

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058921.D
 Acq On : 23 Oct 2019 12:06
 Operator : JC/SP
 Sample : PB124196TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB124196TB

Quant Time: Oct 24 01:10:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	299737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	479614	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	426257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	152307	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	226147	51.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.88%	
35) Dibromofluoromethane	7.57	113	159759	50.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.32%	
50) Toluene-d8	10.08	98	598576	48.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.40	95	186434	41.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.94%	

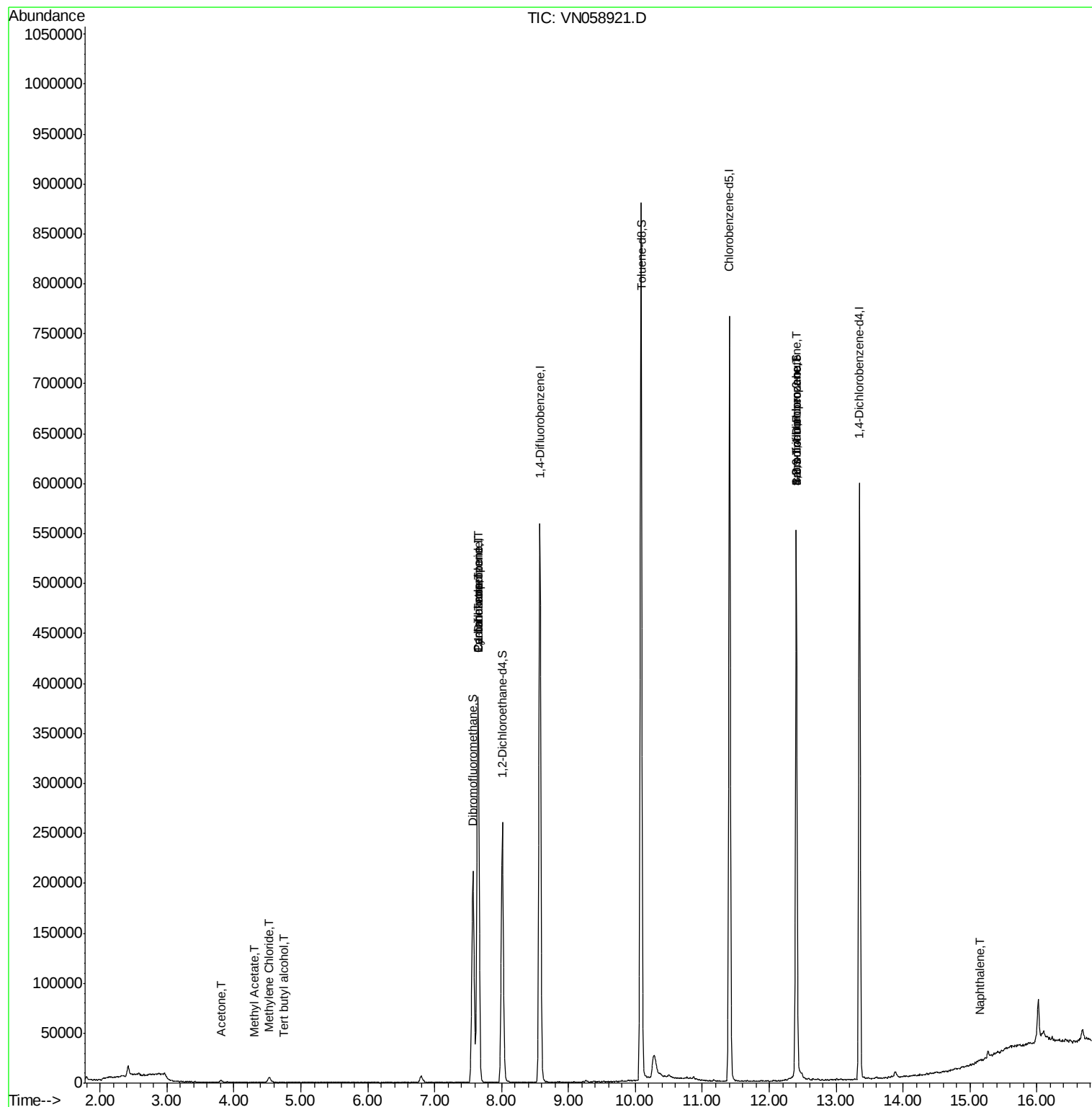
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	187	0.256	ug/l #	72
16) Acetone	3.80	43	3178	1.463	ug/l	99
18) Methyl Acetate	4.32	43	1073	0.217	ug/l #	55
20) Methylene Chloride	4.52	84	4321	1.165	ug/l #	78
31) Cyclohexane	7.64	56	7466	1.182	ug/l #	30
36) 1,1-Dichloropropene	7.65	75	25522	5.198	ug/l #	51
38) Carbon Tetrachloride	7.65	117	29737	5.879	ug/l #	17
71) Bromoform	12.40	173	1033	0.407	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	98071	27.783	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	98071	72.377	ug/l #	10
95) Naphthalene	15.14	128	173	2.244	ug/l #	70

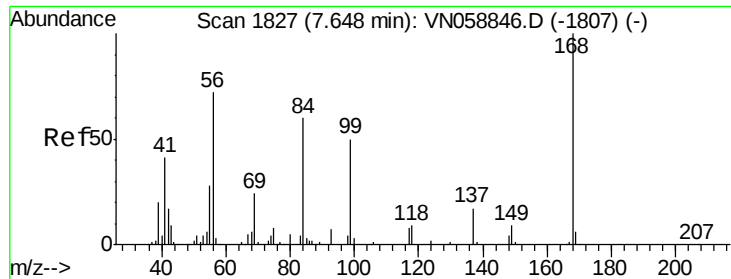
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058921.D

Acq: 23 Oct 2019 12:06

Instrument :

MSVOA_N

ClientSampleId :

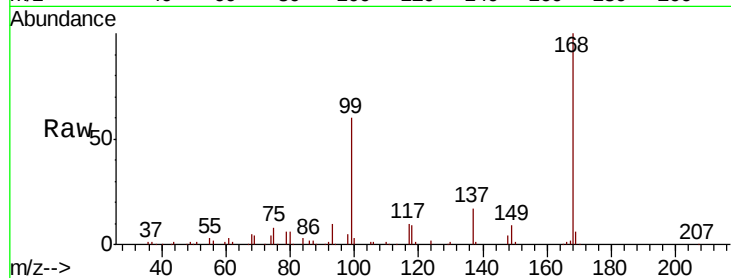
PB124196TB

Tot Ion:168 Resp: 299737

Ion Ratio Lower Upper

168 100

99 59.6 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

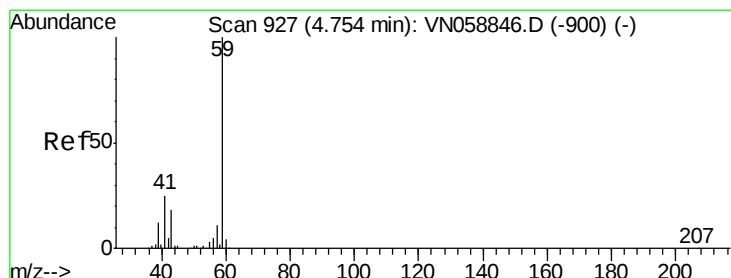
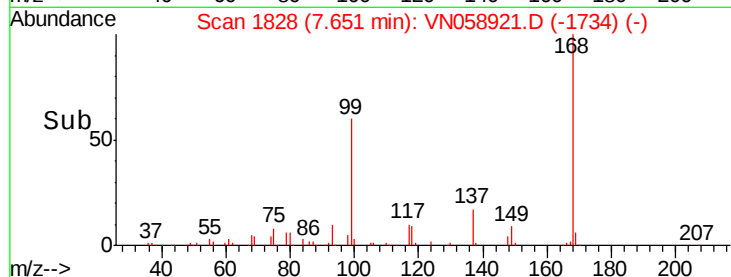
100000

50000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.256 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.02 min

Lab File: VN058921.D

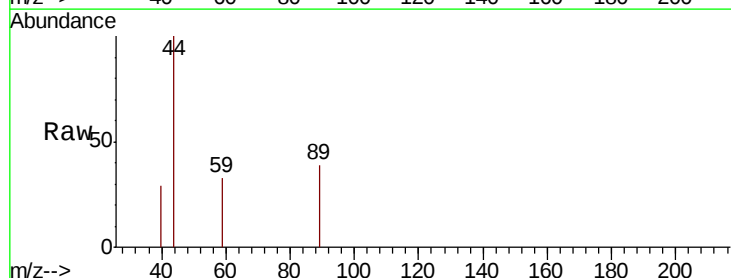
Acq: 23 Oct 2019 12:06

Tgt Ion: 59 Resp: 187

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

200

150

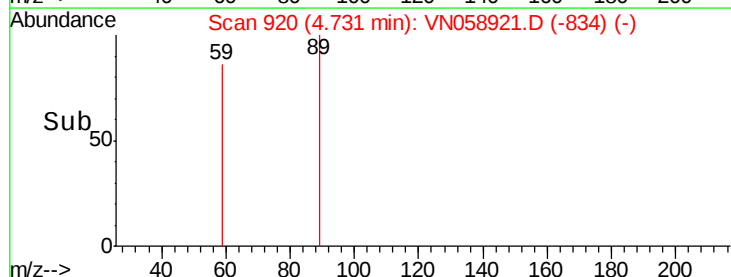
100

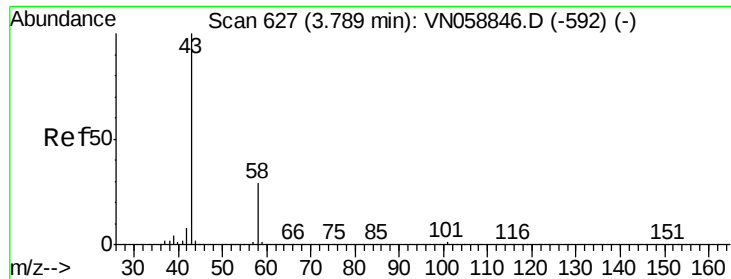
50

0

4.72 4.73 4.74 4.75

Time-->





#16

Acetone

Concen: 1.463 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058921.D

Acq: 23 Oct 2019 12:06

Instrument :

MSVOA_N

ClientSampleId :

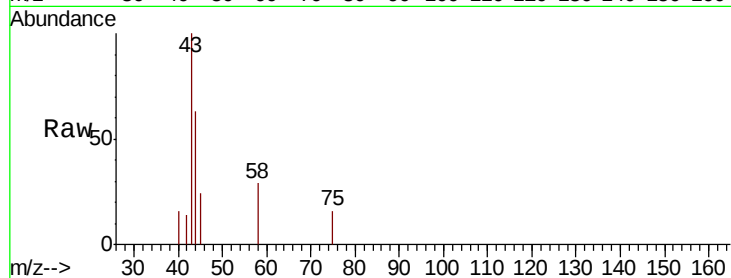
PB124196TB

Tot Ion: 43 Resp: 3178

Ion Ratio Lower Upper

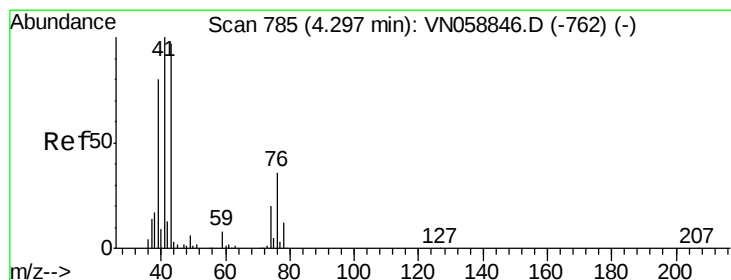
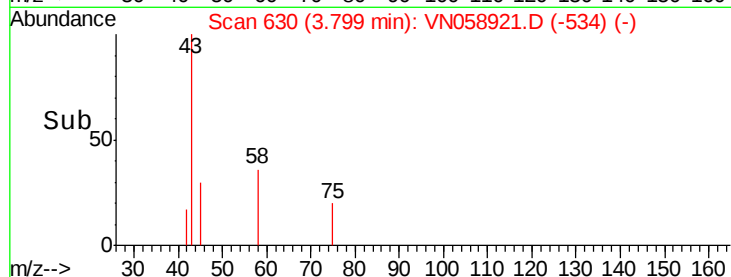
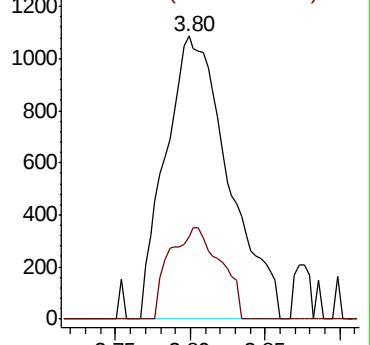
43 100

58 29.3 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.217 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.02 min

Lab File: VN058921.D

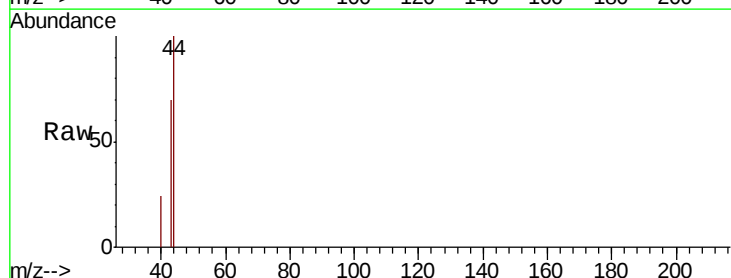
Acq: 23 Oct 2019 12:06

Tgt Ion: 43 Resp: 1073

Ion Ratio Lower Upper

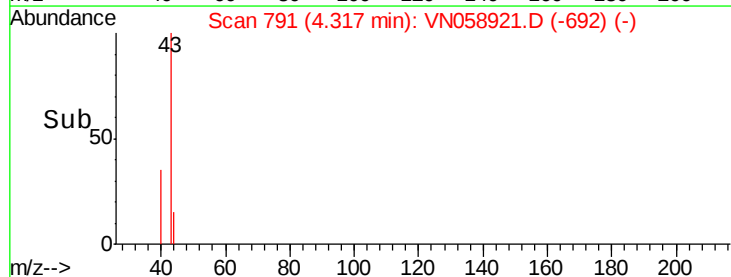
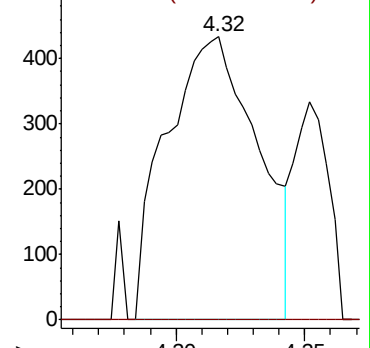
43 100

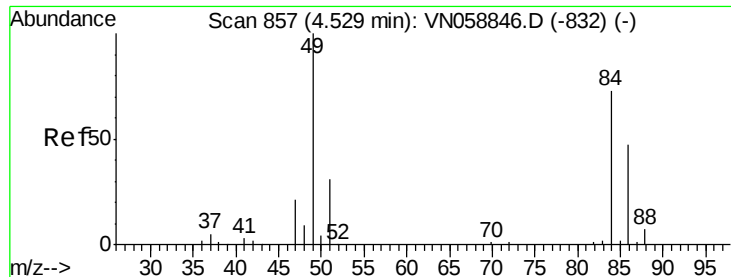
74 0.0 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

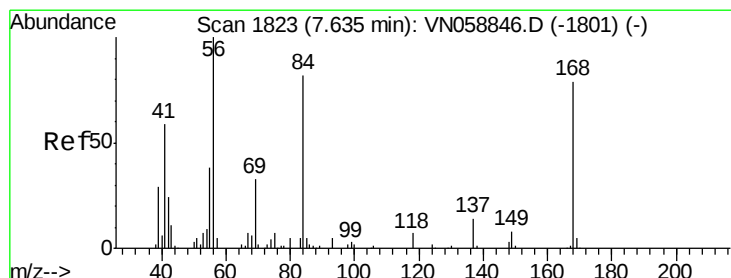
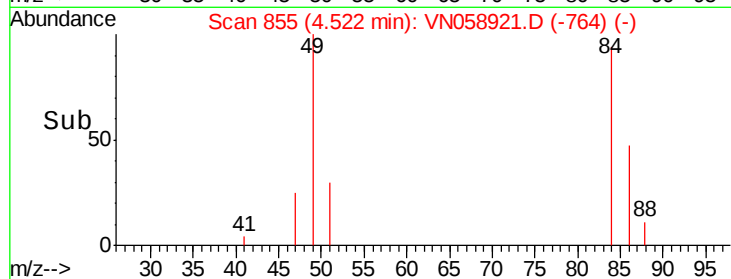
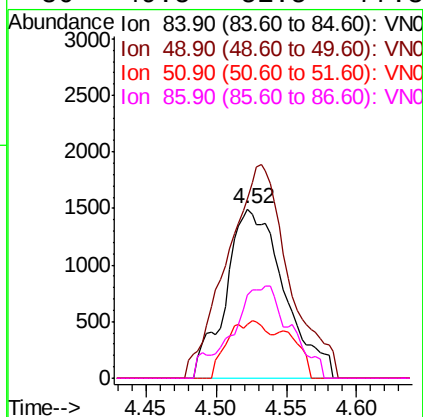
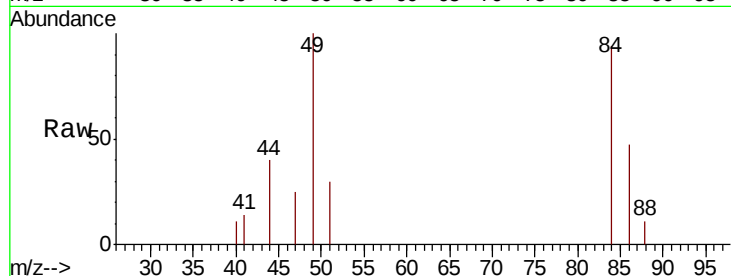




#20
Methvlene Chloride
Concen: 1.165 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058921.D
Acq: 23 Oct 2019 12:06

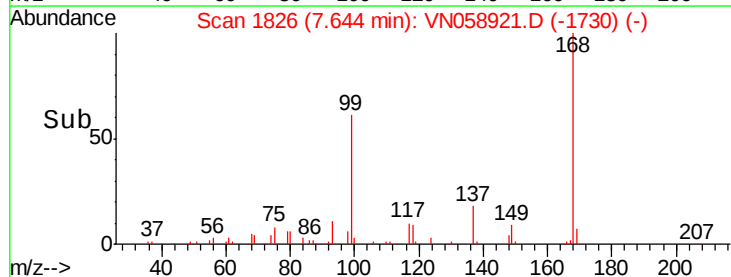
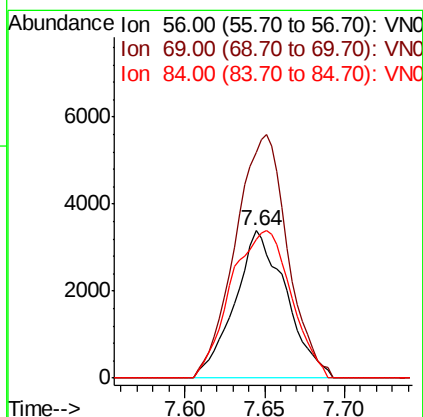
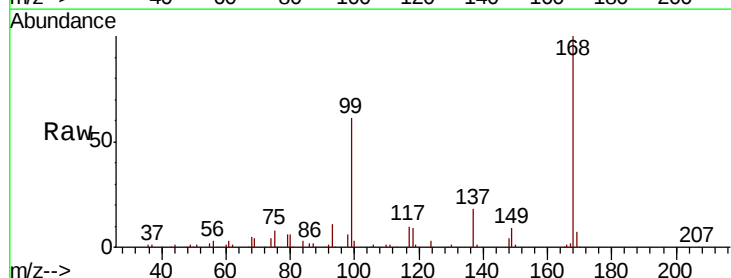
Instrument :
MSVOA_N
ClientSampleId :
PB124196TB

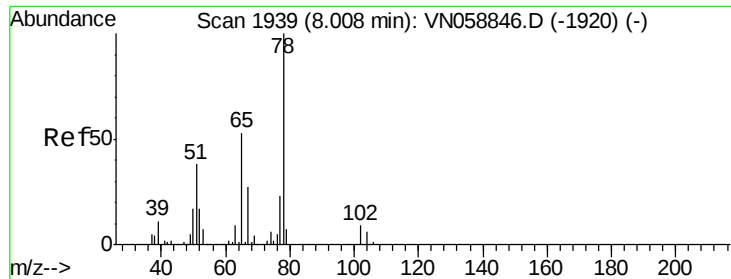
Tot Ion: 84 Resp: 4321
Ion Ratio Lower Upper
84 100
49 106.0 109.6 164.4#
51 31.6 33.8 50.6#
86 49.5 51.5 77.3#



#31
Cyclohexane
Concen: 1.182 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058921.D
Acq: 23 Oct 2019 12:06

Tgt Ion: 56 Resp: 7466
Ion Ratio Lower Upper
56 100
69 152.9 26.2 39.4#
84 93.9 65.6 98.4

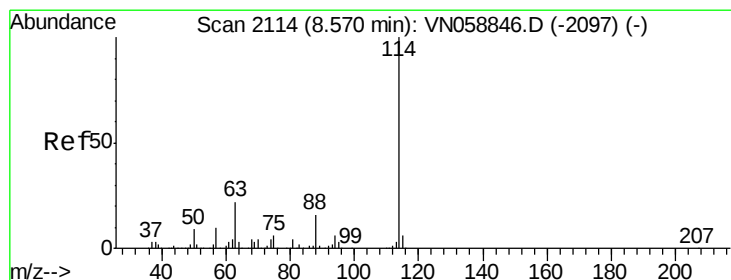
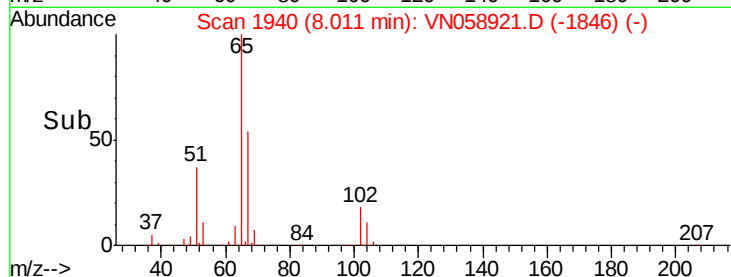
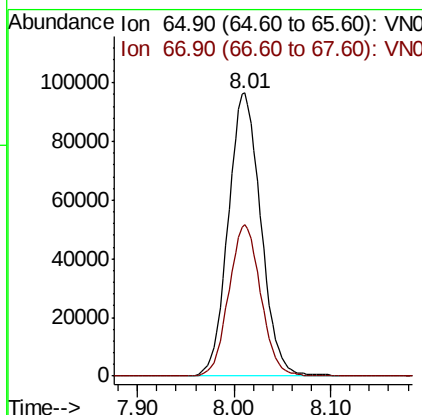
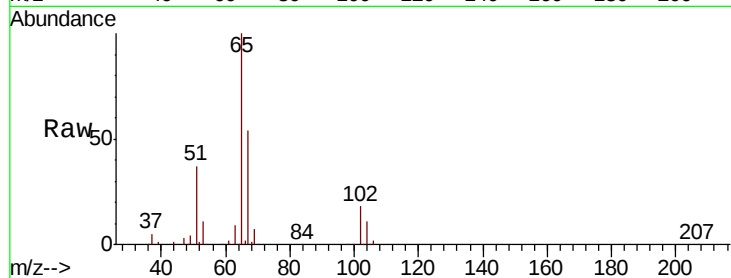




#33
 1,2-Dichloroethane-d4
 Concen: 51.443 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058921.D
 Acq: 23 Oct 2019 12:06

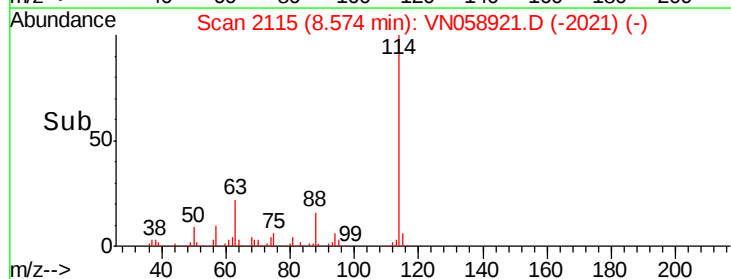
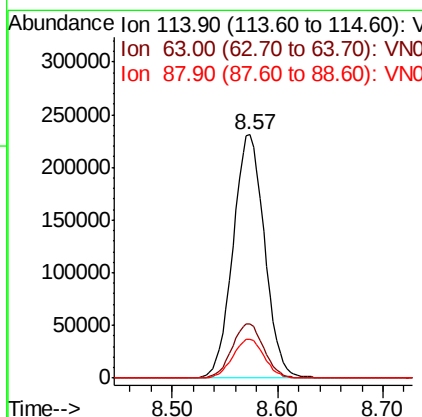
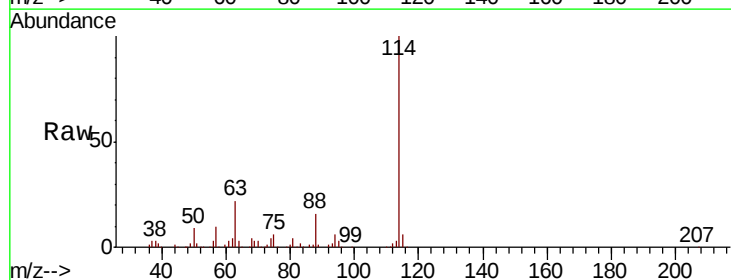
Instrument :
 MSVOA_N
 ClientSampled :
 PB124196TB

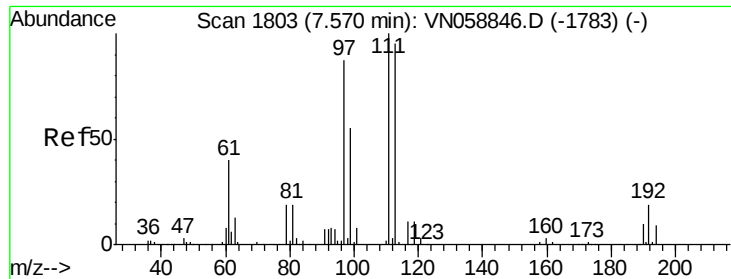
Tot Ion: 65 Resp: 226147
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058921.D
 Acq: 23 Oct 2019 12:06

Tgt Ion: 114 Resp: 479614
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.4
 88 16.1 0.0 31.4

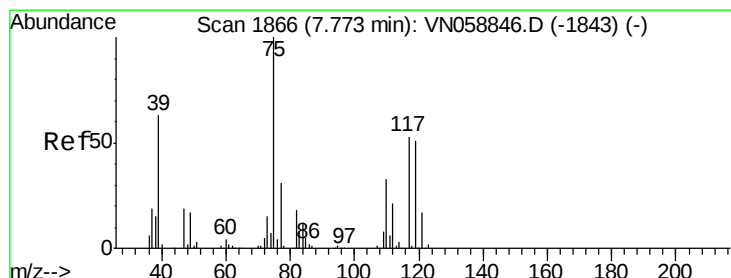
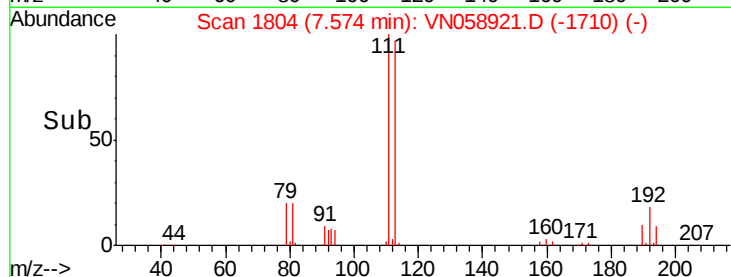
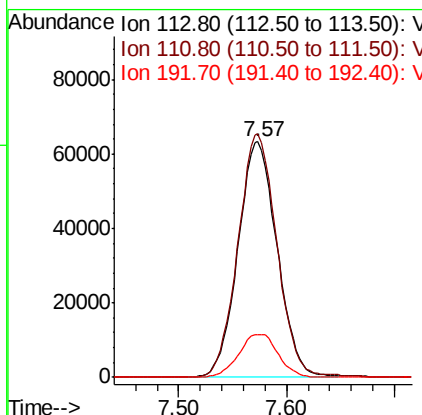
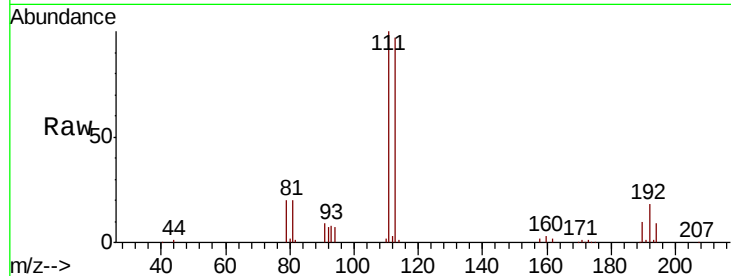




#35
 Dibromofluoromethane
 Concen: 50.663 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058921.D
 Acq: 23 Oct 2019 12:06

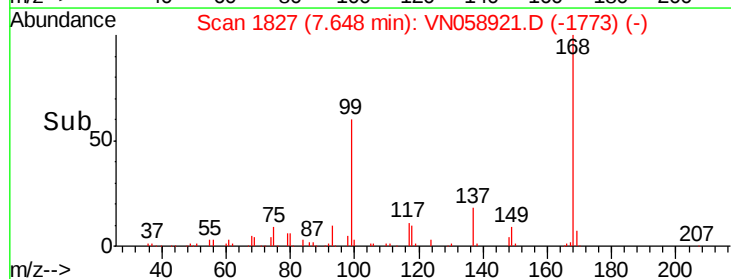
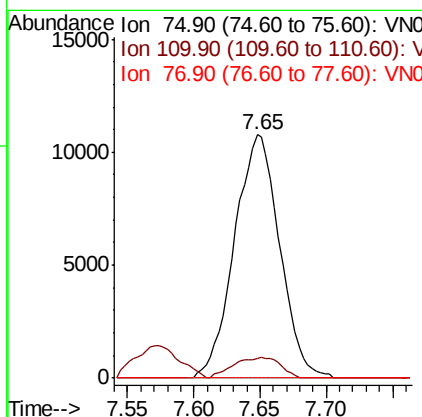
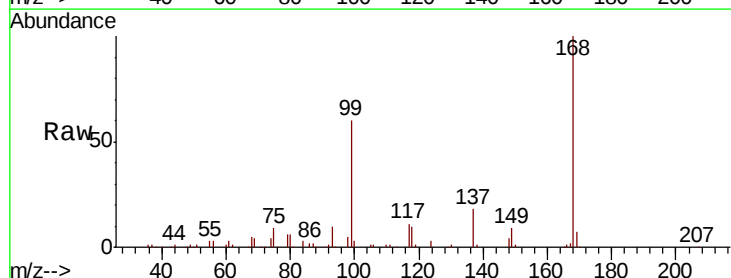
Instrument :
 MSVOA_N
 ClientSampleId :
 PB124196TB

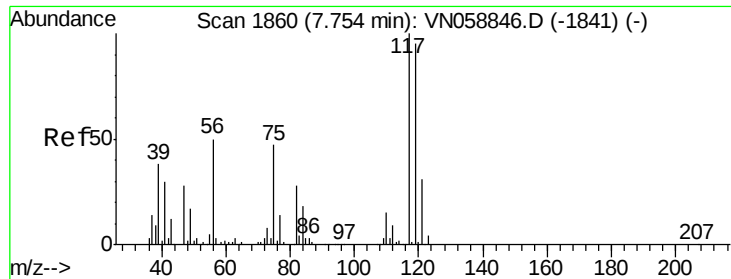
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.0	123.0
192	18.5	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 5.198 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058921.D
 Acq: 23 Oct 2019 12:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.3	48.9#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.879 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058921.D

Acq: 23 Oct 2019 12:06

Instrument :

MSVOA_N

ClientSampleId :

PB124196TB

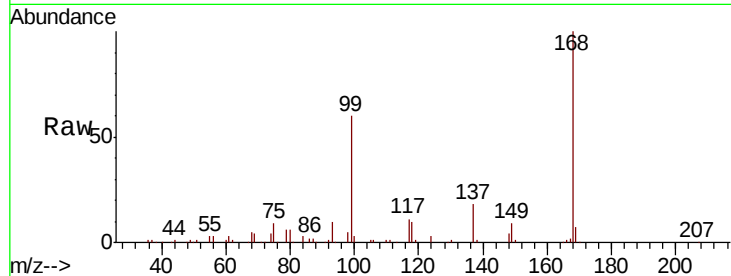
Tot Ion:117 Resp: 29737

Ion Ratio Lower Upper

117 100

119 5.5 75.7 113.5#

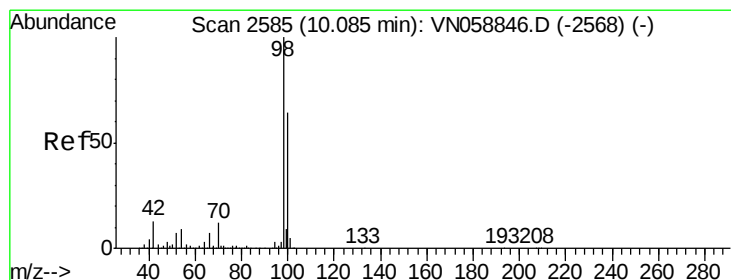
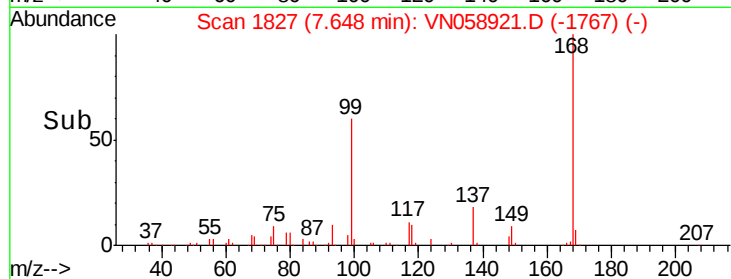
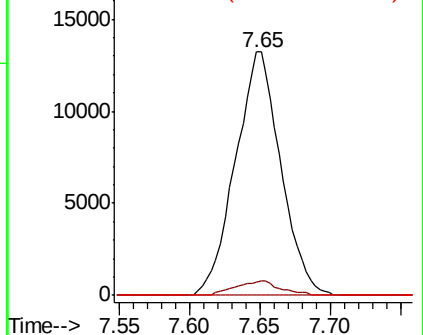
121 0.0 25.0 37.6#



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



#50

Toluene-d8

Concen: 48.900 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058921.D

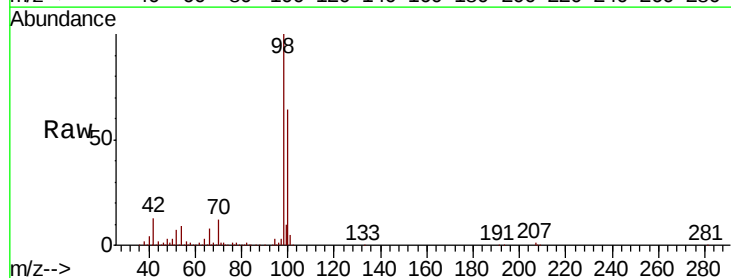
Acq: 23 Oct 2019 12:06

Tgt Ion: 98 Resp: 598576

Ion Ratio Lower Upper

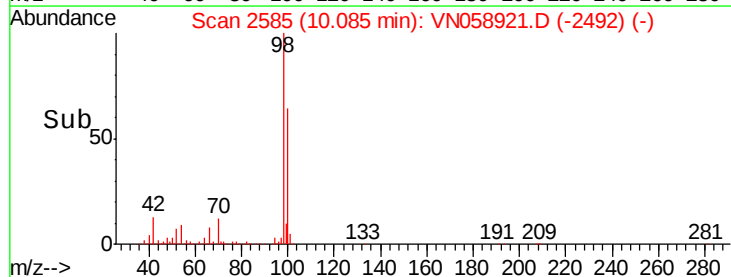
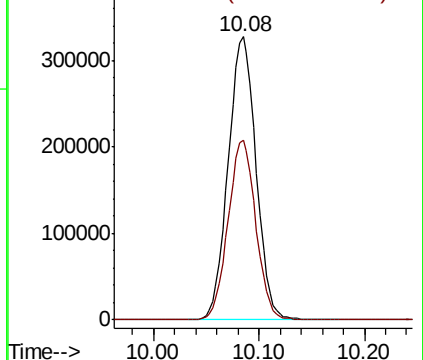
98 100

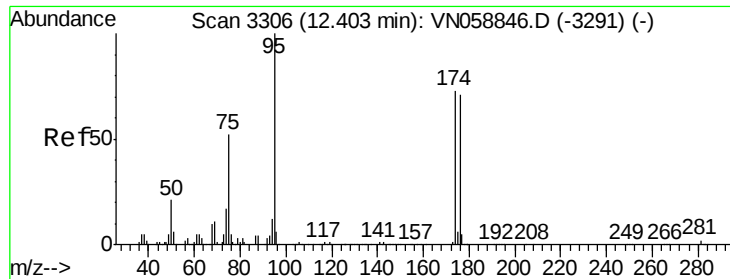
100 63.1 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 41.474 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058921.D

Acq: 23 Oct 2019 12:06

Instrument :

MSVOA_N

ClientSampled :

PB124196TB

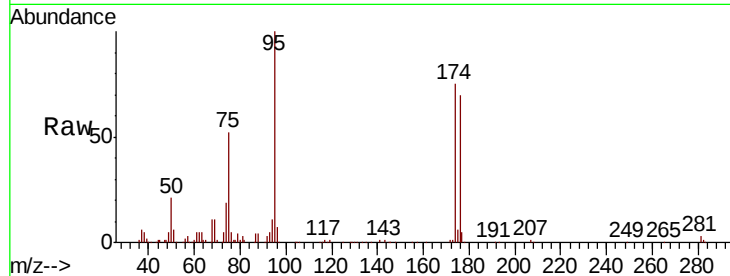
Tot Ion: 95 Resp: 186434

Ion Ratio Lower Upper

95 100

174 76.2 0.0 147.6

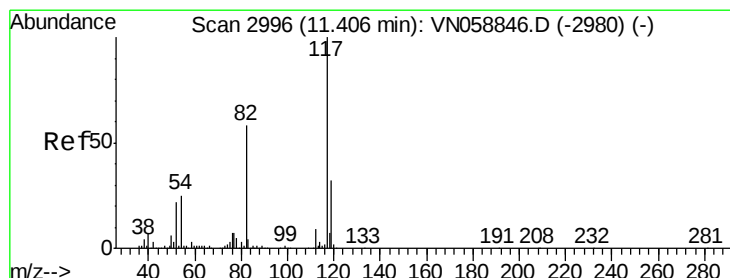
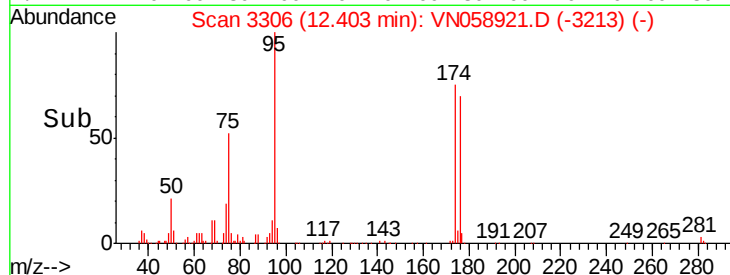
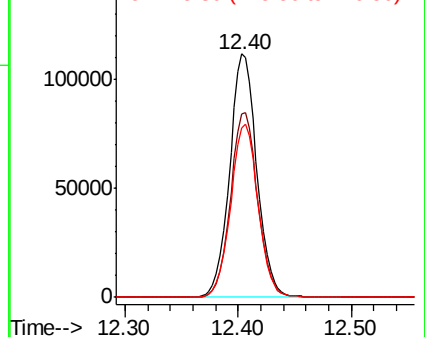
176 71.9 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): VN058921.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN058921.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN058921.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058921.D

Acq: 23 Oct 2019 12:06

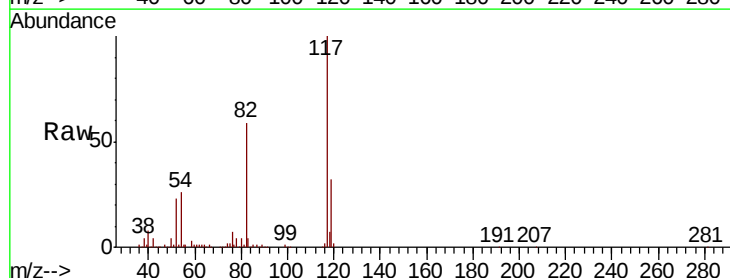
Tgt Ion: 117 Resp: 426257

Ion Ratio Lower Upper

117 100

82 59.2 46.6 69.8

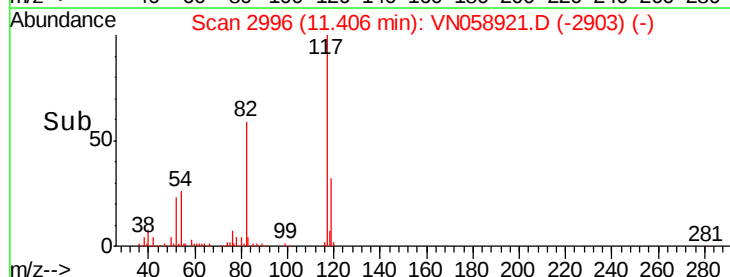
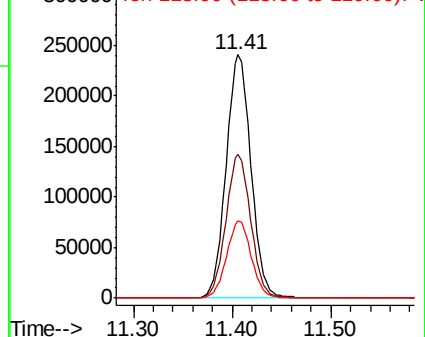
119 31.8 25.6 38.4

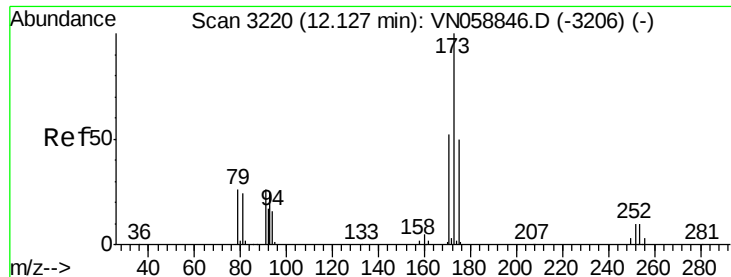


Abundance Ion 116.90 (116.60 to 117.60): VN058921.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058921.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058921.D (-2903) (-)





#71

Bromoform

Concen: 0.407 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN058921.D

Acq: 23 Oct 2019 12:06

Instrument :

MSVOA_N

ClientSampleId :

PB124196TB

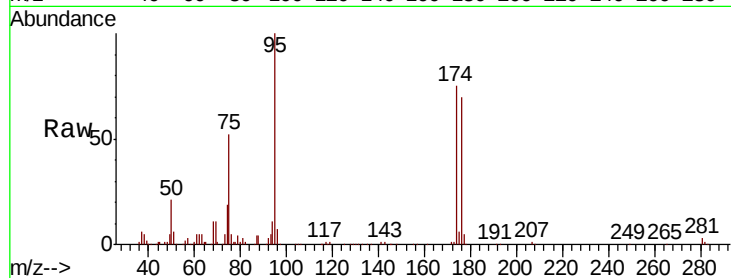
Tot Ion:173 Resp: 1033

Ion Ratio Lower Upper

173 100

175 799.9 24.7 74.1#

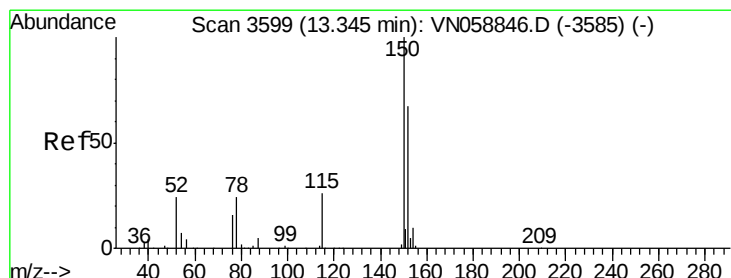
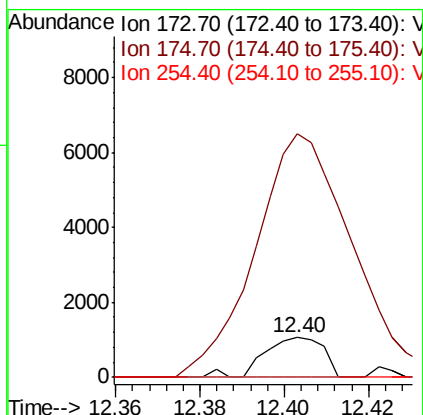
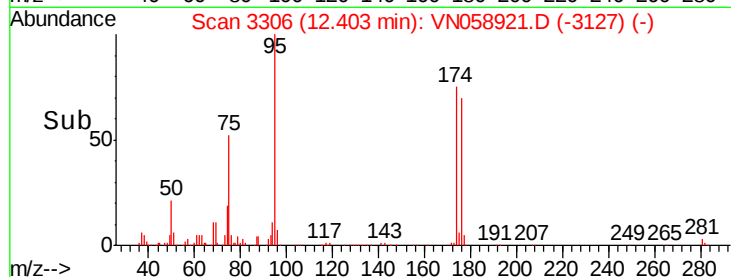
254 0.0 0.0 0.0



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# 3600

Delta R.T. 0.00 min

Lab File: VN058921.D

Acq: 23 Oct 2019 12:06

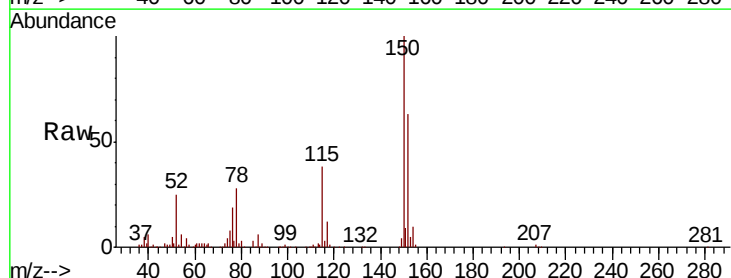
Tgt Ion:152 Resp: 152307

Ion Ratio Lower Upper

152 100

115 60.8 30.5 91.5

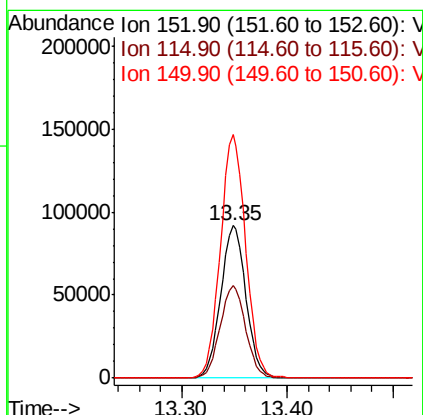
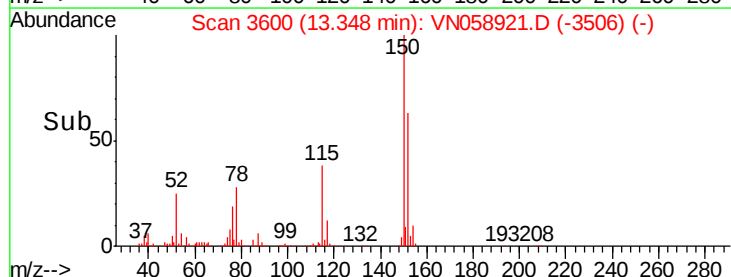
150 159.3 0.0 344.4

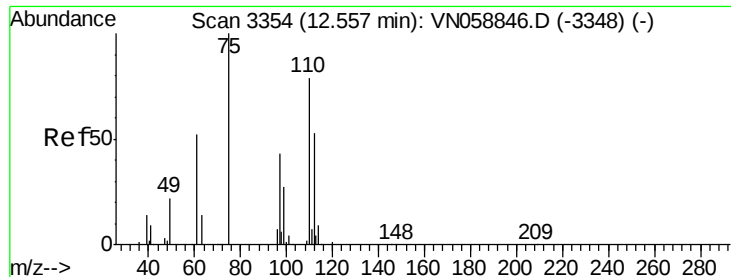


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.783 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058921.D

Acq: 23 Oct 2019 12:06

Instrument :

MSVOA_N

ClientSampleId :

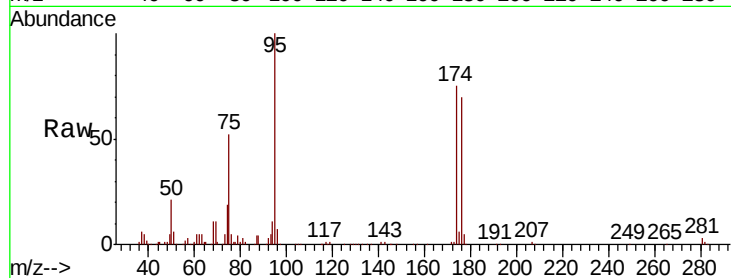
PB124196TB

Tot Ion: 75 Resp: 98071

Ion Ratio Lower Upper

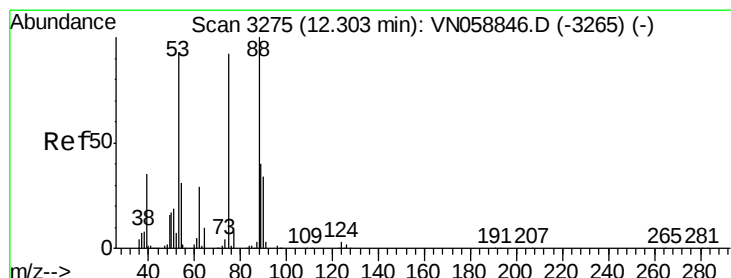
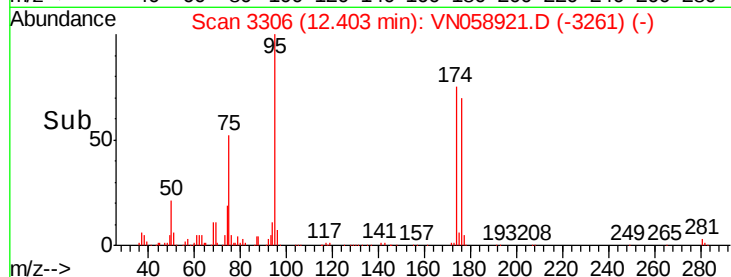
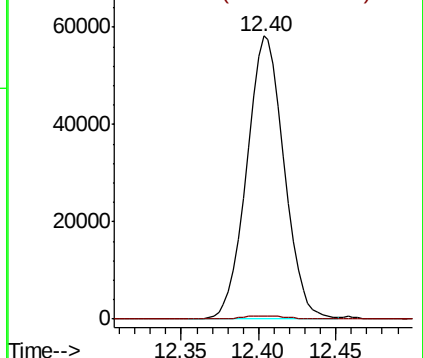
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 72.377 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058921.D

Acq: 23 Oct 2019 12:06

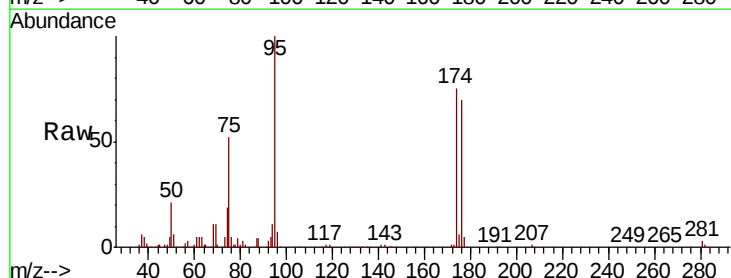
Tgt Ion: 75 Resp: 98071

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

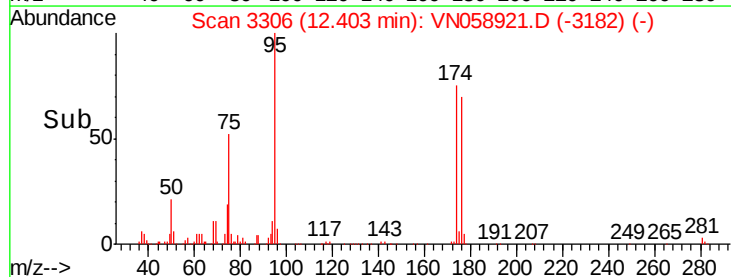
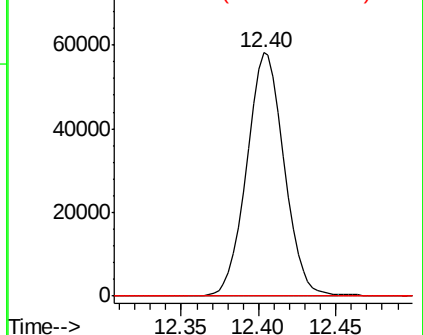
89 0.0 35.4 53.0#

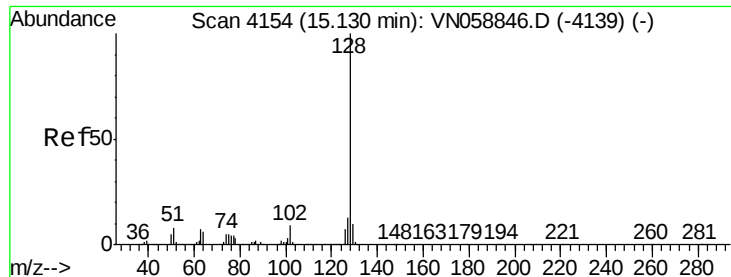


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 2.244 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN058921.D

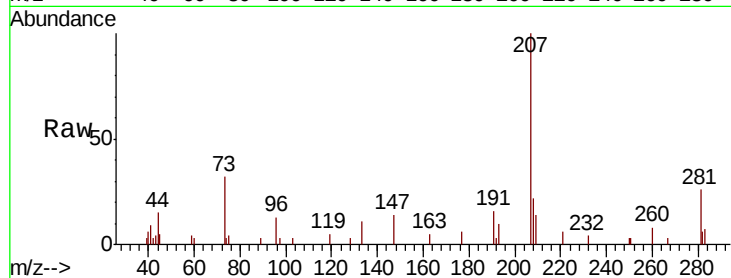
Acq: 23 Oct 2019 12:06

Instrument :

MSVOA_N

ClientSampleId :

PB124196TB



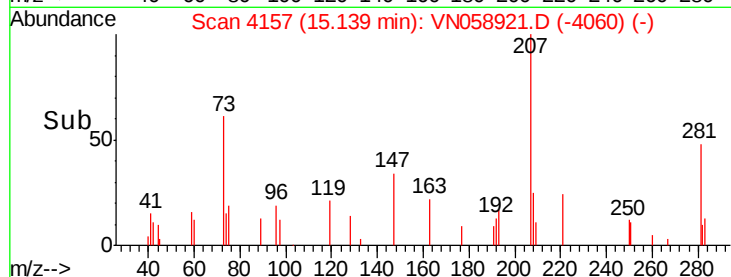
Tot Ion:128 Resp: 173

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.4 12.6#



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

