

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041419\
 Data File : VN055028.D
 Acq On : 13 Apr 2019 14:35
 Operator : JC/SP
 Sample : K2371-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Apr 14 03:24:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	528364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	828805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	693496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	229170	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	331139	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
35) Dibromofluoromethane	7.59	113	260018	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
50) Toluene-d8	10.09	98	976496	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.40	95	298229	45.62	ug/l	0.00
Spiked Amount			Recovery	=	91.24%	

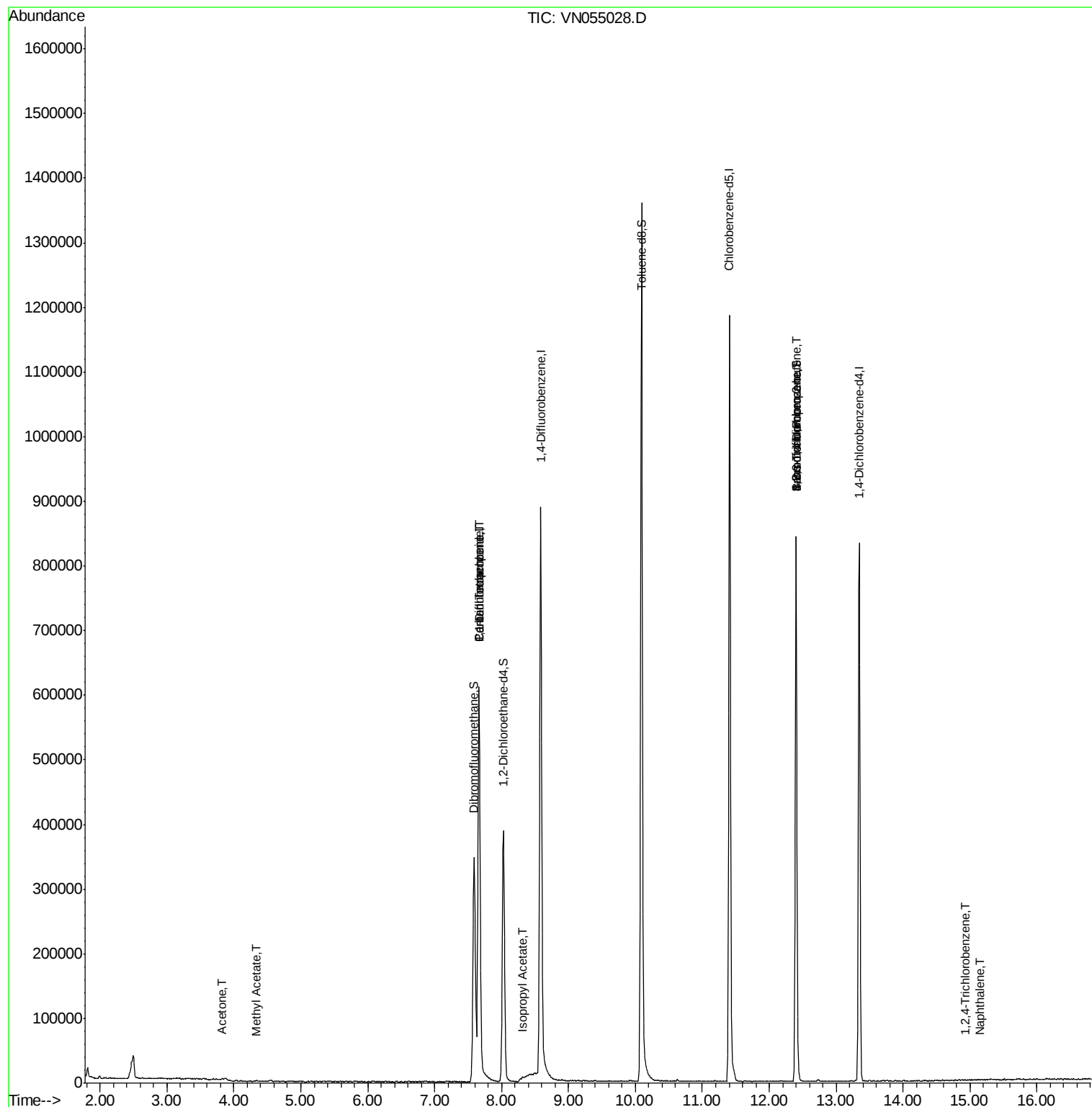
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	440	0.242	ug/l #	49
18) Methyl Acetate	4.34	43	2149	0.381	ug/l #	90
20) Methylene Chloride	4.55	84	1137	Below Cal	#	47
31) Cyclohexane	7.66	56	10829	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	40754	5.320	ug/l #	50
38) Carbon Tetrachloride	7.66	117	49515	6.867	ug/l #	17
43) Isopropyl Acetate	8.32	43	7443	0.757	ug/l #	64
71) Bromoform	12.40	173	2828	3.379	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	150839	35.776	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	150839	147.667	ug/l #	2
93) 1,2,4-Trichlorobenzene	14.92	180	198	3.580	ug/l #	39
95) Naphthalene	15.15	128	200	4.696	ug/l #	69

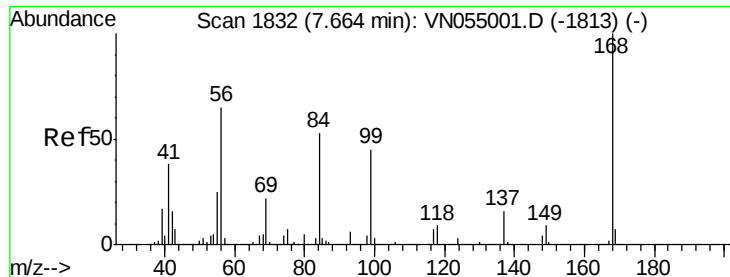
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 14 03:24:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 13 03:34:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055028.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

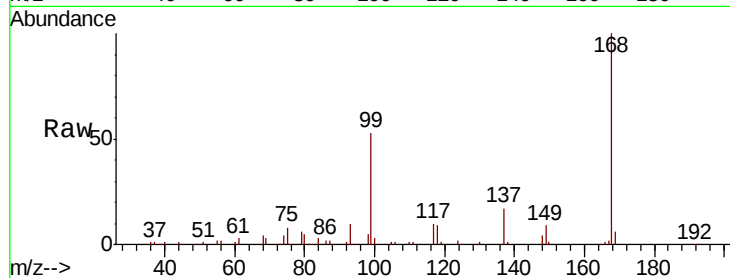
TRIP-BLANK

Tot Ion:168 Resp: 528364

Ion Ratio Lower Upper

168 100

99 53.2 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): VN055001.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055001.D (-1813) (-)

7.66

250000

200000

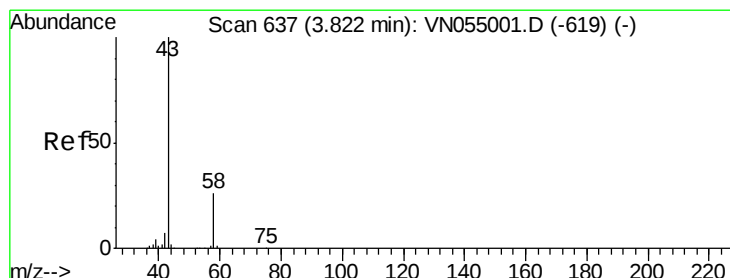
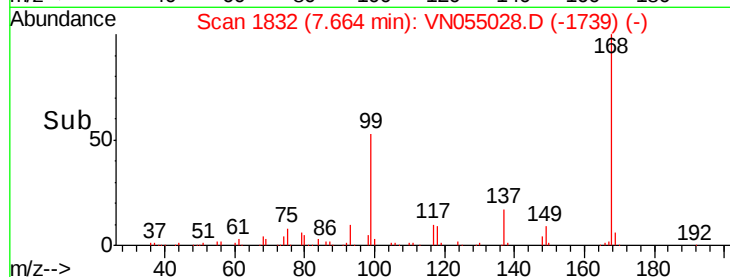
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 0.242 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055028.D

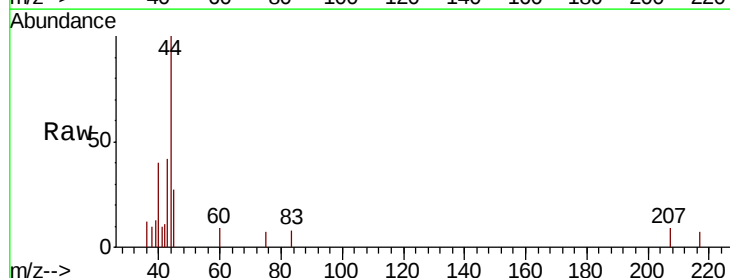
Acq: 13 Apr 2019 14:35

Tgt Ion: 43 Resp: 440

Ion Ratio Lower Upper

43 100

58 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-619) (-)

Ion 58.00 (57.70 to 58.70): VN055001.D (-619) (-)

3.82

1000

800

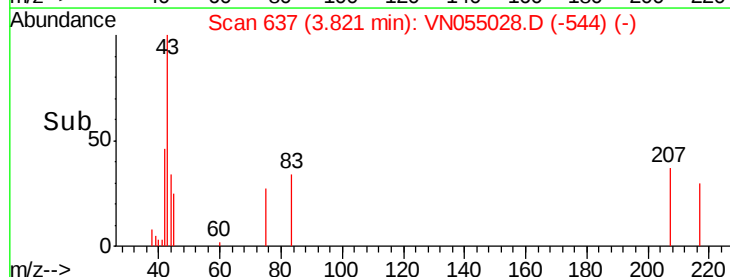
600

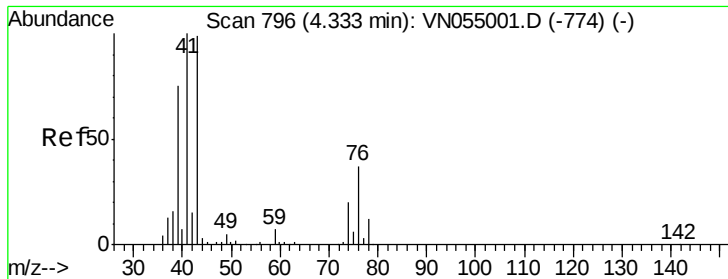
400

200

0

Time-->





#18

Methyl Acetate

Concen: 0.381 ug/l

RT: 4.34 min Scan# 799

Delta R.T. 0.01 min

Lab File: VN055028.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

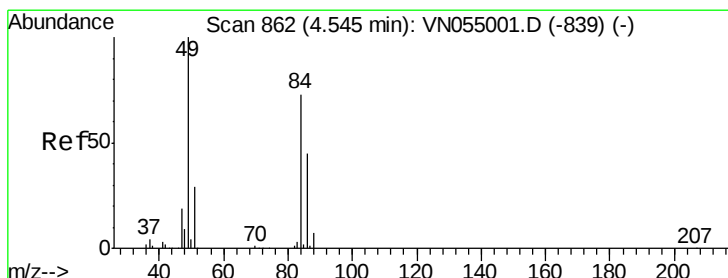
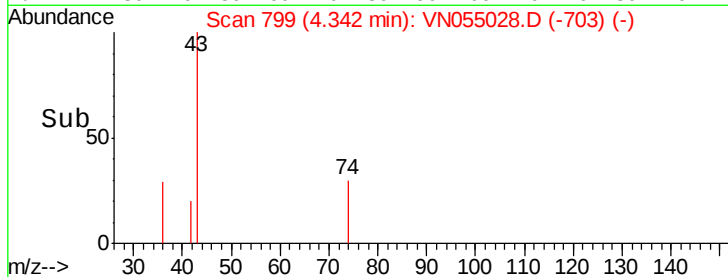
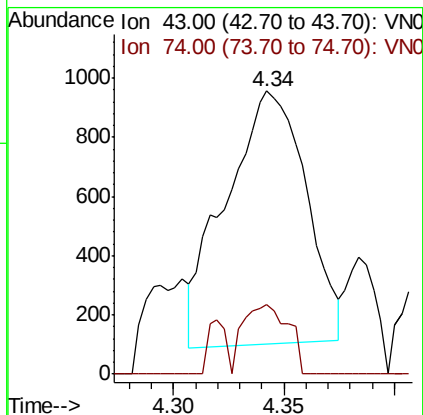
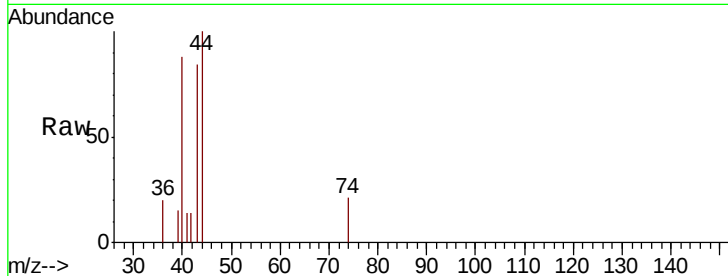
TRIP-BLANK

Tot Ion: 43 Resp: 2149

Ion Ratio Lower Upper

43 100

74 15.5 16.1 24.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.55 min Scan# 864

Delta R.T. 0.01 min

Lab File: VN055028.D

Acq: 13 Apr 2019 14:35

Tgt Ion: 84 Resp: 1137

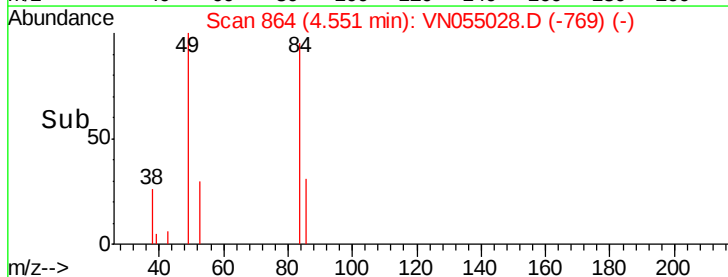
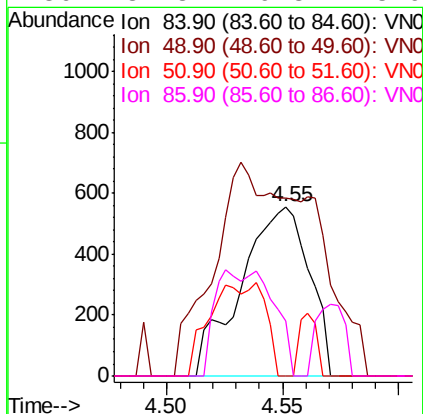
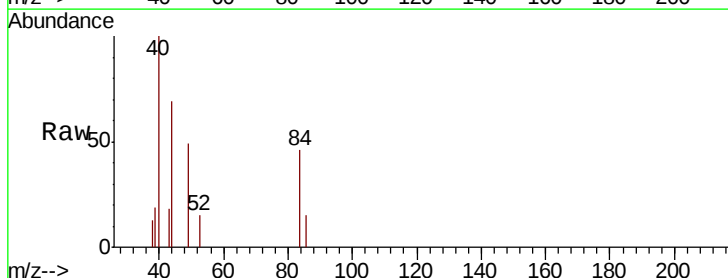
Ion Ratio Lower Upper

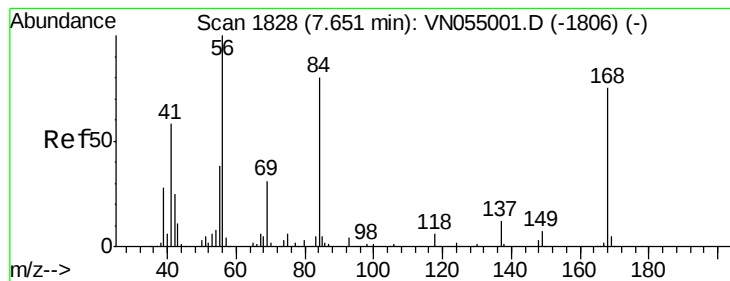
84 100

49 68.5 109.4 164.2#

51 0.0 32.2 48.4#

86 32.3 49.3 73.9#





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN055028.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

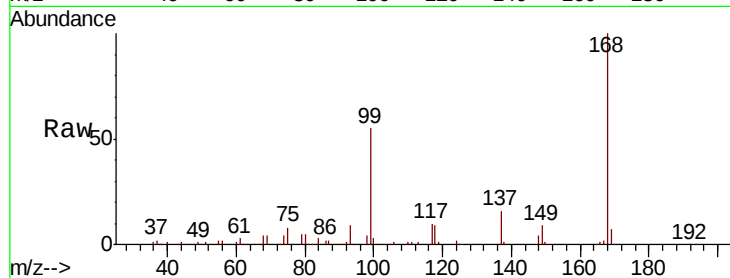
Tot Ion: 56 Resp: 10829

Ion Ratio Lower Upper

56 100

69 171.6 24.5 36.7#

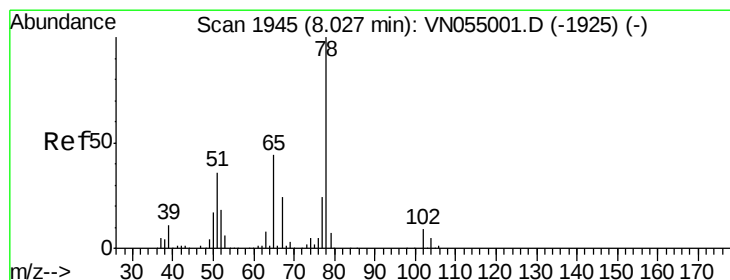
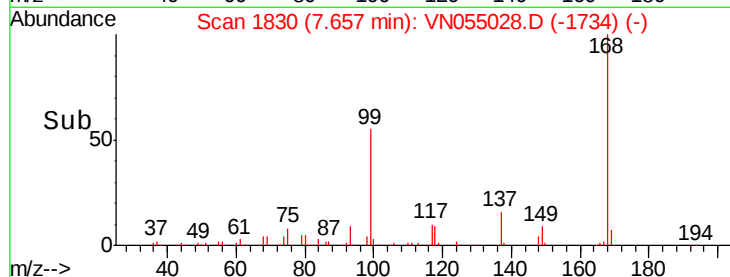
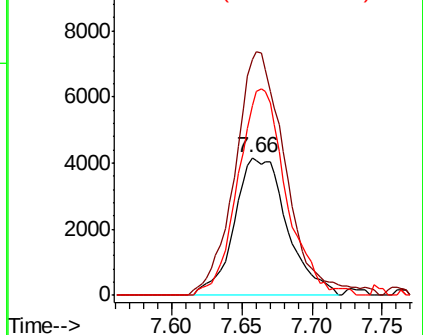
84 138.3 62.9 94.3#



Abundance Ion 56.00 (55.70 to 56.70): VN055001.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN055001.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN055001.D (-1806) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.941 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055028.D

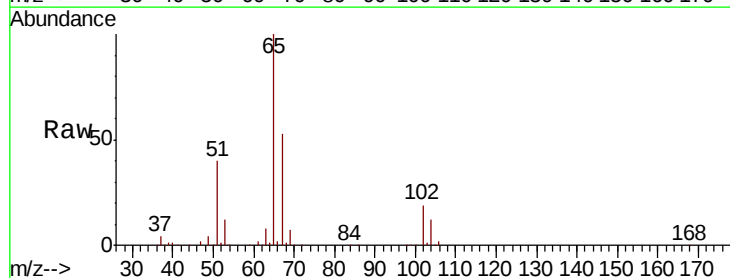
Acq: 13 Apr 2019 14:35

Tgt Ion: 65 Resp: 331139

Ion Ratio Lower Upper

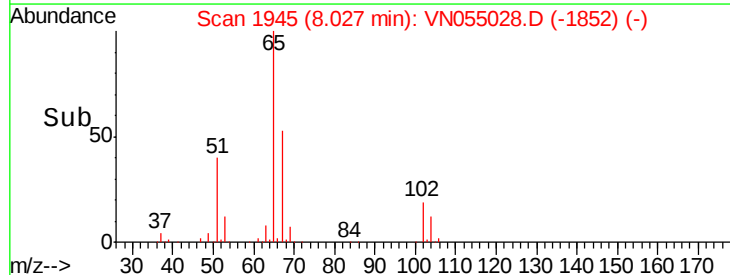
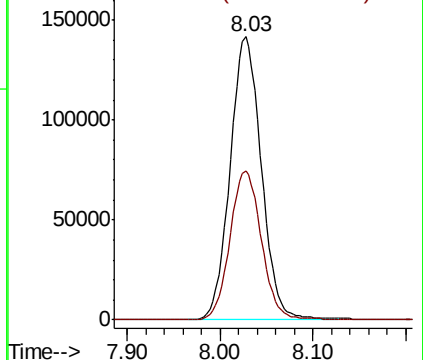
65 100

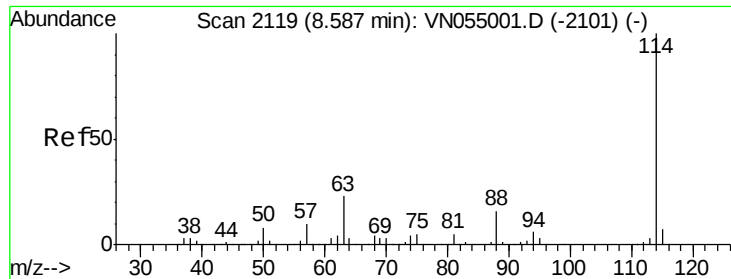
67 53.0 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VN055001.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN055001.D (-1925) (-)

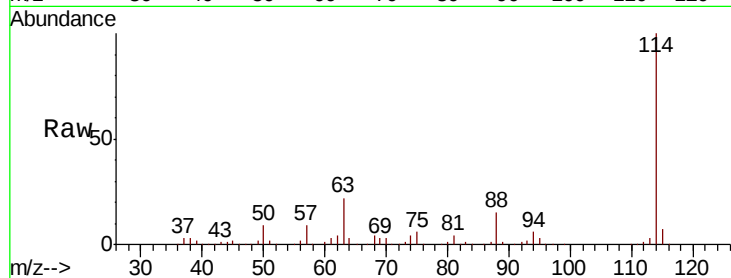




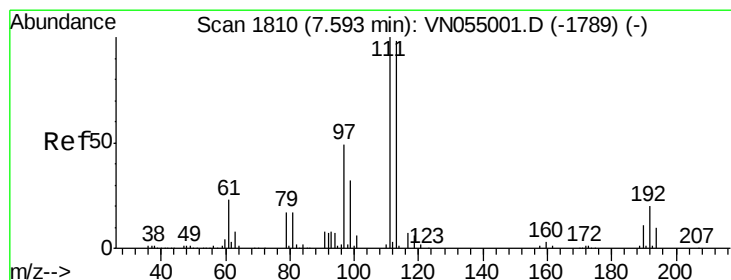
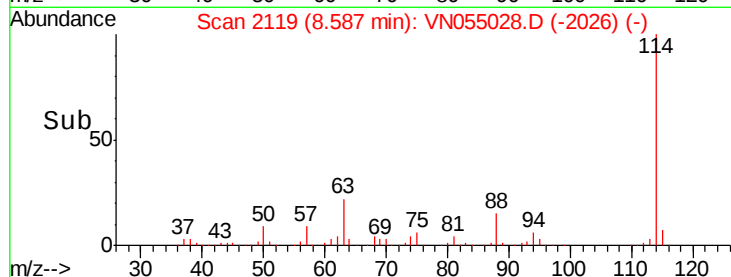
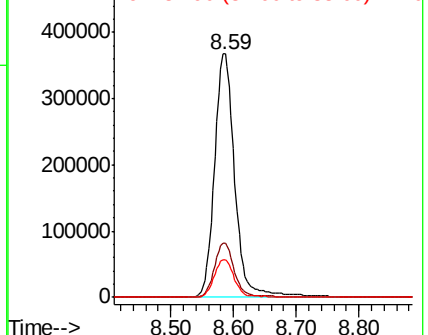
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN055028.D
Acq: 13 Apr 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:114 Resp: 828805
Ion Ratio Lower Upper
114 100
63 22.1 0.0 45.2
88 15.5 0.0 31.8

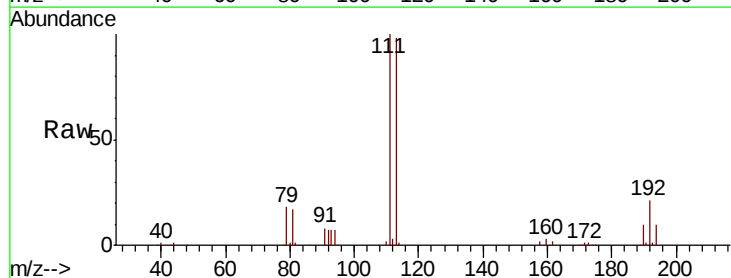


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

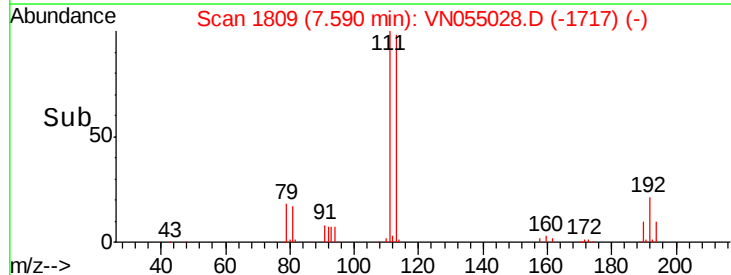
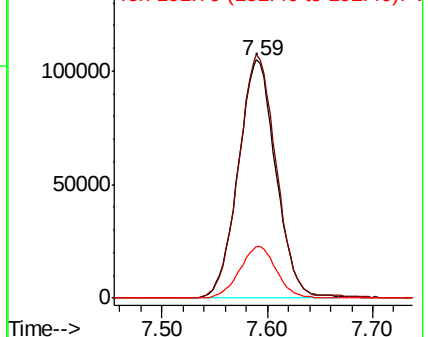


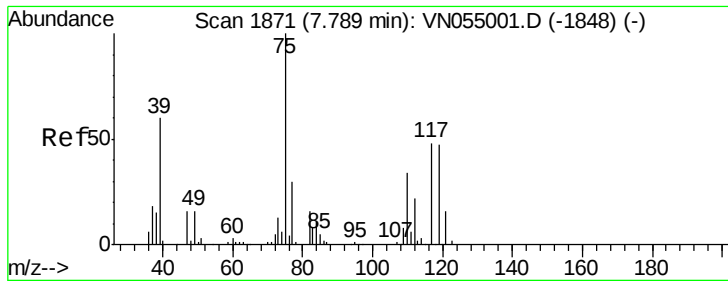
#35
Dibromofluoromethane
Concen: 49.214 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN055028.D
Acq: 13 Apr 2019 14:35

Tgt Ion:113 Resp: 260018
Ion Ratio Lower Upper
113 100
111 101.7 82.1 123.1
192 21.3 16.5 24.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

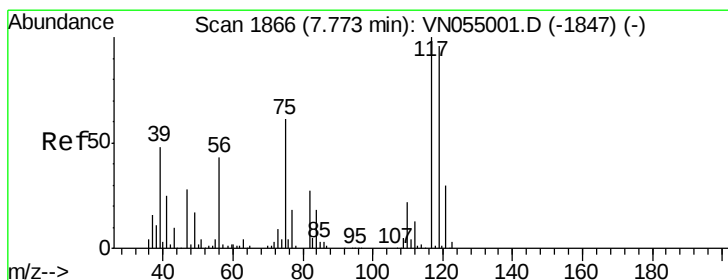
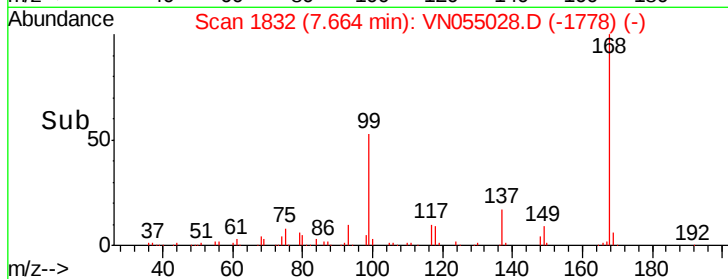
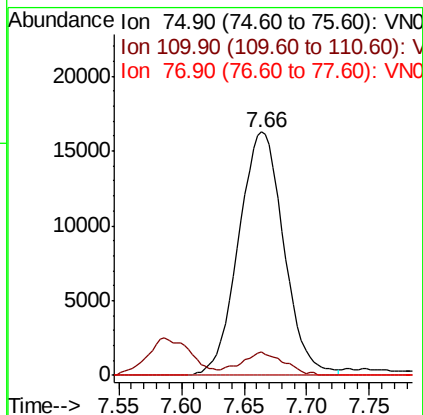
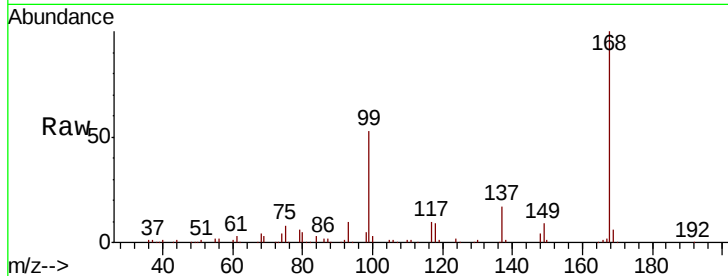




#36
 1,1-Dichloropropene
 Concen: 5.320 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055028.D
 Acq: 13 Apr 2019 14:35

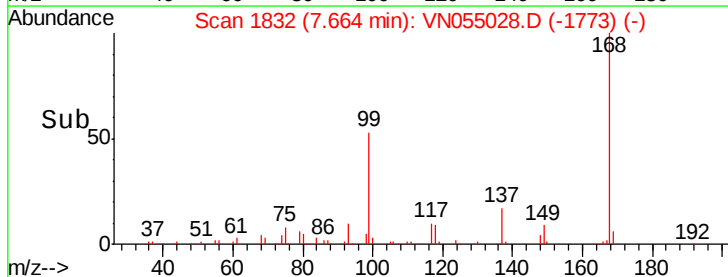
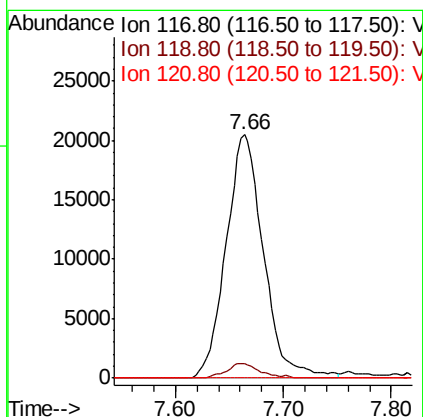
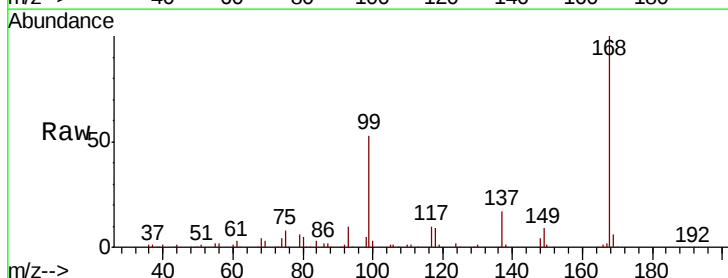
Instrument :
 MSVOA_N
 ClientSampleId :
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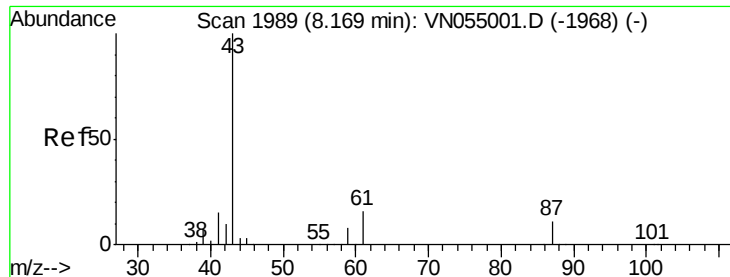
Tot Ion: 75 Resp: 40754
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.5 52.5#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.867 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055028.D
 Acq: 13 Apr 2019 14:35

Tgt Ion: 117 Resp: 49515
 Ion Ratio Lower Upper
 117 100
 119 5.9 76.3 114.5#
 121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 0.757 ug/l

RT: 8.32 min Scan# 2035

Delta R.T. 0.15 min

Lab File: VN055028.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

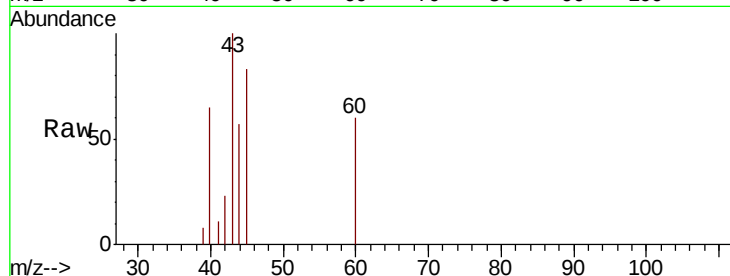
Tot Ion: 43 Resp: 7443

Ion Ratio Lower Upper

43 100

61 0.0 14.3 21.5#

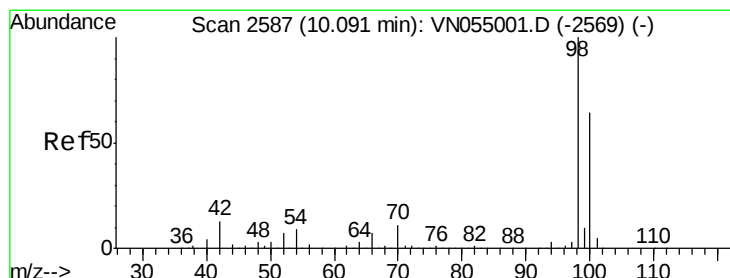
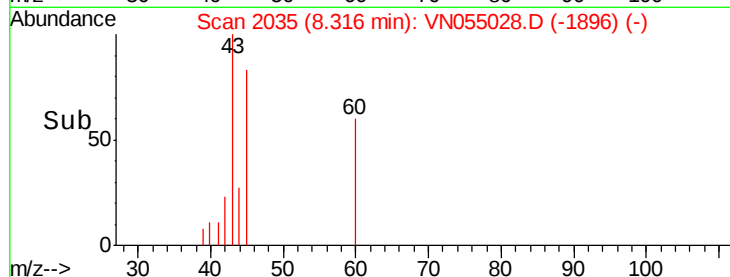
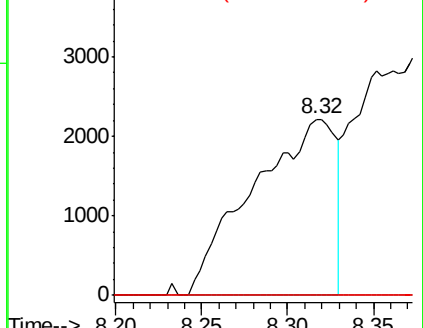
87 0.0 8.6 13.0#



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055001.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055001.D (-1968) (-)



#50

Toluene-d8

Concen: 50.321 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055028.D

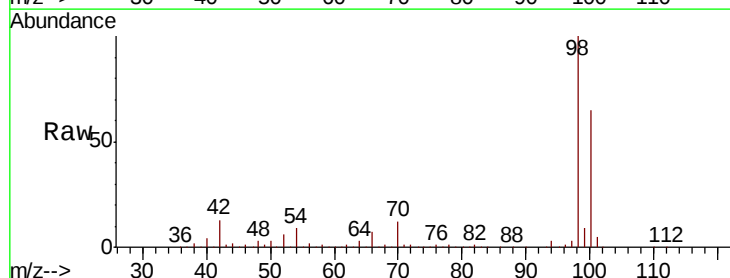
Acq: 13 Apr 2019 14:35

Tgt Ion: 98 Resp: 976496

Ion Ratio Lower Upper

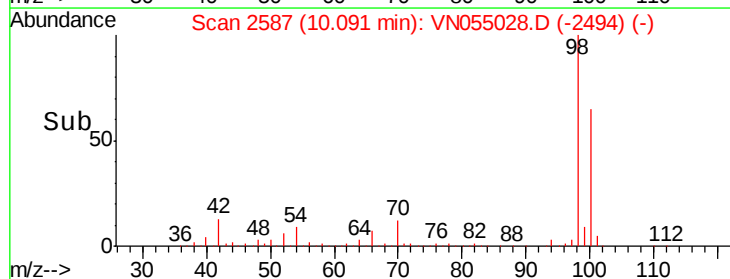
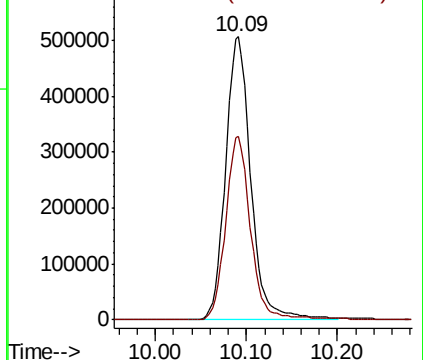
98 100

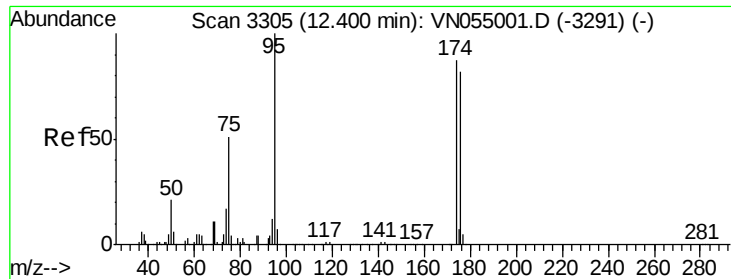
100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055001.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN055001.D (-2569) (-)





#62

4-Bromofluorobenzene

Concen: 45.625 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055028.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

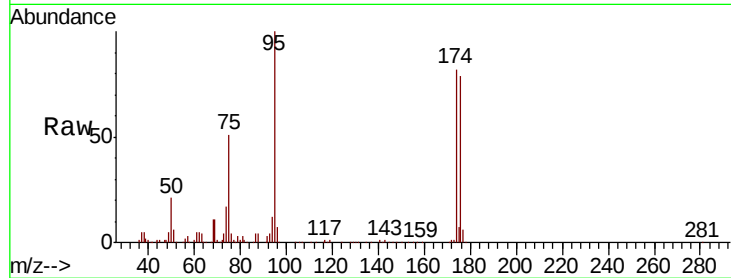
Tot Ion: 95 Resp: 298229

Ion Ratio Lower Upper

95 100

174 83.4 0.0 174.4

176 81.0 0.0 166.8



Abundance Ion 94.90 (94.60 to 95.60): VN055001.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055001.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055001.D (-3291) (-)

12.40

150000

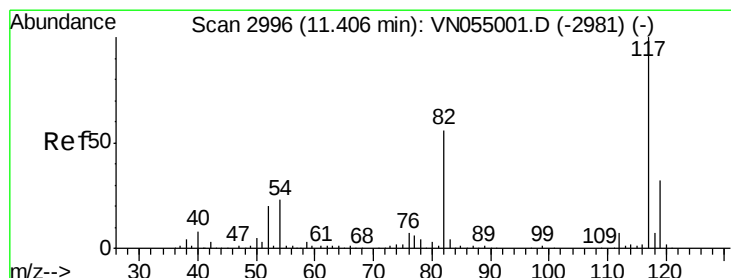
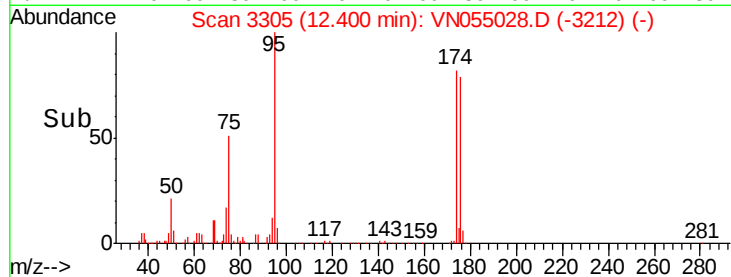
100000

50000

0

12.30 12.40 12.50

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN055028.D

Acq: 13 Apr 2019 14:35

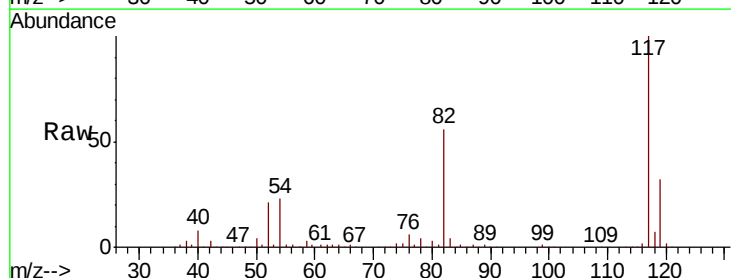
Tgt Ion: 117 Resp: 693496

Ion Ratio Lower Upper

117 100

82 55.8 44.6 66.8

119 32.3 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN055001.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055001.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055001.D (-2981) (-)

11.41

500000

400000

300000

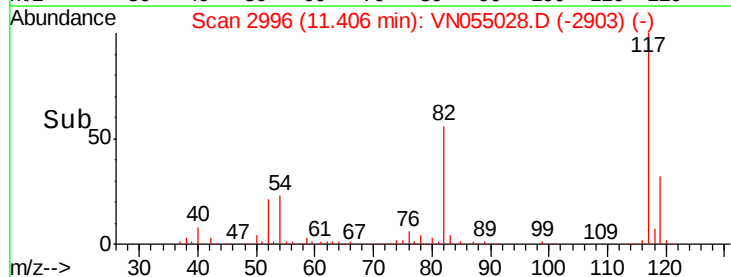
200000

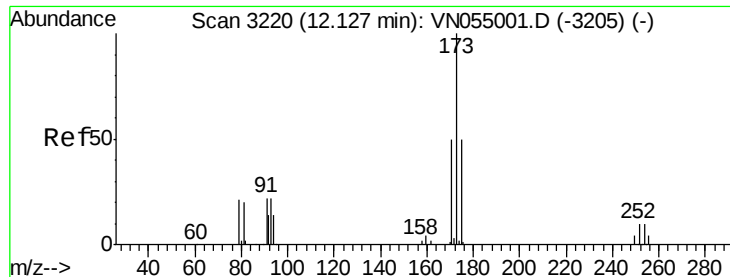
100000

0

11.30 11.40 11.50 11.60

Time-->





#71

Bromoform

Concen: 3.379 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055028.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

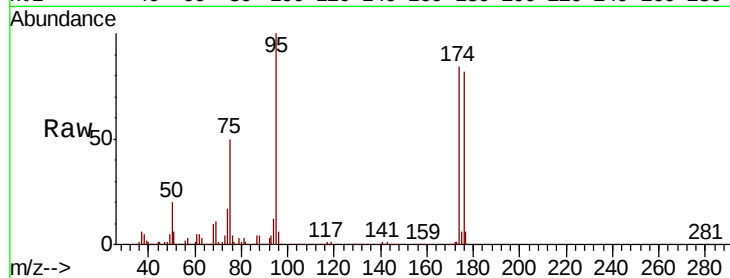
Tot Ion:173 Resp: 2828

Ion Ratio Lower Upper

173 100

175 582.2 24.3 73.0#

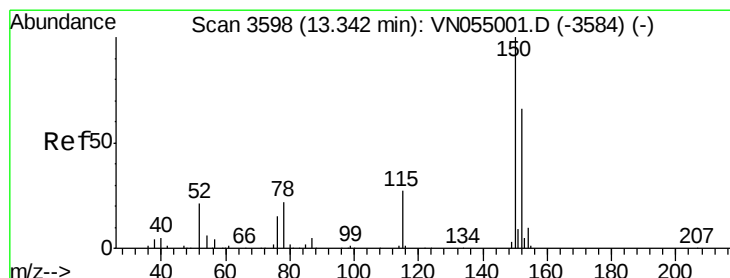
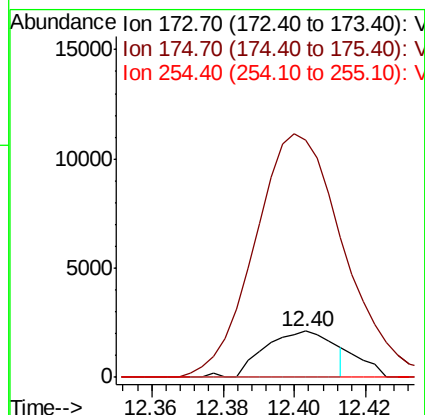
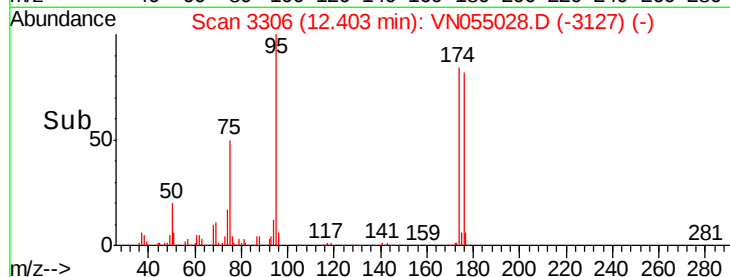
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055028.D

Acq: 13 Apr 2019 14:35

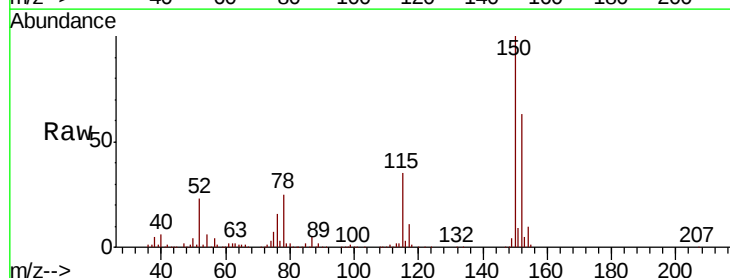
Tgt Ion:152 Resp: 229170

Ion Ratio Lower Upper

152 100

115 57.0 28.5 85.6

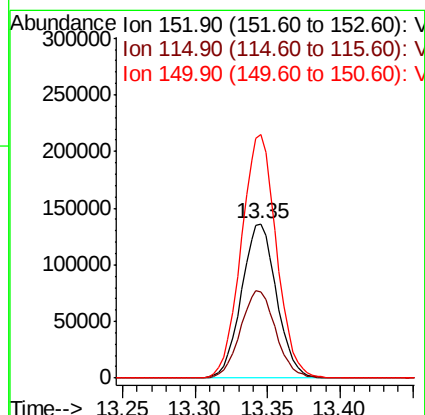
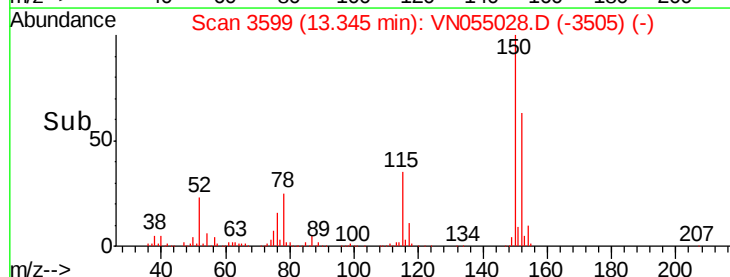
150 158.0 0.0 347.2

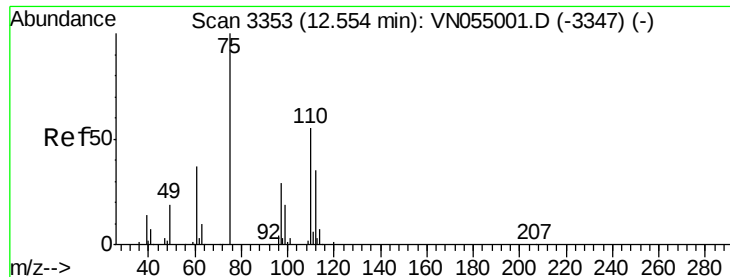


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 35.776 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055028.D

Acq: 13 Apr 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

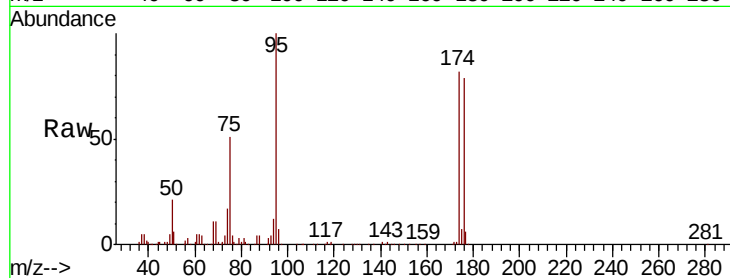
TRIP-BLANK

Tot Ion: 75 Resp: 150839

Ion Ratio Lower Upper

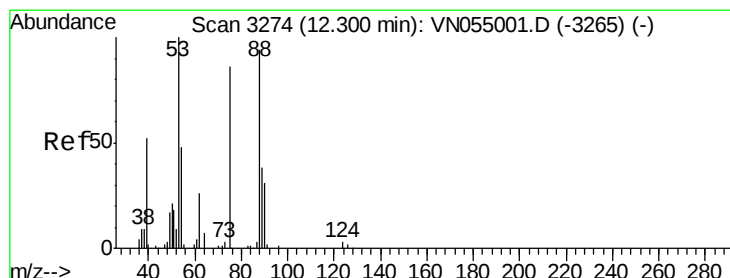
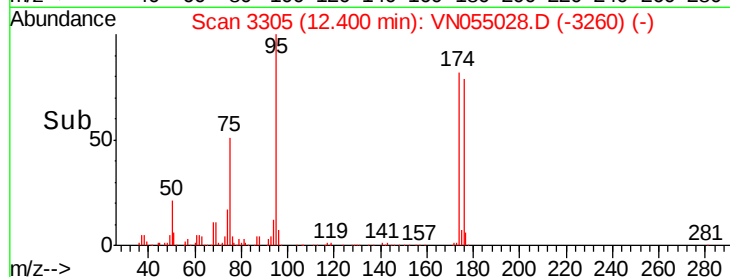
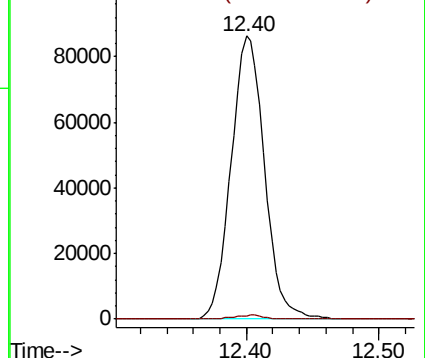
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 147.667 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055028.D

Acq: 13 Apr 2019 14:35

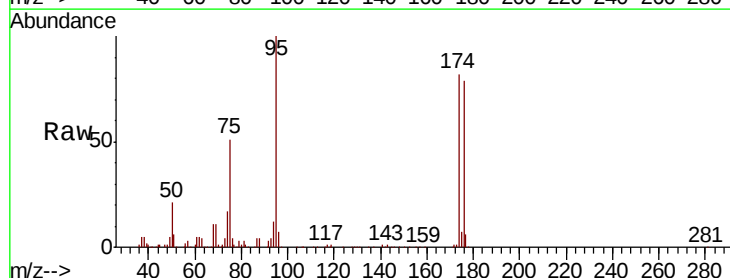
Tgt Ion: 75 Resp: 150839

Ion Ratio Lower Upper

75 100

53 0.0 96.3 144.5#

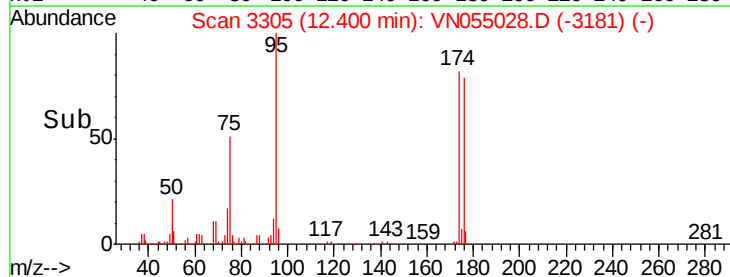
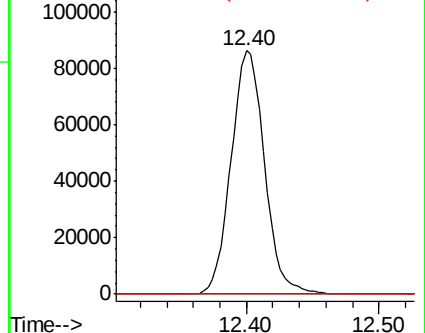
89 0.0 38.6 57.8#

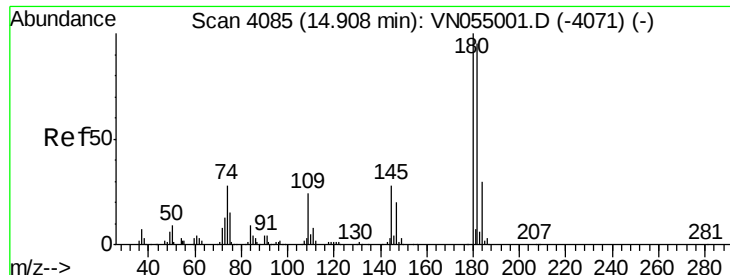


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

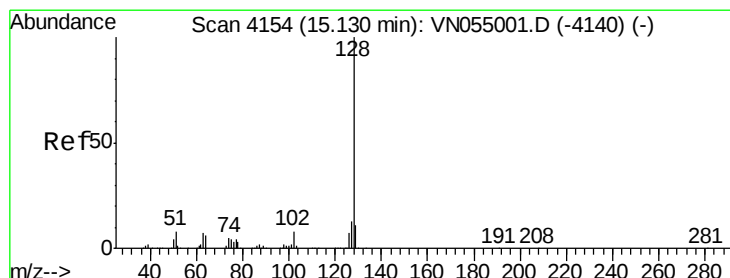
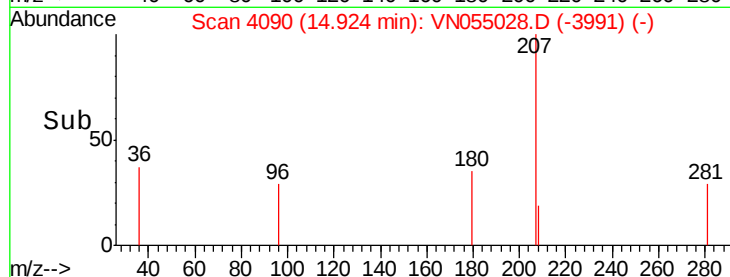
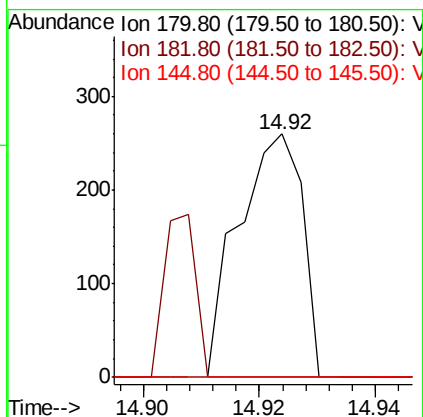
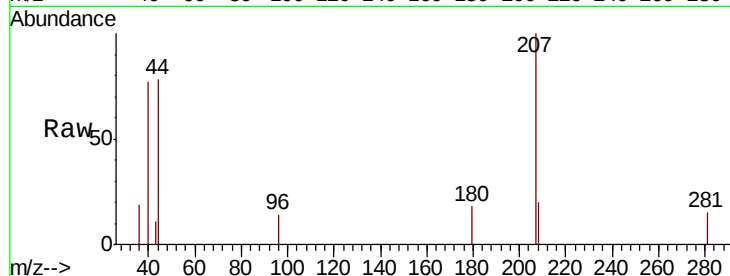




#93
 1,2,4-Trichlorobenzene
 Concen: 3.580 ug/l
 RT: 14.92 min Scan# 4090
 Delta R.T. 0.02 min
 Lab File: VN055028.D
 Acq: 13 Apr 2019 14:35

Instrument :
 MSVOA_N
 ClientSampled :
 TRIP-BLANK

Tot Ion:180 Resp: 198
 Ion Ratio Lower Upper
 180 100
 182 33.3 47.5 142.6#
 145 0.0 14.2 42.8#



#95
 Naphthalene
 Concen: 4.696 ug/l
 RT: 15.15 min Scan# 4161
 Delta R.T. 0.02 min
 Lab File: VN055028.D
 Acq: 13 Apr 2019 14:35

Tgt Ion:128 Resp: 200
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.1 15.1#
 129 0.0 8.8 13.2#

