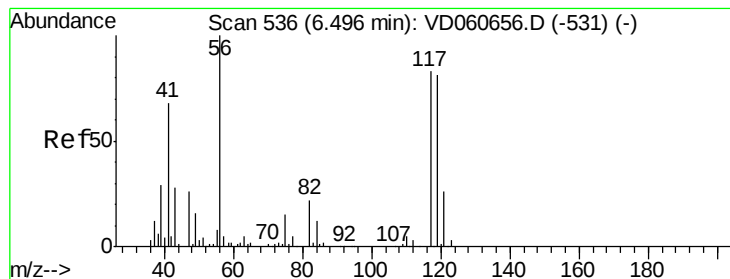
61 0.0 11.8 17.6#

70 0.0 5.8 8.6#



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: 5.968 ug/l

RT: 6.44 min Scan# 530

Delta R.T. -0.06 min

Lab File: VD060684.D

Acq: 21 Dec 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

NB-07-122018-B

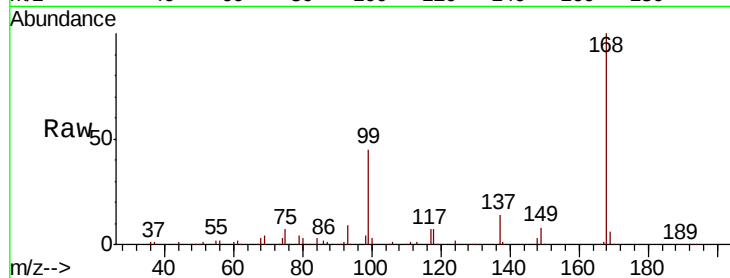
Tot Ion:117 Resp: 89123

Ion Ratio Lower Upper

117 100

119 4.4 77.0 115.4#

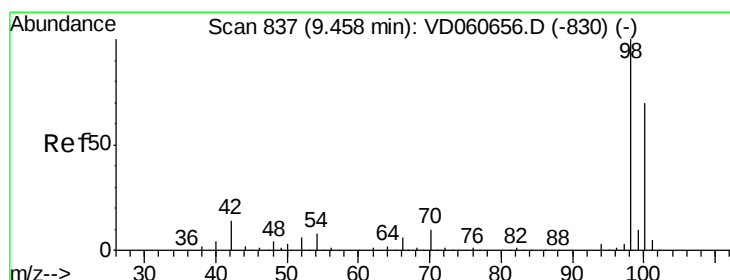
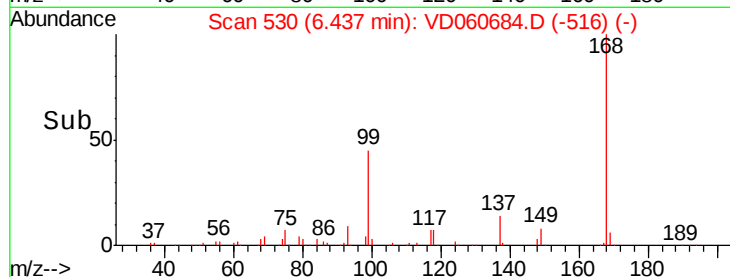
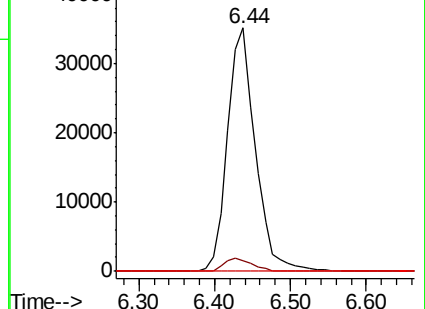
121 0.0 24.7 37.1#



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: VD060684.D

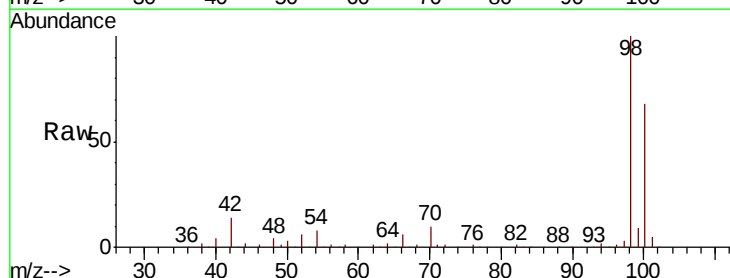
Acq: 21 Dec 2018 15:22

Tgt Ion: 98 Resp: 1104503

Ion Ratio Lower Upper

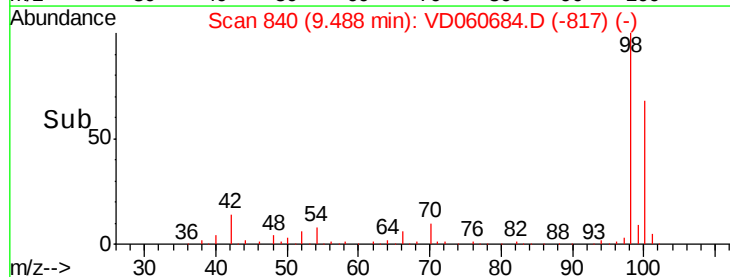
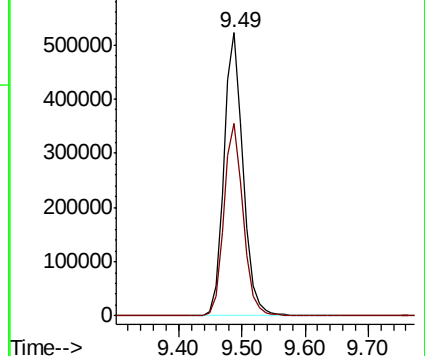
98 100

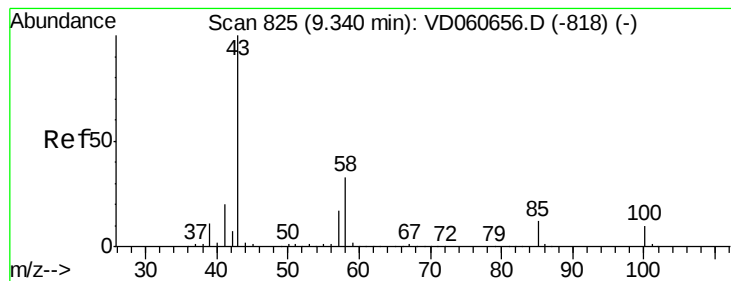
100 68.2 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.145 ug/l

RT: 9.48 min Scan# 839

Delta R.T. 0.14 min

Lab File: VD060684.D

Acq: 21 Dec 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

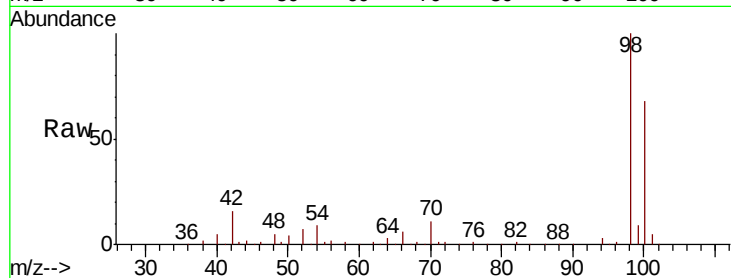
NB-07-122018-B

Tot Ion: 43 Resp: 6376

Ion Ratio Lower Upper

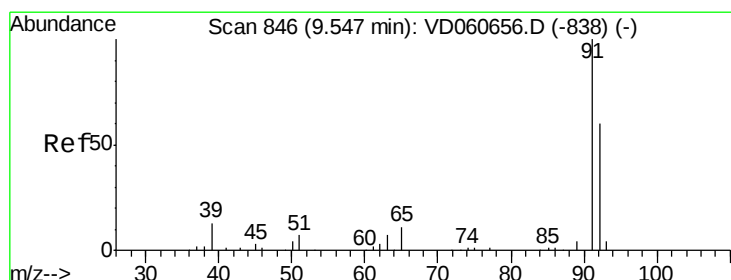
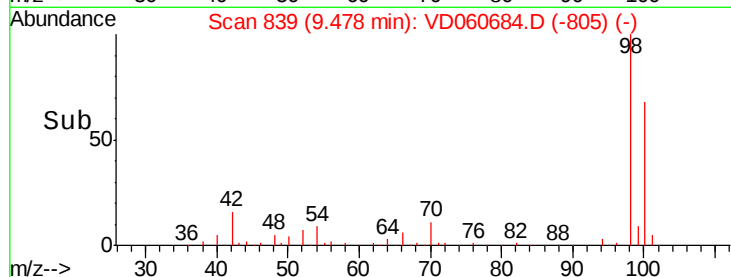
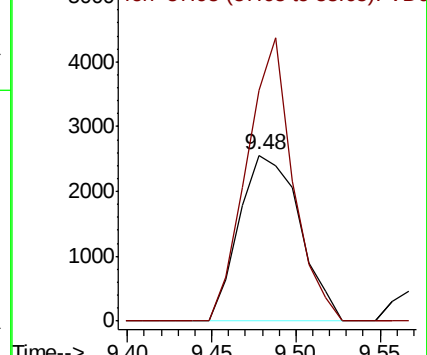
43 100

58 139.3 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 1.354 ug/l

RT: 9.58 min Scan# 849

Delta R.T. 0.03 min

Lab File: VD060684.D

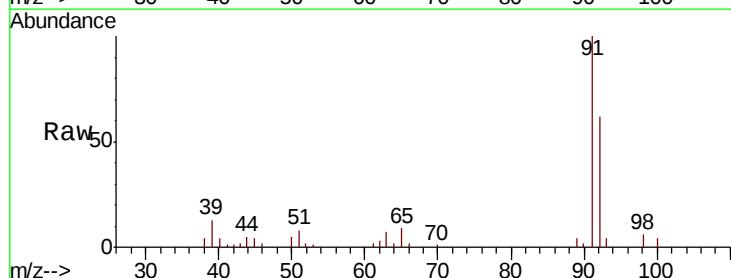
Acq: 21 Dec 2018 15:22

Tgt Ion: 92 Resp: 37120

Ion Ratio Lower Upper

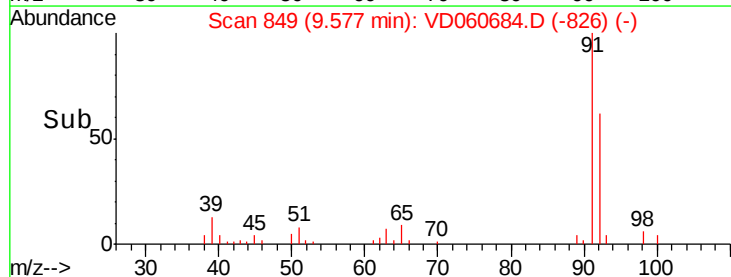
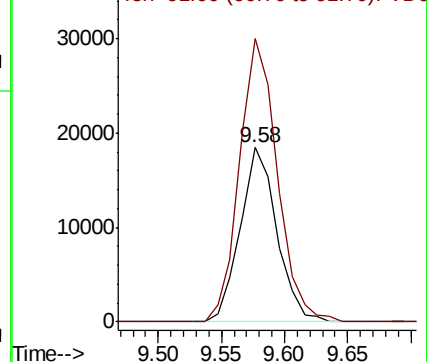
92 100

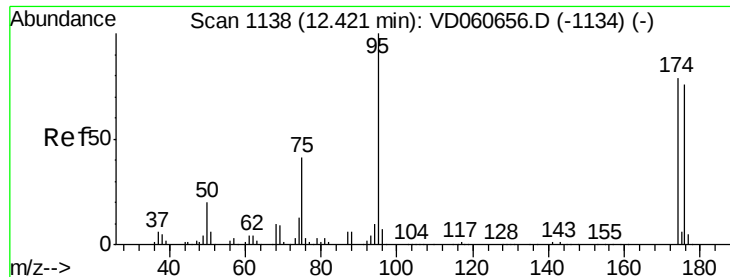
91 162.6 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.45 min Scan# 1141

Delta R.T. 0.03 min

Lab File: VD060684.D

Acq: 21 Dec 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

NB-07-122018-B

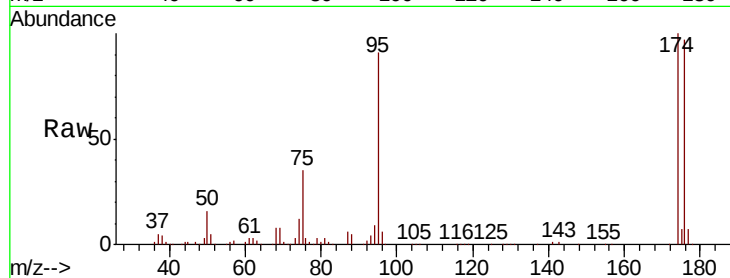
Tot Ion: 95 Resp: 345497

Ion Ratio Lower Upper

95 100

174 110.2 0.0 158.2

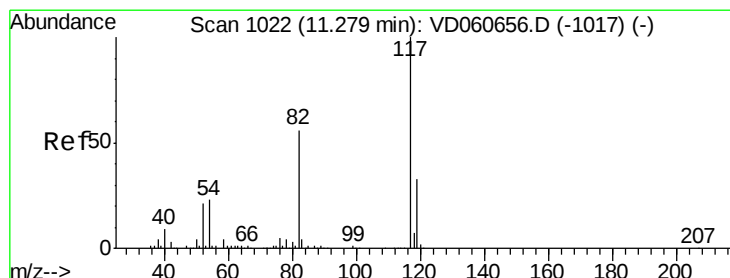
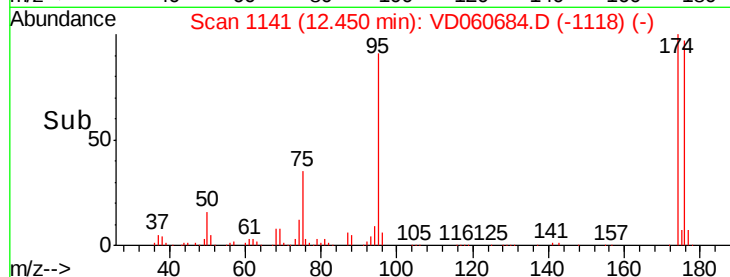
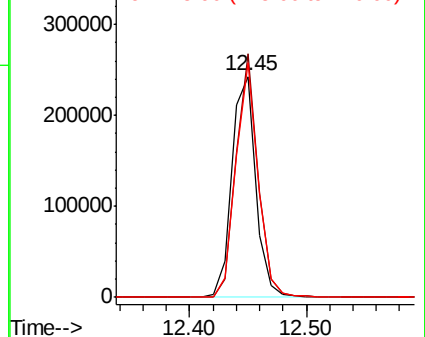
176 106.5 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): V

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: 11.31 min Scan# 1025

Delta R.T. 0.03 min

Lab File: VD060684.D

Acq: 21 Dec 2018 15:22

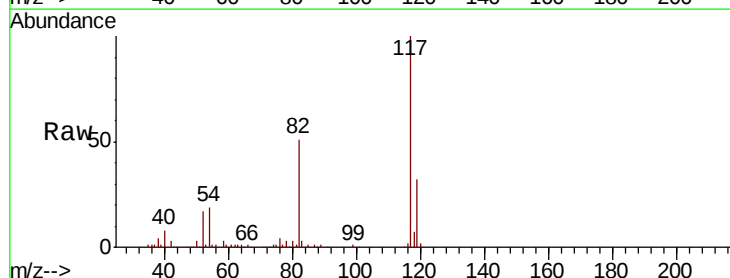
Tgt Ion: 117 Resp: 1193266

Ion Ratio Lower Upper

117 100

82 51.3 44.5 66.7

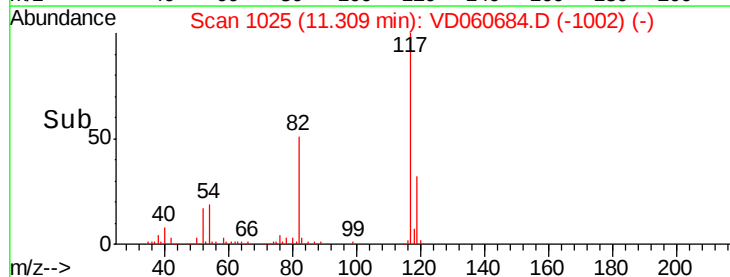
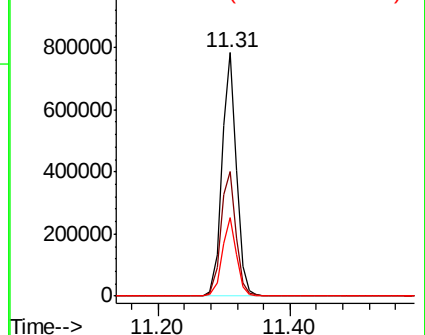
119 32.3 26.3 39.5

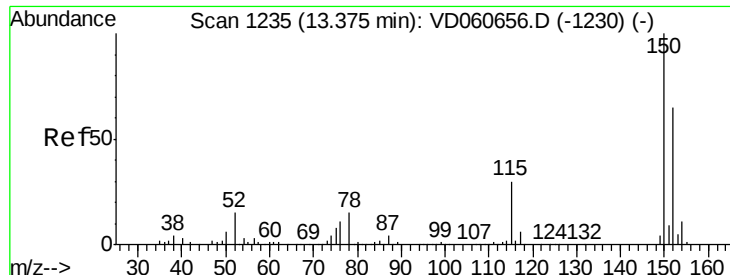


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



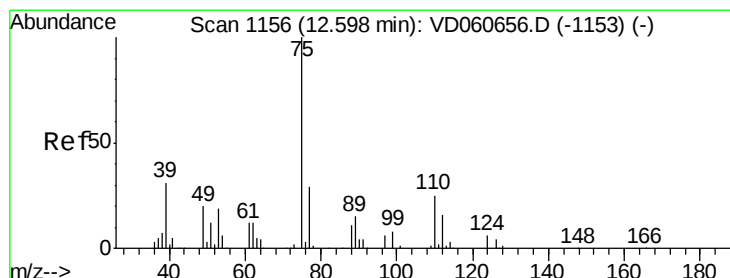
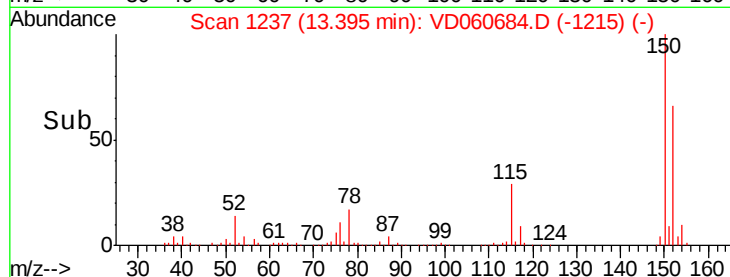
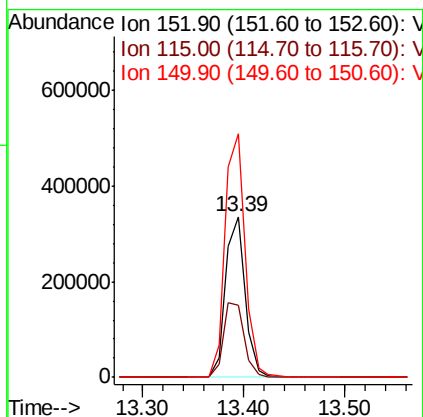
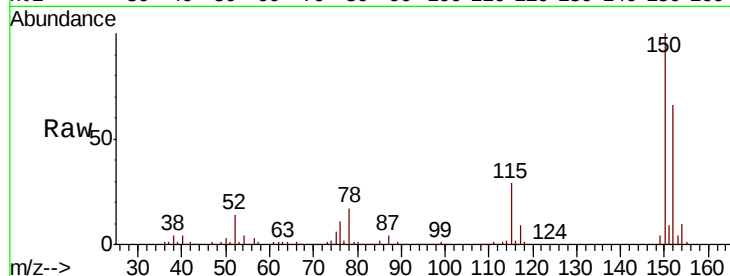


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.39 min Scan# 1237
Delta R.T. 0.02 min
Lab File: VD060684.D
Acq: 21 Dec 2018 15:22

Instrument :
MSVOA_D
ClientSampleId :
NB-07-122018-B

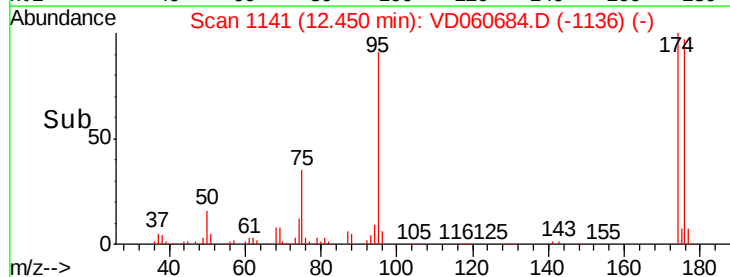
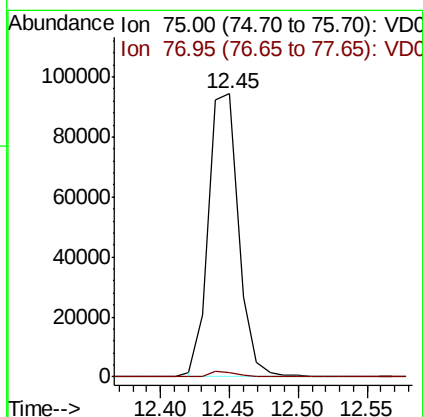
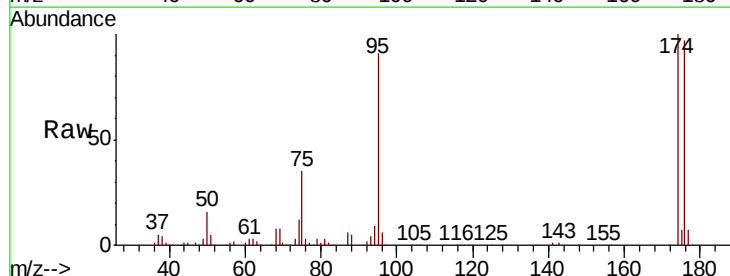
Tot Ion:152 Resp: 452646
Ion Ratio Lower Upper
152 100
115 44.7 24.1 72.3
150 151.7 0.0 315.0

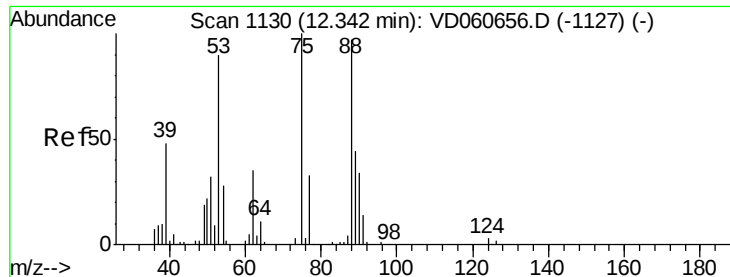


#76

1,2,3-Trichloropropane
Concen: 27.697 ug/l
RT: 12.45 min Scan# 1141
Delta R.T. -0.15 min
Lab File: VD060684.D
Acq: 21 Dec 2018 15:22

Tgt Ion: 75 Resp: 142729
Ion Ratio Lower Upper
75 100
77 1.7 16.7 50.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 100.429 ug/l

RT: 12.45 min Scan# 1141

Delta R.T. 0.11 min

Lab File: VD060684.D

Acq: 21 Dec 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

NB-07-122018-B

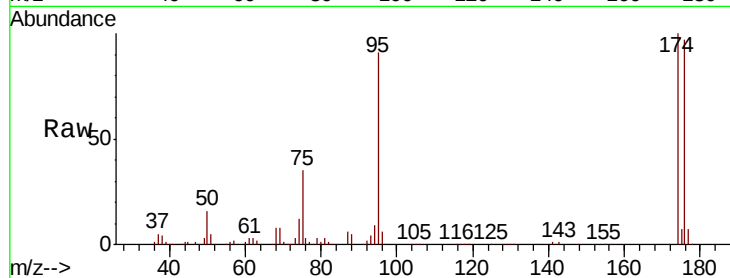
Tot Ion: 75 Resp: 143009

Ion Ratio Lower Upper

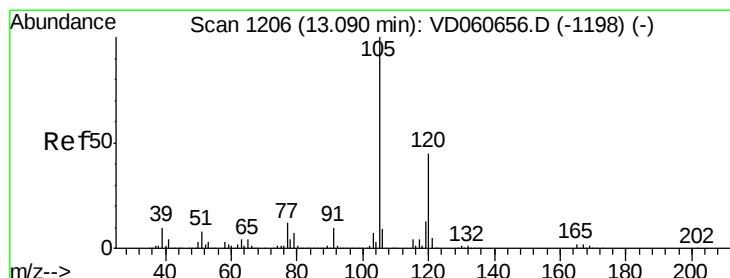
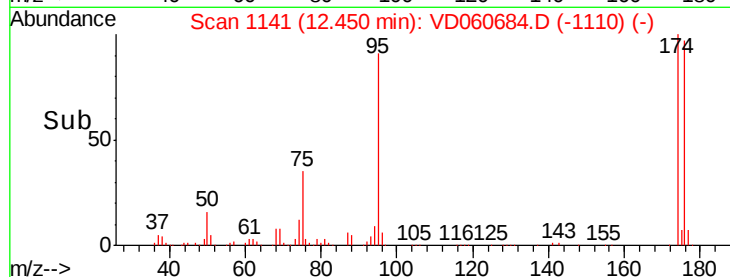
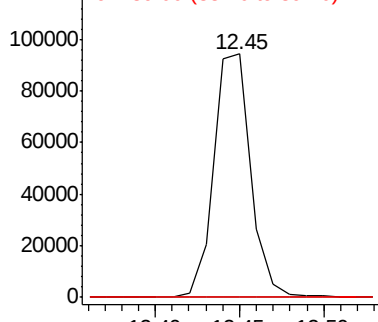
75 100

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



#84

1,2,4-Trimethylbenzene

Concen: 1.266 ug/l

RT: 13.11 min Scan# 1208

Delta R.T. 0.02 min

Lab File: VD060684.D

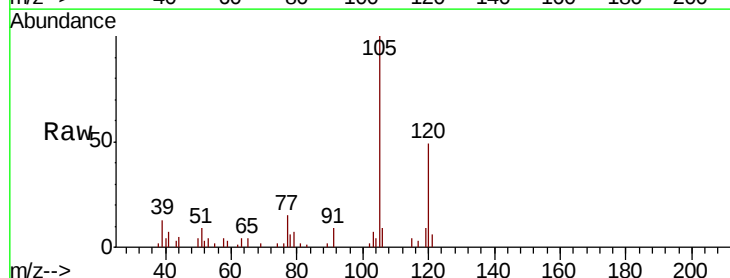
Acq: 21 Dec 2018 15:22

Tgt Ion:105 Resp: 32452

Ion Ratio Lower Upper

105 100

120 49.1 22.4 67.0



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

