

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091418\
 Data File : VD060008.D
 Acq On : 14 Sep 2018 14:18
 Operator : JC/SY
 Sample : J4873-01RE
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NF-CON-1RE

Quant Time: Sep 14 15:01:11 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	1429130	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.43	114	2049312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1673505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	865777	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	494228	44.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.70%	
35) Dibromofluoromethane	6.30	113	30170	1.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	3.76%	
50) Toluene-d8	9.44	98	1702078	38.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	76.72%	
62) 4-Bromofluorobenzene	12.43	95	656524	38.73	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	77.46%	

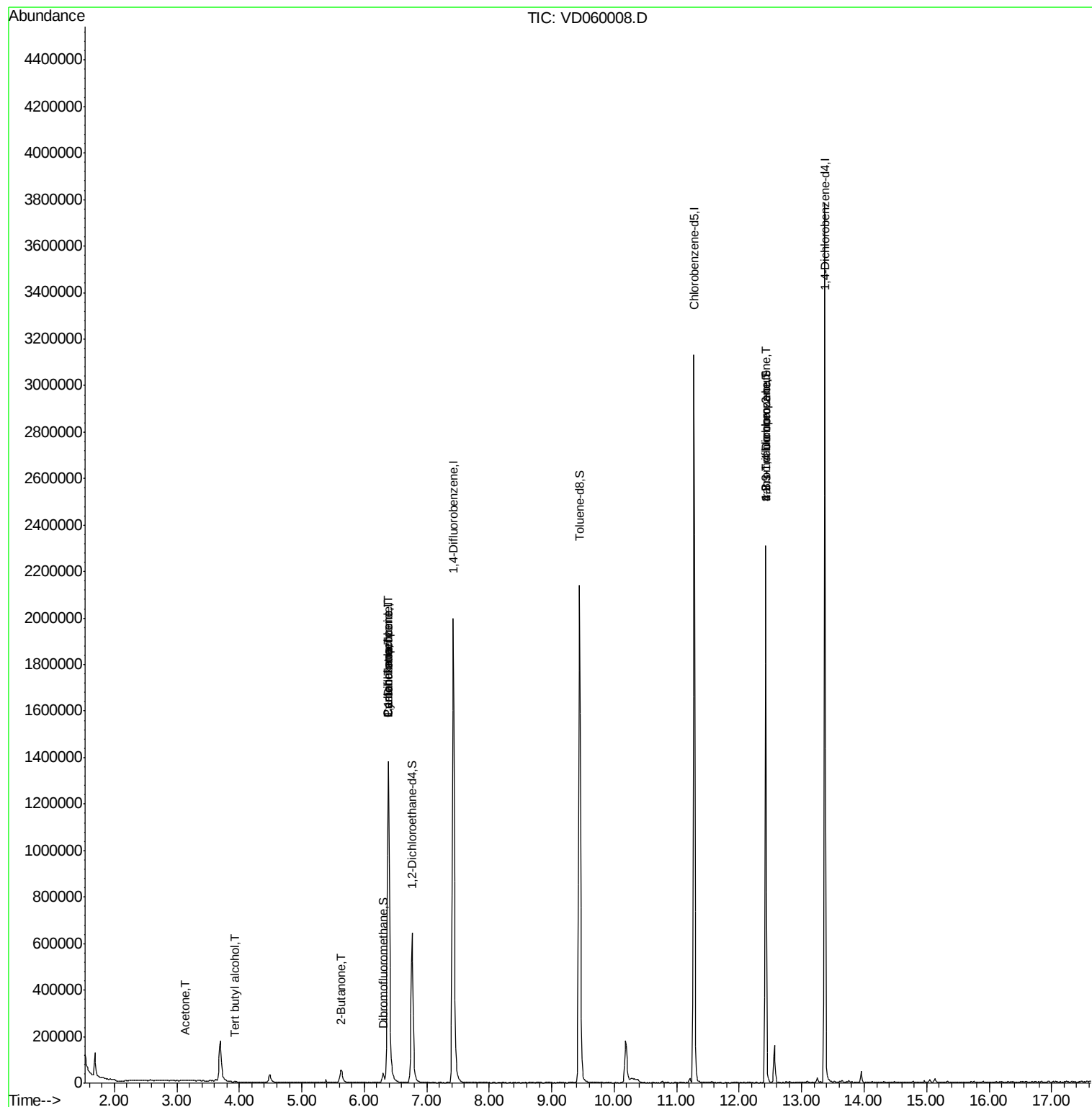
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.93	59	1534	1.71	ug/l	# 74
16) Acetone	3.14	43	10230	4.75	ug/l	93
20) Methylene Chloride	3.70	84	105467	Below	Cal	97
25) 2-Butanone	5.63	43	6314	1.09	ug/l	# 61
31) Cyclohexane	6.38	56	26116	1.06	ug/l	# 1
36) 1,1-Dichloropropene	6.38	75	99930	4.91	ug/l	# 46
38) Carbon Tetrachloride	6.38	117	110183	5.80	ug/l	# 16
51) 4-Methyl-2-Pentanone	9.34	43	1472	Below	Cal	# 42
59) 2-Hexanone	10.48	43	596	Below	Cal	# 30
76) 1,2,3-Trichloropropane	12.43	75	241419	18.26	ug/l	# 45
81) trans-1,4-Dichloro-2-buten	12.43	75	267635	67.05	ug/l	# 15
89) n-Butylbenzene	13.65	91	1642	Below	Cal	82
91) 1,2-Dichlorobenzene	13.66	146	1004	Below	Cal	92

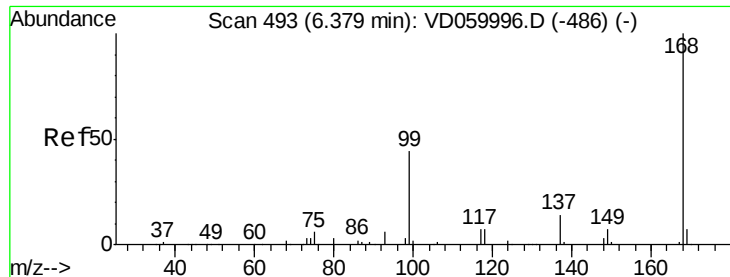
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060008.D

Acq: 14 Sep 2018 14:18

Instrument :

MSVOA_D

ClientSampleId :

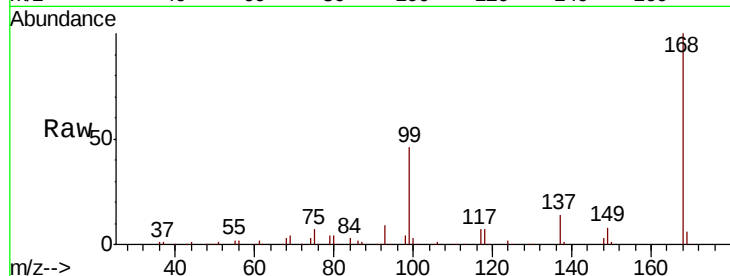
NF-CON-1RE

Tot Ion:168 Resp: 1429130

Ion Ratio Lower Upper

168 100

99 46.2 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

500000

400000

300000

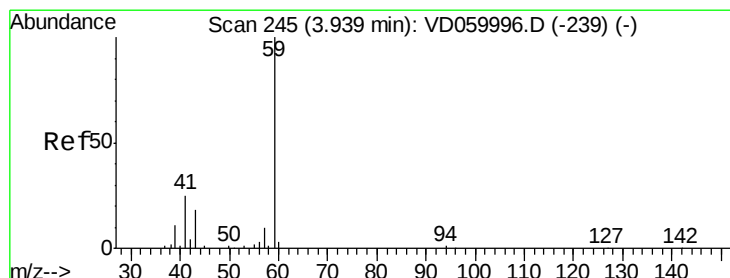
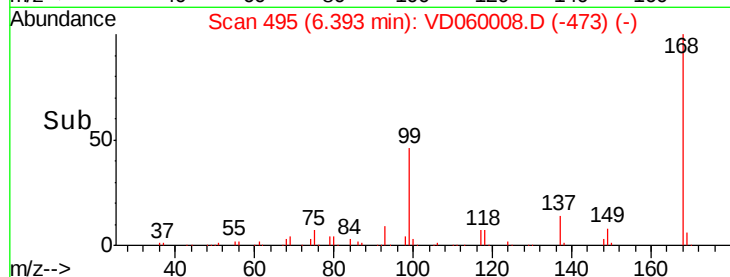
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#11

Tert butyl alcohol

Concen: 1.71 ug/l

RT: 3.93 min Scan# 245

Delta R.T. -0.01 min

Lab File: VD060008.D

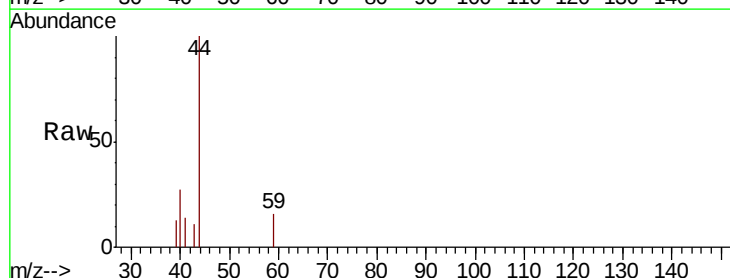
Acq: 14 Sep 2018 14:18

Tgt Ion: 59 Resp: 1534

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

3.93

600

500

400

300

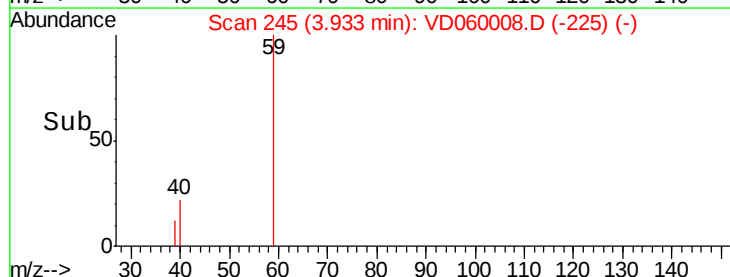
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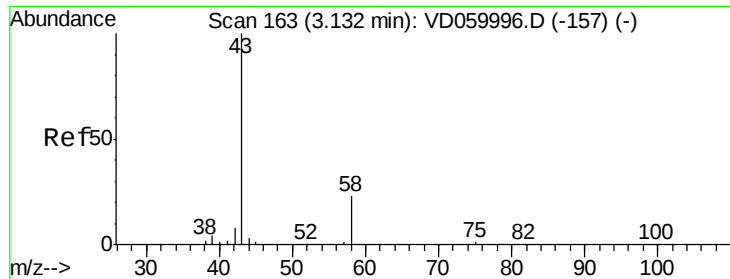
100

0

3.85 3.90 3.95 4.00

Time-->





#16

Acetone

Concen: 4.75 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060008.D

Acq: 14 Sep 2018 14:18

Instrument :

MSVOA_D

ClientSampleId :

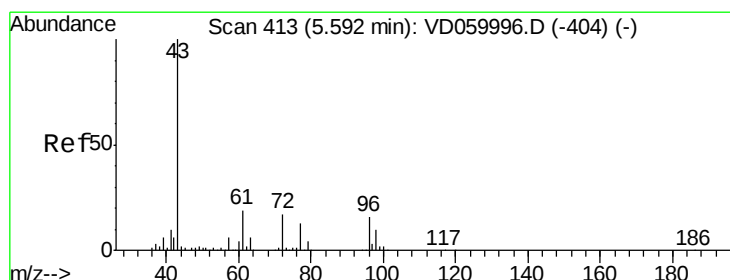
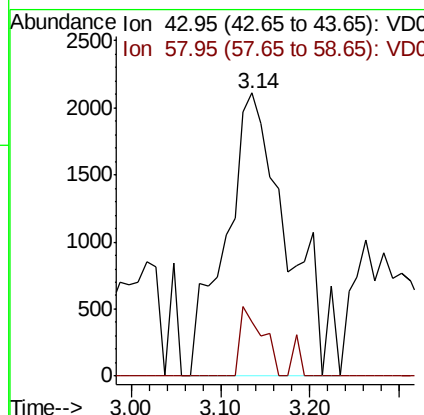
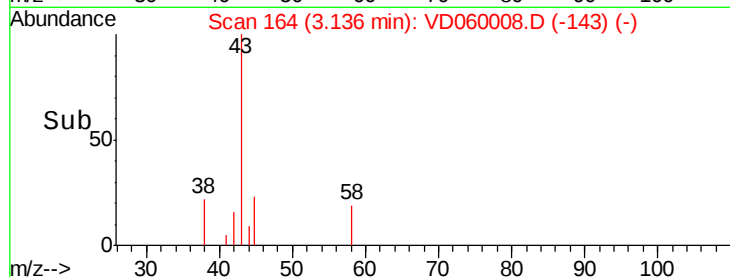
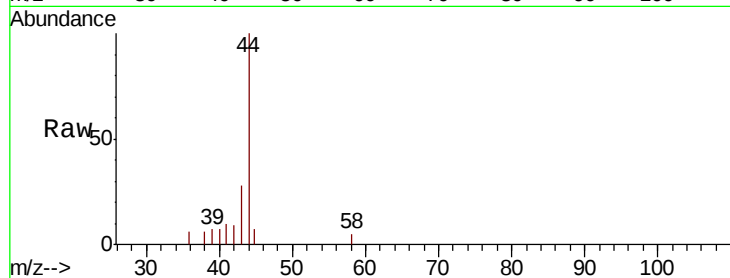
NF-CON-1RE

Tot Ion: 43 Resp: 10230

Ion Ratio Lower Upper

43 100

58 19.2 18.1 27.1



#25

2-Butanone

Concen: 1.09 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.03 min

Lab File: VD060008.D

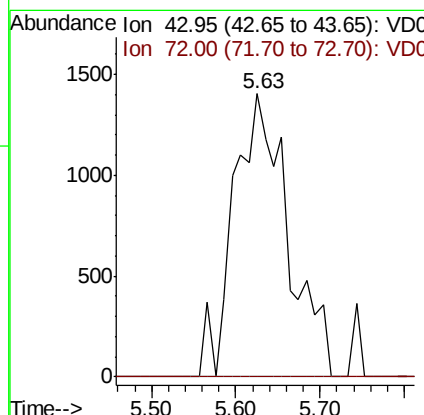
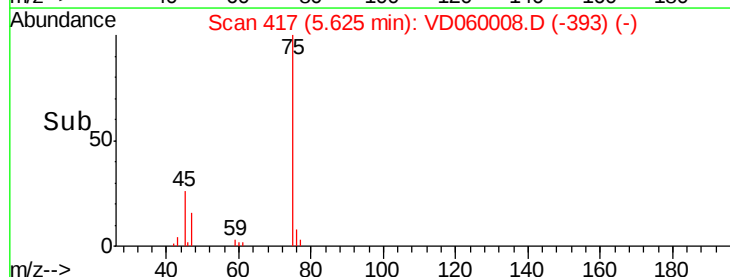
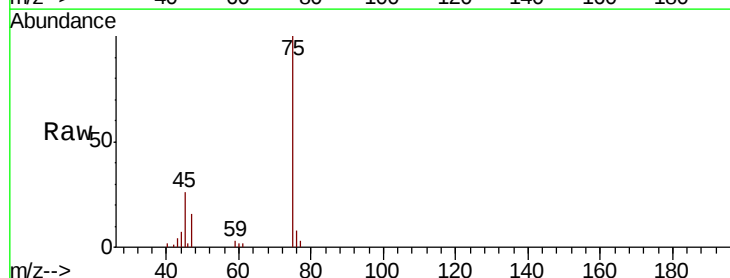
Acq: 14 Sep 2018 14:18

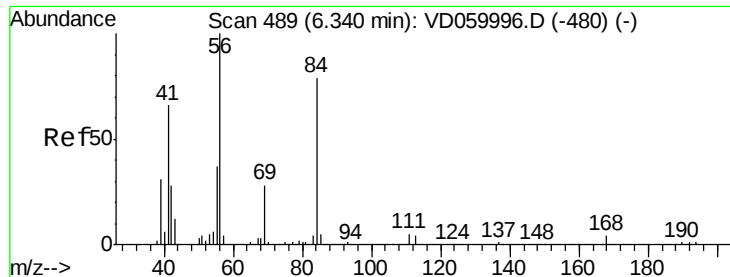
Tgt Ion: 43 Resp: 6314

Ion Ratio Lower Upper

43 100

72 0.0 13.6 20.4#

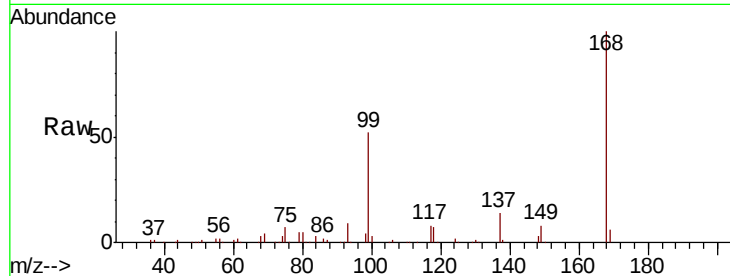




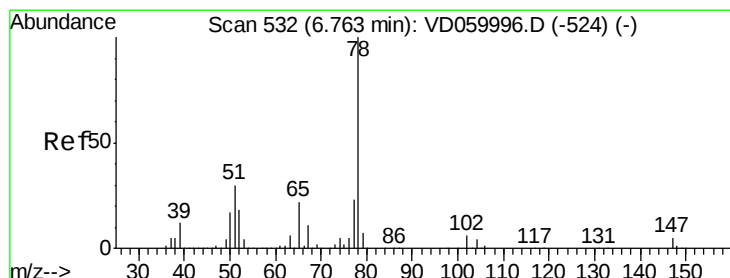
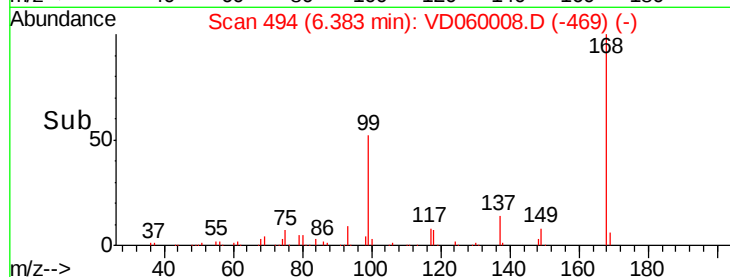
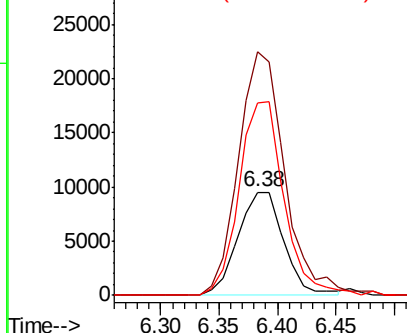
#31
Cyclohexane
Concen: 1.06 ug/l
RT: 6.38 min Scan# 494
Delta R.T. 0.04 min
Lab File: VD060008.D
Acq: 14 Sep 2018 14:18

Instrument :
MSVOA_D
ClientSampleId :
NF-CON-1RE

Tot Ion: 56 Resp: 26116
Ion Ratio Lower Upper
56 100
69 236.3 22.7 34.1#
84 186.8 64.0 96.0#

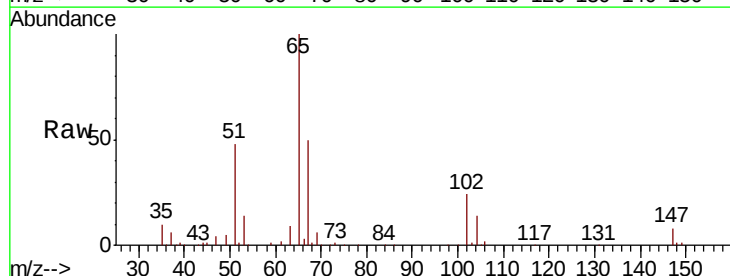


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

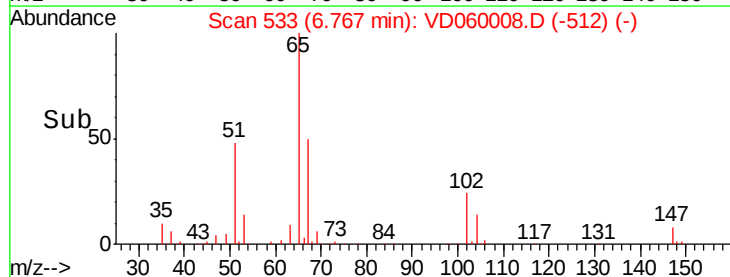
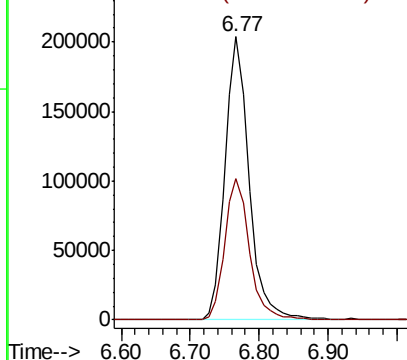


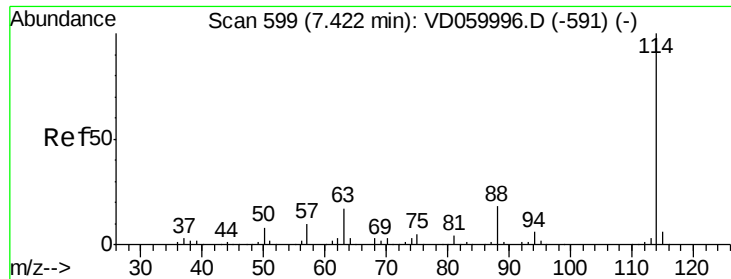
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD060008.D
Acq: 14 Sep 2018 14:18

Tgt Ion: 65 Resp: 494228
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.8



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

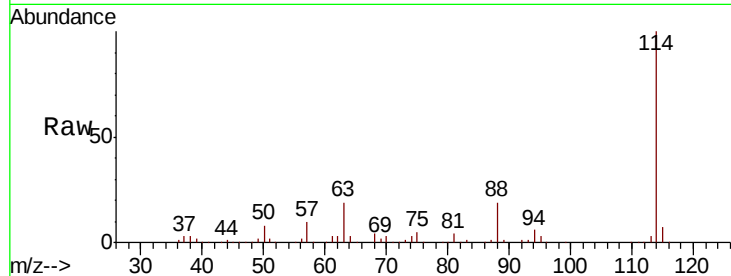




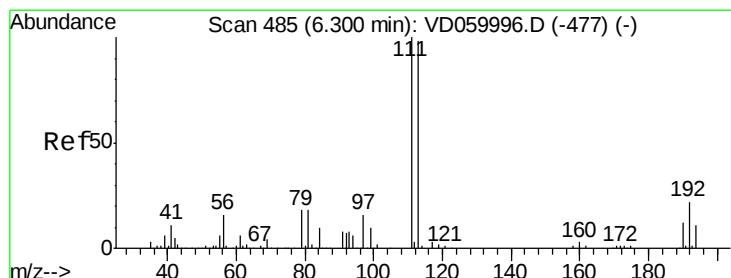
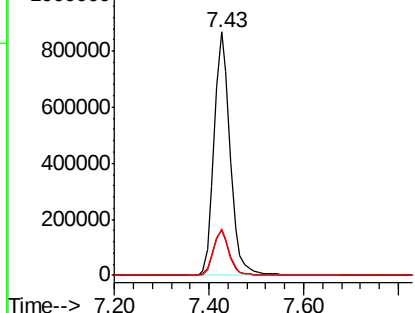
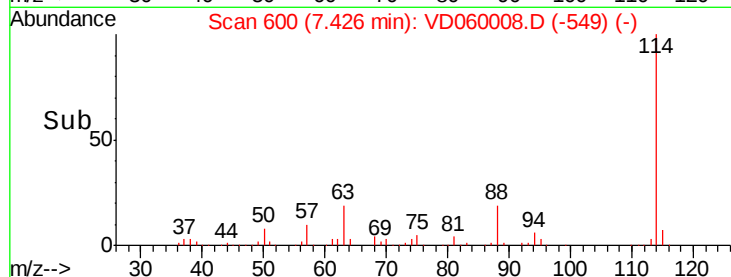
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: VD060008.D
 Acq: 14 Sep 2018 14:18

Instrument :
 MSVOA_D
 ClientSampleID :
 NF-CON-1RE

Tot Ion:114 Resp: 2049312
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 34.4
 88 18.9 0.0 35.8

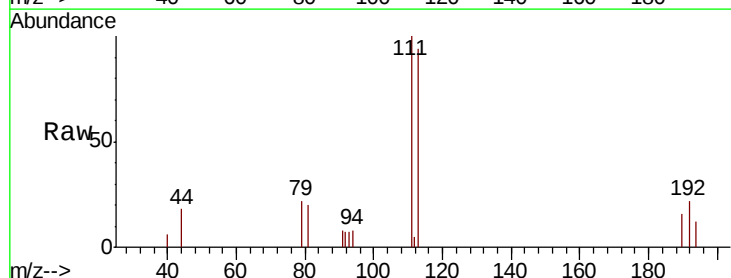


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

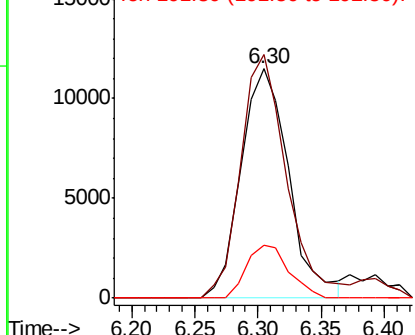
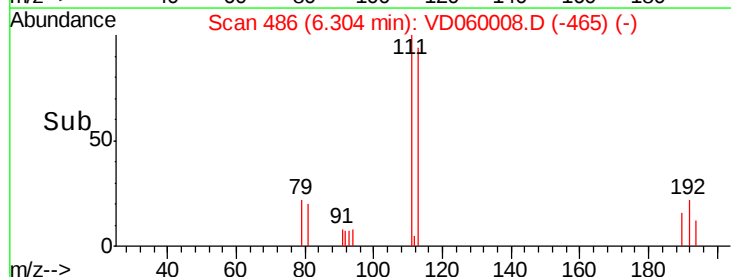


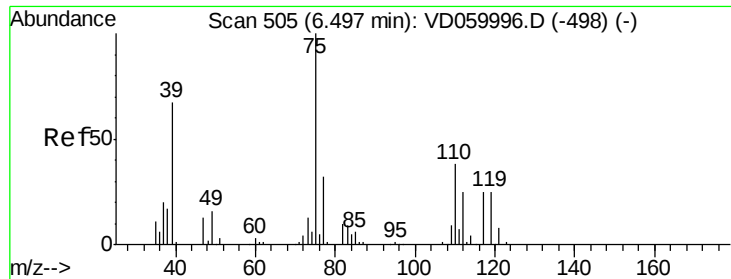
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: VD060008.D
 Acq: 14 Sep 2018 14:18

Tgt Ion:113 Resp: 30170
 Ion Ratio Lower Upper
 113 100
 111 106.2 81.3 121.9
 192 23.1 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

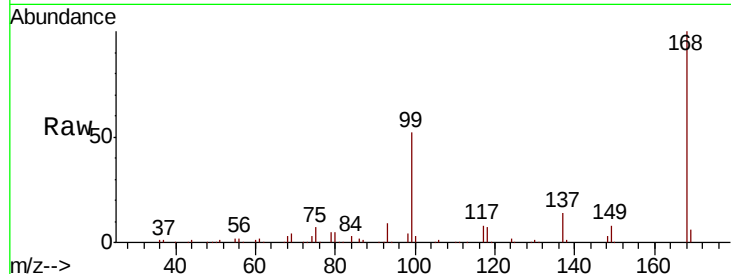




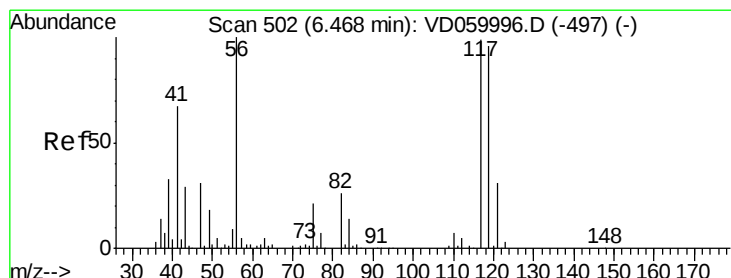
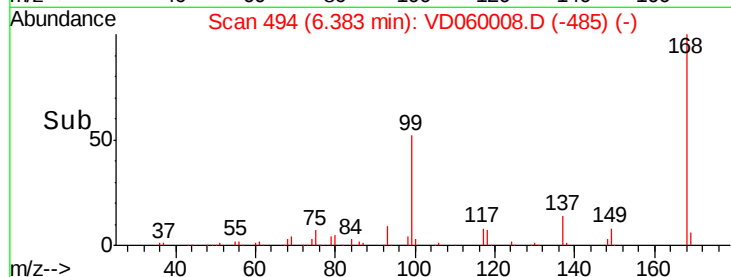
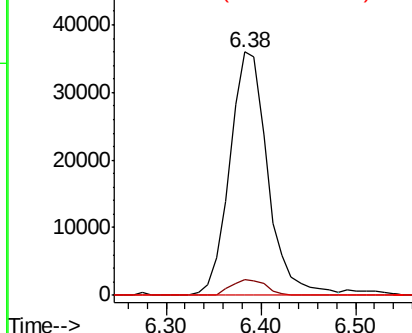
#36
 1,1-Dichloropropene
 Concen: 4.91 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. -0.11 min
 Lab File: VD060008.D
 Acq: 14 Sep 2018 14:18

Instrument :
 MSVOA_D
 ClientSampleId :
 NF-CON-1RE

Tot Ion	75	Resp	99930
Ion Ratio	Lower	Upper	
75	100		
110	6.7	18.9	56.9#
77	0.0	25.3	37.9#

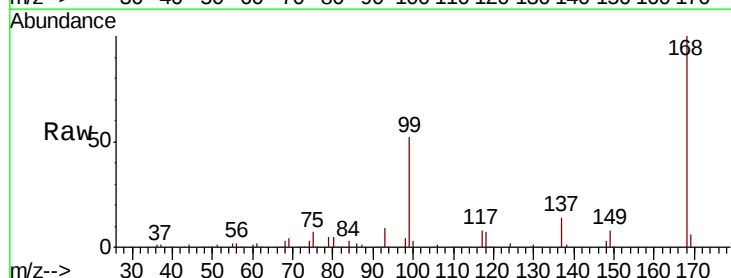


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

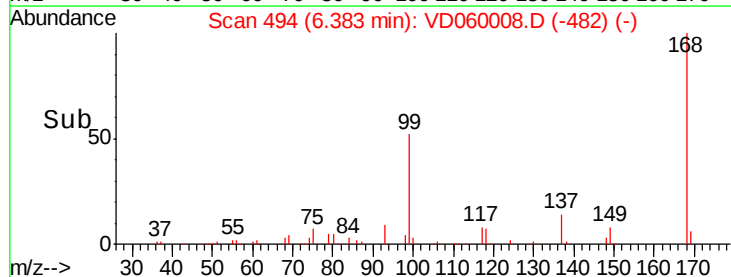
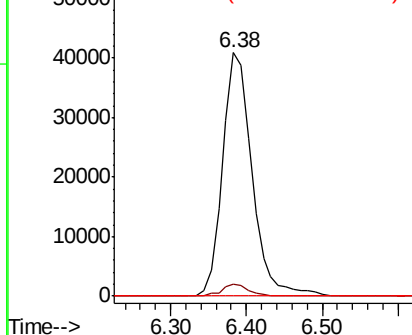


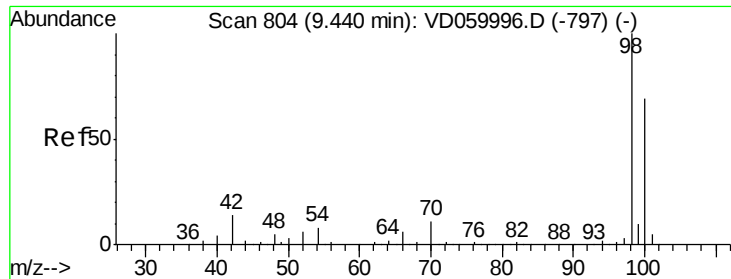
#38
 Carbon Tetrachloride
 Concen: 5.80 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. -0.08 min
 Lab File: VD060008.D
 Acq: 14 Sep 2018 14:18

Tgt Ion	117	Resp	110183
Ion Ratio	Lower	Upper	
117	100		
119	4.7	76.7	115.1#
121	0.0	24.9	37.3#



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

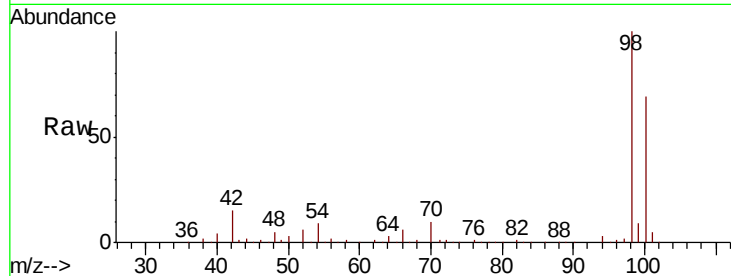




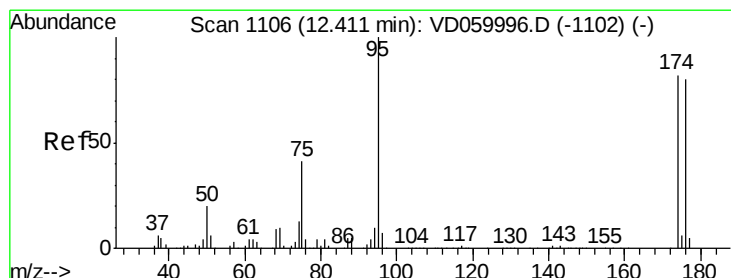
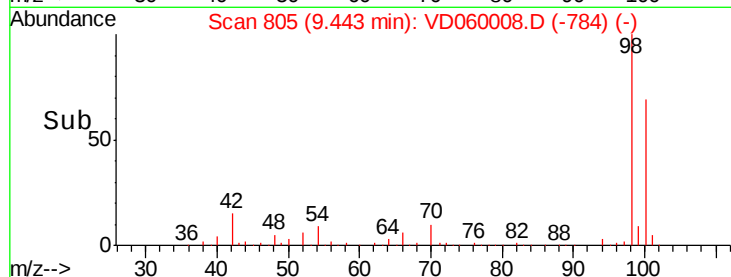
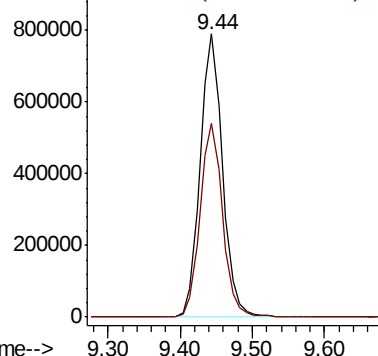
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 805
Delta R.T. 0.00 min
Lab File: VD060008.D
Acq: 14 Sep 2018 14:18

Instrument :
MSVOA_D
ClientSampleId :
NF-CON-1RE

Tot Ion: 98 Resp: 1702078
Ion Ratio Lower Upper
98 100
100 68.6 55.8 83.6

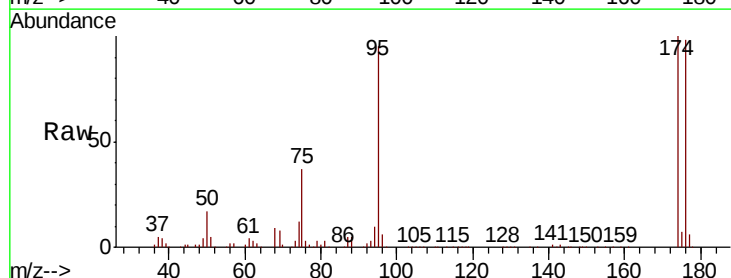


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

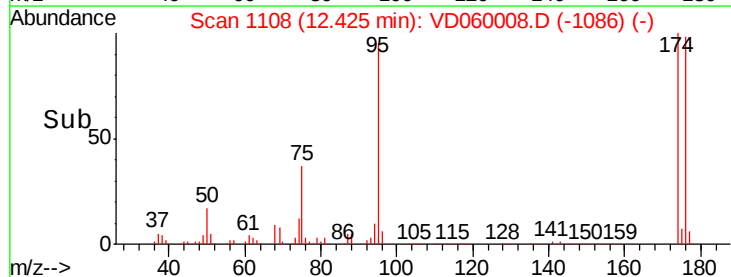
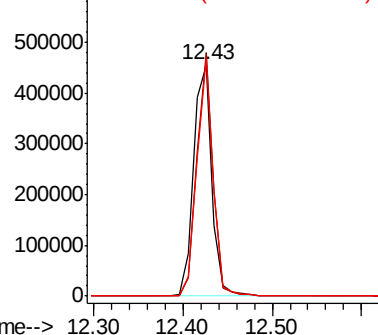


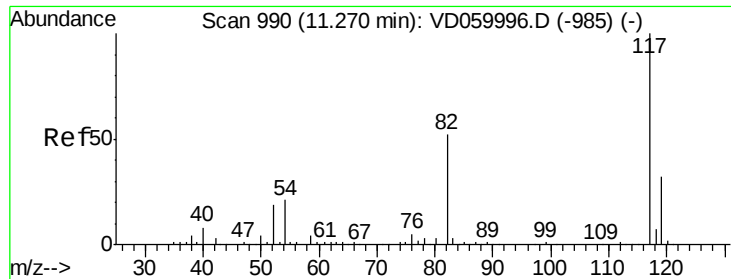
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VD060008.D
Acq: 14 Sep 2018 14:18

Tgt Ion: 95 Resp: 656524
Ion Ratio Lower Upper
95 100
174 105.4 0.0 165.0
176 103.4 0.0 160.2



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

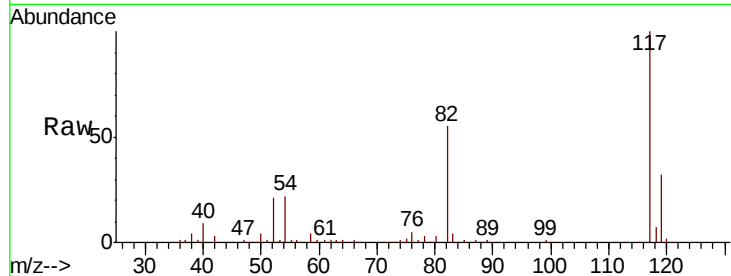




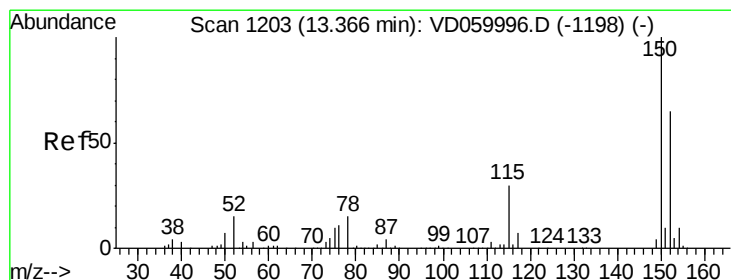
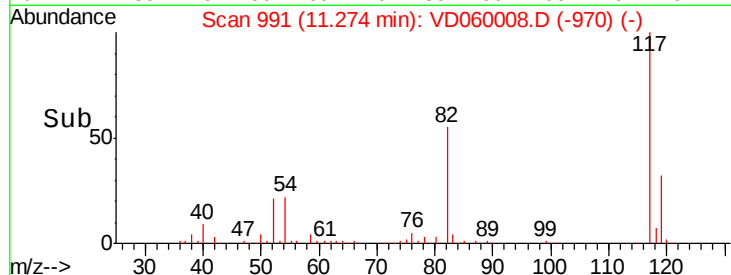
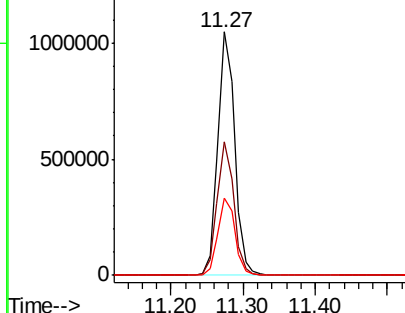
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD060008.D
Acq: 14 Sep 2018 14:18

Instrument :
MSVOA_D
ClientSampleId :
NF-CON-1RE

Tot Ion:117 Resp: 1673505
Ion Ratio Lower Upper
117 100
82 55.0 41.7 62.5
119 31.9 26.0 39.0

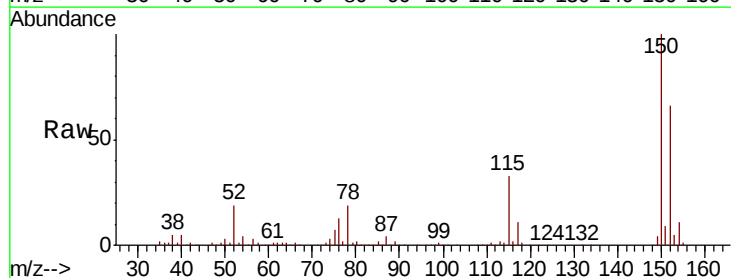


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

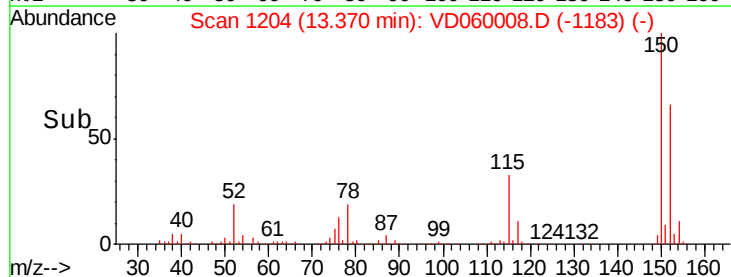
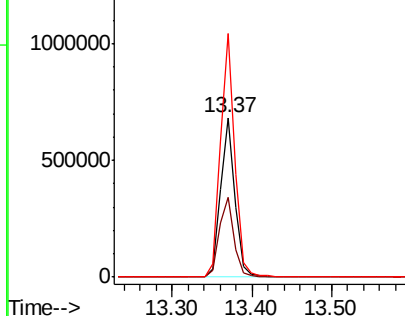


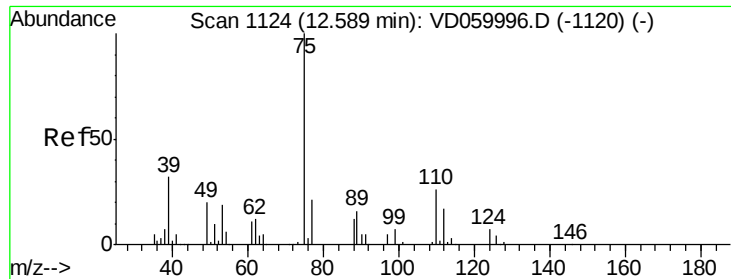
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.00 min
Lab File: VD060008.D
Acq: 14 Sep 2018 14:18

Tgt Ion:152 Resp: 865777
Ion Ratio Lower Upper
152 100
115 50.2 24.6 73.8
150 152.4 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: 18.26 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060008.D

Acq: 14 Sep 2018 14:18

Instrument :

MSVOA_D

ClientSampleId :

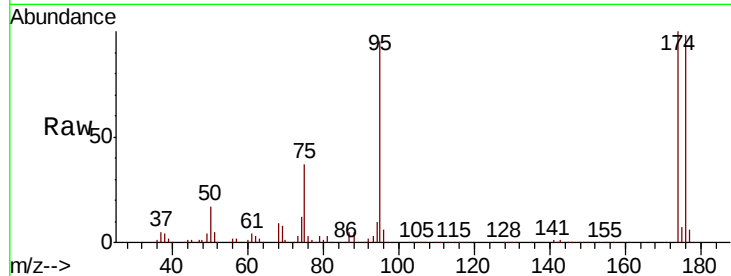
NF-CON-1RE

Tot Ion: 75 Resp: 241419

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

200000

150000

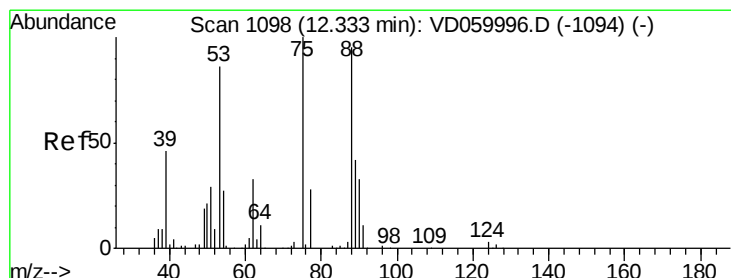
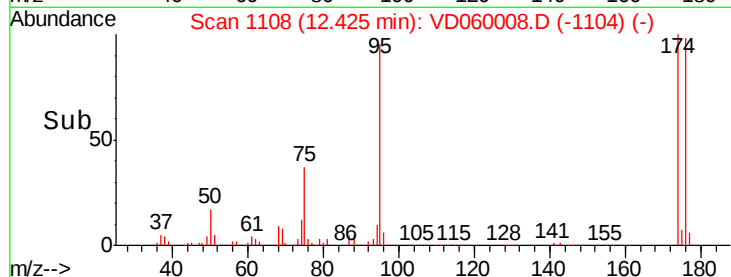
100000

50000

0

12.40 12.43 12.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 67.05 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.09 min

Lab File: VD060008.D

Acq: 14 Sep 2018 14:18

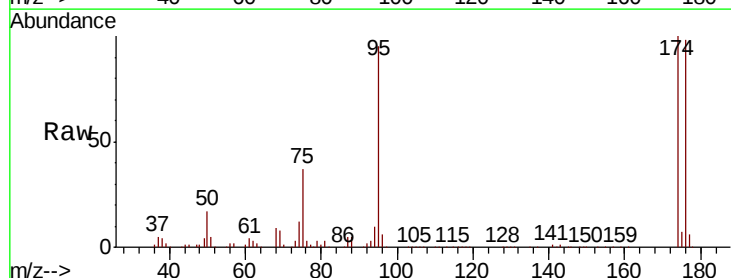
Tgt Ion: 75 Resp: 267635

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

200000

150000

100000

50000

0

12.40 12.43 12.50

Time-->

