

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112219\
 Data File : VN059377.D
 Acq On : 22 Nov 2019 19:48
 Operator : JC/SP
 Sample : PB125021TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB125021TB

Quant Time: Nov 22 22:38:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	354237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	540355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	472446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	182531	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	202168	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
35) Dibromofluoromethane	7.57	113	162258	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
50) Toluene-d8	10.08	98	655356	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.40	95	213628	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	

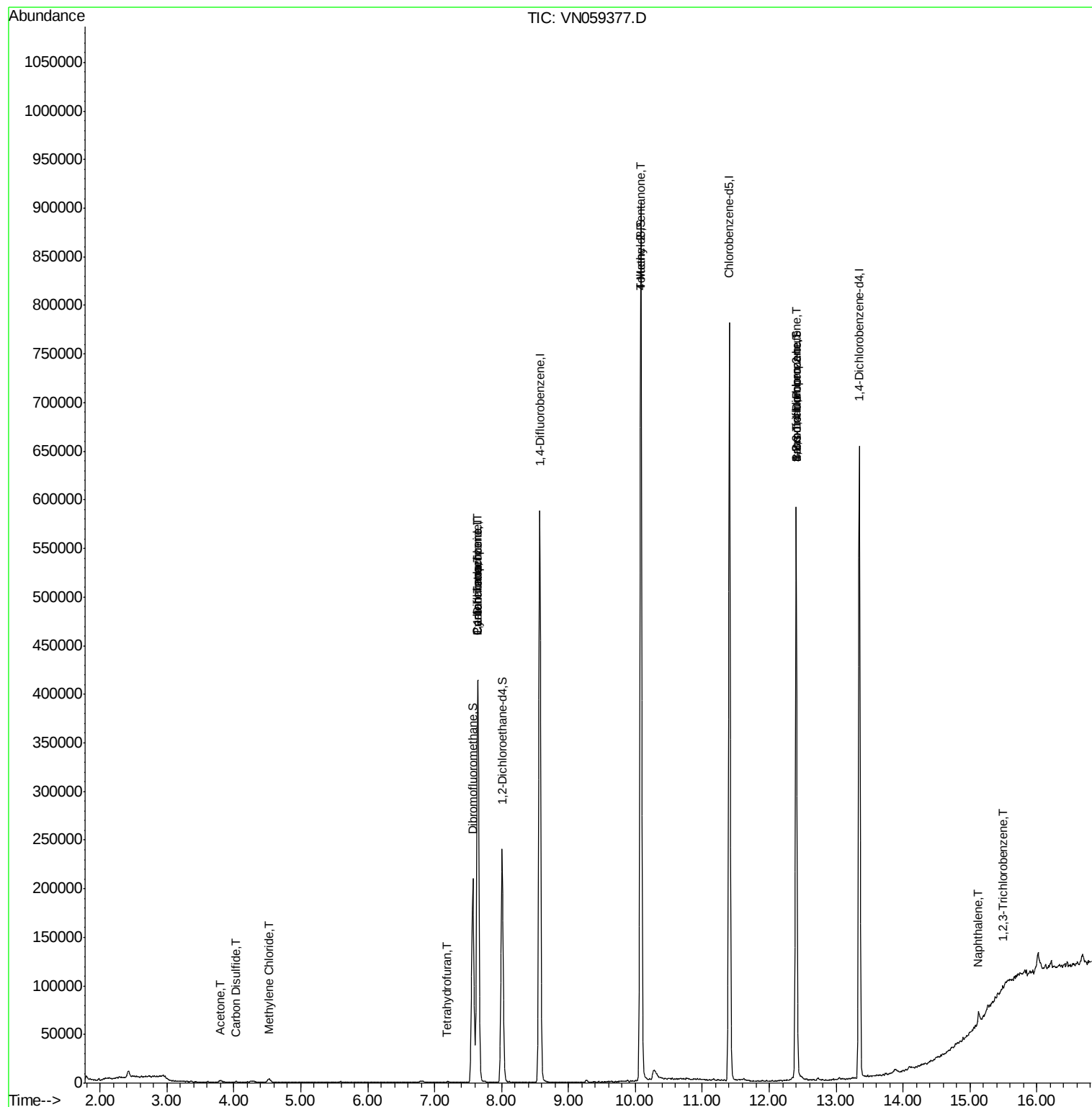
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	2897	1.520	ug/l #	83
17) Carbon Disulfide	4.02	76	967	0.221	ug/l #	28
20) Methylene Chloride	4.52	84	3336	0.776	ug/l #	83
29) Tetrahydrofuran	7.19	42	797	0.389	ug/l #	47
31) Cyclohexane	7.64	56	6344	0.848	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	25498	4.571	ug/l #	49
38) Carbon Tetrachloride	7.65	117	32468	6.080	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	2526	0.471	ug/l #	1
71) Bromoform	12.40	173	1107	0.396	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	104465	24.773	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	104465	61.961	ug/l #	14
95) Naphthalene	15.13	128	8262	3.887	ug/l	96
96) 1,2,3-Trichlorobenzene	15.49	180	29	1.909	ug/l #	1

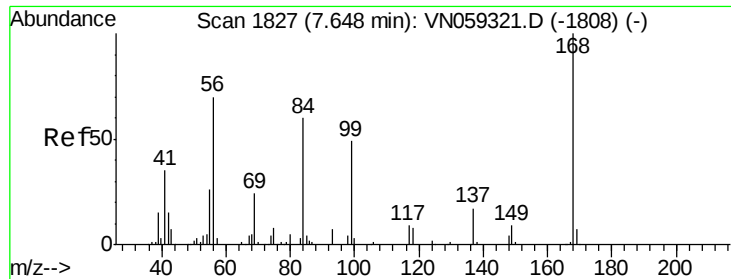
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059377.D

Acq: 22 Nov 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

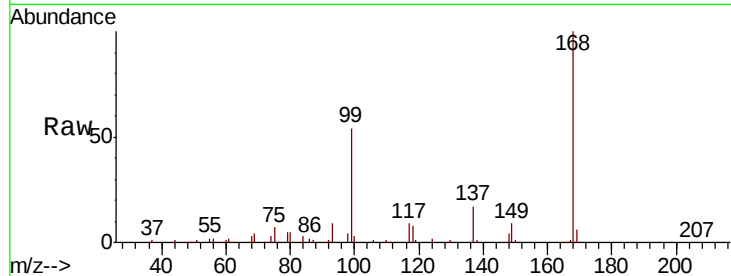
PB125021TB

Tot Ion:168 Resp: 354237

Ion Ratio Lower Upper

168 100

99 53.9 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN059321.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN059321.D (-1808) (-)

7.65

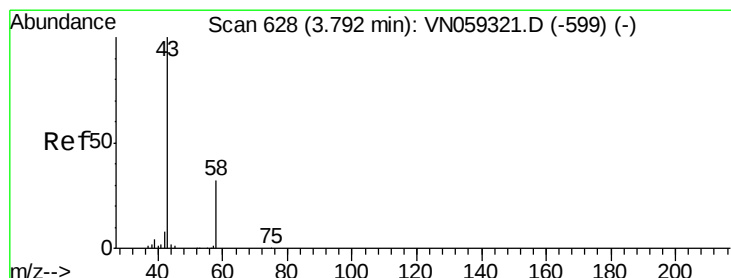
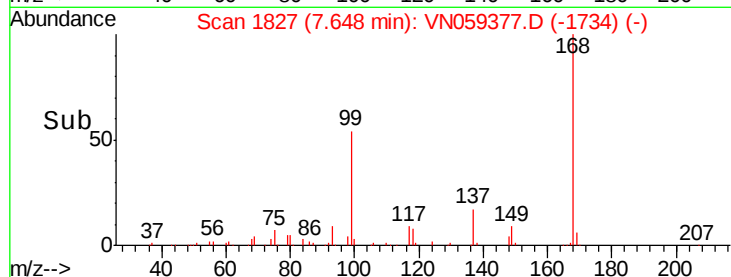
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 1.520 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN059377.D

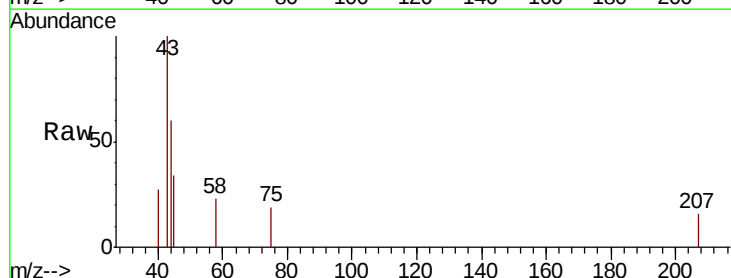
Acq: 22 Nov 2019 19:48

Tgt Ion: 43 Resp: 2897

Ion Ratio Lower Upper

43 100

58 22.6 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VN059321.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN059321.D (-599) (-)

3.80

1200

1000

800

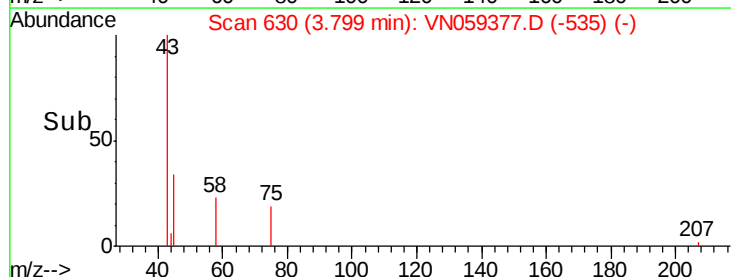
600

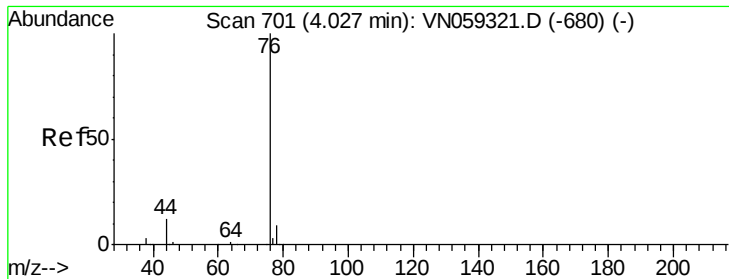
400

200

0

Time-->





#17

Carbon Disulfide

Concen: 0.221 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059377.D

Acq: 22 Nov 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

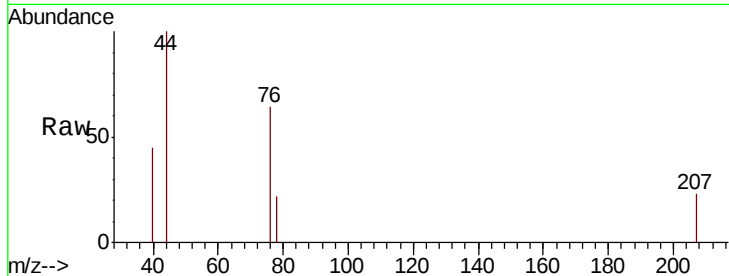
PB125021TB

Tot Ion: 76 Resp: 967

Ion Ratio Lower Upper

76 100

78 35.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

500

400

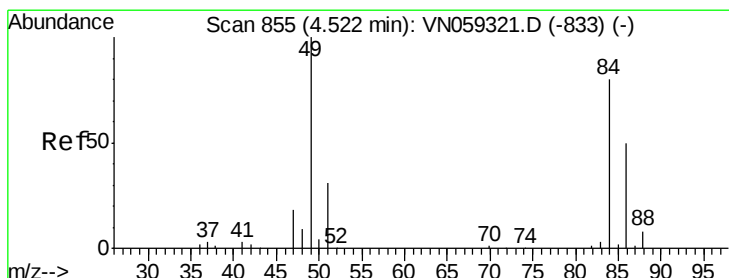
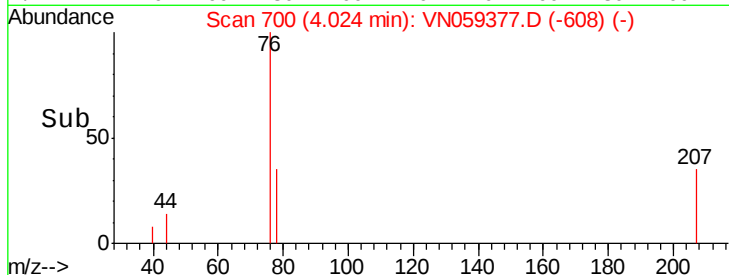
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 0.776 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN059377.D

Acq: 22 Nov 2019 19:48

Tgt Ion: 84 Resp: 3336

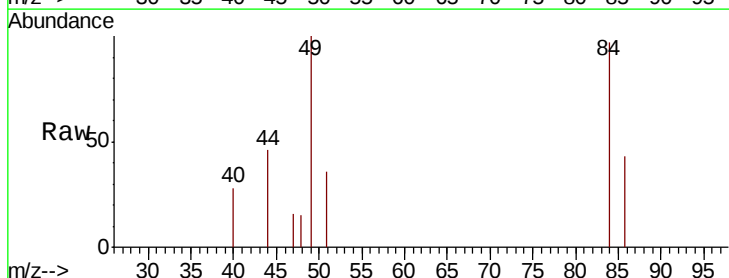
Ion Ratio Lower Upper

84 100

49 103.4 99.5 149.3

51 36.8 31.1 46.7

86 44.4 49.9 74.9#



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

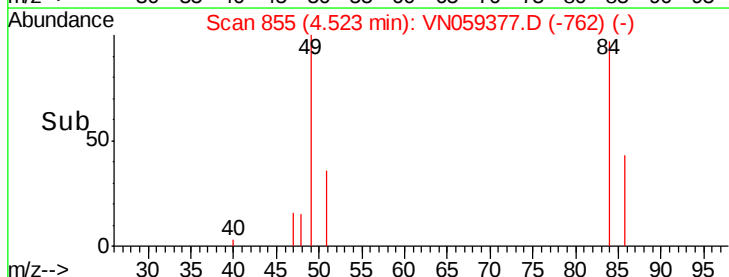
1500

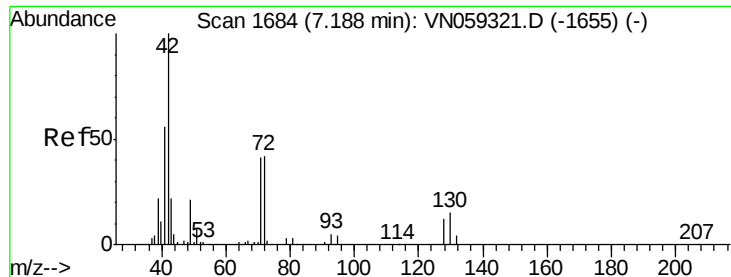
1000

500

0

Time-->





#29

Tetrahydrofuran

Concen: 0.389 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VN059377.D

Acq: 22 Nov 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

PB125021TB

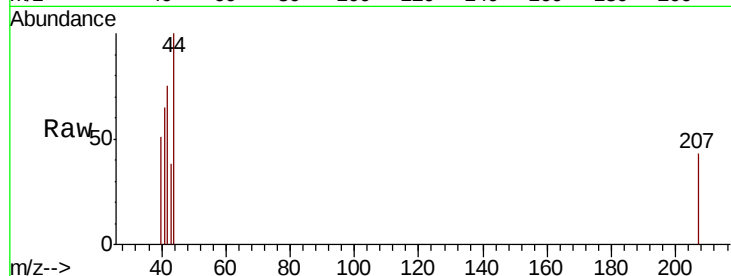
Tot Ion: 42 Resp: 797

Ion Ratio Lower Upper

42 100

72 7.9 34.2 51.2#

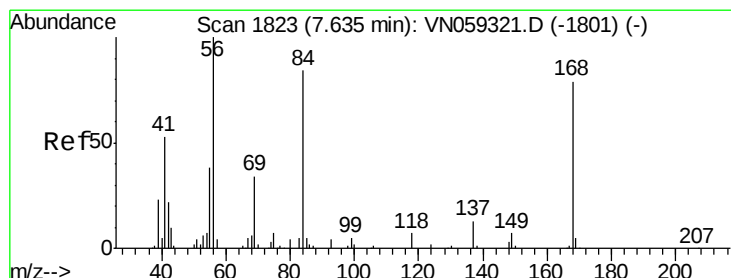
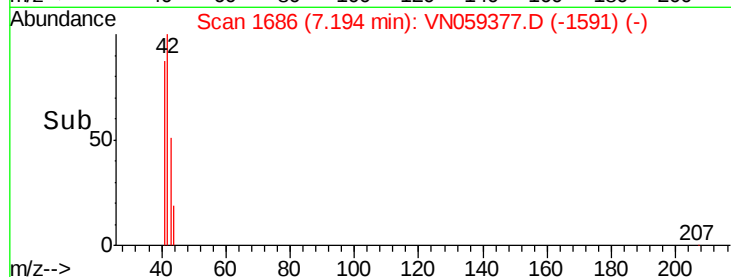
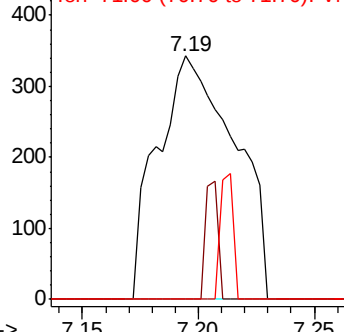
71 8.4 32.6 48.8#



Abundance Ion 42.00 (41.70 to 42.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO



#31

Cyclohexane

Concen: 0.848 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059377.D

Acq: 22 Nov 2019 19:48

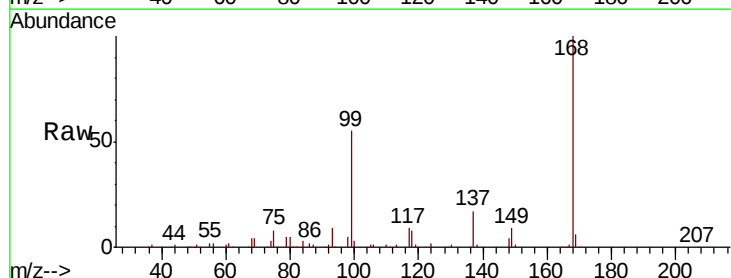
Tgt Ion: 56 Resp: 6344

Ion Ratio Lower Upper

56 100

69 191.6 26.6 40.0#

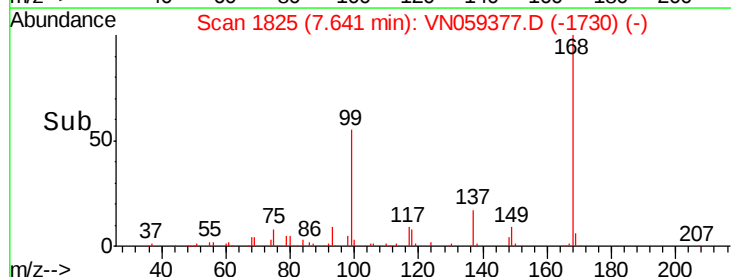
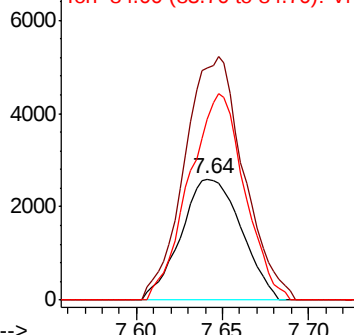
84 148.9 67.0 100.4#

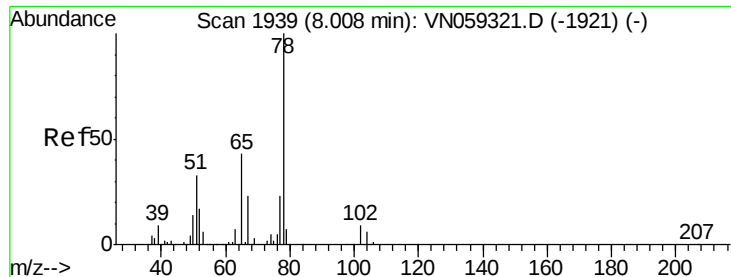


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

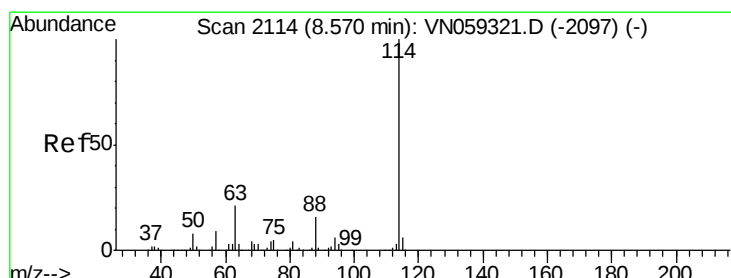
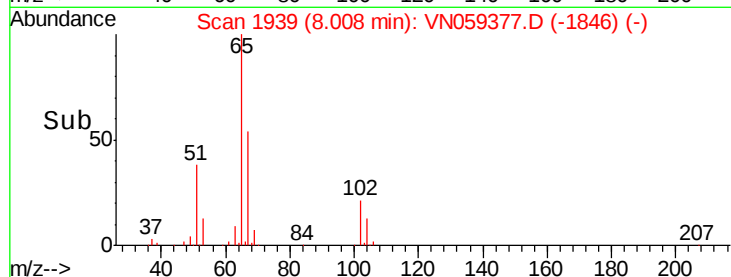
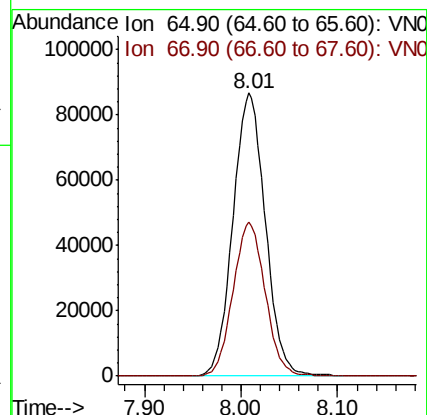
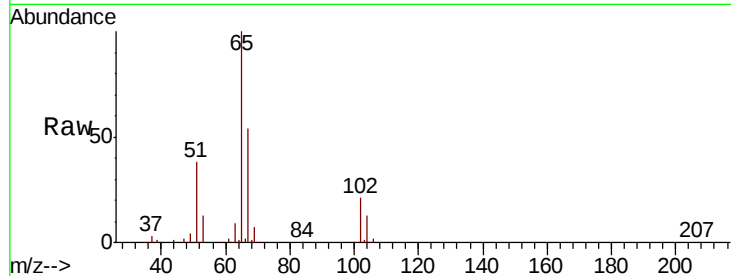




#33
 1,2-Dichloroethane-d4
 Concen: 47.566 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059377.D
 Acq: 22 Nov 2019 19:48

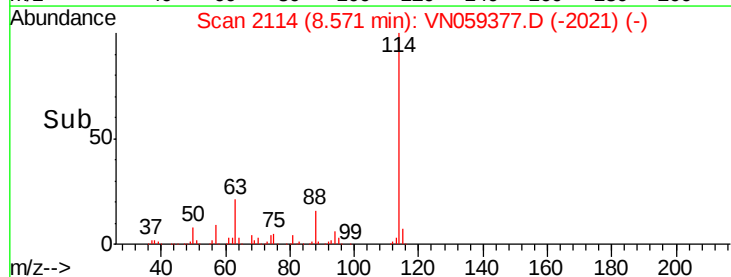
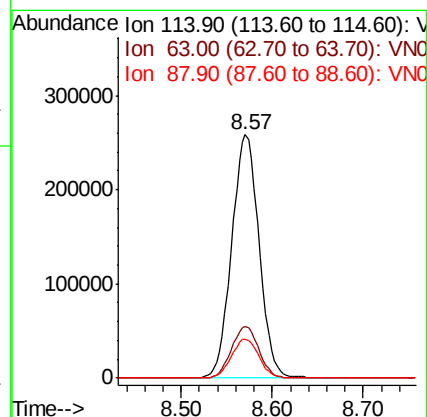
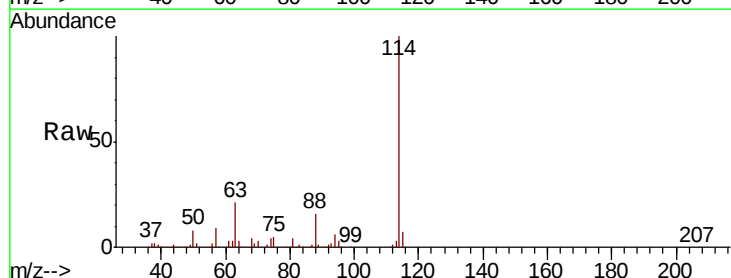
Instrument :
 MSVOA_N
 ClientSampleId :
 PB125021TB

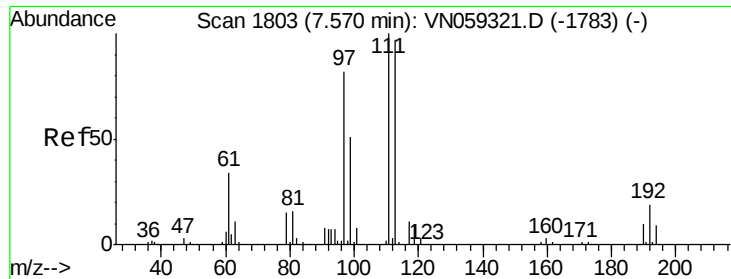
Tot Ion: 65 Resp: 202168
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059377.D
 Acq: 22 Nov 2019 19:48

Tgt Ion: 114 Resp: 540355
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.2
 88 15.9 0.0 32.2

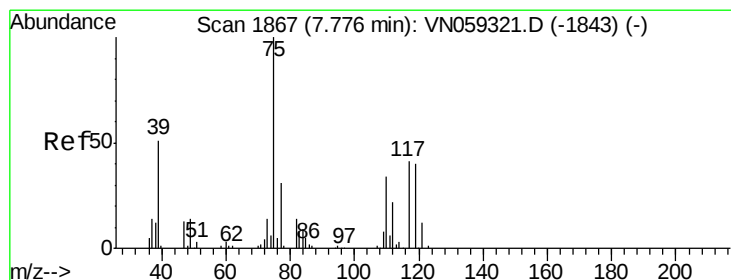
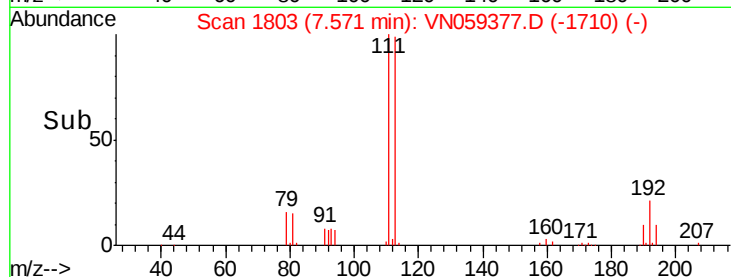
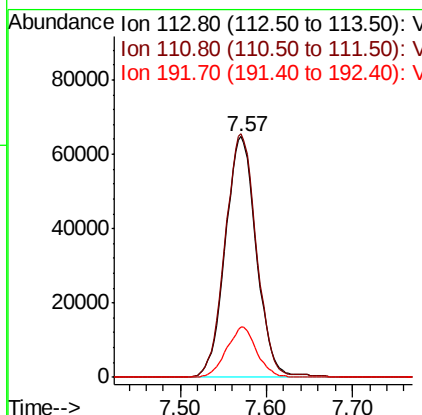
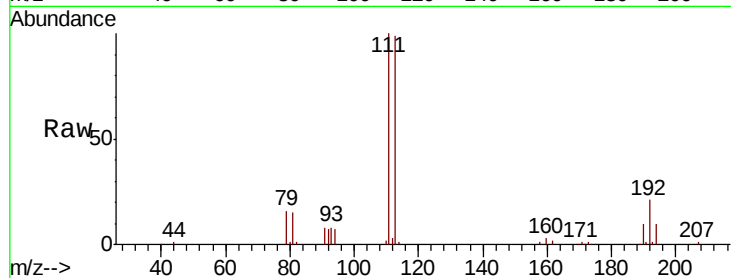




#35
 Dibromofluoromethane
 Concen: 50.051 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059377.D
 Acq: 22 Nov 2019 19:48

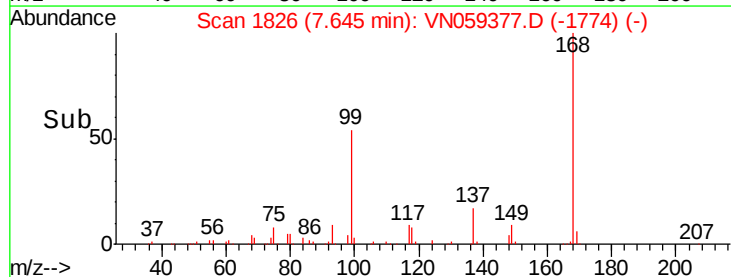
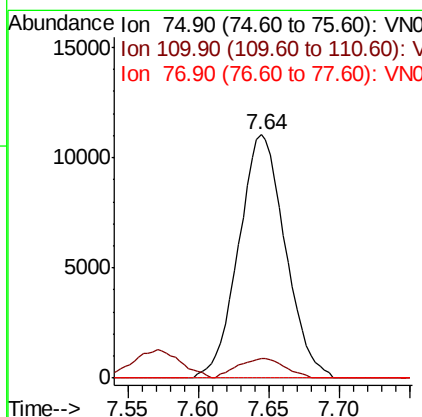
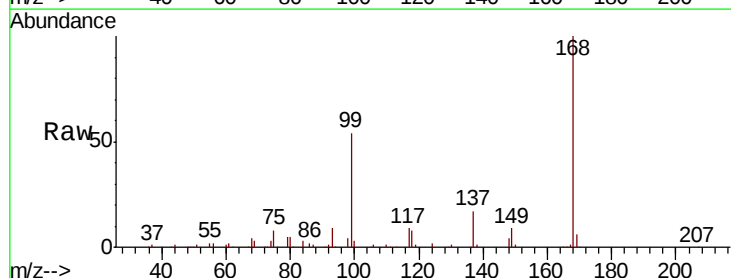
Instrument :
 MSVOA_N
 ClientSampleId :
 PB125021TB

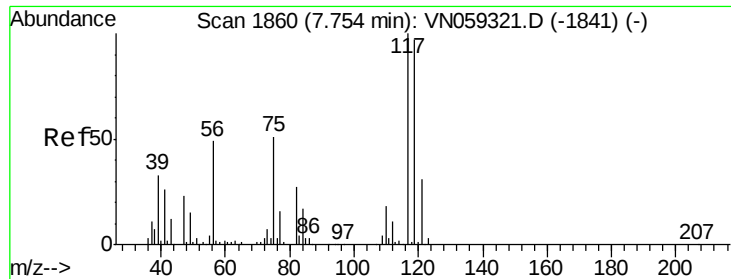
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.7	124.1
192	20.3	16.3	24.5



#36
 1,1-Dichloropropene
 Concen: 4.571 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059377.D
 Acq: 22 Nov 2019 19:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.0	51.0#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.080 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN059377.D

Acq: 22 Nov 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

PB125021TB

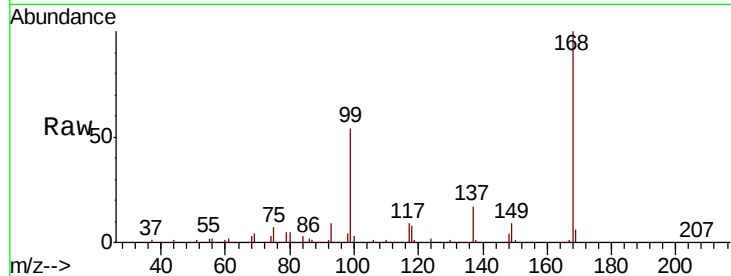
Tot Ion:117 Resp: 32468

Ion Ratio Lower Upper

117 100

119 5.8 77.0 115.4#

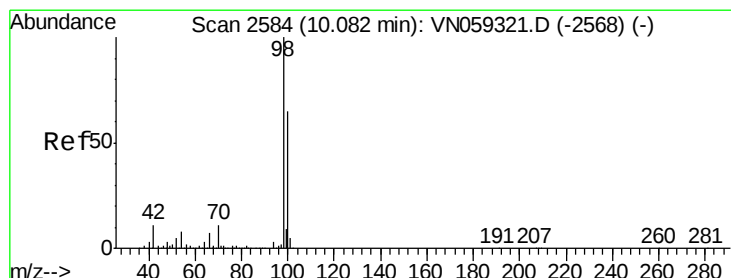
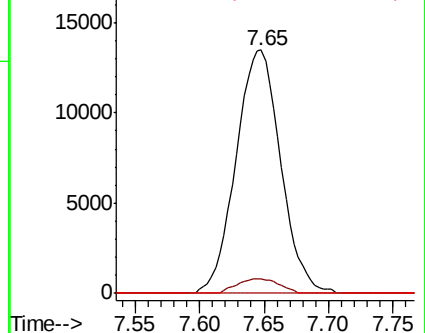
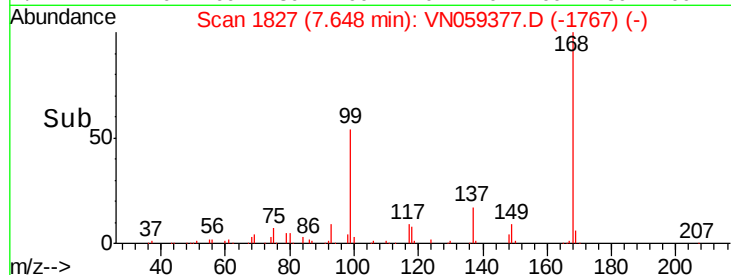
121 0.0 24.4 36.6#



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: 50.851 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059377.D

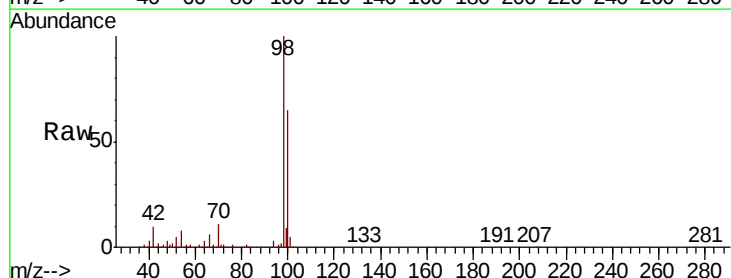
Acq: 22 Nov 2019 19:48

Tgt Ion: 98 Resp: 655356

Ion Ratio Lower Upper

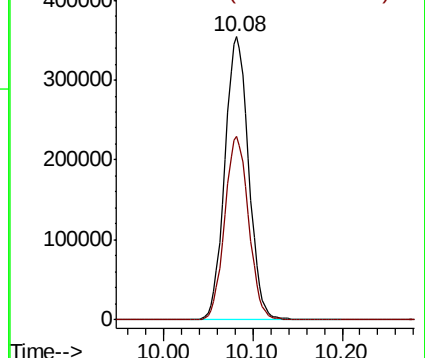
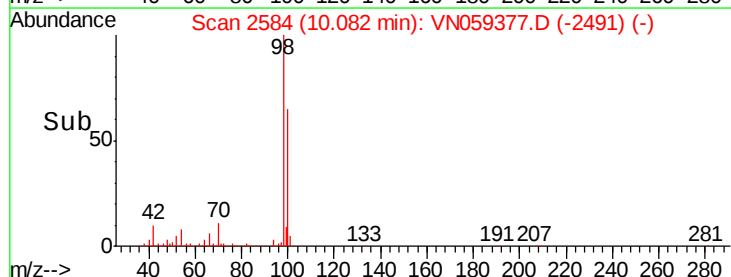
98 100

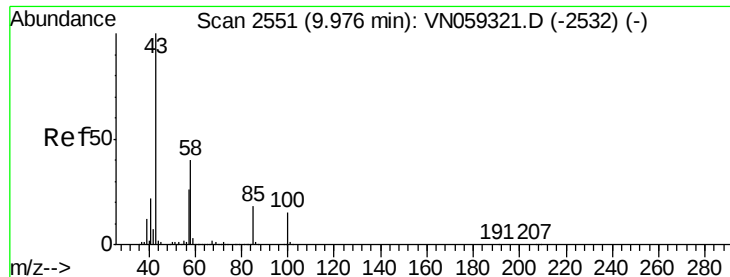
100 65.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.471 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.11 min

Lab File: VN059377.D

Acq: 22 Nov 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

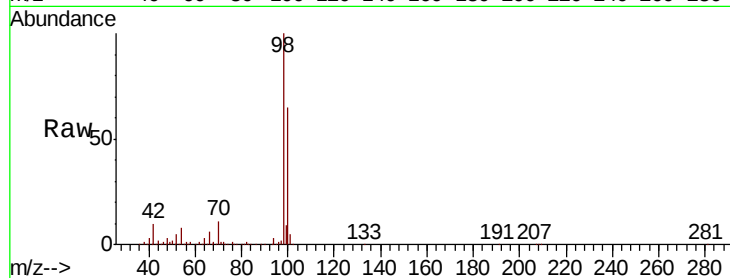
PB125021TB

Tot Ion: 43 Resp: 2526

Ion Ratio Lower Upper

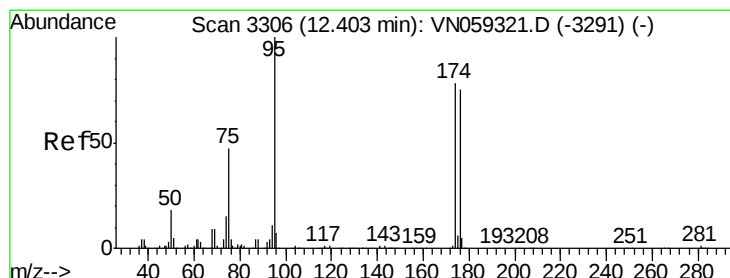
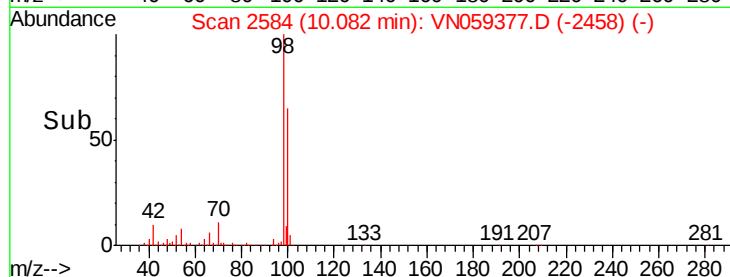
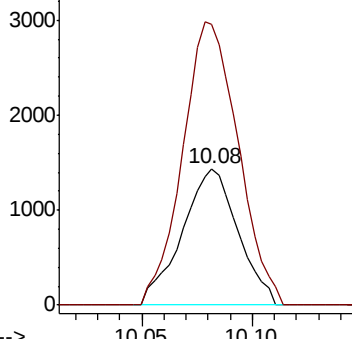
43 100

58 206.2 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN059321.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN059321.D (-2532) (-)



#62

4-Bromofluorobenzene

Concen: 47.407 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059377.D

Acq: 22 Nov 2019 19:48

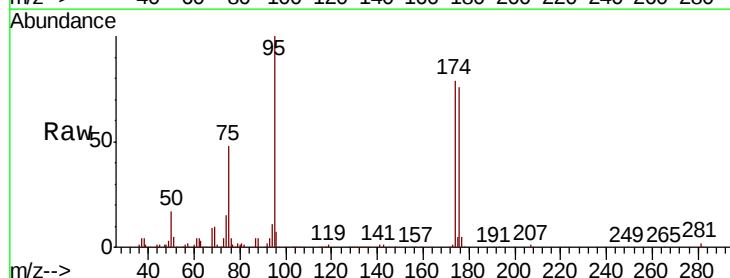
Tgt Ion: 95 Resp: 213628

Ion Ratio Lower Upper

95 100

174 80.2 0.0 157.4

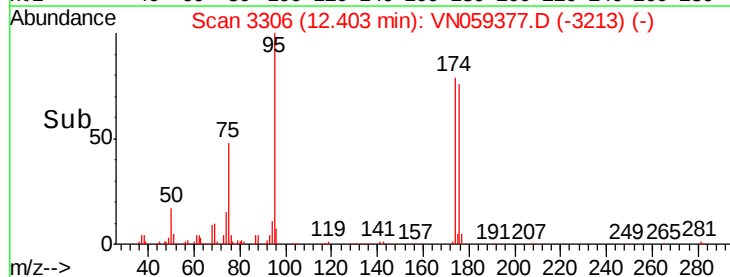
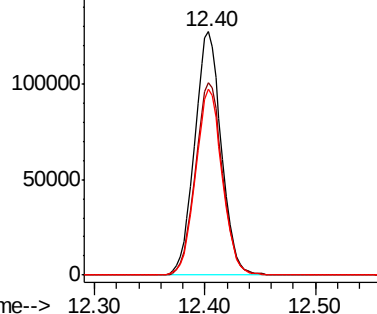
176 76.3 0.0 151.2

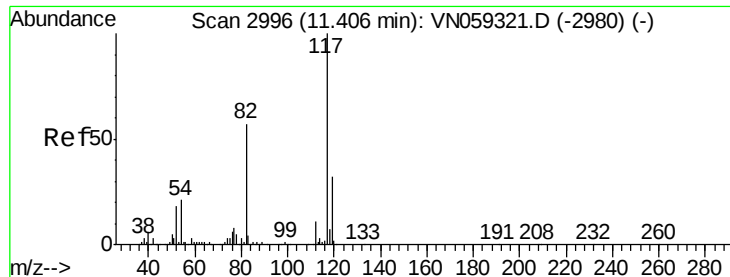


Abundance Ion 94.90 (94.60 to 95.60): VN059321.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059321.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059321.D (-3291) (-)

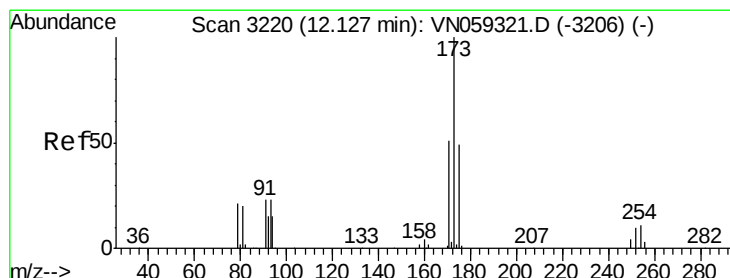
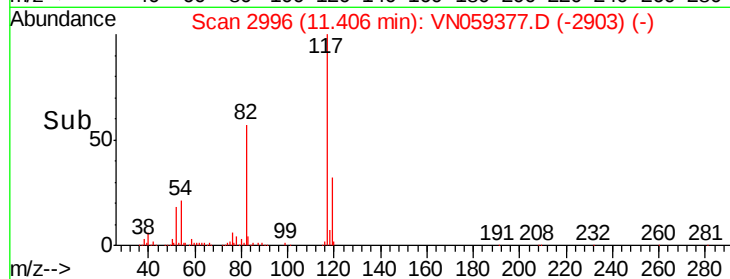
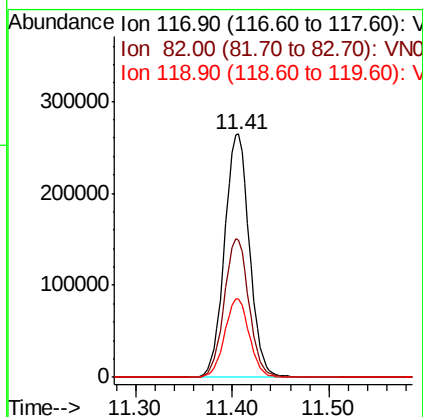
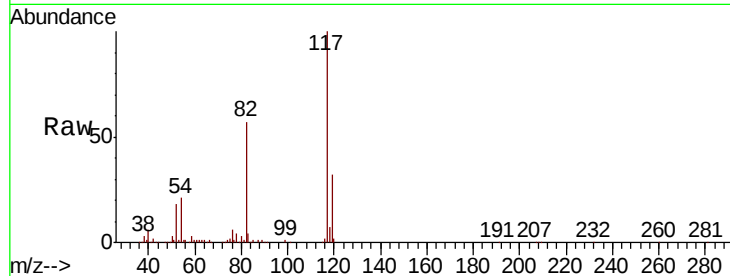




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059377.D
Acq: 22 Nov 2019 19:48

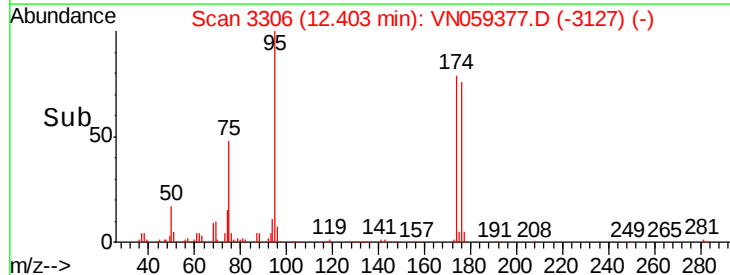
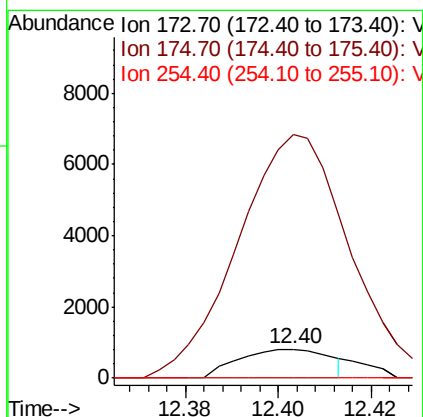
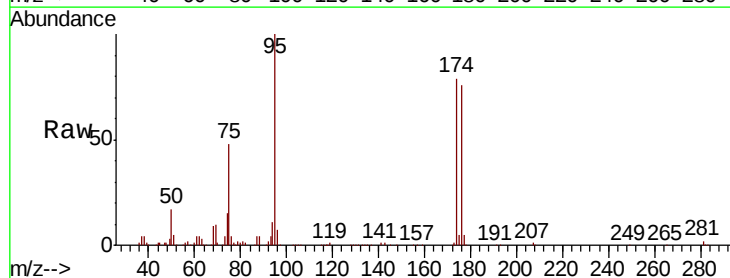
Instrument :
MSVOA_N
ClientSampleId :
PB125021TB

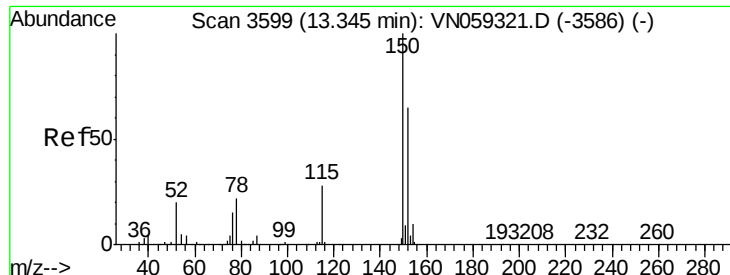
Tot Ion:117 Resp: 472446
Ion Ratio Lower Upper
117 100
82 56.5 45.7 68.5
119 32.0 25.8 38.6



#71
Bromoform
Concen: 0.396 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN059377.D
Acq: 22 Nov 2019 19:48

Tgt Ion:173 Resp: 1107
Ion Ratio Lower Upper
173 100
175 870.4 24.6 73.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059377.D

Acq: 22 Nov 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

PB125021TB

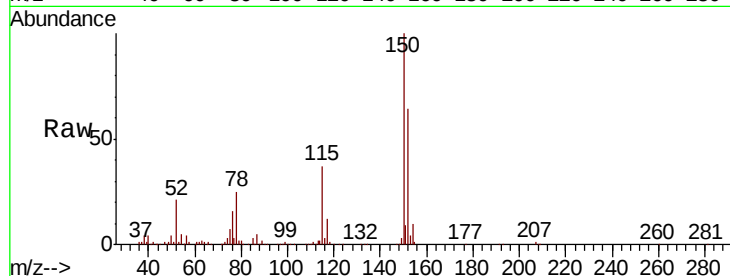
Tot Ion:152 Resp: 182531

Ion Ratio Lower Upper

152 100

115 58.0 29.3 88.0

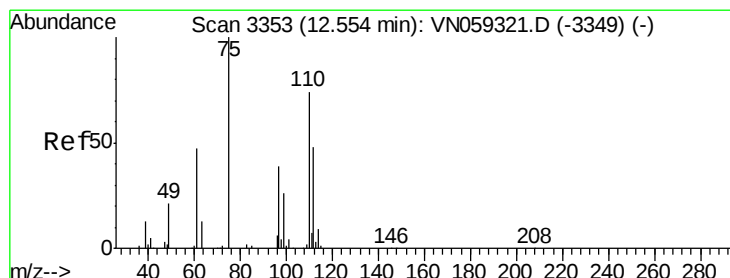
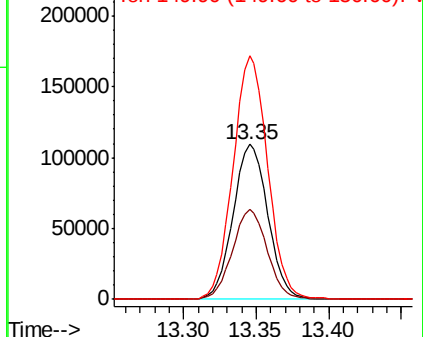
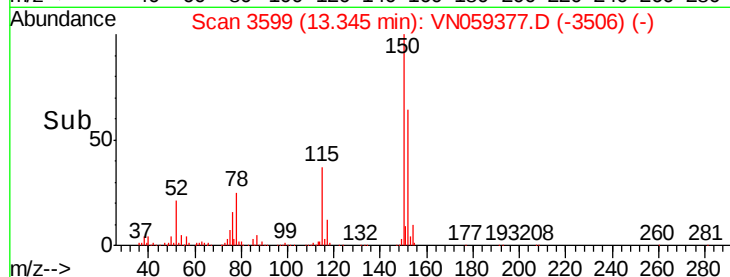
150 156.5 0.0 346.0



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: 24.773 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059377.D

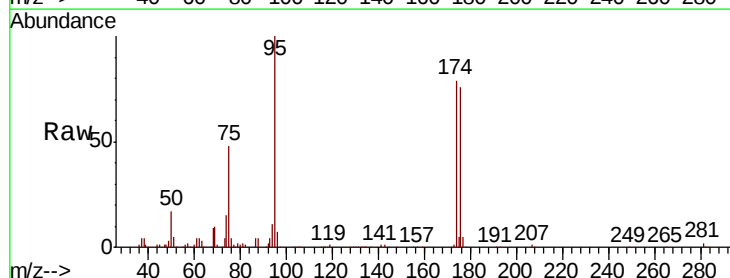
Acq: 22 Nov 2019 19:48

Tgt Ion: 75 Resp: 104465

Ion Ratio Lower Upper

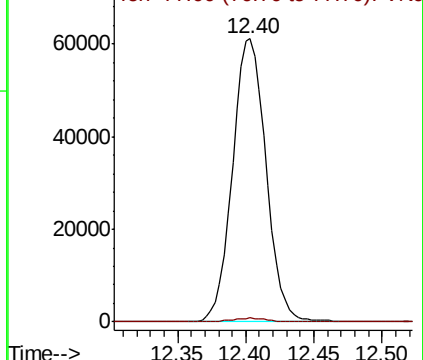
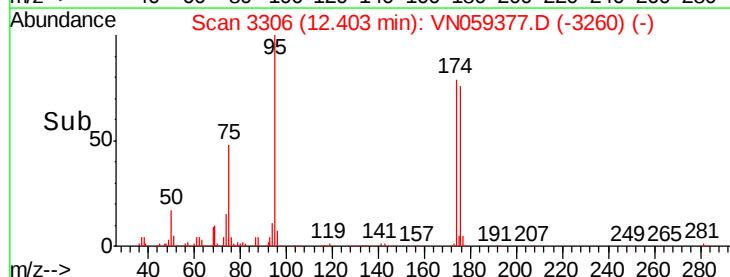
75 100

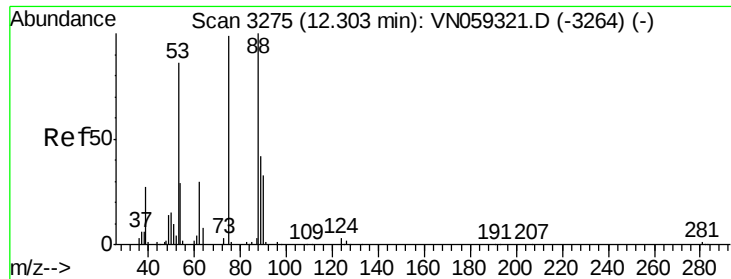
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

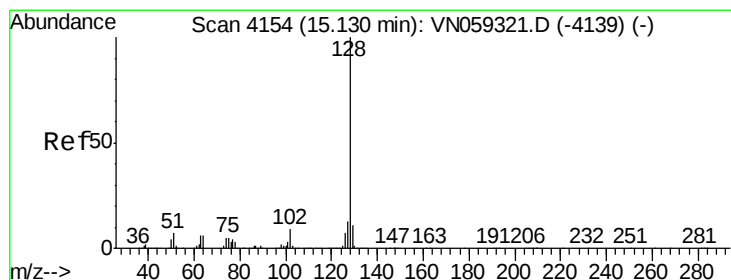
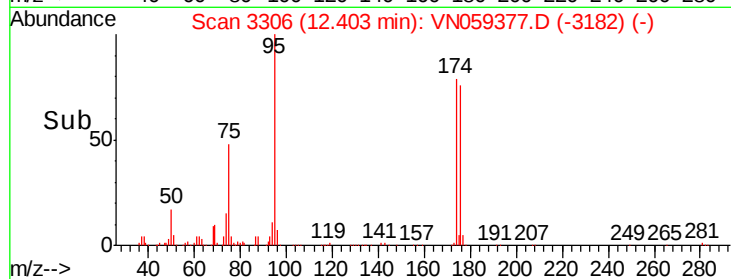
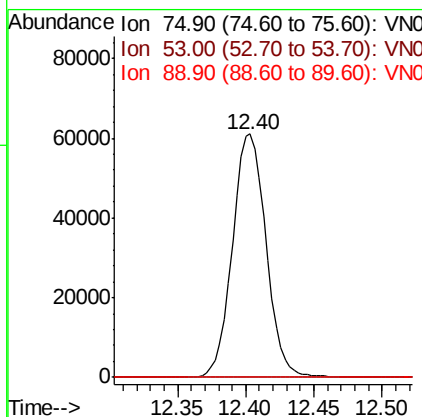
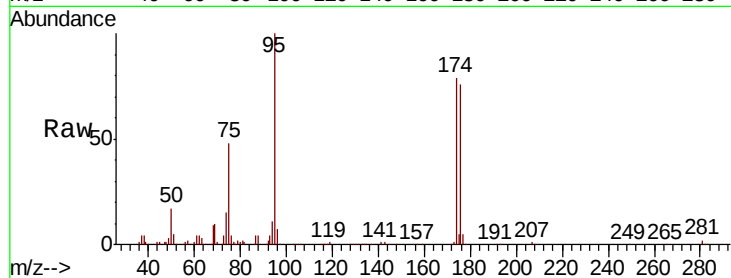




#81
trans-1,4-Dichloro-2-butene
Concen: 61.961 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN059377.D
Acq: 22 Nov 2019 19:48

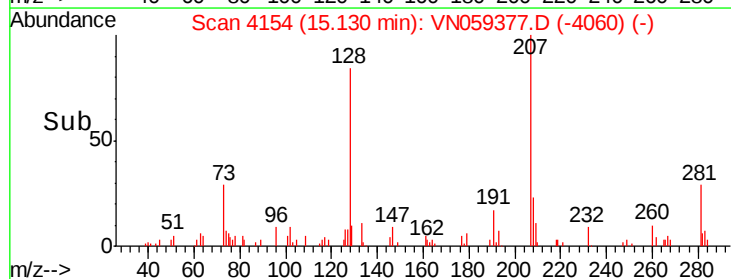
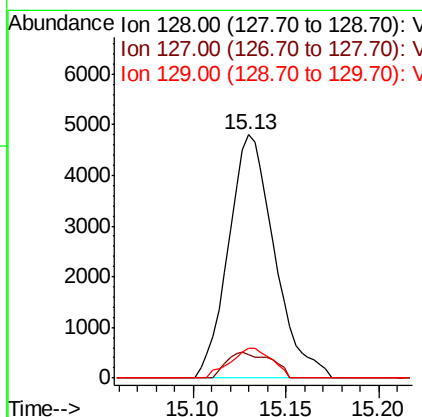
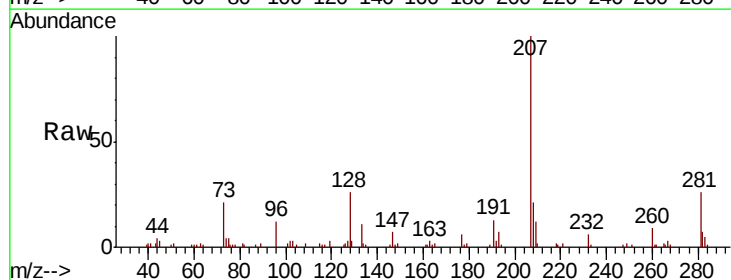
Instrument :
MSVOA_N
ClientSampleId :
PB125021TB

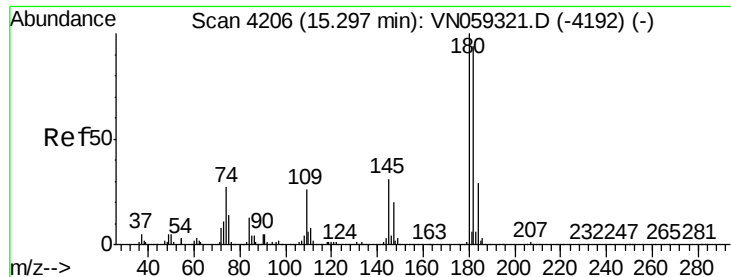
Tot Ion: 75 Resp: 104465
Ion Ratio Lower Upper
75 100
53 0.0 70.7 106.1#
89 0.0 35.4 53.0#



#95
Naphthalene
Concen: 3.887 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059377.D
Acq: 22 Nov 2019 19:48

Tgt Ion: 128 Resp: 8262
Ion Ratio Lower Upper
128 100
127 10.3 10.2 15.2
129 11.1 8.6 13.0

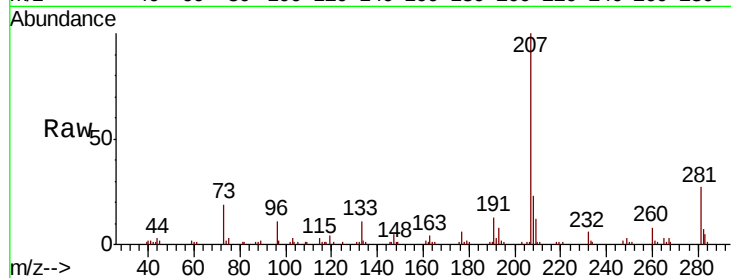




#96
 1,2,3-Trichlorobenzene
 Concen: 1.909 ug/l
 RT: 15.49 min Scan# 4265
 Delta R.T. 0.19 min
 Lab File: VN059377.D
 Acq: 22 Nov 2019 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 PB125021TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.1	141.4#
145	582.8	15.6	46.8#



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

