

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058429.D
 Acq On : 30 Sep 2019 12:59
 Operator : JC/SP
 Sample : K5080-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 01 01:31:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	434972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	709587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	590607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	225072	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	309277	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
35) Dibromofluoromethane	7.57	113	218065	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
50) Toluene-d8	10.09	98	872846	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.41	95	271609	44.09	ug/l	0.00
Spiked Amount			Recovery	=	88.18%	

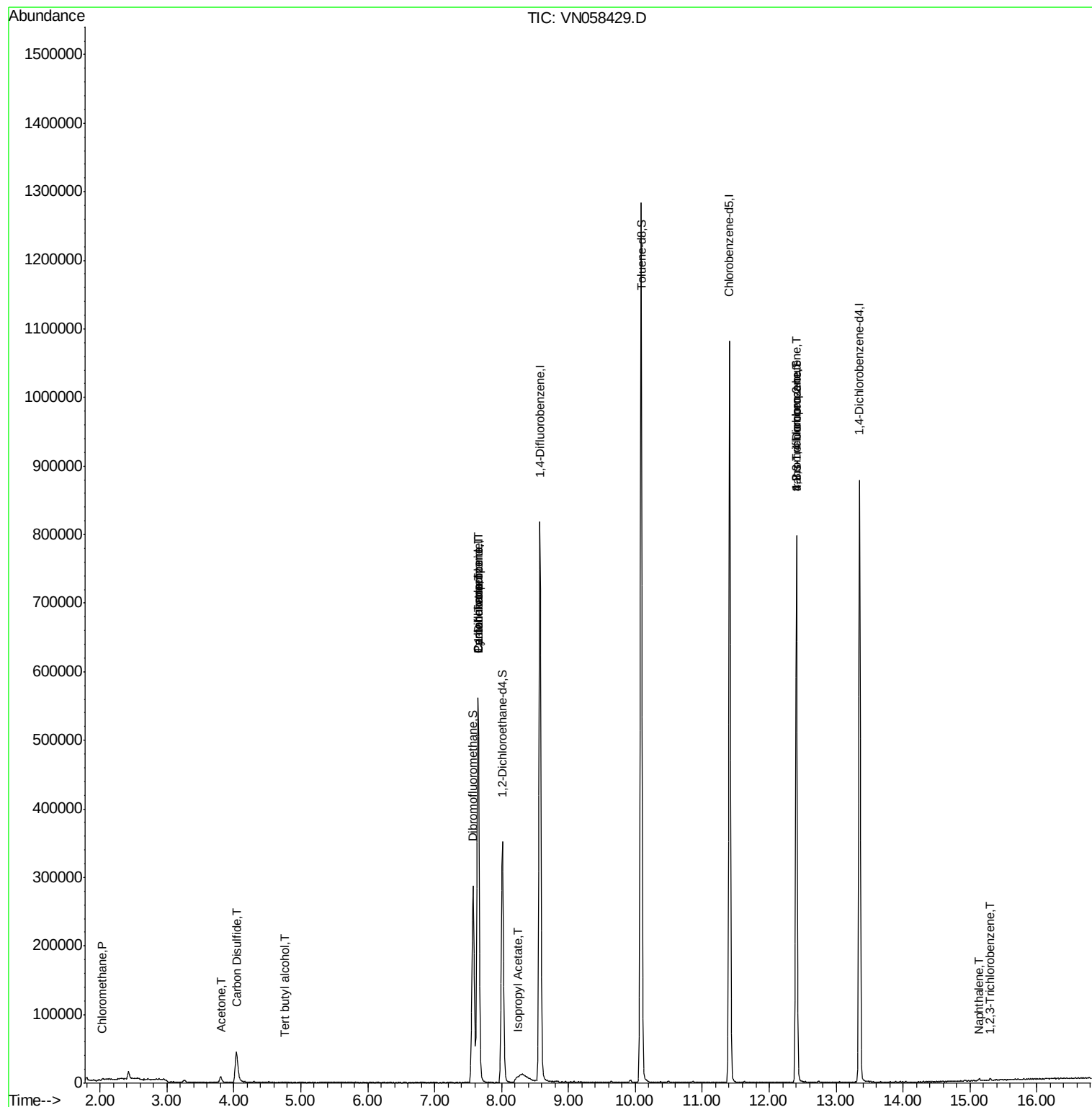
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1779	0.339	ug/l	89
11) Tert butyl alcohol	4.77	59	359	0.508	ug/l #	71
16) Acetone	3.81	43	14203	6.555	ug/l	96
17) Carbon Disulfide	4.03	76	2423	0.224	ug/l #	74
31) Cyclohexane	7.65	56	11177	1.271	ug/l #	10
36) 1,1-Dichloropropene	7.65	75	38304	5.645	ug/l #	49
38) Carbon Tetrachloride	7.65	117	43673	7.131	ug/l #	15
43) Isopropyl Acetate	8.24	43	7543	0.697	ug/l #	63
76) 1,2,3-Trichloropropane	12.41	75	147785	35.949	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	147785	109.182	ug/l #	7
95) Naphthalene	15.14	128	3575	0.296	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.30	180	855	0.202	ug/l #	78

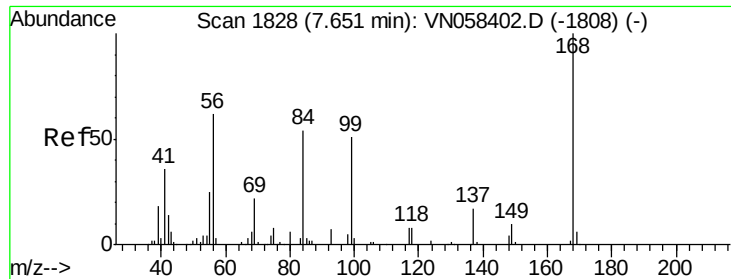
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058429.D

Acq: 30 Sep 2019 12:59

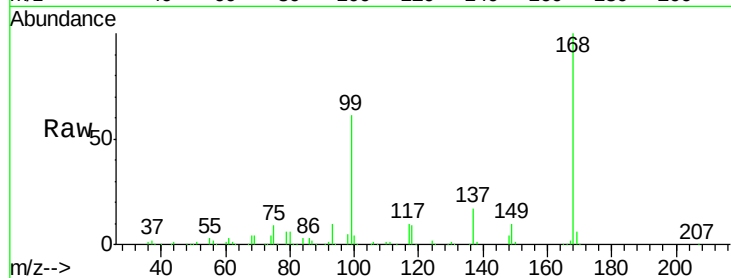
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 434972

Ion Ratio Lower Upper

168 100

99 60.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

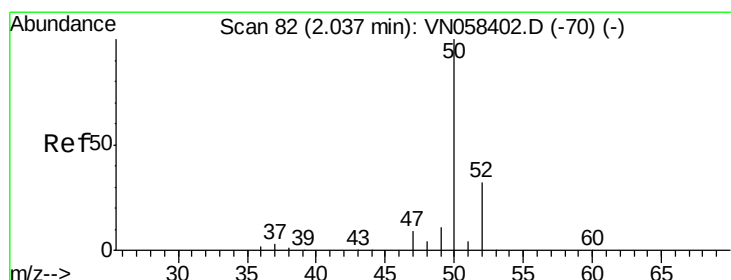
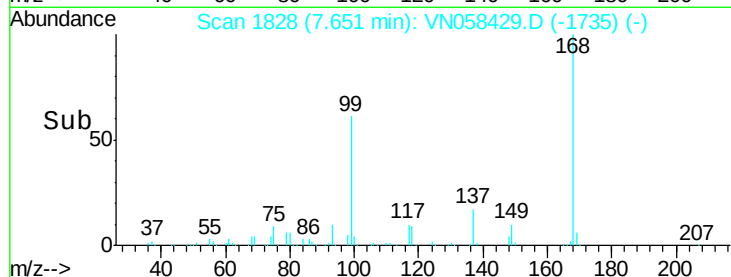
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.339 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058429.D

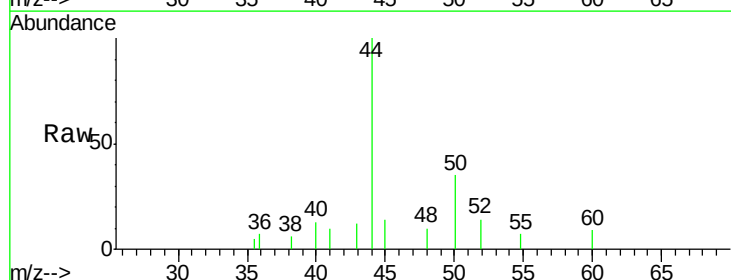
Acq: 30 Sep 2019 12:59

Tgt Ion: 50 Resp: 1779

Ion Ratio Lower Upper

50 100

52 38.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

1200

1000

800

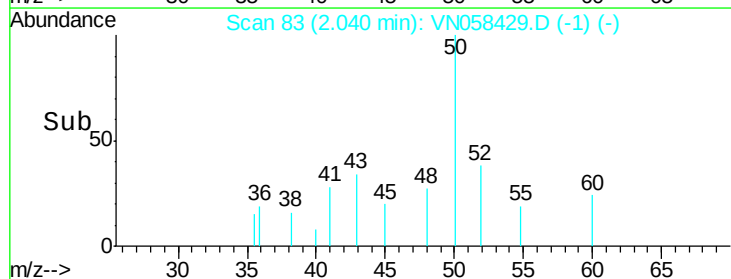
600

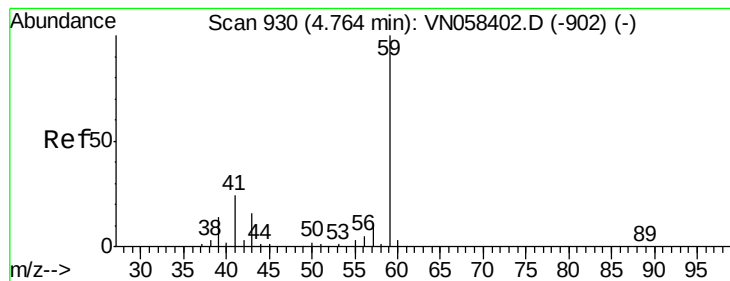
400

200

0

Time-->



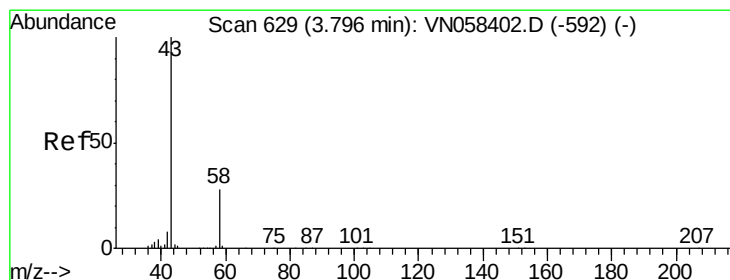
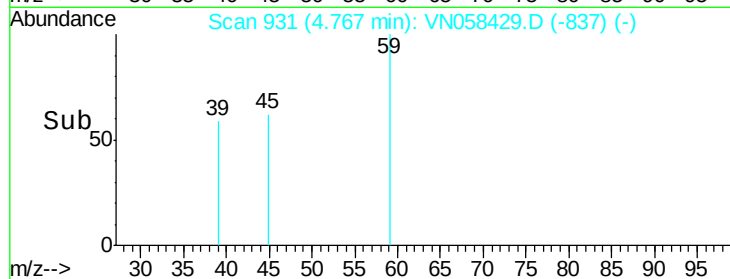
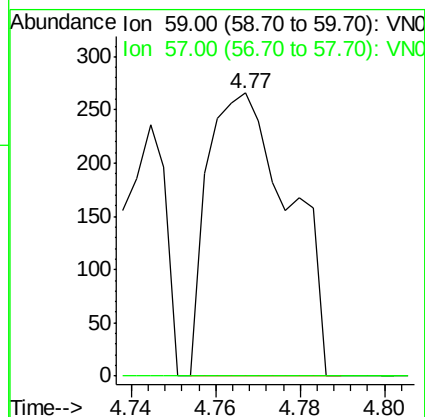
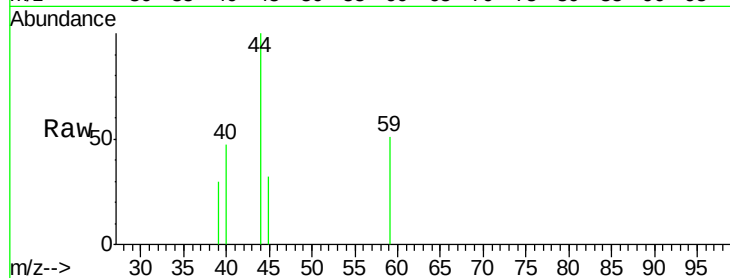


#11

Tert butyl alcohol
 Concen: 0.508 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN058429.D
 Acq: 30 Sep 2019 12:59

Instrument :
 MSVOA_N
 ClientSampleId :

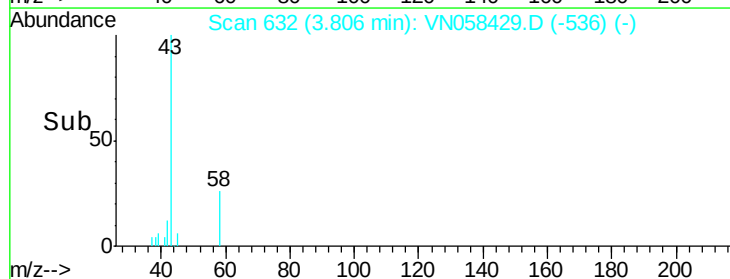
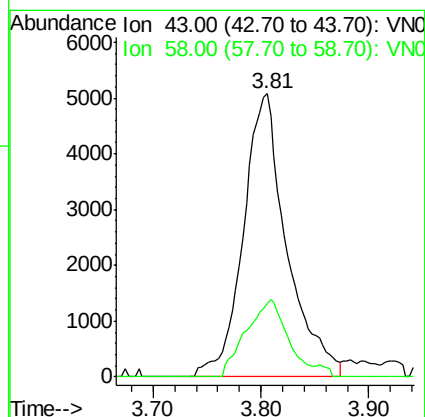
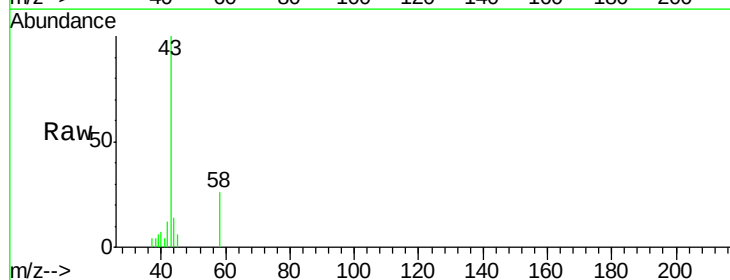
Tot Ion: 59 Resp: 359
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

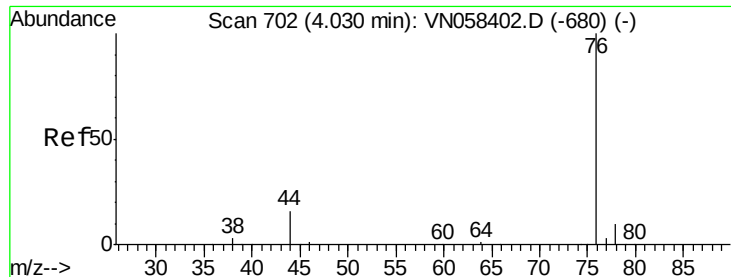


#16

Acetone
 Concen: 6.555 ug/l
 RT: 3.81 min Scan# 632
 Delta R.T. 0.01 min
 Lab File: VN058429.D
 Acq: 30 Sep 2019 12:59

Tgt Ion: 43 Resp: 14203
 Ion Ratio Lower Upper
 43 100
 58 26.0 22.4 33.6





#17

Carbon Disulfide

Concen: 0.224 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058429.D

Acq: 30 Sep 2019 12:59

Instrument :

MSVOA_N

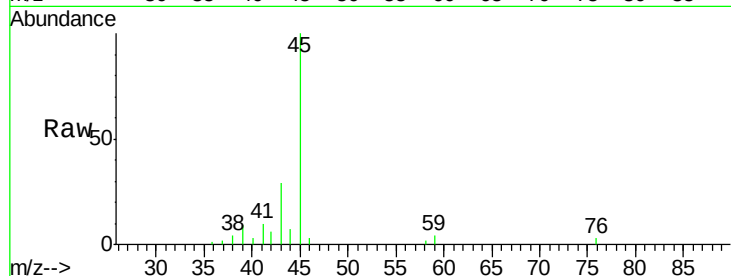
ClientSampleId :

Tot Ion: 76 Resp: 2423

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

800

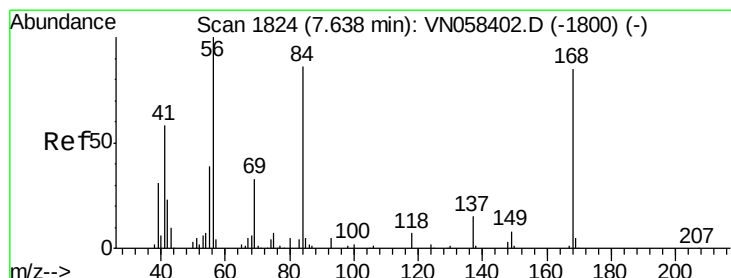
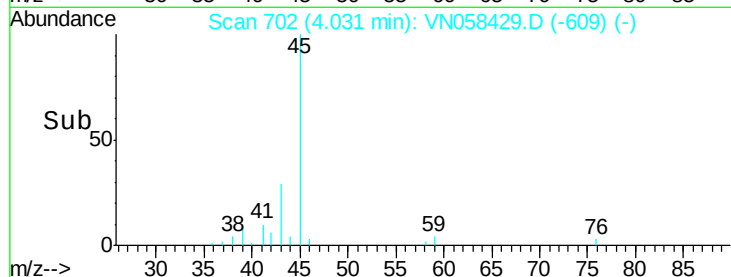
600

400

200

0

Time-->



#31

Cyclohexane

Concen: 1.271 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058429.D

Acq: 30 Sep 2019 12:59

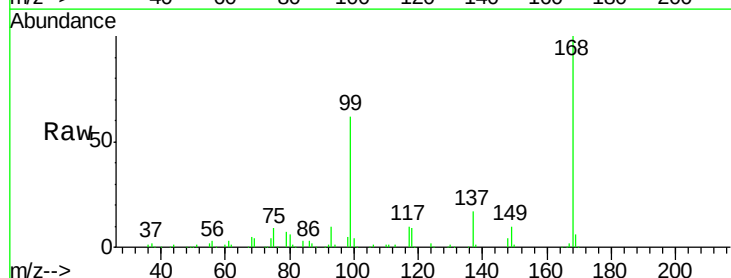
Tgt Ion: 56 Resp: 11177

Ion Ratio Lower Upper

56 100

69 159.6 26.2 39.4#

84 118.8 67.6 101.4#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

10000

8000

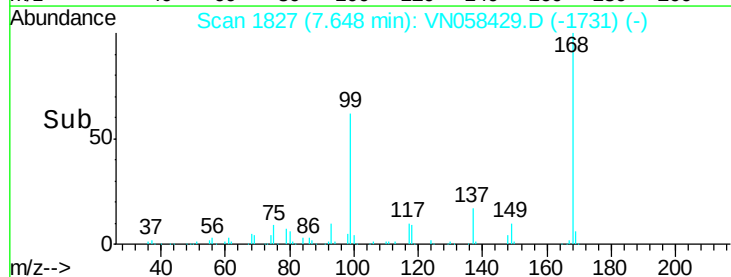
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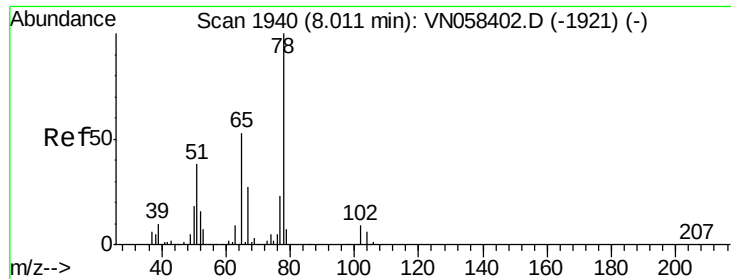
4000

2000

0

Time-->

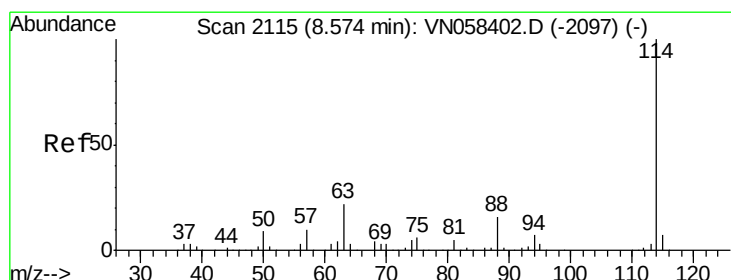
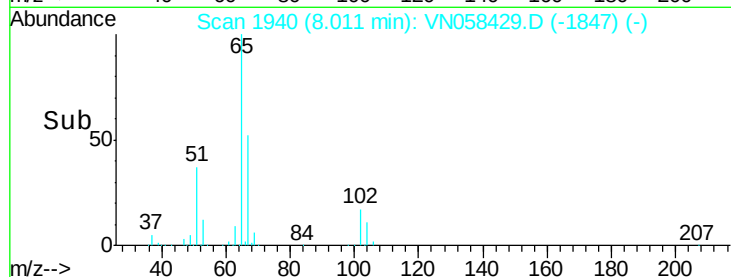
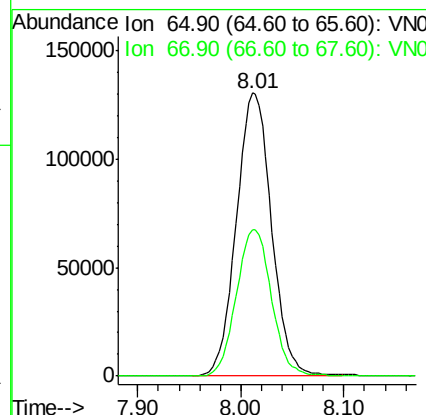
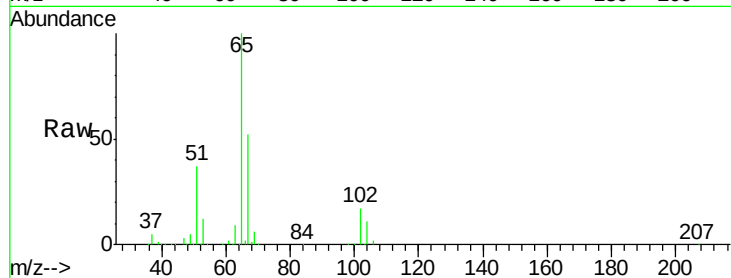




#33
 1,2-Dichloroethane-d4
 Concen: 48.656 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058429.D
 Acq: 30 Sep 2019 12:59

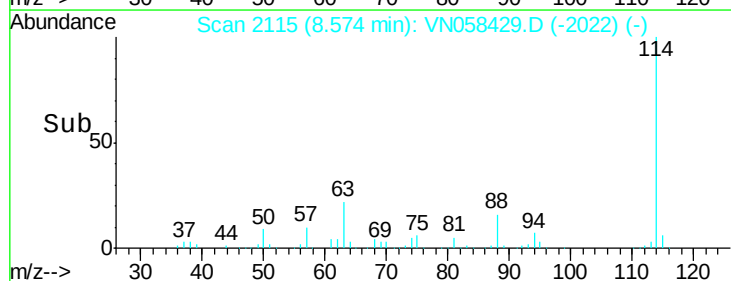
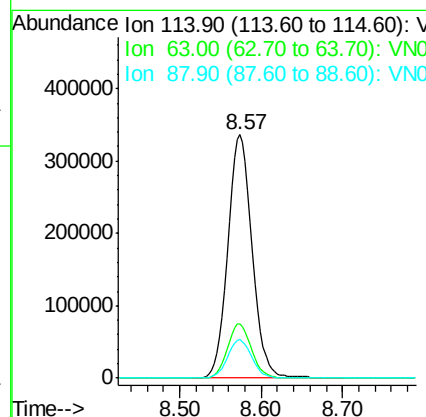
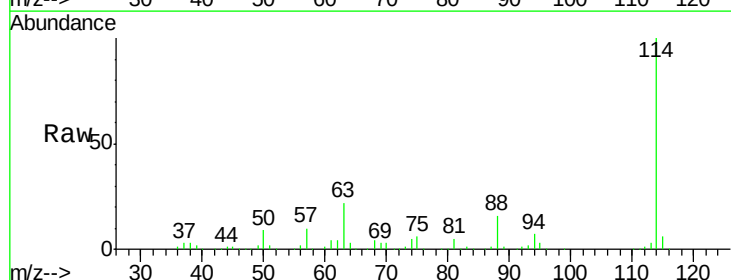
Instrument :
 MSVOA_N
 ClientSampled :

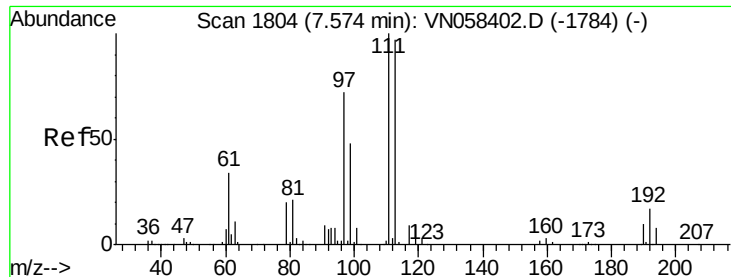
Tot Ion: 65 Resp: 309277
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058429.D
 Acq: 30 Sep 2019 12:59

Tgt Ion: 114 Resp: 709587
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.0
 88 15.7 0.0 32.2

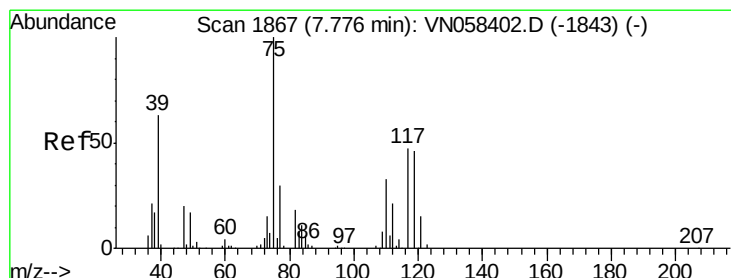
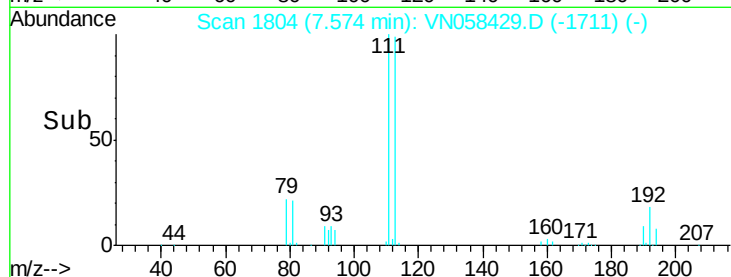
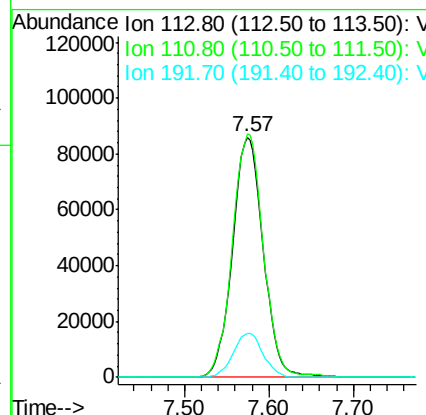
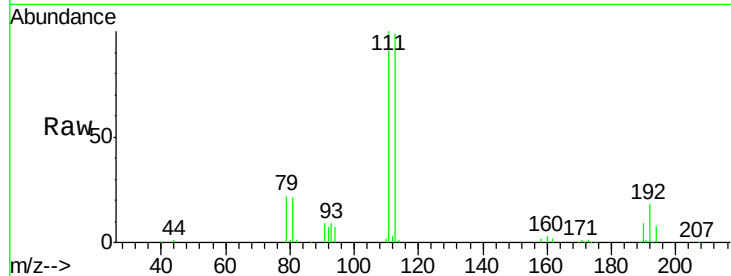




#35
 Dibromofluoromethane
 Concen: 50.142 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058429.D
 Acq: 30 Sep 2019 12:59

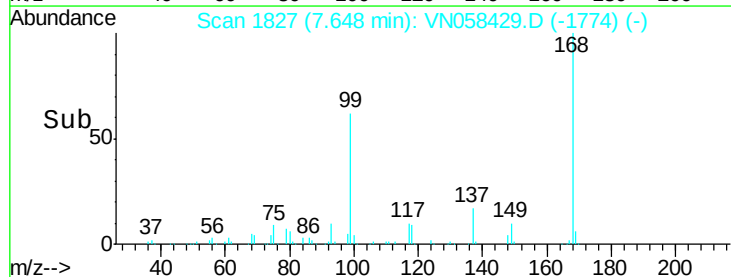
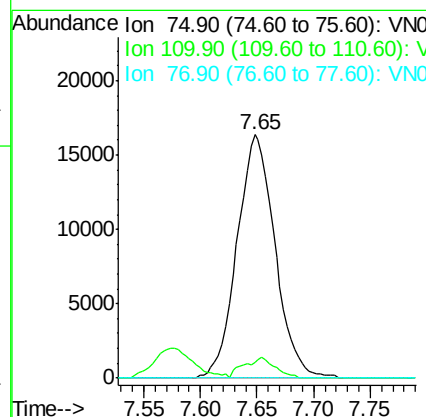
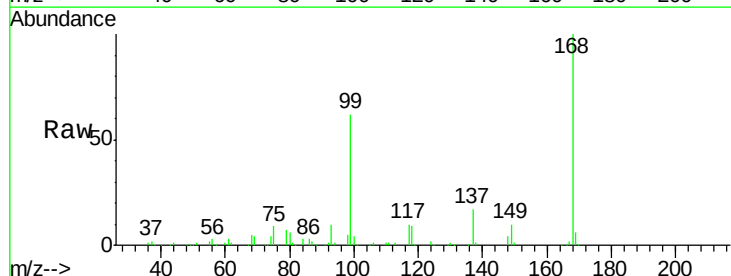
Instrument :
 MSVOA_N
 ClientSampled :

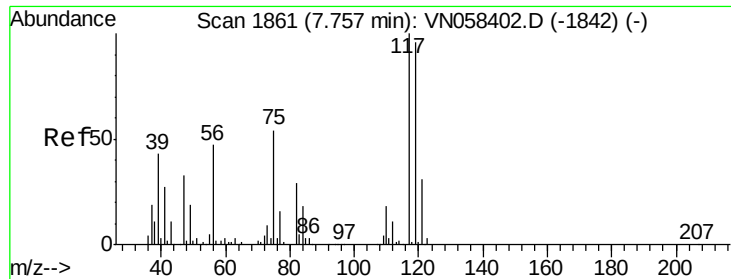
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.4	125.2
192	17.9	14.9	22.3



#36
 1,1-Dichloropropene
 Concen: 5.645 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058429.D
 Acq: 30 Sep 2019 12:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.0	16.4	49.2#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 7.131 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058429.D

Acq: 30 Sep 2019 12:59

Instrument :

MSVOA_N

ClientSampleId :

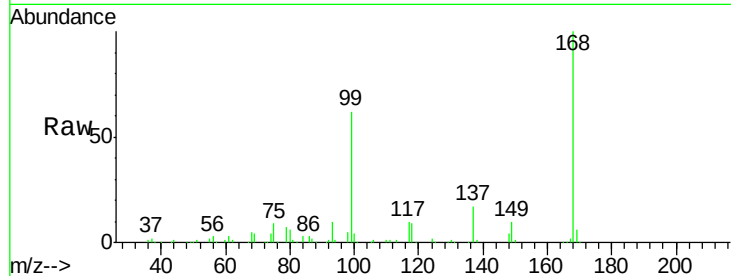
Tot Ion:117 Resp: 43673

Ion Ratio Lower Upper

117 100

119 4.4 76.6 115.0#

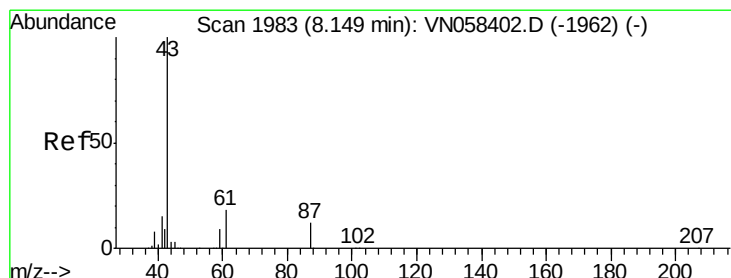
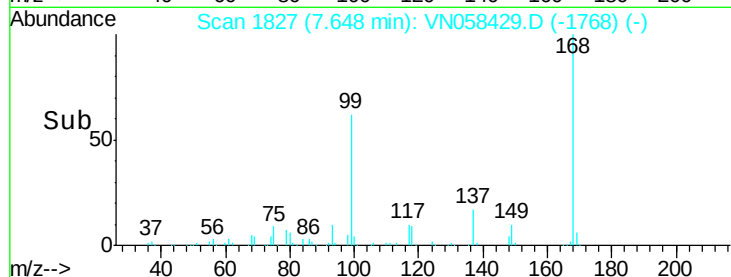
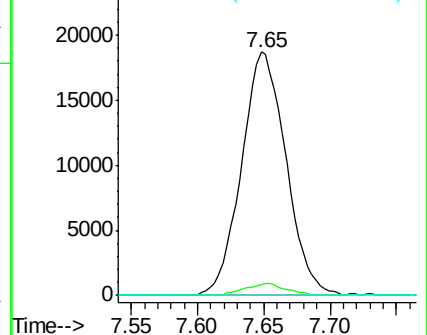
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 0.697 ug/l

RT: 8.24 min Scan# 2011

Delta R.T. 0.09 min

Lab File: VN058429.D

Acq: 30 Sep 2019 12:59

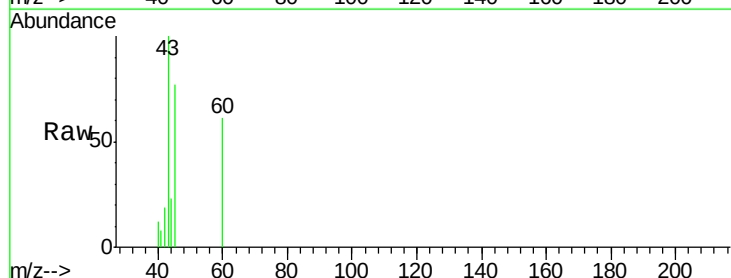
Tgt Ion: 43 Resp: 7543

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

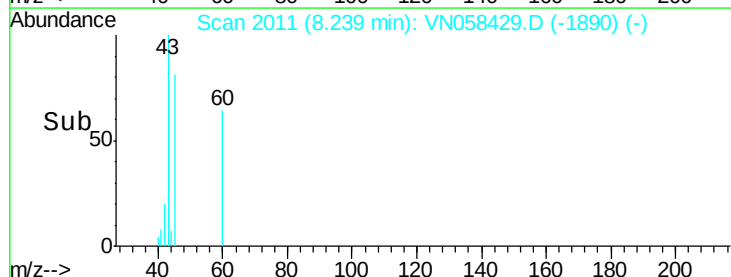
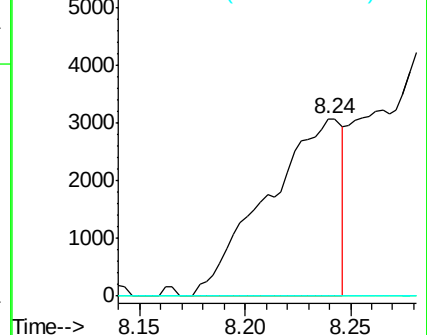
87 0.0 9.7 14.5#

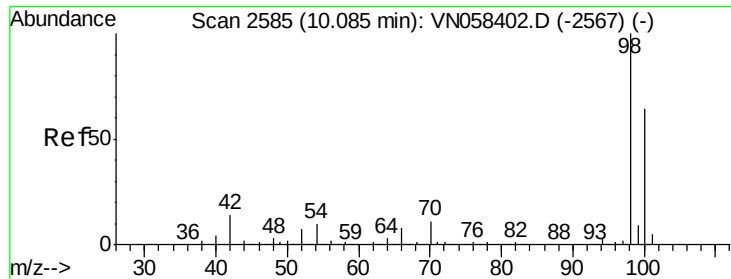


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 51.233 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058429.D

Acq: 30 Sep 2019 12:59

Instrument :

MSVOA_N

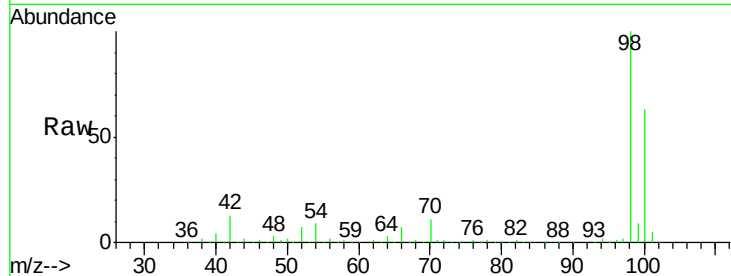
ClientSampled :

Tot Ion: 98 Resp: 872846

Ion Ratio Lower Upper

98 100

100 63.5 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN058402.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN058402.D (-2567) (-)

10.09

500000

400000

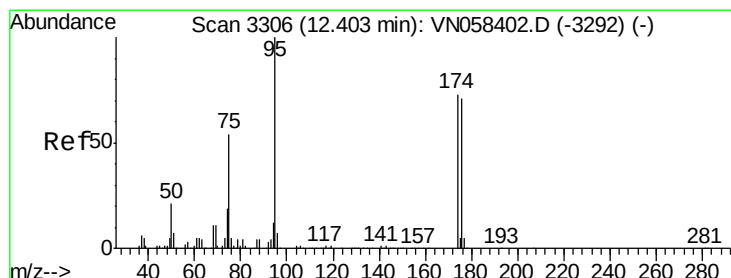
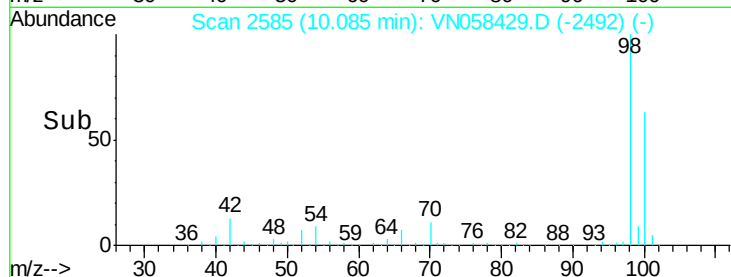
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.091 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058429.D

Acq: 30 Sep 2019 12:59

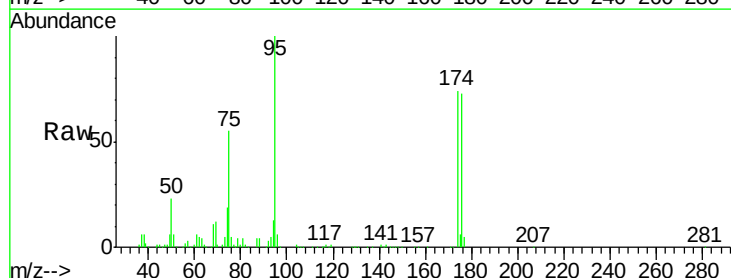
Tgt Ion: 95 Resp: 271609

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.6

176 72.9 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)

12.41

200000

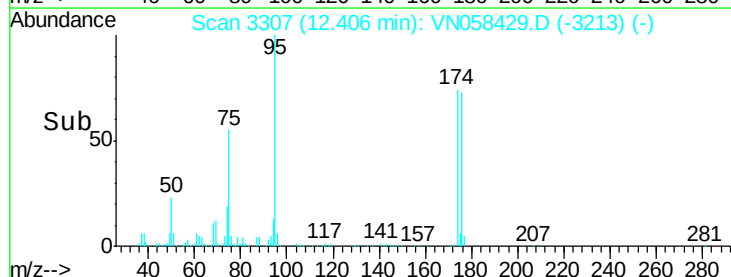
150000

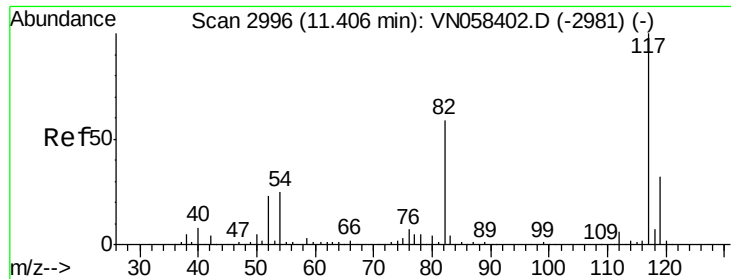
100000

50000

0

Time-->

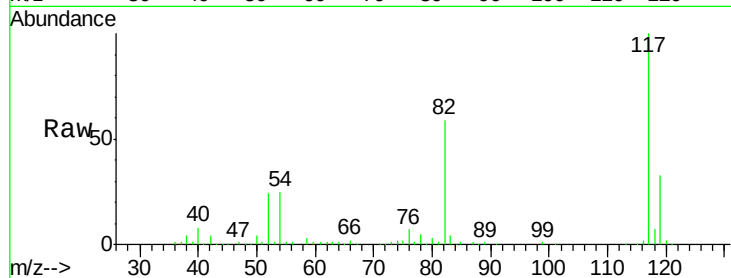




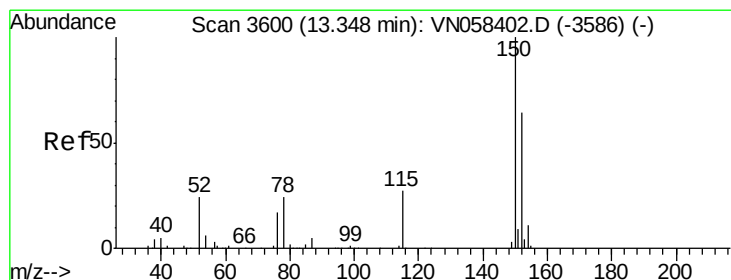
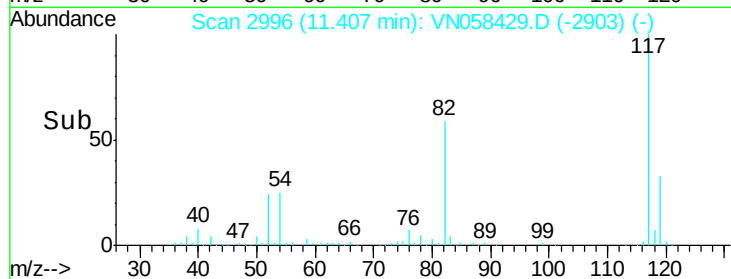
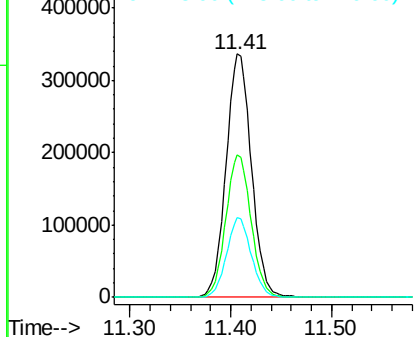
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN058429.D
 Acq: 30 Sep 2019 12:59

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:117 Resp: 590607
 Ion Ratio Lower Upper
 117 100
 82 58.6 47.4 71.0
 119 32.8 25.5 38.3

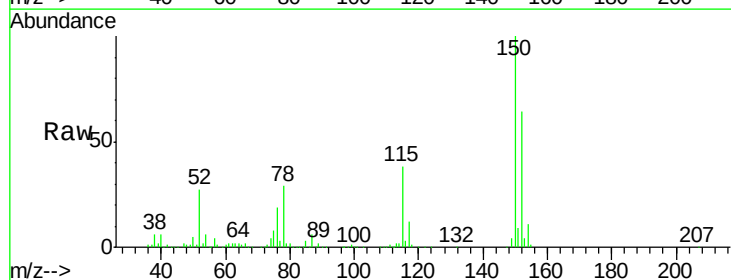


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

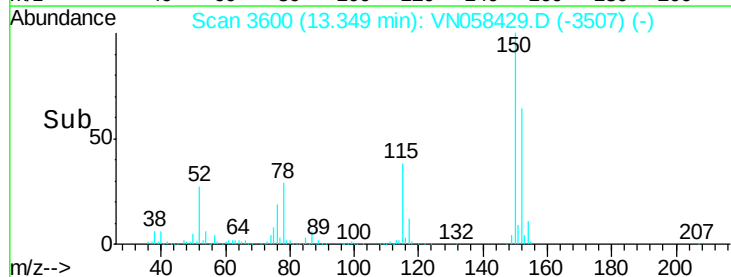
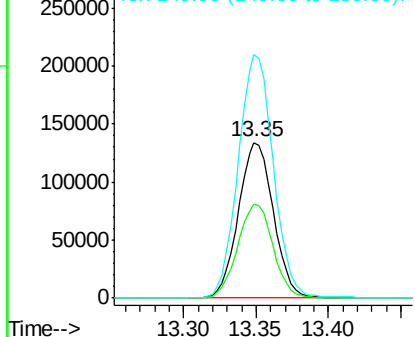


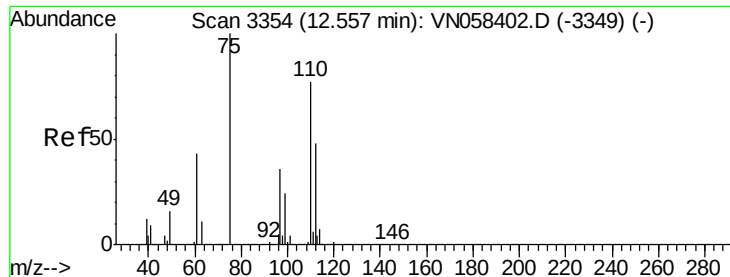
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN058429.D
 Acq: 30 Sep 2019 12:59

Tgt Ion:152 Resp: 225072
 Ion Ratio Lower Upper
 152 100
 115 61.1 30.0 90.0
 150 157.6 0.0 348.2



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: 35.949 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058429.D

Acq: 30 Sep 2019 12:59

Instrument :

MSVOA_N

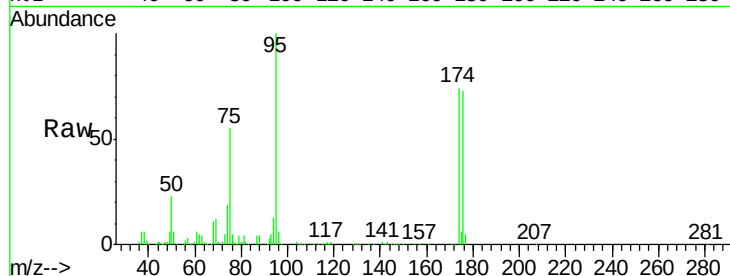
ClientSampleId :

Tot Ion: 75 Resp: 147785

Ion Ratio Lower Upper

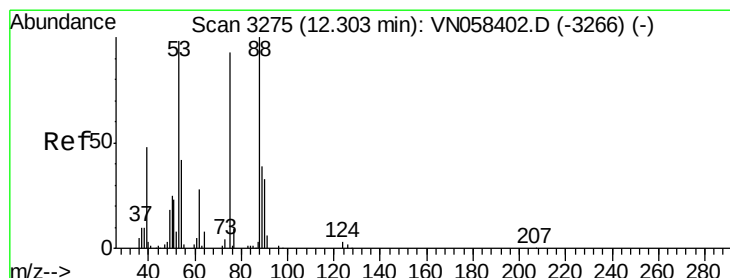
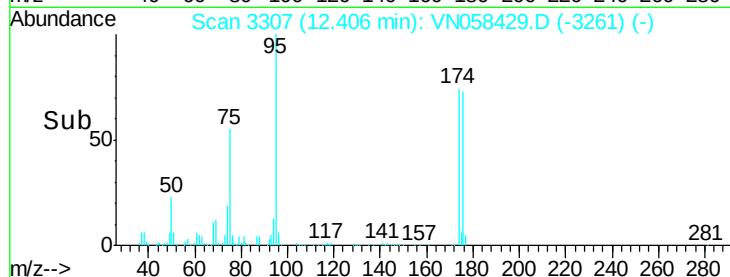
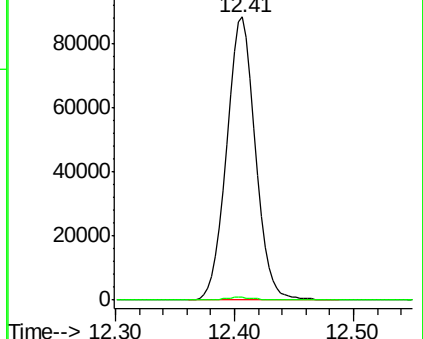
75 100

77 1.0 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: 109.182 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058429.D

Acq: 30 Sep 2019 12:59

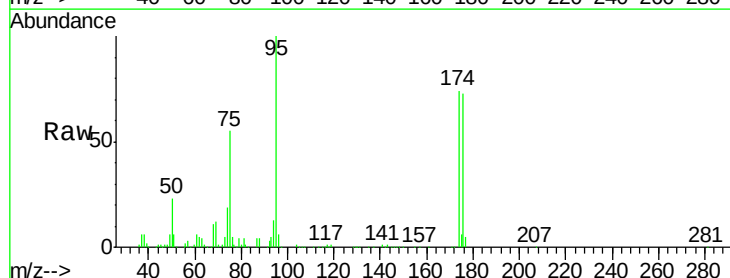
Tgt Ion: 75 Resp: 147785

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

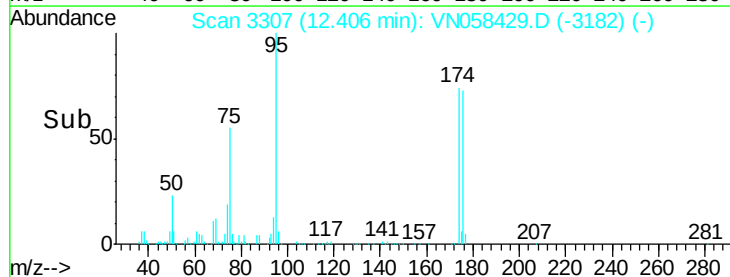
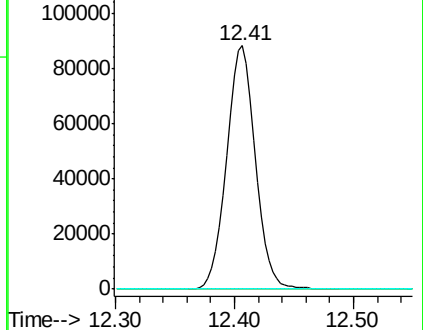
89 0.0 35.0 52.4#

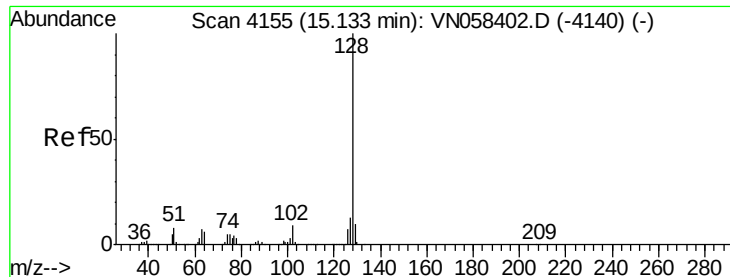


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 0.296 ug/l

RT: 15.14 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN058429.D

Acq: 30 Sep 2019 12:59

Instrument :

MSVOA_N

ClientSampled :

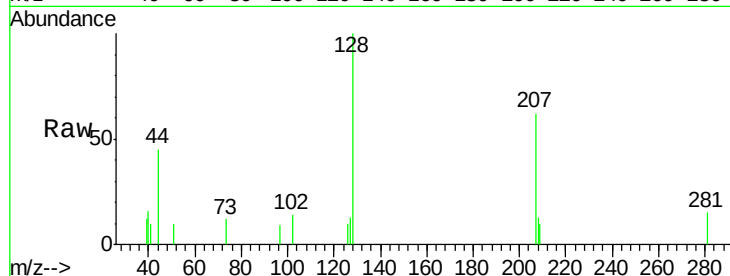
Tot Ion:128 Resp: 3575

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.4

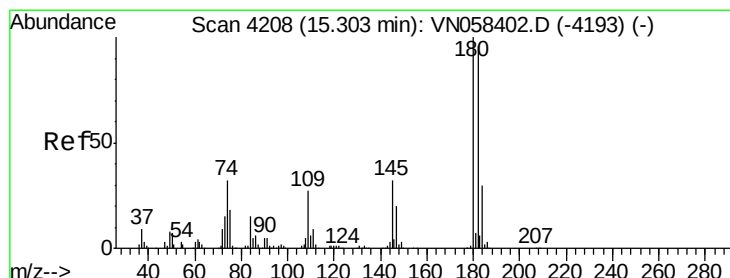
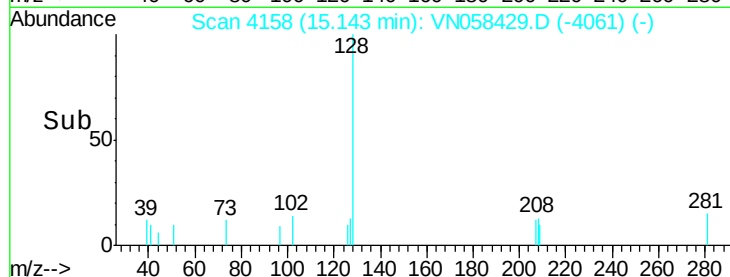
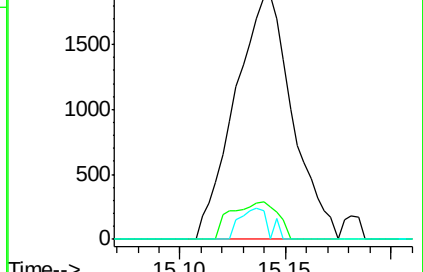
129 6.3 8.3 12.5#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.202 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058429.D

Acq: 30 Sep 2019 12:59

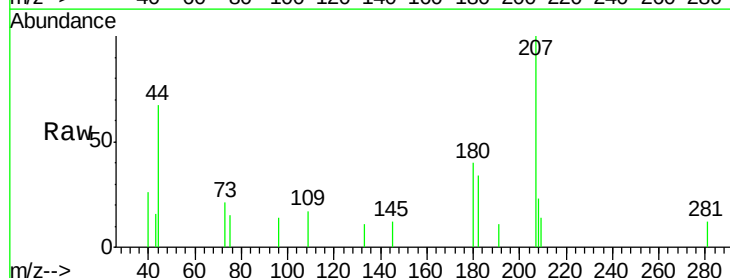
Tgt Ion:180 Resp: 855

Ion Ratio Lower Upper

180 100

182 80.1 48.3 144.9

145 11.9 16.1 48.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

