

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091418\
 Data File : VD060009.D
 Acq On : 14 Sep 2018 14:46
 Operator : JC/SY
 Sample : J4873-03RE
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NF-CON-2RE

Quant Time: Sep 14 15:40:45 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	6.38	168	1448436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2027960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1643149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	839850	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	509013	45.06	ug/l	0.00
Spiked Amount			Recovery	=	90.12%	
35) Dibromofluoromethane	6.31	113	28368	1.79	ug/l	0.00
Spiked Amount			Recovery	=	3.58%	
50) Toluene-d8	9.43	98	1797785	40.94	ug/l	0.00
Spiked Amount			Recovery	=	81.88%	
62) 4-Bromofluorobenzene	12.42	95	677754	40.40	ug/l	0.00
Spiked Amount			Recovery	=	80.80%	

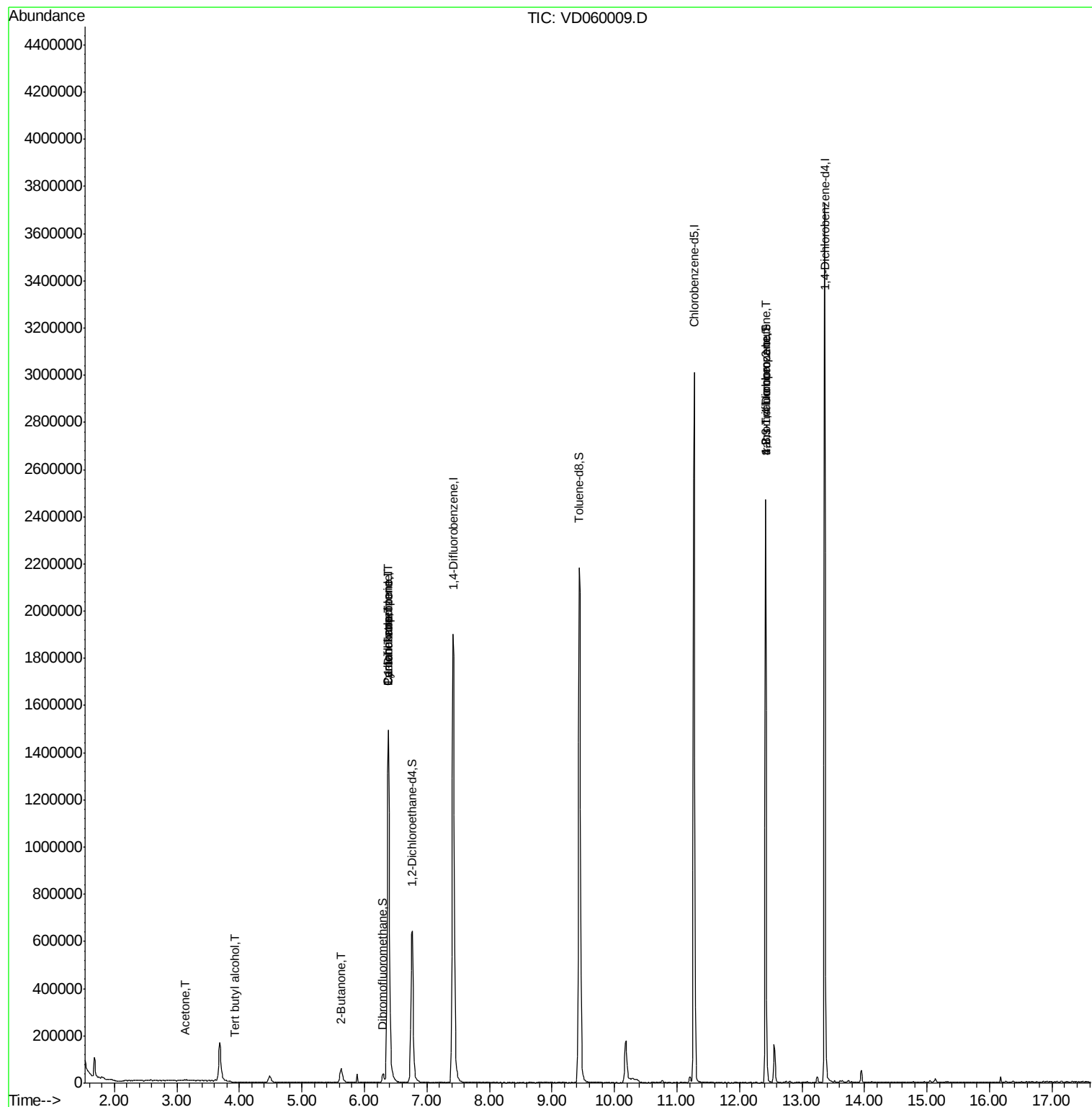
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.92	59	1574	1.73	ug/l	# 74
16) Acetone	3.13	43	9015	4.13	ug/l	# 93
20) Methylene Chloride	3.69	84	96963	Below	Cal	# 96
25) 2-Butanone	5.62	43	7076	1.20	ug/l	# 61
31) Cyclohexane	6.38	56	27916	1.11	ug/l	# 1
36) 1,1-Dichloropropene	6.38	75	104440	5.18	ug/l	# 46
38) Carbon Tetrachloride	6.38	117	113902	6.06	ug/l	# 15
51) 4-Methyl-2-Pentanone	9.33	43	1412	Below	Cal	# 42
59) 2-Hexanone	10.47	43	874	Below	Cal	# 30
76) 1,2,3-Trichloropropane	12.42	75	199825	15.58	ug/l	# 44
81) trans-1,4-Dichloro-2-buten	12.42	75	271971	70.24	ug/l	# 15
89) n-Butylbenzene	13.64	91	1203	Below	Cal	# 77
91) 1,2-Dichlorobenzene	13.66	146	1050	Below	Cal	# 80

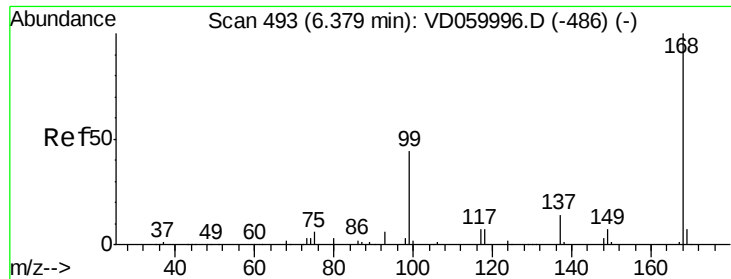
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060009.D

Acq: 14 Sep 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

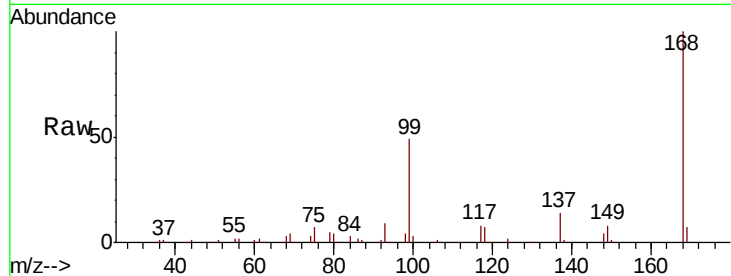
NF-CON-2RE

Tot Ion:168 Resp: 1448436

Ion Ratio Lower Upper

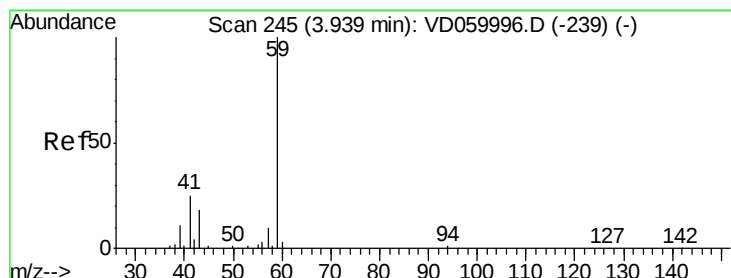
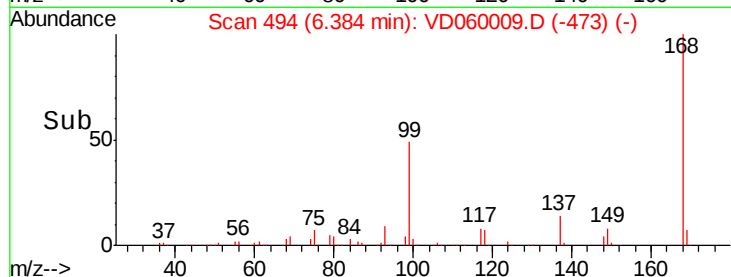
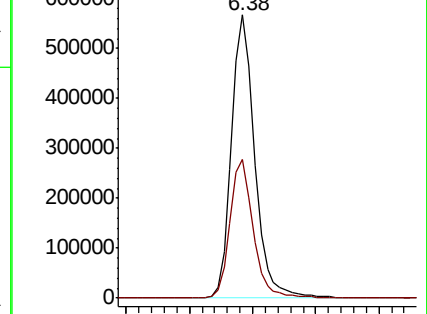
168 100

99 49.1 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.73 ug/l

RT: 3.92 min Scan# 244

Delta R.T. -0.01 min

Lab File: VD060009.D

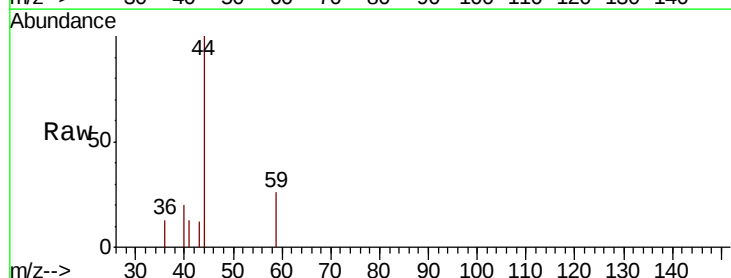
Acq: 14 Sep 2018 14:46

Tgt Ion: 59 Resp: 1574

Ion Ratio Lower Upper

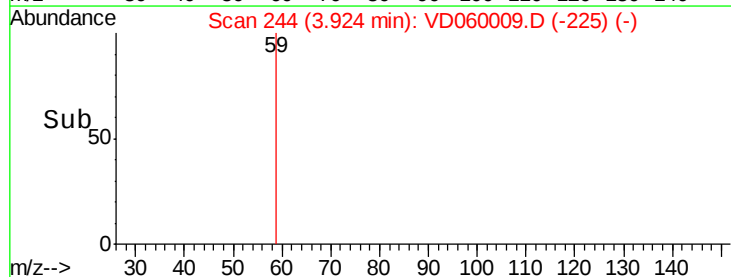
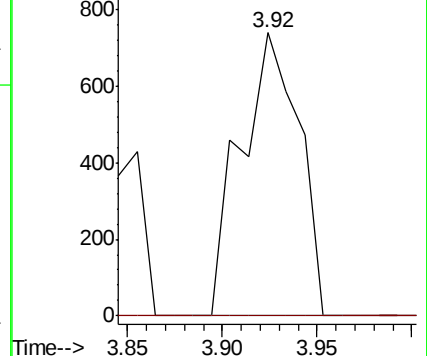
59 100

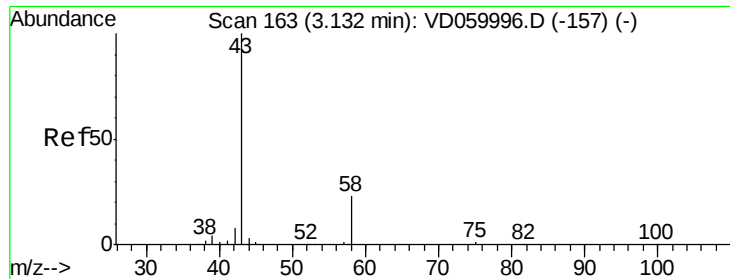
57 0.0 7.4 11.2#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 4.13 ug/l

RT: 3.13 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD060009.D

Acq: 14 Sep 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

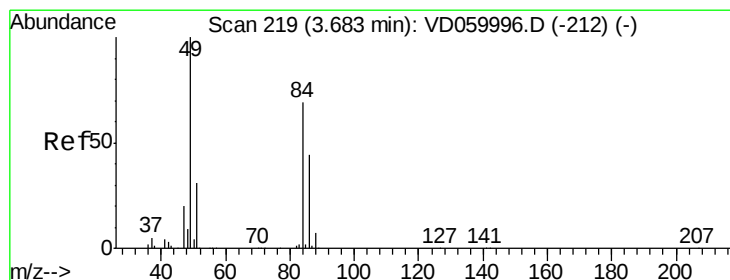
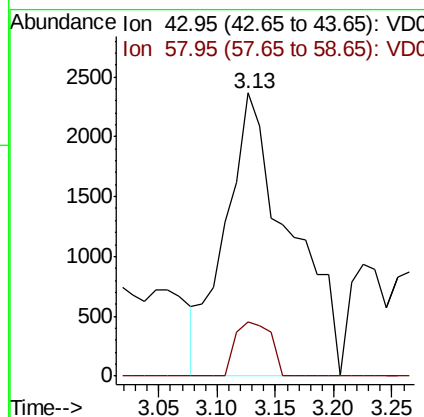
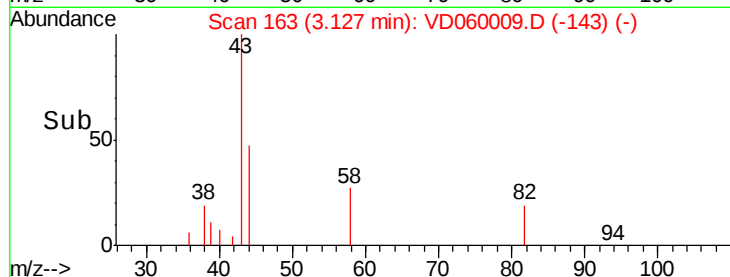
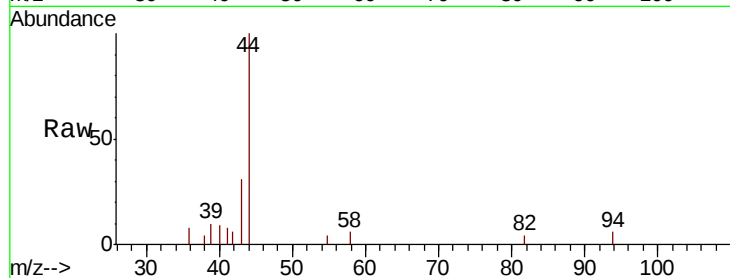
NF-CON-2RE

Tot Ion: 43 Resp: 9015

Ion Ratio Lower Upper

43 100

58 19.1 18.1 27.1



#20

Methylene Chloride

Concen: Below Cal

RT: 3.69 min Scan# 220

Delta R.T. 0.01 min

Lab File: VD060009.D

Acq: 14 Sep 2018 14:46

Tgt Ion: 84 Resp: 96963

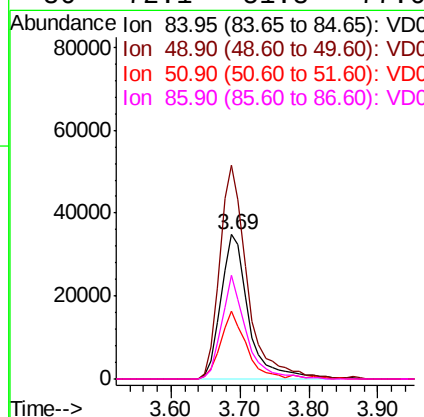
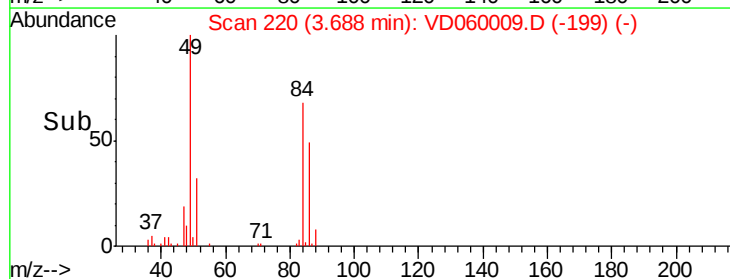
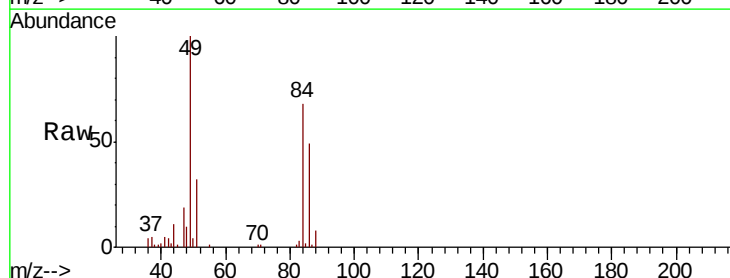
Ion Ratio Lower Upper

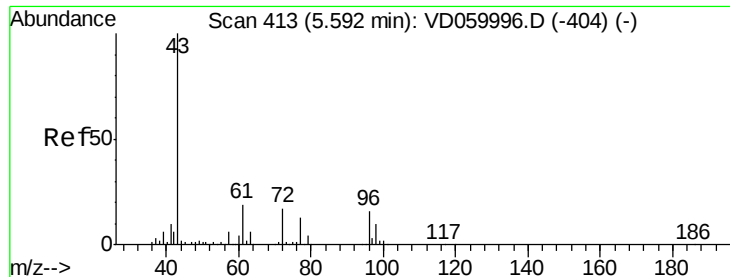
84 100

49 147.7 116.6 175.0

51 46.8 35.9 53.9

86 72.1 51.8 77.6





#25

2-Butanone

Concen: 1.20 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.03 min

Lab File: VD060009.D

Acq: 14 Sep 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

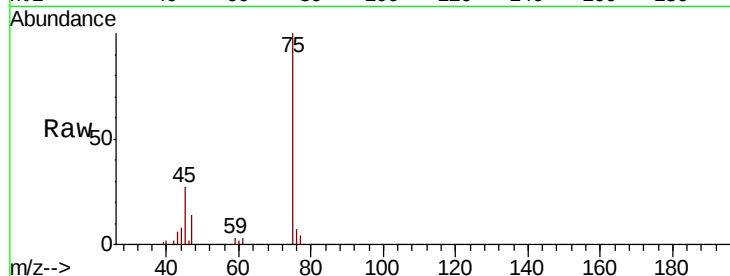
NF-CON-2RE

Tot Ion: 43 Resp: 7076

Ion Ratio Lower Upper

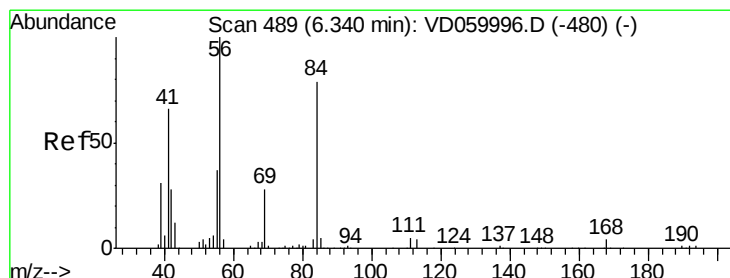
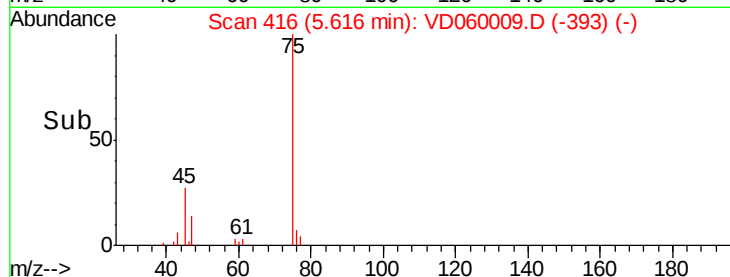
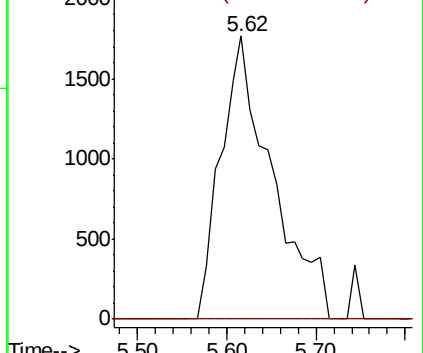
43 100

72 0.0 13.6 20.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.11 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.04 min

Lab File: VD060009.D

Acq: 14 Sep 2018 14:46

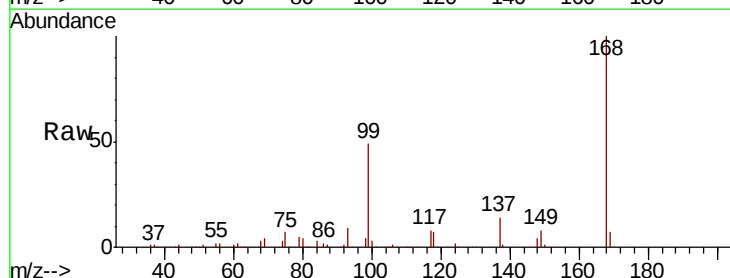
Tgt Ion: 56 Resp: 27916

Ion Ratio Lower Upper

56 100

69 215.3 22.7 34.1#

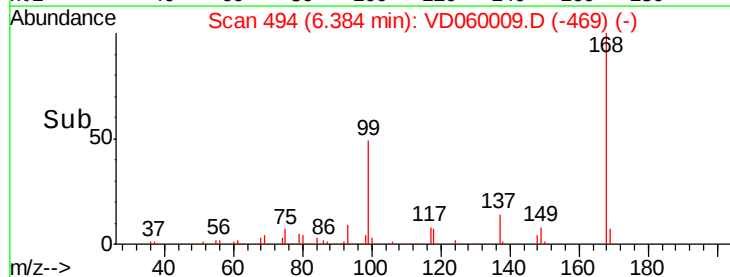
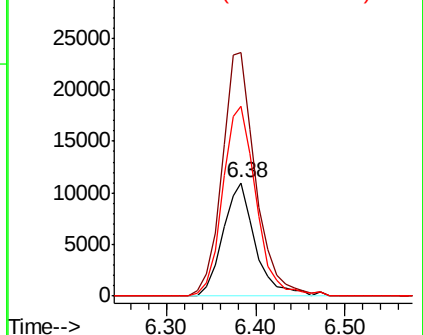
84 167.6 64.0 96.0#

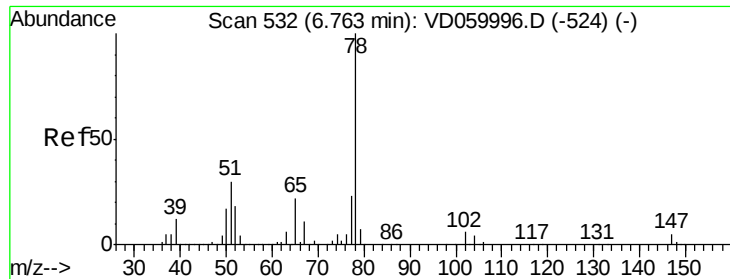


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 6.76 min Scan# 532

Delta R.T. -0.00 min

Lab File: VD060009.D

Acq: 14 Sep 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

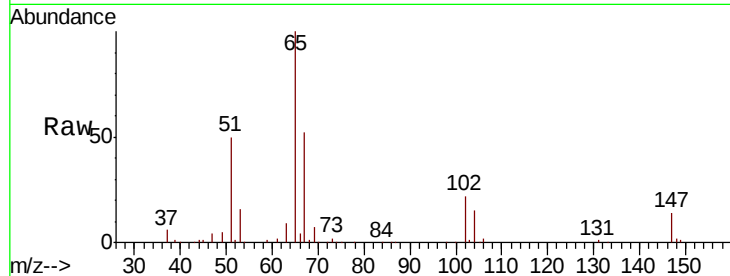
NF-CON-2RE

Tot Ion: 65 Resp: 509013

Ion Ratio Lower Upper

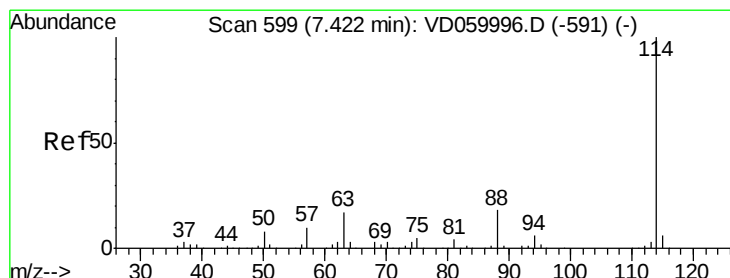
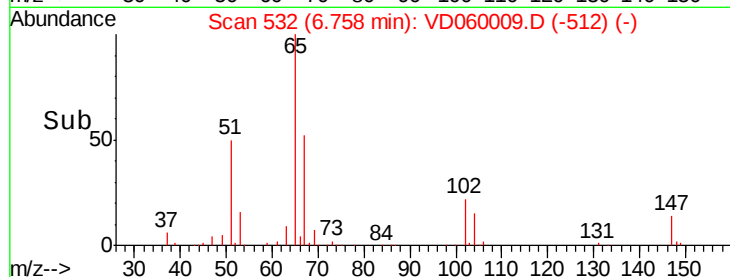
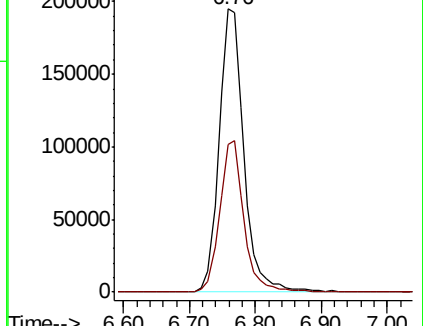
65 100

67 52.1 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: 50.00 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.00 min

Lab File: VD060009.D

Acq: 14 Sep 2018 14:46

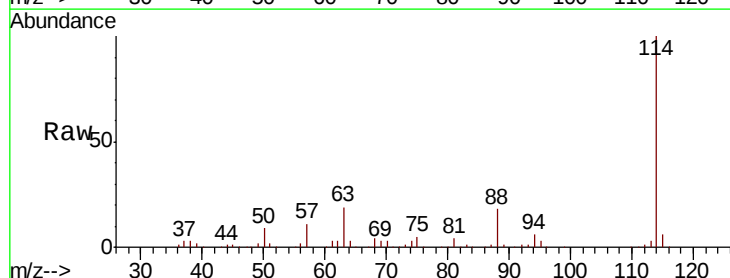
Tgt Ion: 114 Resp: 2027960

Ion Ratio Lower Upper

114 100

63 19.1 0.0 34.4

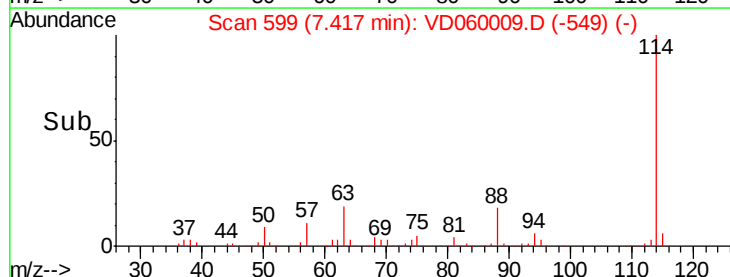
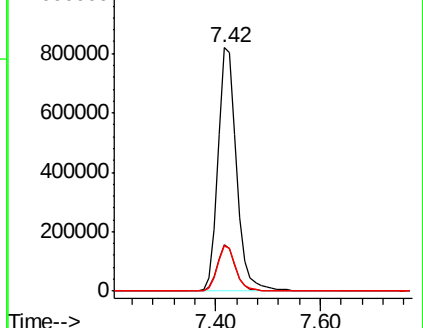
88 18.4 0.0 35.8

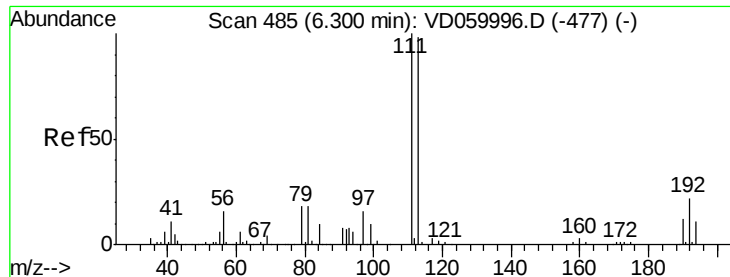


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.31 min Scan# 486

Delta R.T. 0.00 min

Lab File: VD060009.D

Acq: 14 Sep 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

NF-CON-2RE

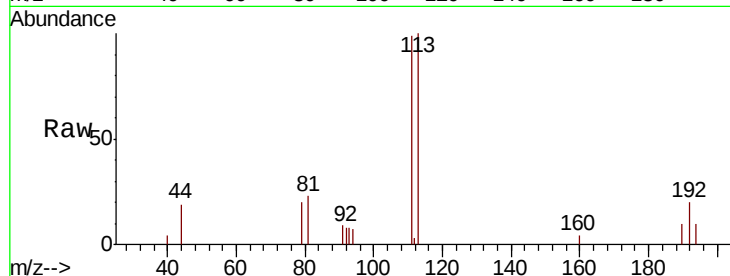
Tot Ion:113 Resp: 28368

Ion Ratio Lower Upper

113 100

111 99.0 81.3 121.9

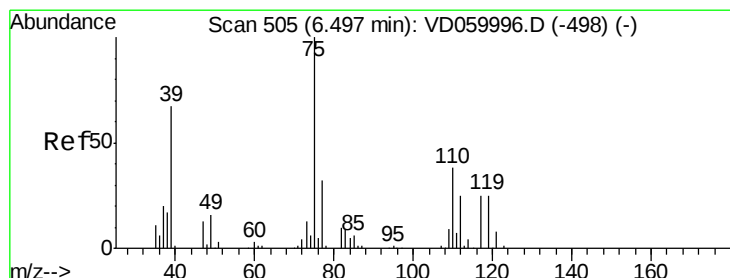
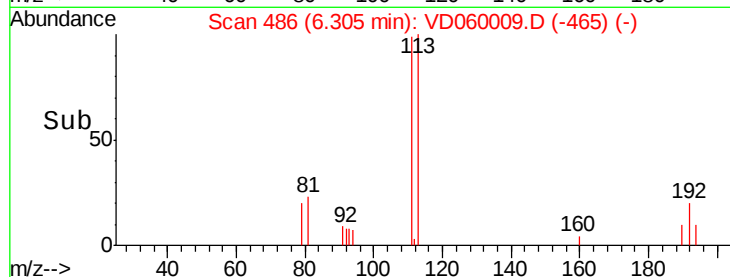
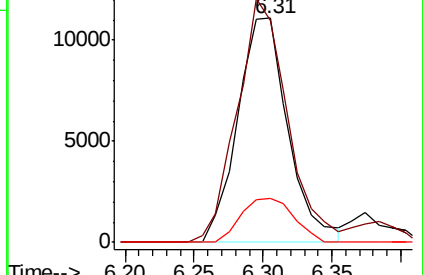
192 19.8 18.1 27.1



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: 5.18 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.11 min

Lab File: VD060009.D

Acq: 14 Sep 2018 14:46

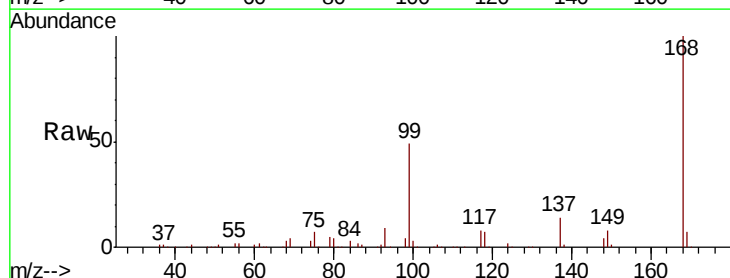
Tgt Ion: 75 Resp: 104440

Ion Ratio Lower Upper

75 100

110 7.0 18.9 56.9#

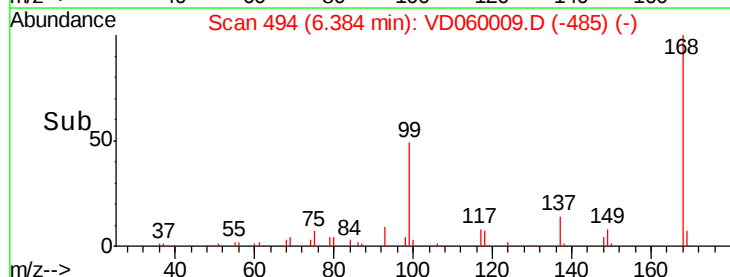
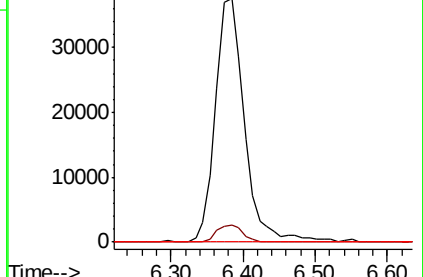
77 0.0 25.3 37.9#

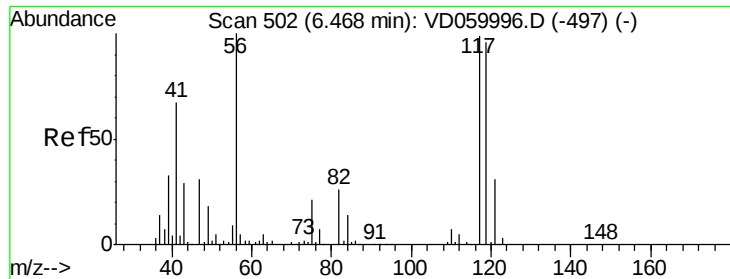


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

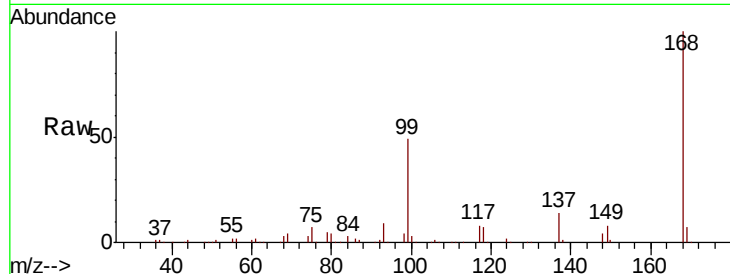




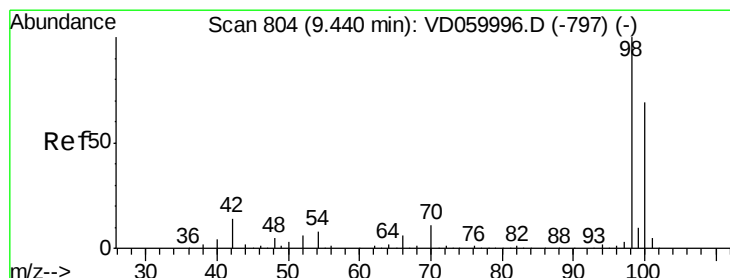
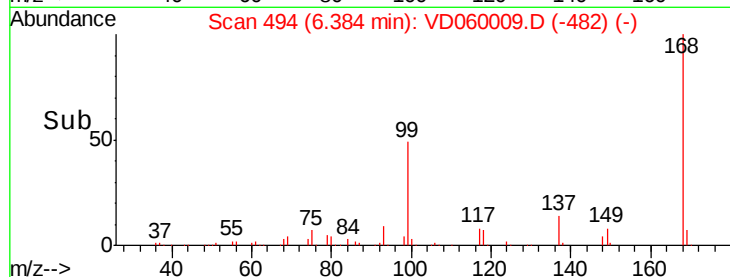
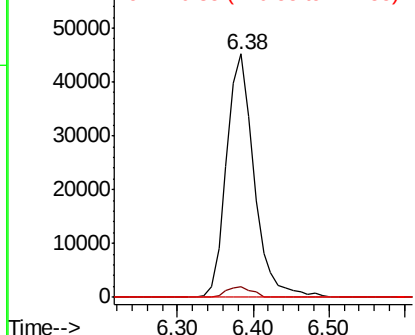
#38
Carbon Tetrachloride
Concen: 6.06 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.08 min
Lab File: VD060009.D
Acq: 14 Sep 2018 14:46

Instrument :
MSVOA_D
ClientSampleId :
NF-CON-2RE

Tot Ion:117 Resp: 113902
Ion Ratio Lower Upper
117 100
119 4.5 76.7 115.1#
121 0.0 24.9 37.3#

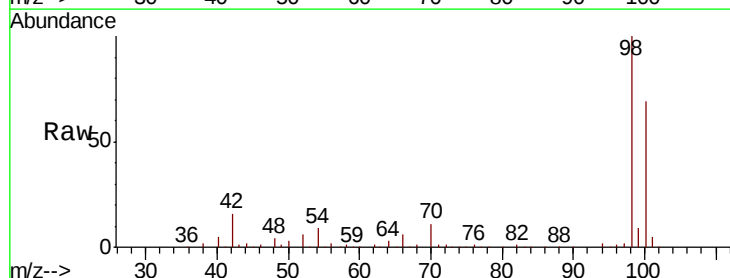


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

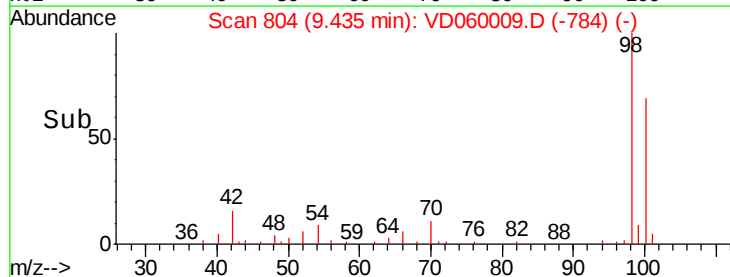
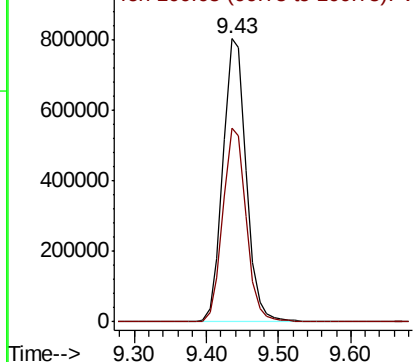


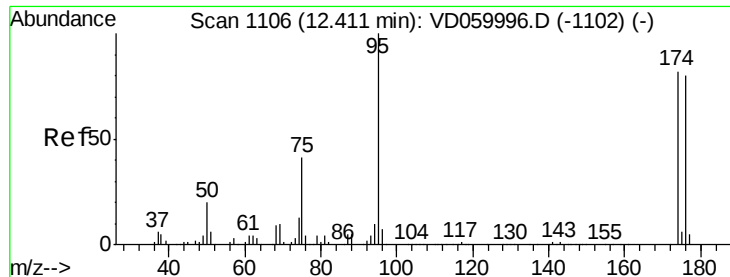
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.01 min
Lab File: VD060009.D
Acq: 14 Sep 2018 14:46

Tgt Ion: 98 Resp: 1797785
Ion Ratio Lower Upper
98 100
100 68.7 55.8 83.6



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060009.D

Acq: 14 Sep 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

NF-CON-2RE

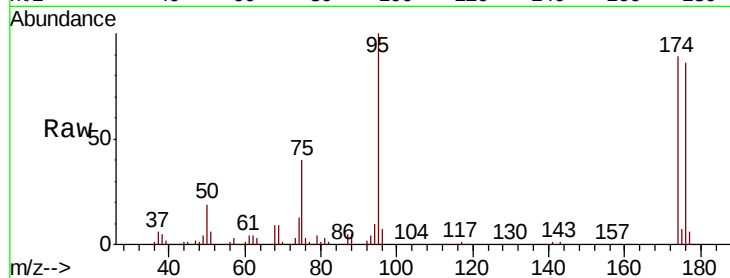
Tot Ion: 95 Resp: 677754

Ion Ratio Lower Upper

95 100

174 89.0 0.0 165.0

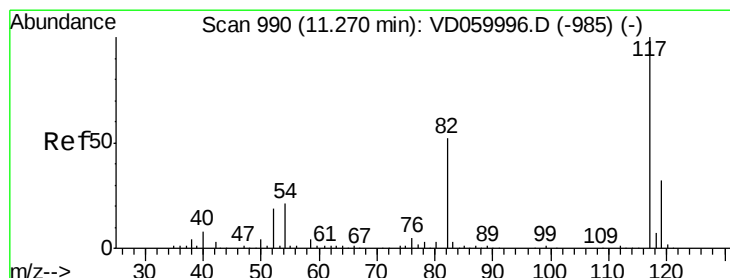
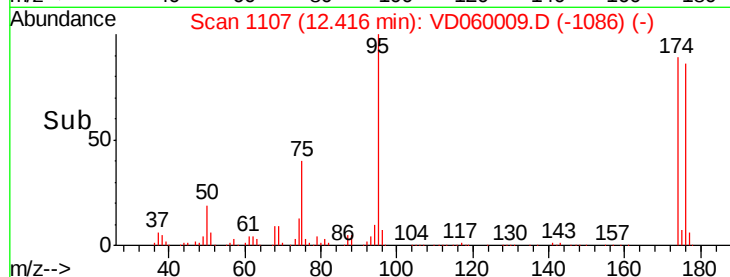
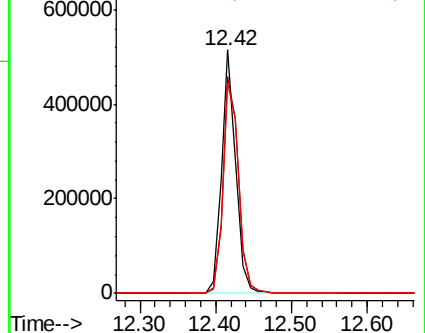
176 86.5 0.0 160.2



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: 50.00 ug/l

RT: 11.27 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD060009.D

Acq: 14 Sep 2018 14:46

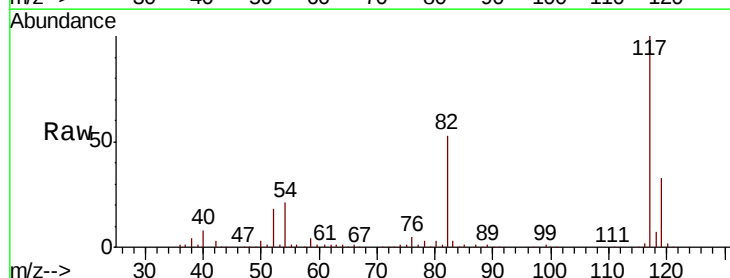
Tgt Ion: 117 Resp: 1643149

Ion Ratio Lower Upper

117 100

82 52.6 41.7 62.5

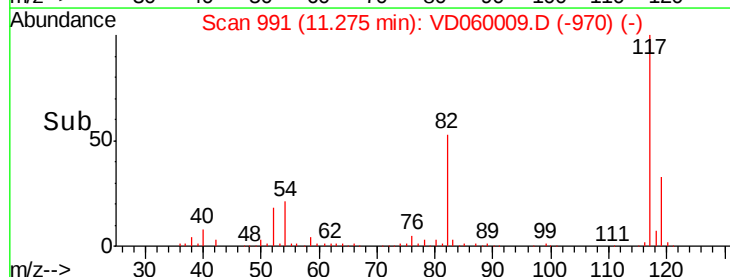
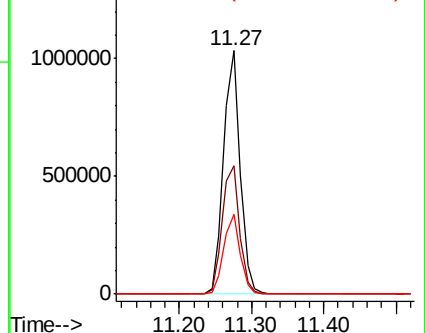
119 33.0 26.0 39.0

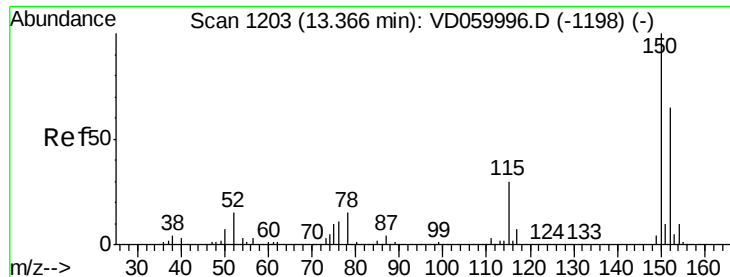


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD060009.D

Acq: 14 Sep 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

NF-CON-2RE

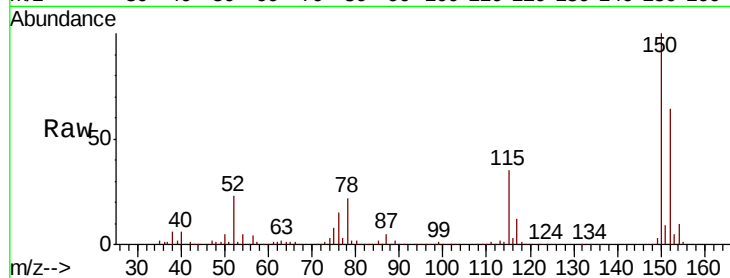
Tot Ion:152 Resp: 839850

Ion Ratio Lower Upper

152 100

115 54.9 24.6 73.8

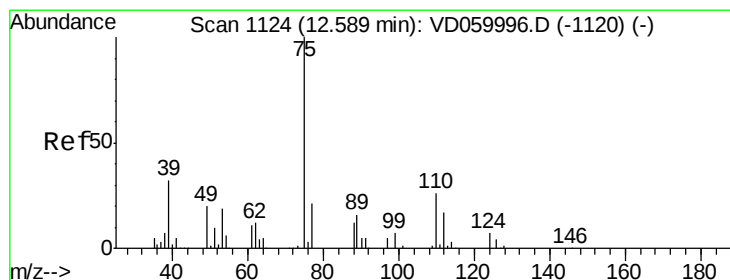
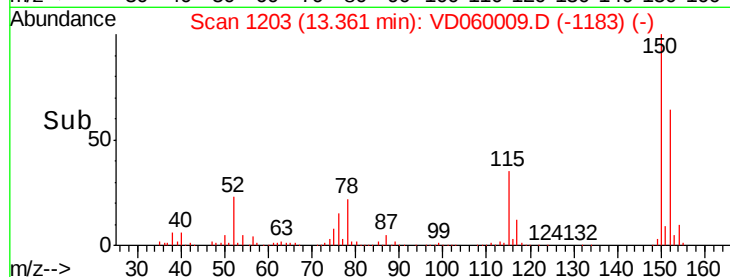
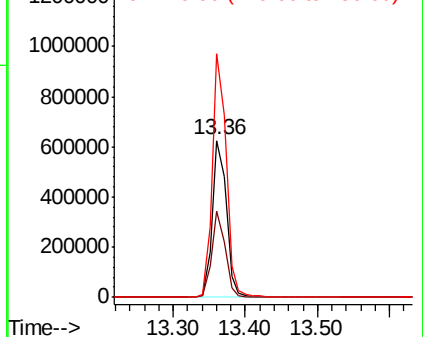
150 155.5 0.0 313.4



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



#76

1,2,3-Trichloropropane

Concen: 15.58 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.17 min

Lab File: VD060009.D

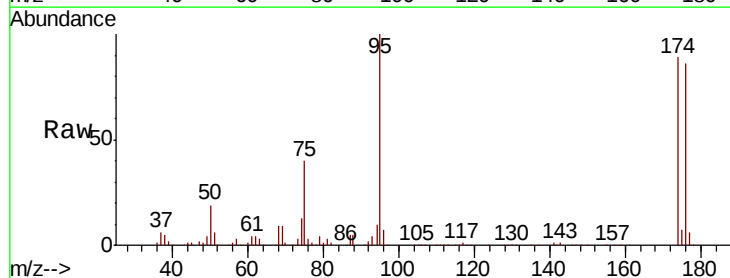
Acq: 14 Sep 2018 14:46

Tgt Ion: 75 Resp: 199825

Ion Ratio Lower Upper

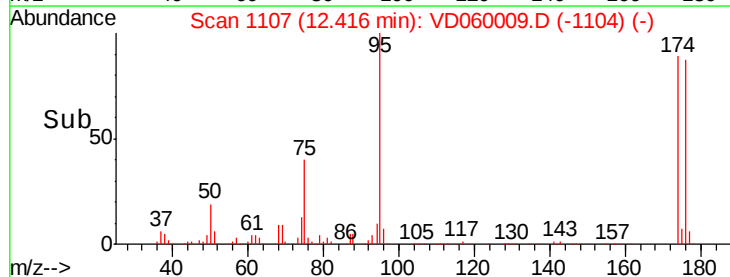
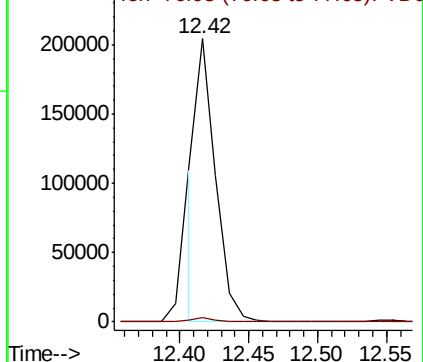
75 100

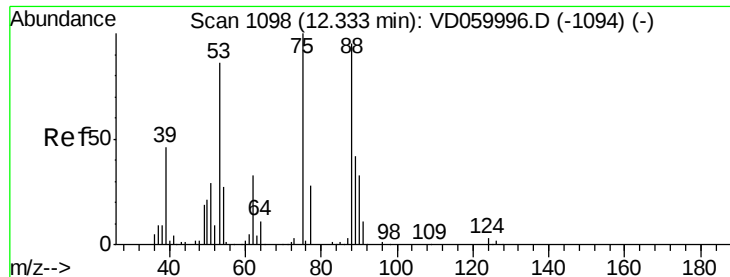
77 1.6 16.4 49.4#



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: 70.24 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.08 min

Lab File: VD060009.D

Acq: 14 Sep 2018 14:46

Instrument :

MSVOA_D

ClientSampleId :

NF-CON-2RE

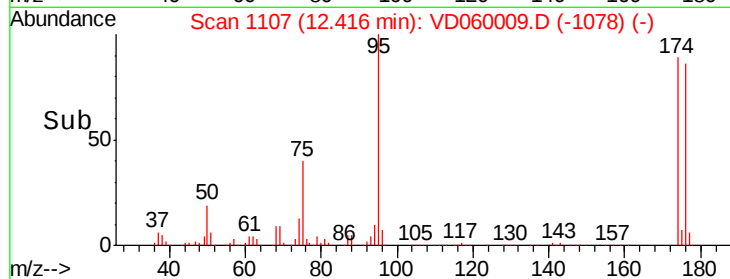
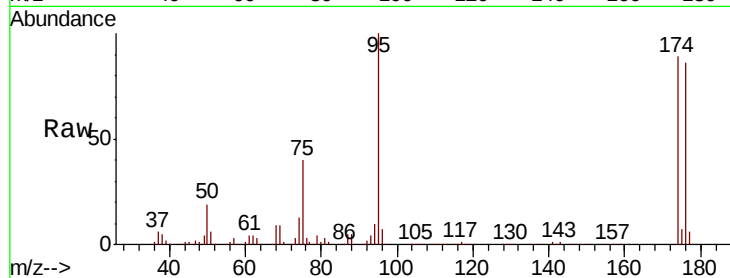
Tot Ion: 75 Resp: 271971

Ion Ratio Lower Upper

75 100

53 0.0 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

