

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122118\
 Data File : VD060690.D
 Acq On : 21 Dec 2018 18:11
 Operator : VA/AP
 Sample : J6501-01
 Misc : 4.44q/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-221

Quant Time: Dec 21 22:28:30 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

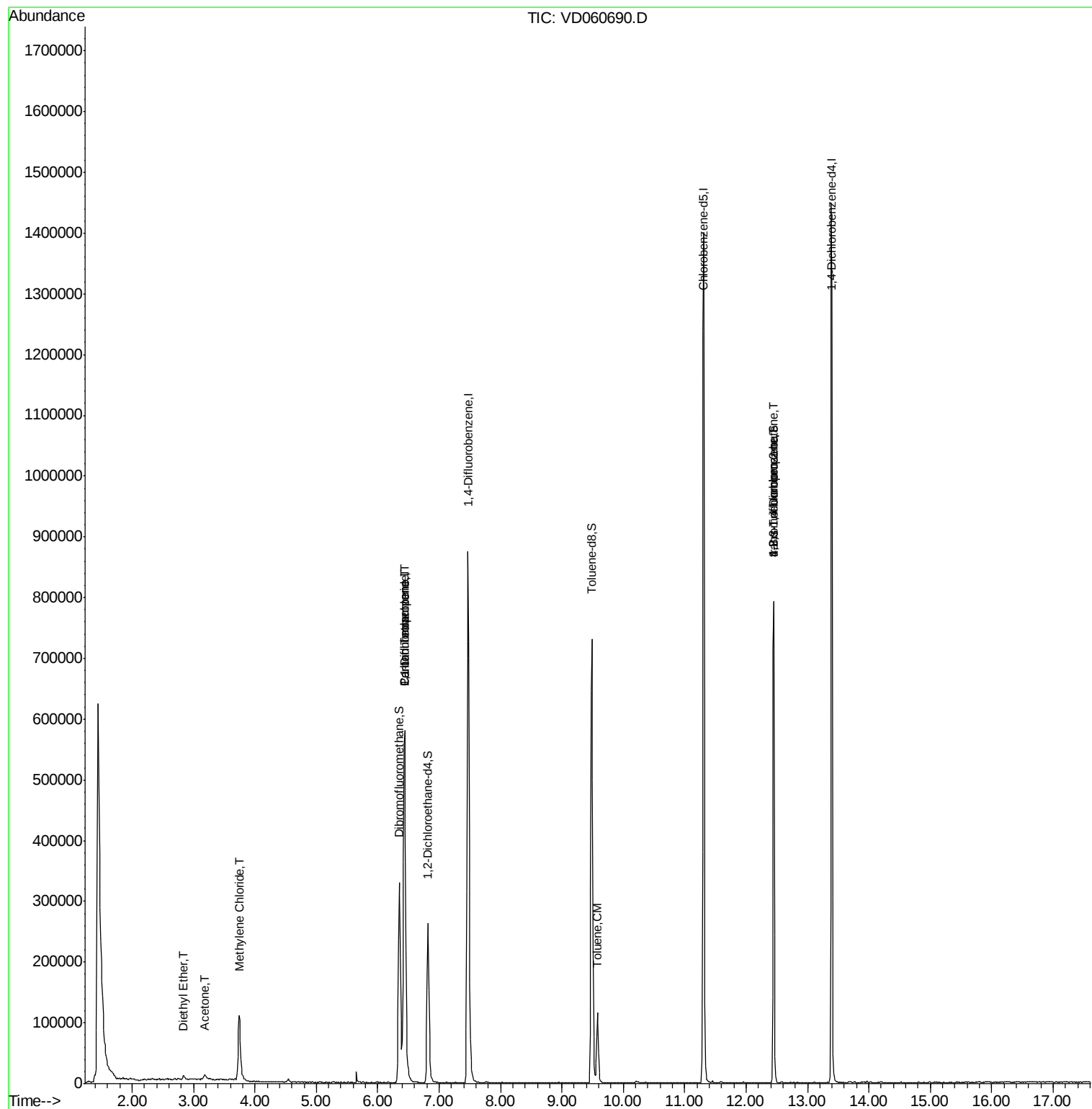
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	579110	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.47	114	895252	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.31	117	763019	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.40	152	360035	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.81	65	219326	54.80	ug/l	0.02
Spiked Amount 50.000			Recovery	=	109.60%	
35) Dibromofluoromethane	6.35	113	259030	39.53	ug/l	0.02
Spiked Amount 50.000			Recovery	=	79.06%	
50) Toluene-d8	9.49	98	580397	29.69	ug/l	0.03
Spiked Amount 50.000			Recovery	=	59.38%	
62) 4-Bromofluorobenzene	12.44	95	229609	33.53	ug/l	0.02
Spiked Amount 50.000			Recovery	=	67.06%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.84	74	1692	1.682	ug/l	86
16) Acetone	3.18	43	15335	21.941	ug/l #	87
20) Methylene Chloride	3.75	84	67579	9.311	ug/l	93
36) 1,1-Dichloropropene	6.43	75	42363	4.595	ug/l #	45
38) Carbon Tetrachloride	6.44	117	42839	5.267	ug/l #	15
52) Toluene	9.58	92	57313	3.839	ug/l	95
76) 1,2,3-Trichloropropane	12.44	75	96598	23.567	ug/l #	43
81) trans-1,4-Dichloro-2-buten	12.44	75	96581	85.271	ug/l #	13

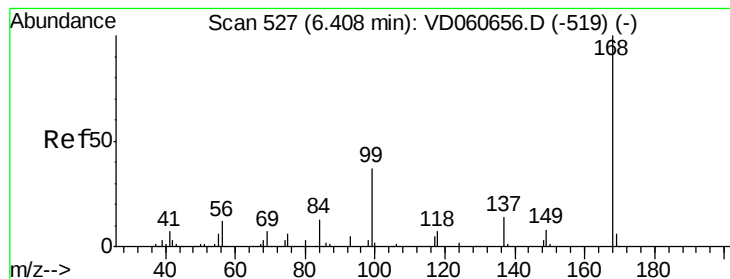
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122118\
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Quant Time: Dec 21 22:28:30 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: VD060690.D

Acq: 21 Dec 2018 18:11

Instrument :

MSVOA_D

ClientSampleId :

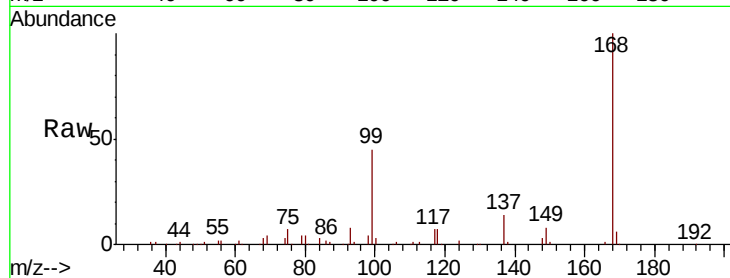
VNJ-221

Tot Ion:168 Resp: 579110

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

6.44

250000

200000

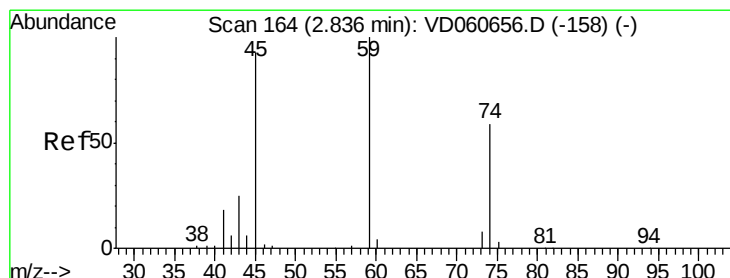
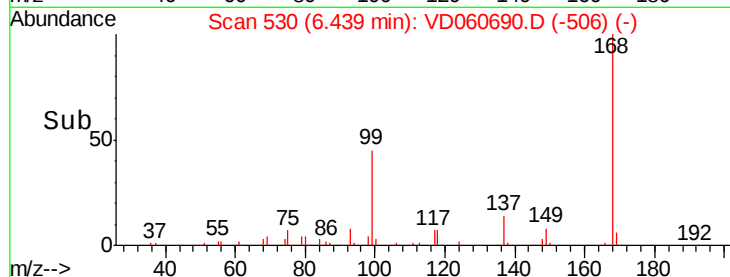
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.682 ug/l

RT: 2.84 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060690.D

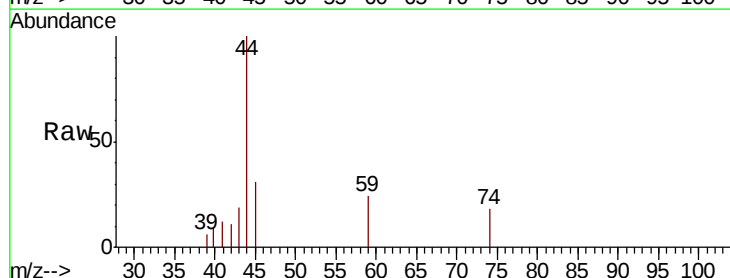
Acq: 21 Dec 2018 18:11

Tgt Ion: 74 Resp: 1692

Ion Ratio Lower Upper

74 100

45 176.9 79.3 238.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2000

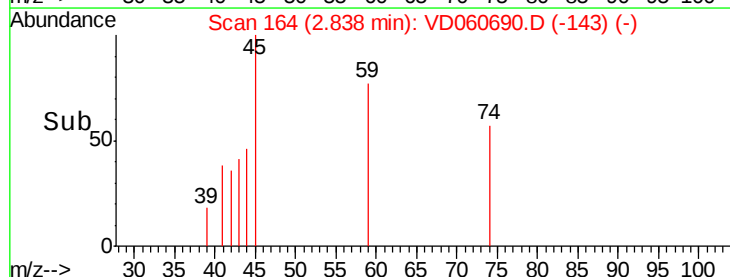
1500

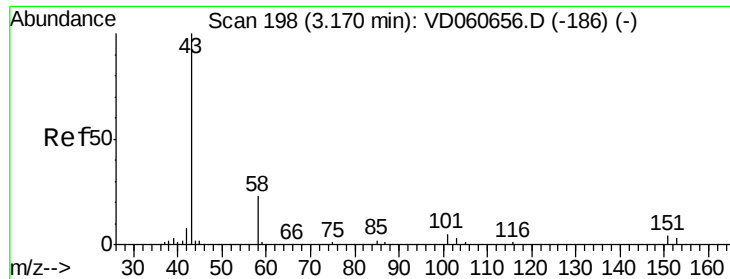
1000

500

0

Time-->





#16

Acetone

Concen: 21.941 ug/l

RT: 3.18 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD060690.D

Acq: 21 Dec 2018 18:11

Instrument :

MSVOA_D

ClientSampleId :

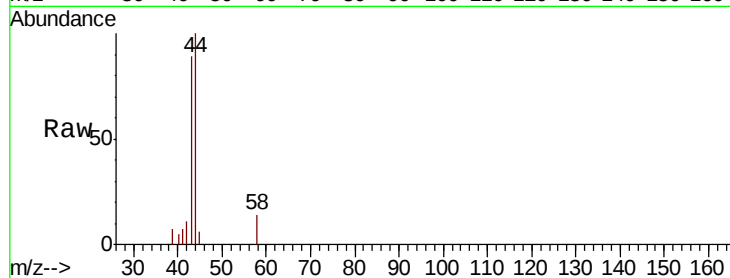
VNJ-221

Tot Ion: 43 Resp: 15335

Ion Ratio Lower Upper

43 100

58 16.3 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.18

6000

5000

4000

3000

2000

1000

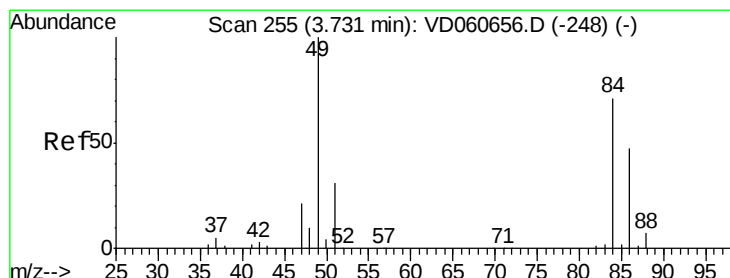
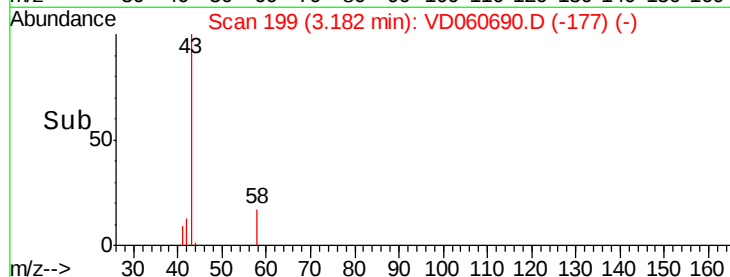
0

Time-->

3.10

3.20

3.30



#20

Methylene Chloride

Concen: 9.311 ug/l

RT: 3.75 min Scan# 257

Delta R.T. 0.02 min

Lab File: VD060690.D

Acq: 21 Dec 2018 18:11

Tgt Ion: 84 Resp: 67579

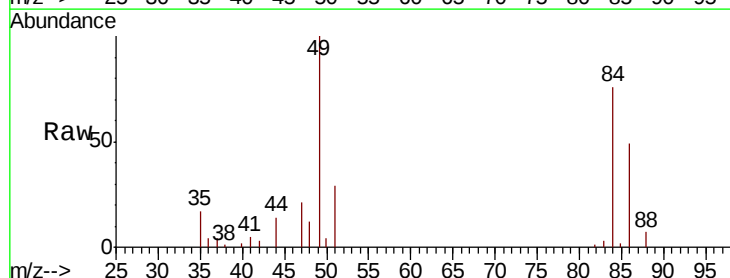
Ion Ratio Lower Upper

84 100

49 130.9 113.6 170.4

51 37.3 34.7 52.1

86 64.1 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

50000

40000

30000

20000

10000

0

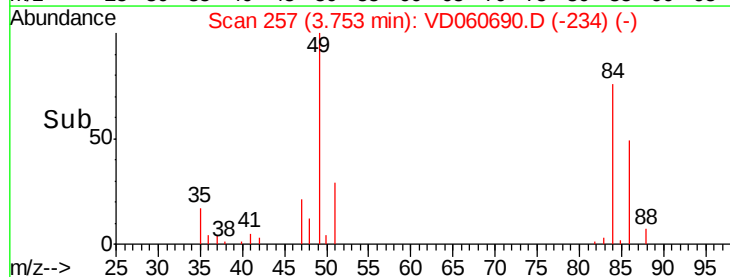
Time-->

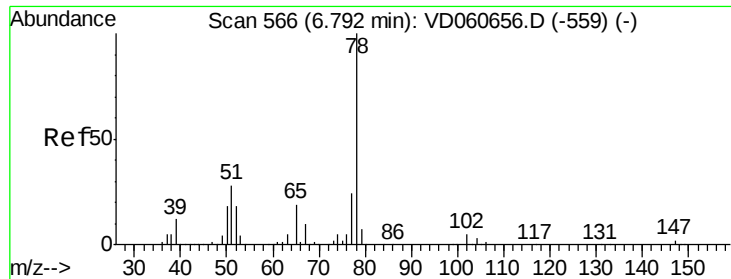
3.60

3.70

3.80

3.90





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.81 min Scan# 568

Delta R.T. 0.02 min

Lab File: VD060690.D

Acq: 21 Dec 2018 18:11

Instrument :

MSVOA_D

ClientSampleId :

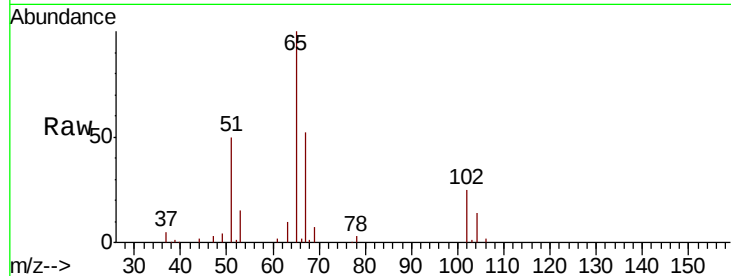
VNJ-221

Tot Ion: 65 Resp: 219326

Ion Ratio Lower Upper

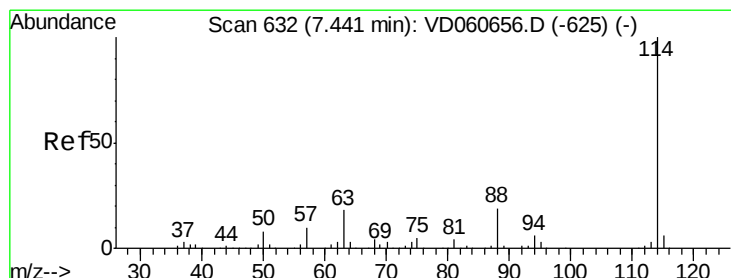
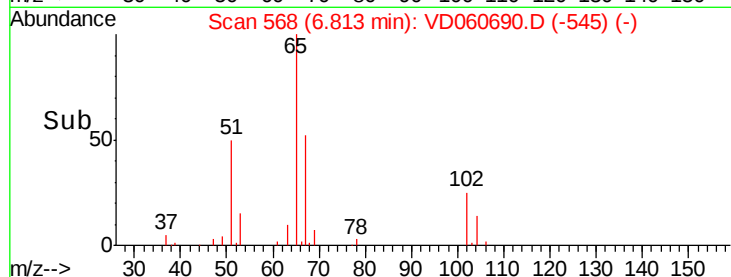
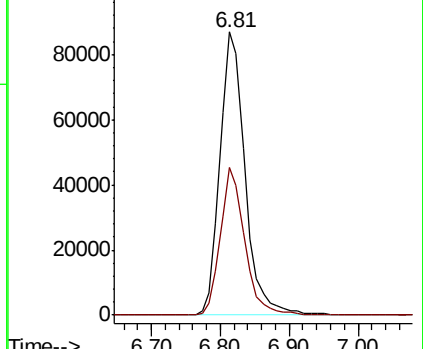
65 100

67 52.0 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: VD060690.D

Acq: 21 Dec 2018 18:11

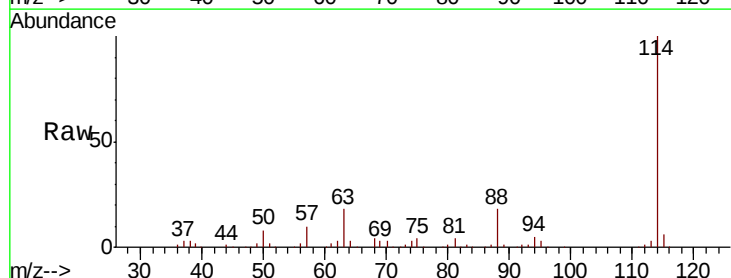
Tgt Ion: 114 Resp: 895252

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.2

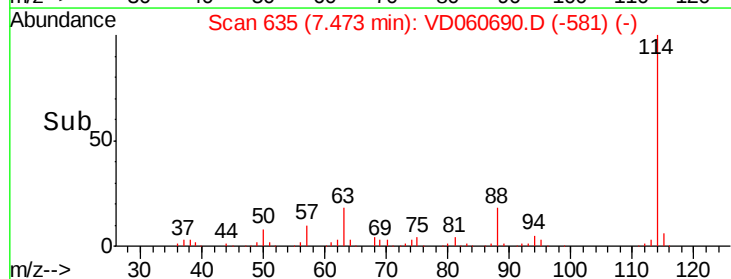
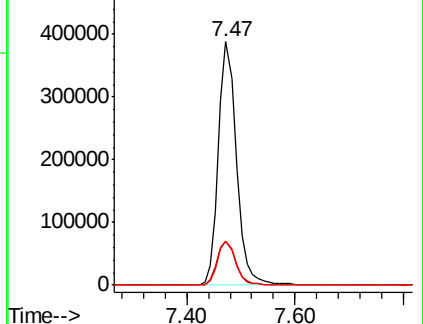
88 18.0 0.0 37.0

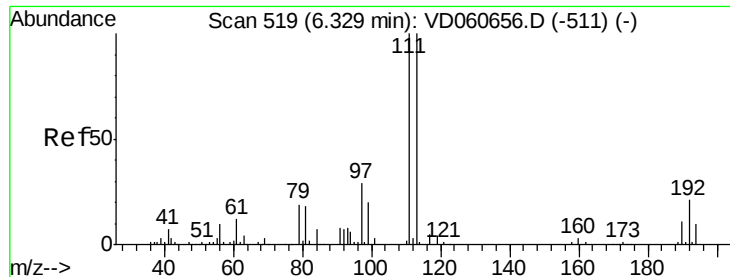


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.35 min Scan# 521

Delta R.T. 0.02 min

Lab File: VD060690.D

Acq: 21 Dec 2018 18:11

Instrument :

MSVOA_D

ClientSampled :

VNJ-221

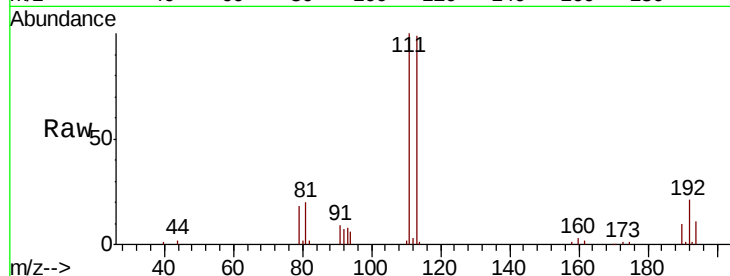
Tot Ion:113 Resp: 259030

Ion Ratio Lower Upper

113 100

111 101.1 80.0 120.0

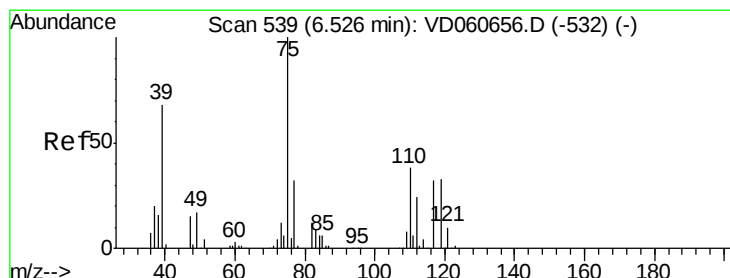
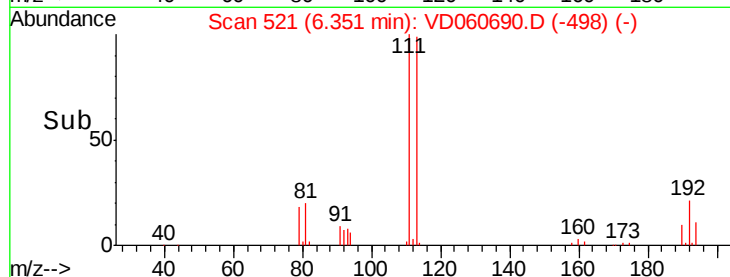
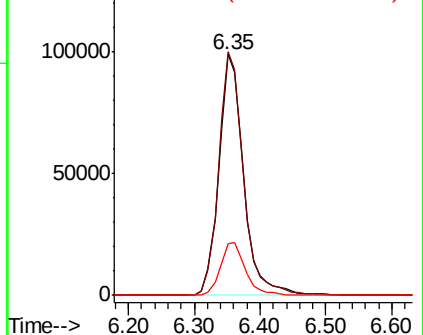
192 21.5 16.6 25.0



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: 4.595 ug/l

RT: 6.43 min Scan# 529

Delta R.T. -0.10 min

Lab File: VD060690.D

Acq: 21 Dec 2018 18:11

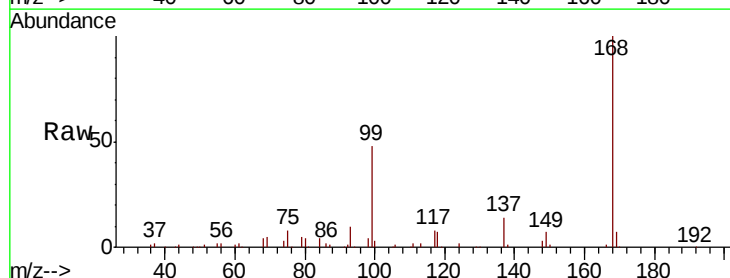
Tgt Ion: 75 Resp: 42363

Ion Ratio Lower Upper

75 100

110 5.4 18.9 56.7#

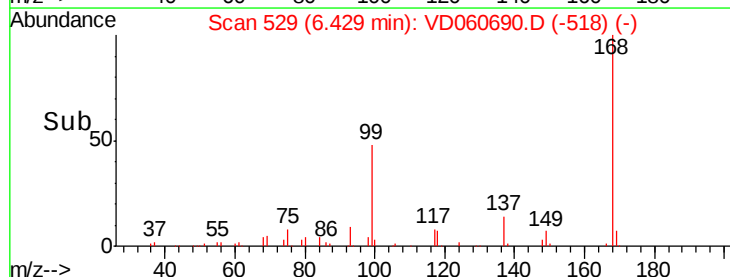
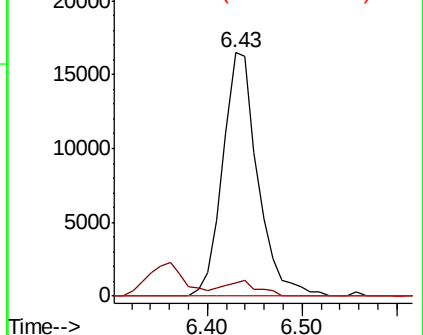
77 0.0 25.4 38.0#

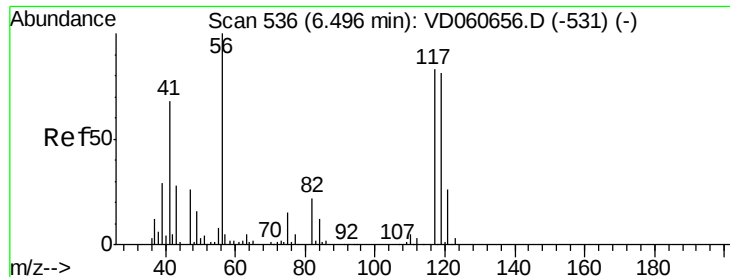


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.267 ug/l

RT: 6.44 min Scan# 530

Delta R.T. -0.06 min

Lab File: VD060690.D

Acq: 21 Dec 2018 18:11

Instrument :

MSVOA_D

ClientSampleId :

VNJ-221

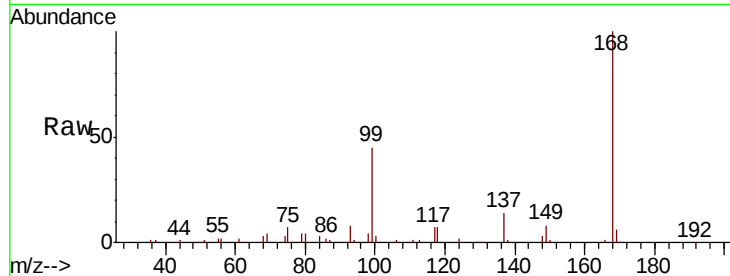
Tot Ion:117 Resp: 42839

Ion Ratio Lower Upper

117 100

119 3.5 77.0 115.4#

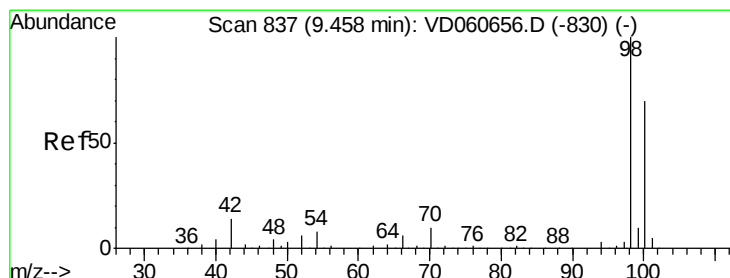
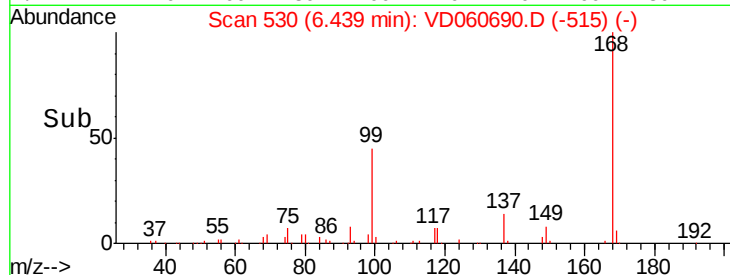
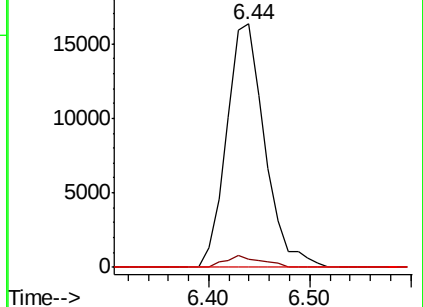
121 0.0 24.7 37.1#



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: VD060690.D

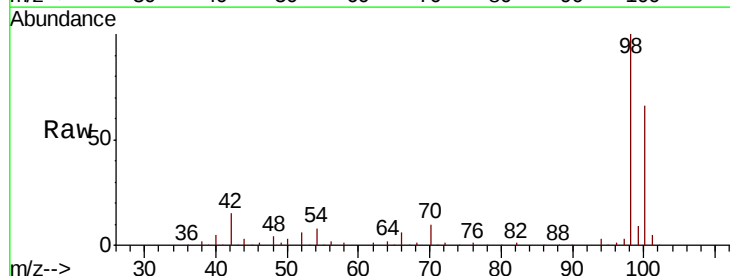
Acq: 21 Dec 2018 18:11

Tgt Ion: 98 Resp: 580397

Ion Ratio Lower Upper

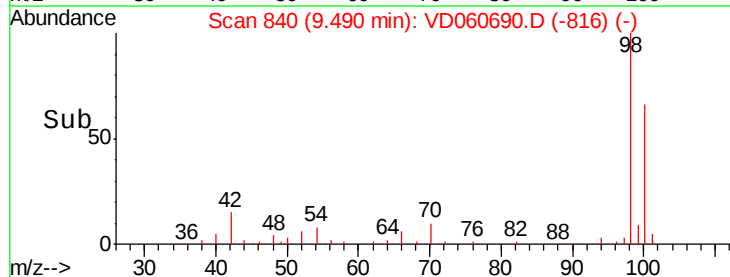
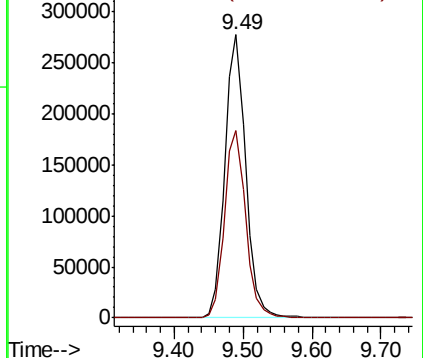
98 100

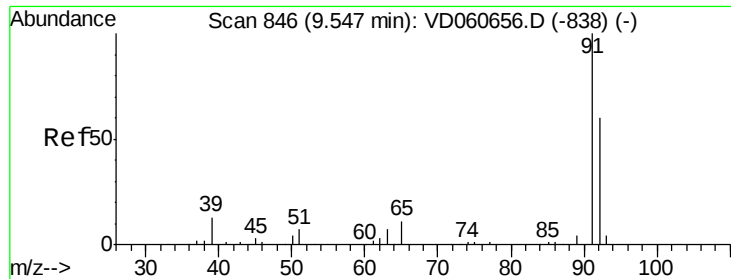
100 66.1 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 3.839 ug/l

RT: 9.58 min Scan# 849

Delta R.T. 0.03 min

Lab File: VD060690.D

Acq: 21 Dec 2018 18:11

Instrument :

MSVOA_D

ClientSampled :

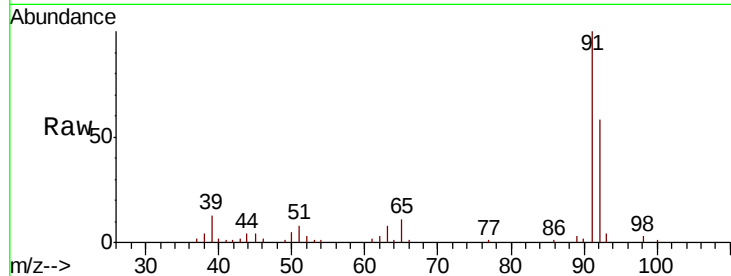
VNJ-221

Tot Ion: 92 Resp: 57313

Ion Ratio Lower Upper

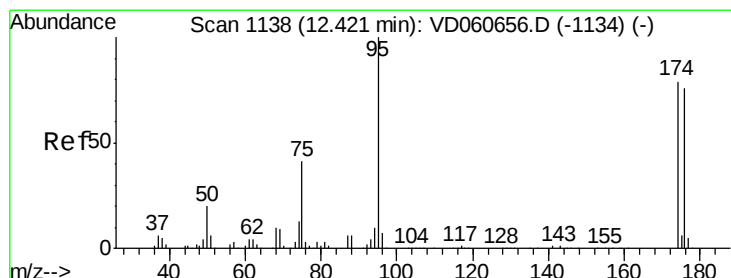
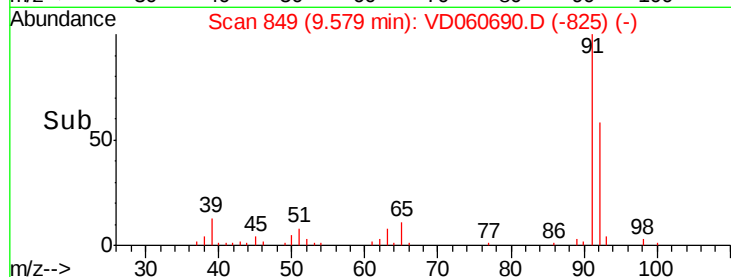
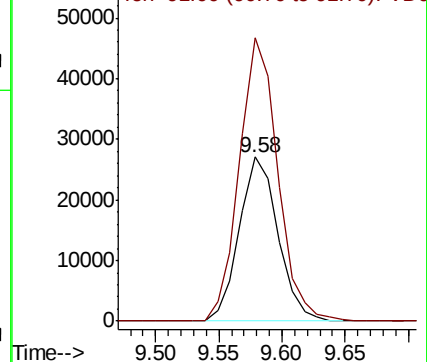
92 100

91 172.5 132.6 199.0



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: 12.44 min Scan# 1140

Delta R.T. 0.02 min

Lab File: VD060690.D

Acq: 21 Dec 2018 18:11

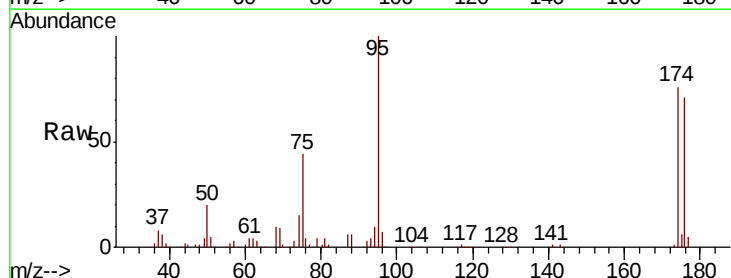
Tgt Ion: 95 Resp: 229609

Ion Ratio Lower Upper

95 100

174 75.7 0.0 158.2

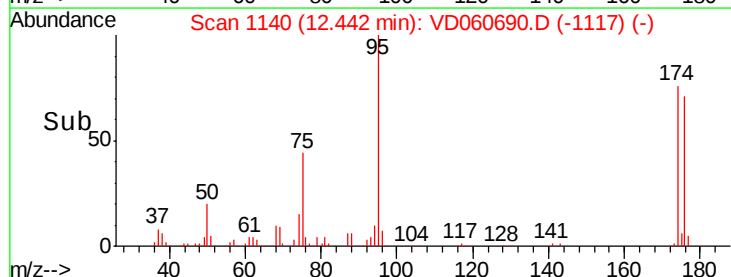
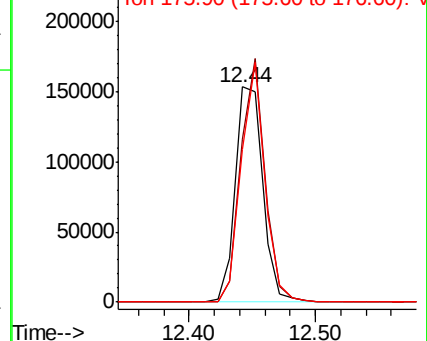
176 71.2 0.0 152.4

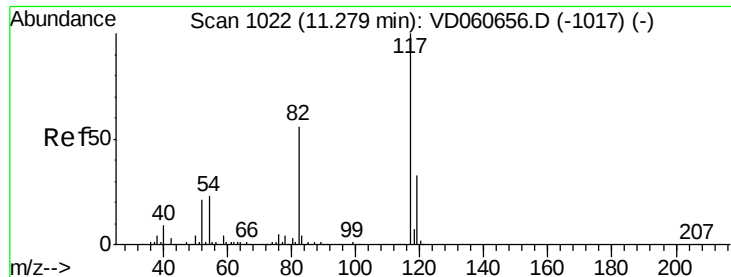


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

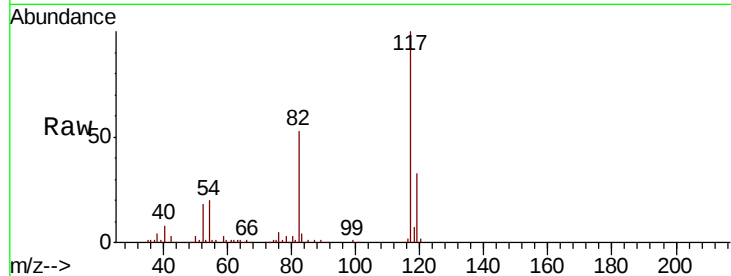




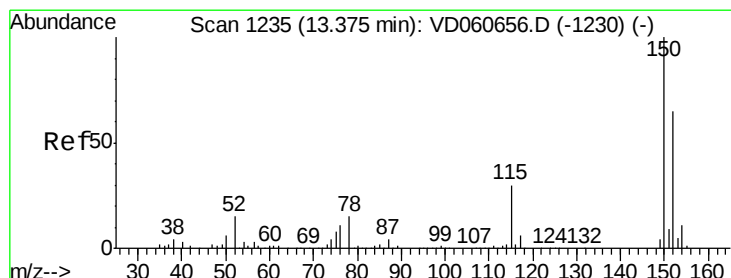
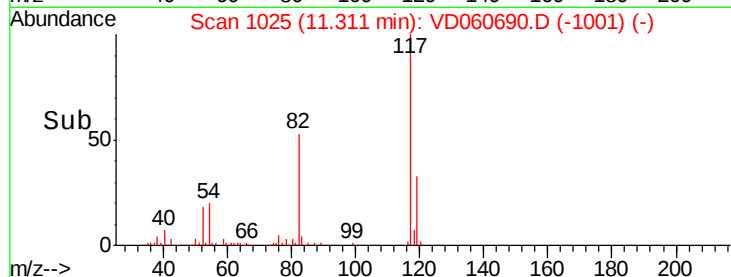
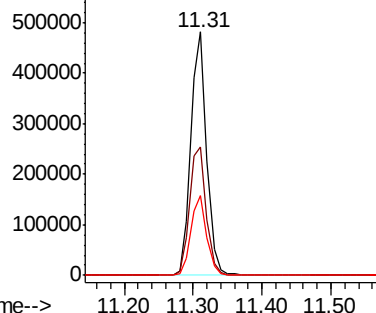
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.31 min Scan# 1025
Delta R.T. 0.03 min
Lab File: VD060690.D
Acq: 21 Dec 2018 18:11

Instrument :
MSVOA_D
ClientSampleId :
VNJ-221

Tot Ion:117 Resp: 763019
Ion Ratio Lower Upper
117 100
82 52.6 44.5 66.7
119 33.0 26.3 39.5

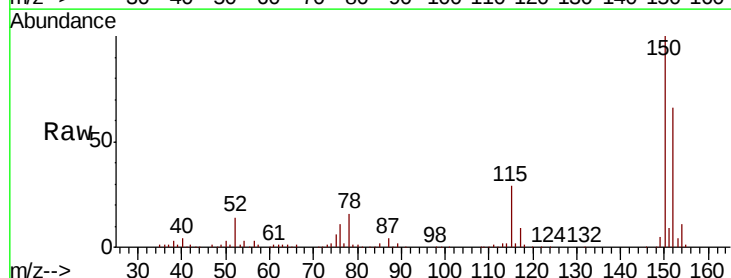


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

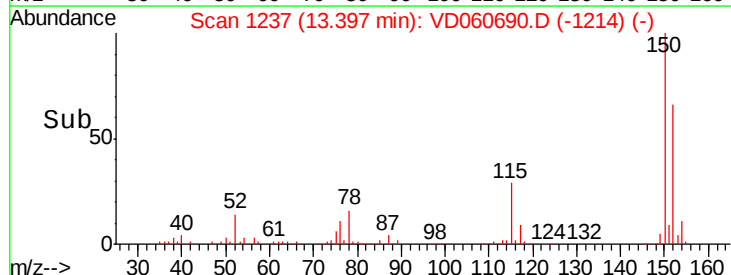
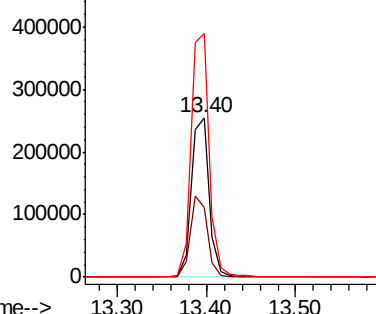


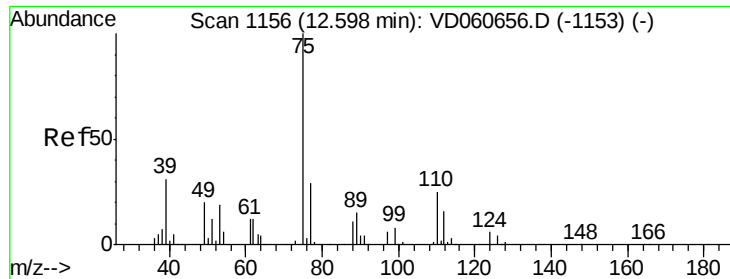
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.40 min Scan# 1237
Delta R.T. 0.02 min
Lab File: VD060690.D
Acq: 21 Dec 2018 18:11

Tgt Ion:152 Resp: 360035
Ion Ratio Lower Upper
152 100
115 43.8 24.1 72.3
150 152.6 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: 23.567 ug/l

RT: 12.44 min Scan# 1140

Delta R.T. -0.16 min

Lab File: VD060690.D

Acq: 21 Dec 2018 18:11

Instrument :

MSVOA_D

ClientSampleId :

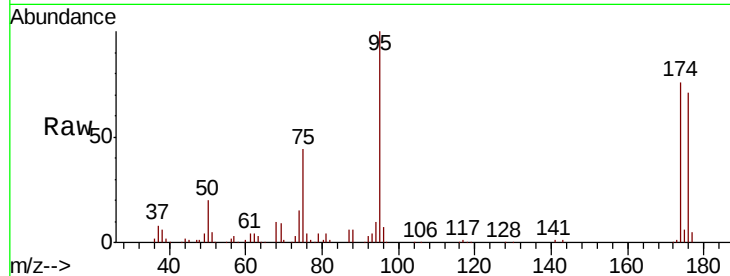
VNJ-221

Tot Ion: 75 Resp: 96598

Ion Ratio Lower Upper

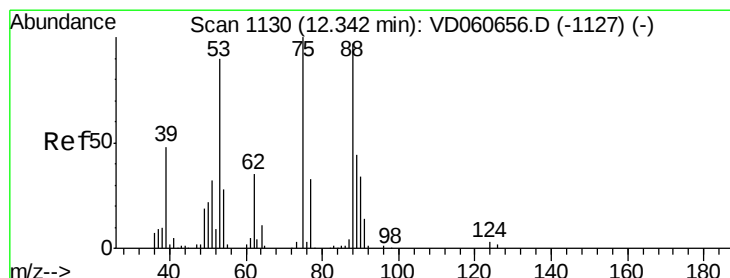
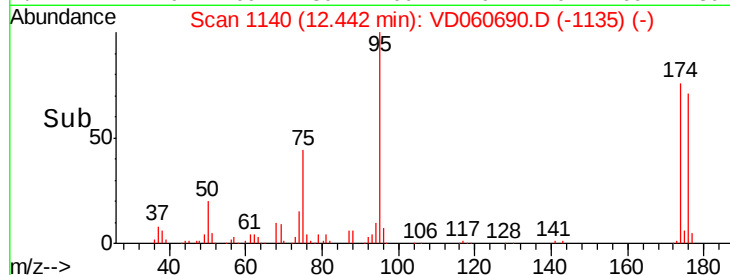
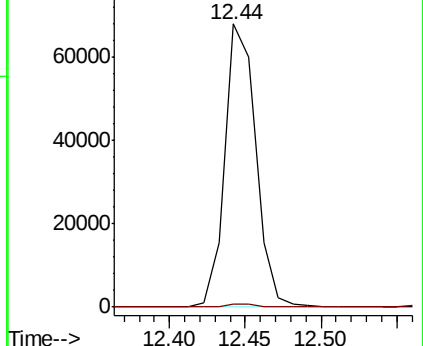
75 100

77 1.2 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: 85.271 ug/l

RT: 12.44 min Scan# 1140

Delta R.T. 0.10 min

Lab File: VD060690.D

Acq: 21 Dec 2018 18:11

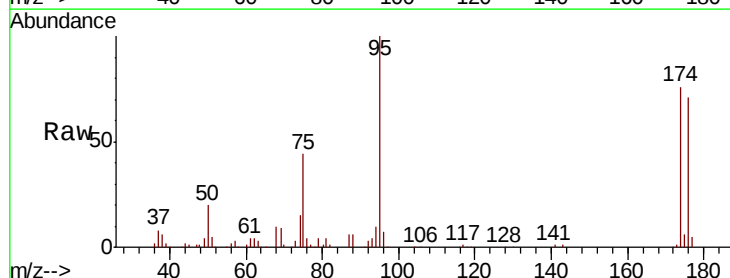
Tgt Ion: 75 Resp: 96581

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

