

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041420\
 Data File : VN060937.D
 Acq On : 14 Apr 2020 16:37
 Operator : JC/MD
 Sample : PB128161TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB128161TB

Quant Time: Apr 15 07:47:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	149301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	254202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	240254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	107473	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	98116	47.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.74%	
35) Dibromofluoromethane	7.56	113	73685	47.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.88%	
50) Toluene-d8	10.08	98	315062	50.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.40	95	119075	51.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.50%	

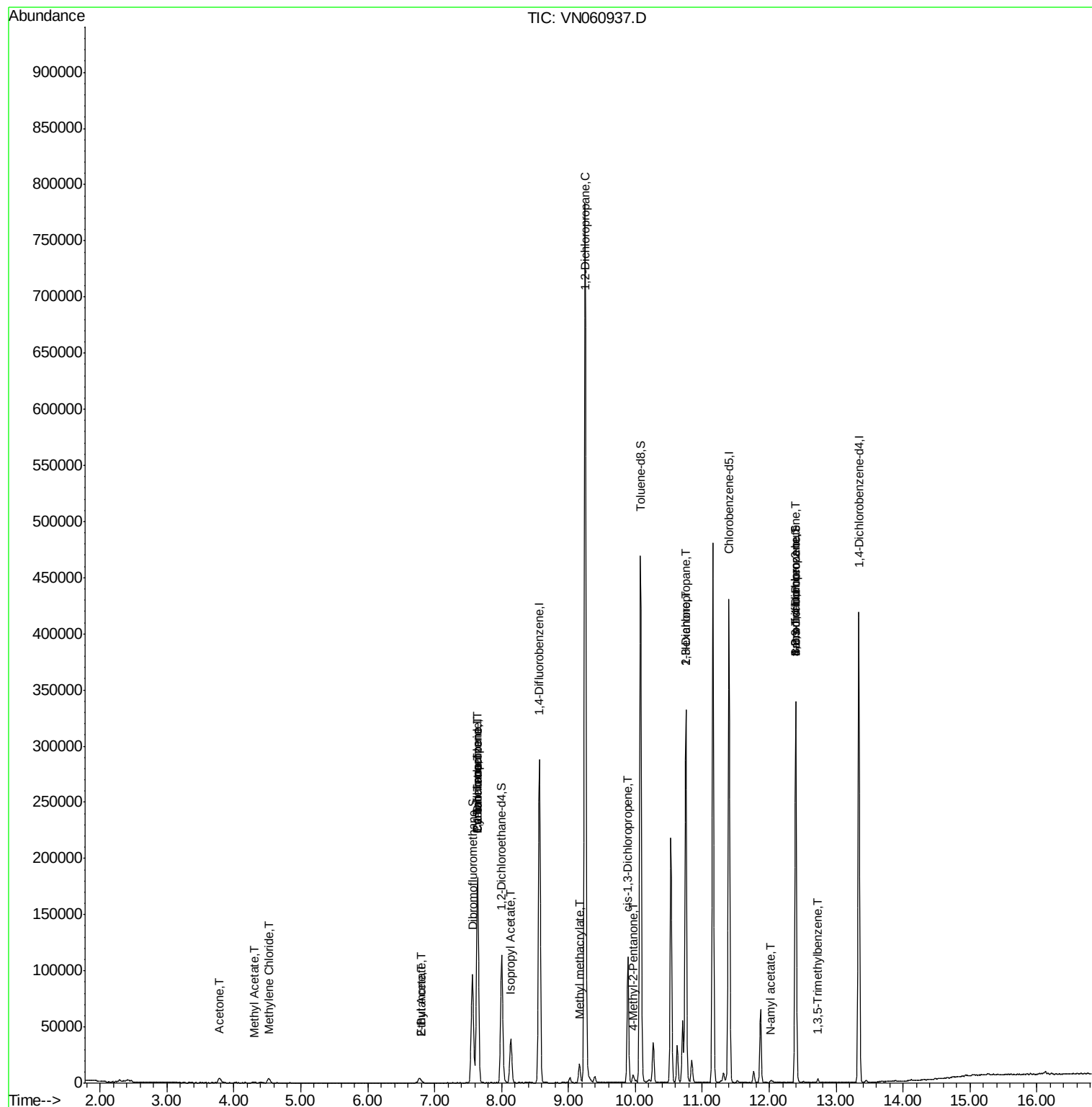
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	8038	11.072	ug/l	99
18) Methyl Acetate	4.30	43	1247	0.610	ug/l #	54
20) Methylene Chloride	4.51	84	1366	0.765	ug/l	87
25) 2-Butanone	6.81	43	2273	1.935	ug/l #	50
31) Cyclohexane	7.64	56	3140	0.951	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12021	4.884	ug/l #	49
37) Ethyl Acetate	6.81	43	2273	0.855	ug/l #	70
38) Carbon Tetrachloride	7.64	117	14676	6.652	ug/l #	16
43) Isopropyl Acetate	8.14	43	47255	10.773	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	781	0.398	ug/l #	43
48) Methyl methacrylate	9.16	41	2510	1.285	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4457	1.786	ug/l	100
54) cis-1,3-Dichloropropene	9.89	75	19548	6.298	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	3213	1.072	ug/l #	42
59) 2-Hexanone	10.75	43	48352	26.892	ug/l #	52
71) Bromoform	12.40	173	188	1.807	ug/l #	1
74) N-amyl acetate	12.02	43	2895	0.777	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	61248	26.411	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2339	0.342	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	61248	67.831	ug/l #	13

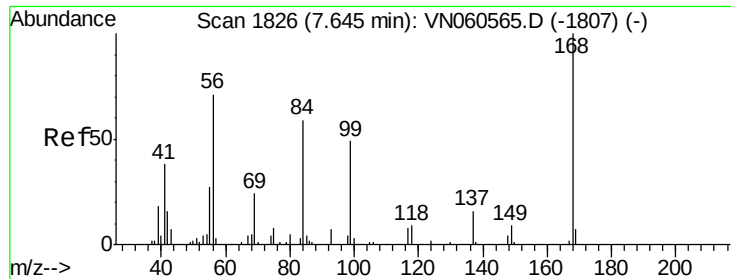
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041420\
Data File : VN060937.D
Acq On : 14 Apr 2020 16:37
Operator : JC/MD
Sample : PB128161TB
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB128161TB

Quant Time: Apr 15 07:47:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060937.D

Acq: 14 Apr 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

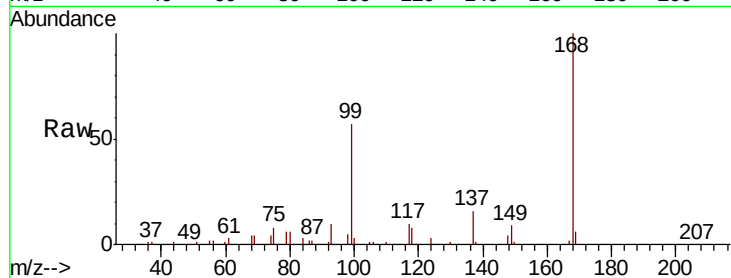
PB128161TB

Tot Ion:168 Resp: 149301

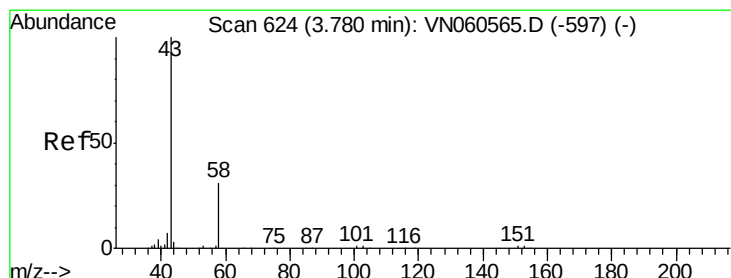
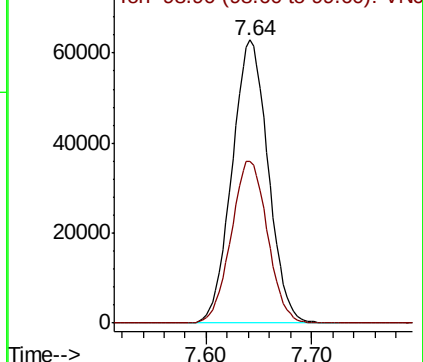
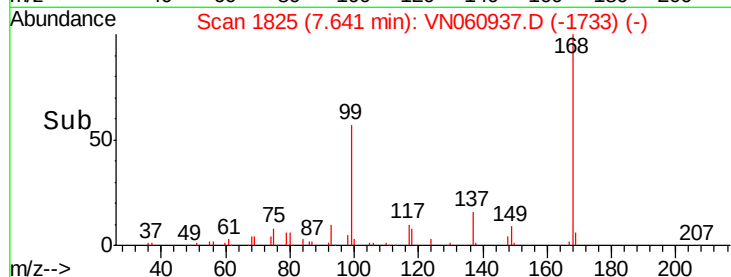
Ion Ratio Lower Upper

168 100

99 57.3 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060937.D (-1733) (-)



#16

Acetone

Concen: 11.072 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060937.D

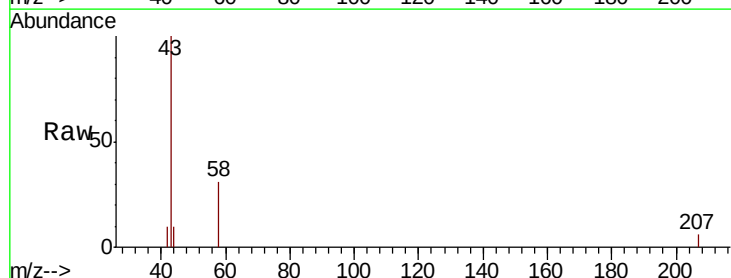
Acq: 14 Apr 2020 16:37

Tgt Ion: 43 Resp: 8038

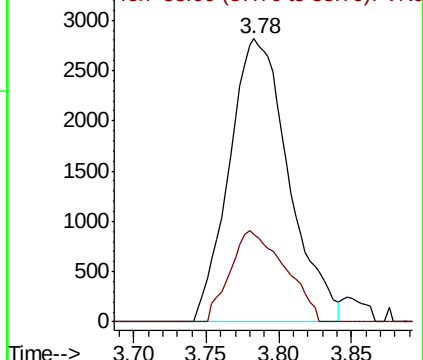
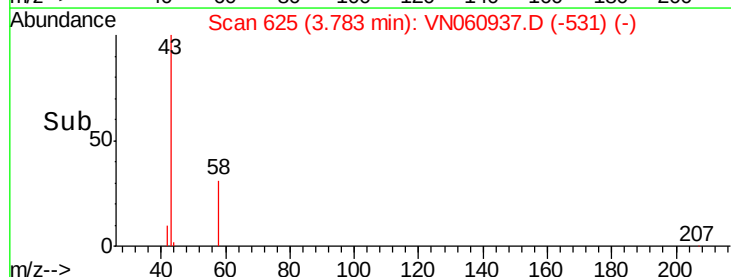
Ion Ratio Lower Upper

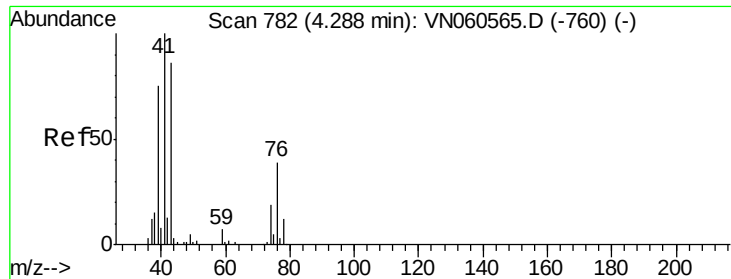
43 100

58 31.1 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060937.D (-531) (-)

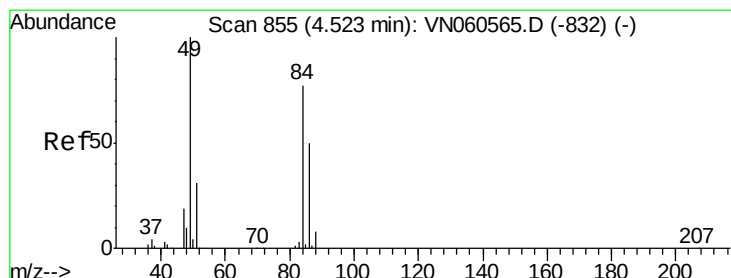
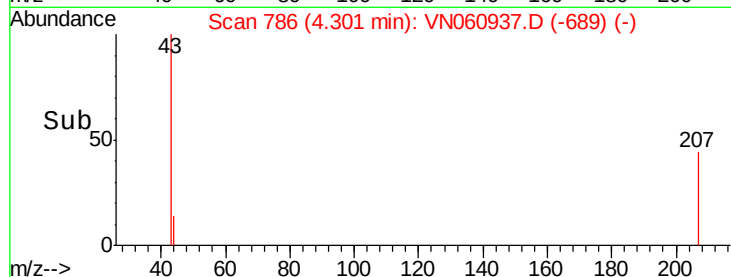
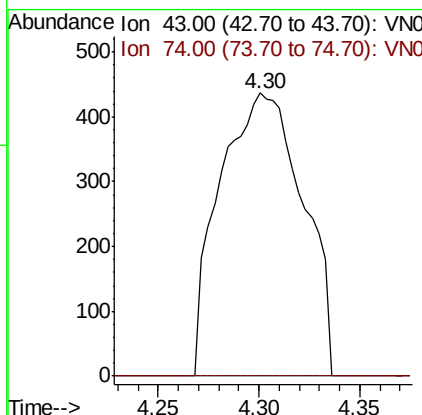
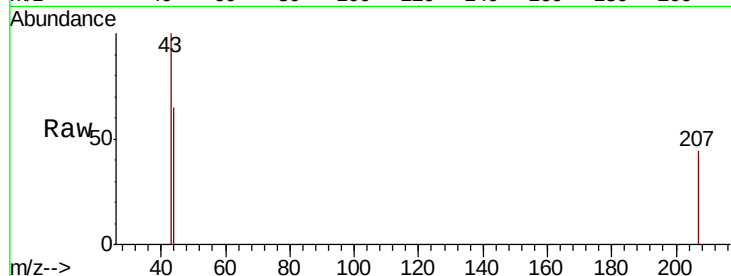




#18
Methyl Acetate
Concen: 0.610 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060937.D
Acq: 14 Apr 2020 16:37

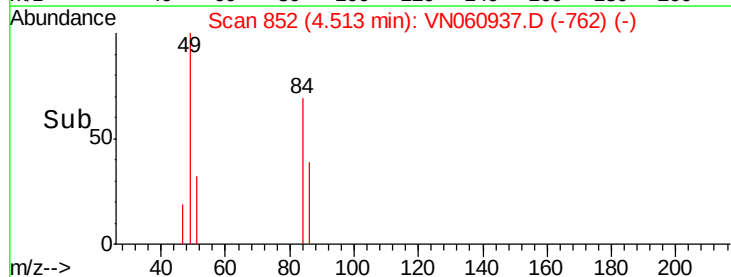
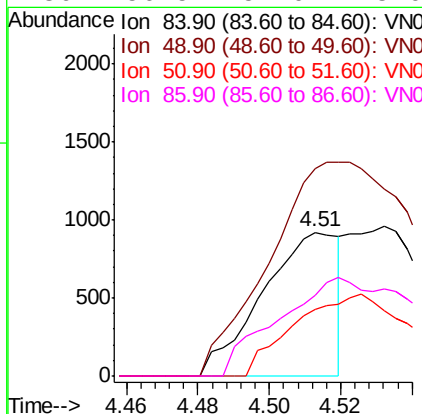
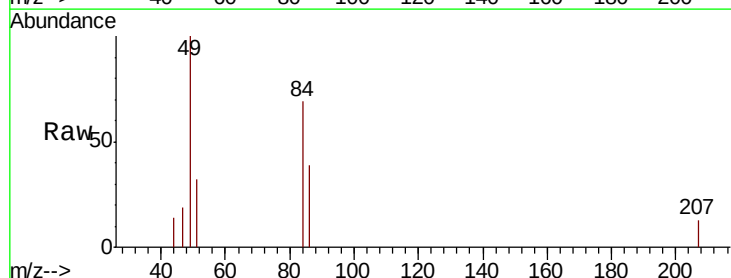
Instrument :
MSVOA_N
ClientSampleId :
PB128161TB

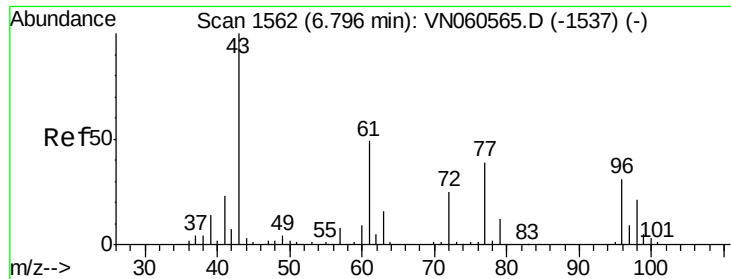
Tot Ion: 43 Resp: 1247
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 0.765 ug/l
RT: 4.51 min Scan# 852
Delta R.T. -0.01 min
Lab File: VN060937.D
Acq: 14 Apr 2020 16:37

Tgt Ion: 84 Resp: 1366
Ion Ratio Lower Upper
84 100
49 144.8 103.3 154.9
51 46.8 31.6 47.4
86 56.5 52.0 78.0

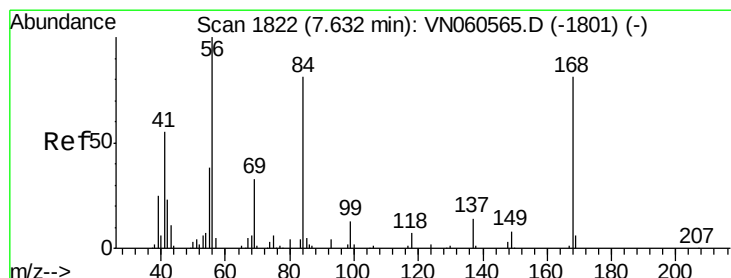
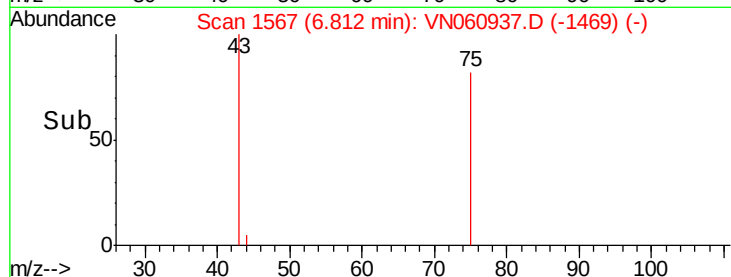
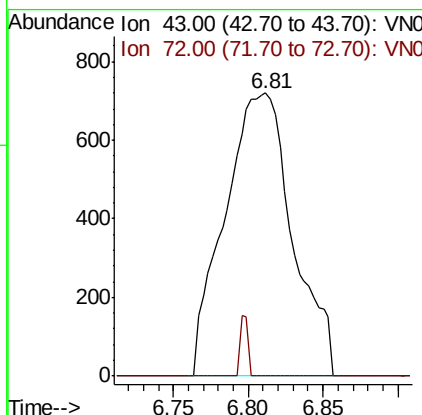
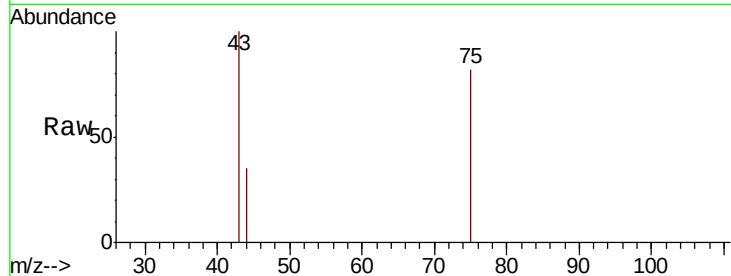




#25
 2-Butanone
 Concen: 1.935 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.02 min
 Lab File: VN060937.D
 Acq: 14 Apr 2020 16:37

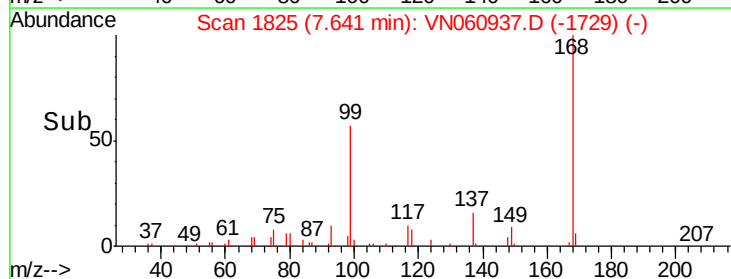
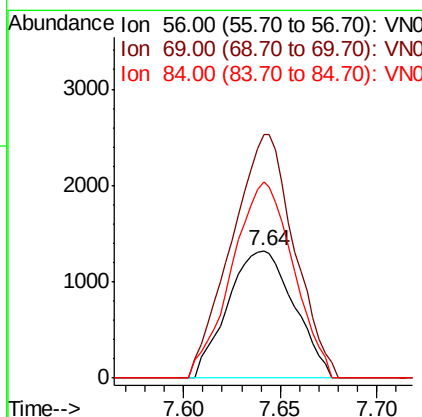
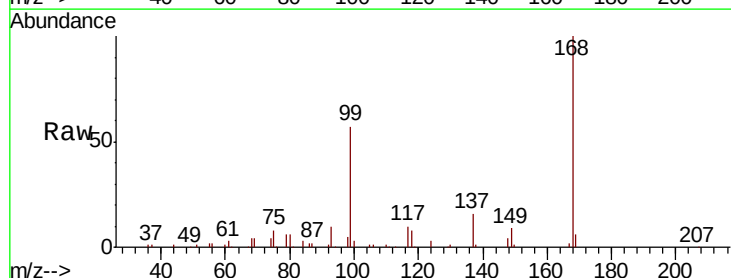
Instrument :
 MSVOA_N
 ClientSampleId :
 PB128161TB

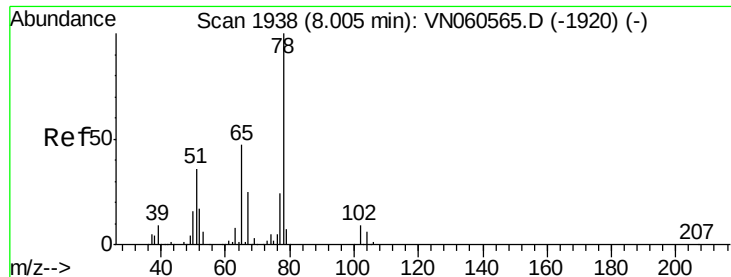
Tot Ion: 43 Resp: 2273
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.4 30.6#



#31
 Cyclohexane
 Concen: 0.951 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. 0.01 min
 Lab File: VN060937.D
 Acq: 14 Apr 2020 16:37

Tgt Ion: 56 Resp: 3140
 Ion Ratio Lower Upper
 56 100
 69 190.5 26.6 40.0#
 84 153.8 64.3 96.5#

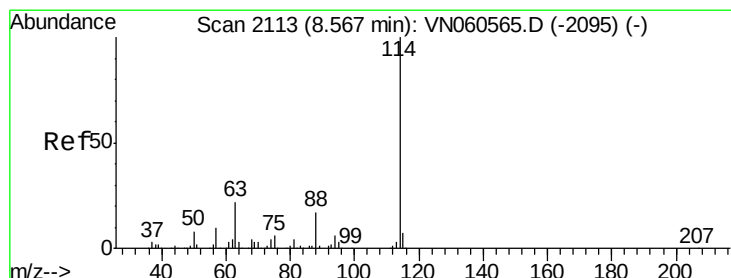
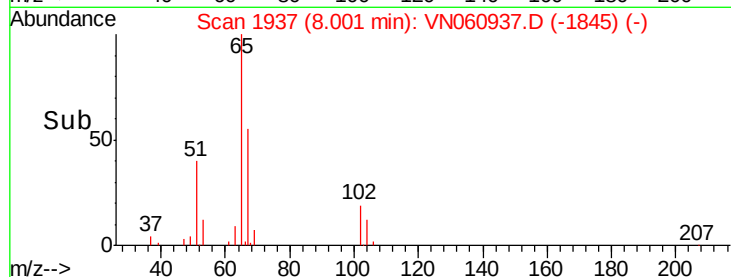
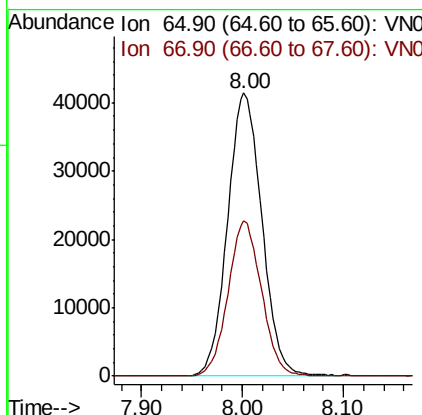
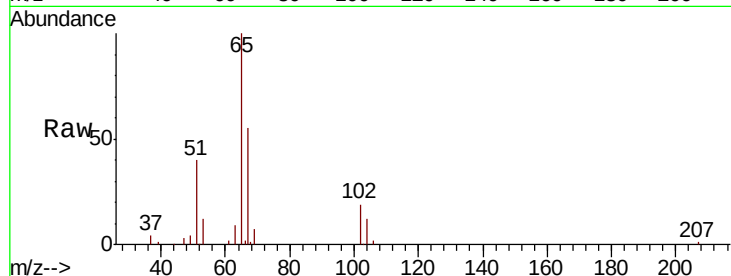




#33
 1,2-Dichloroethane-d4
 Concen: 47.872 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060937.D
 Acq: 14 Apr 2020 16:37

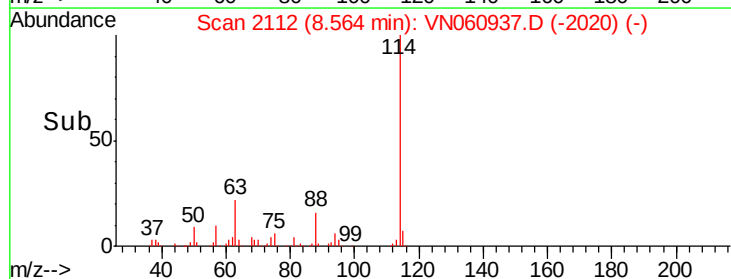
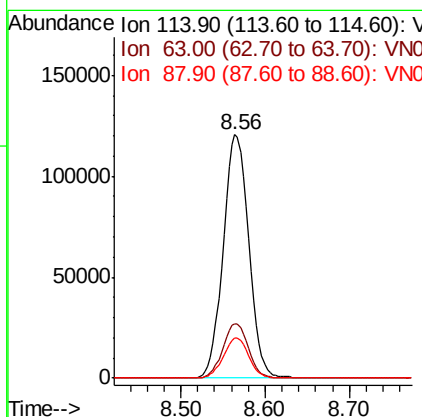
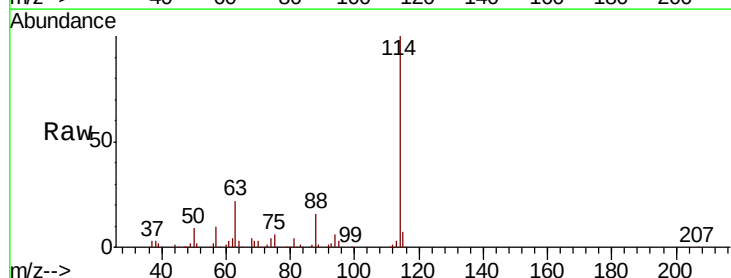
Instrument :
 MSVOA_N
 ClientSampleId :
 PB128161TB

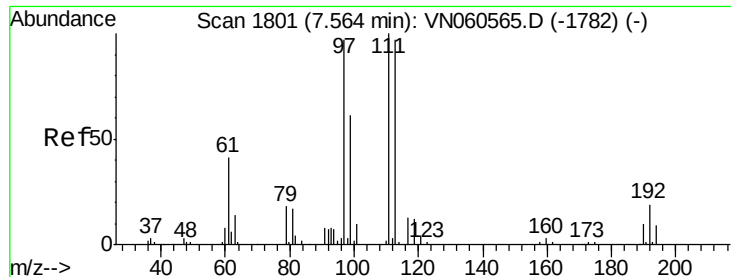
Tot Ion: 65 Resp: 98116
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060937.D
 Acq: 14 Apr 2020 16:37

Tgt Ion: 114 Resp: 254202
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 16.5 0.0 33.0





#35

Dibromofluoromethane

Concen: 47.938 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060937.D

Acq: 14 Apr 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

PB128161TB

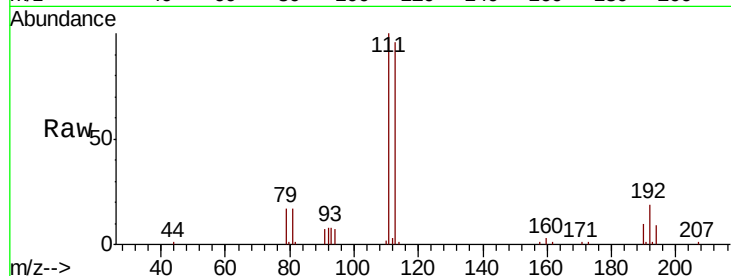
Tot Ion:113 Resp: 73685

Ion Ratio Lower Upper

113 100

111 103.6 82.9 124.3

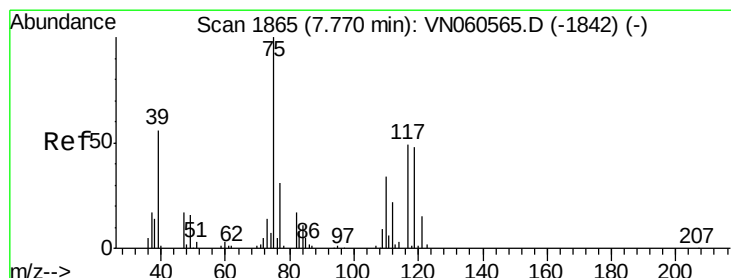
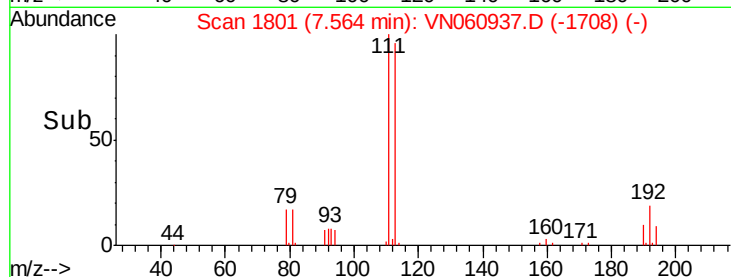
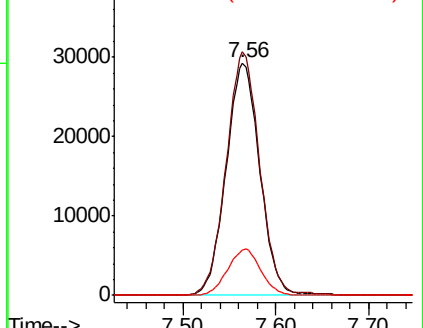
192 19.5 15.8 23.8



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: 4.884 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060937.D

Acq: 14 Apr 2020 16:37

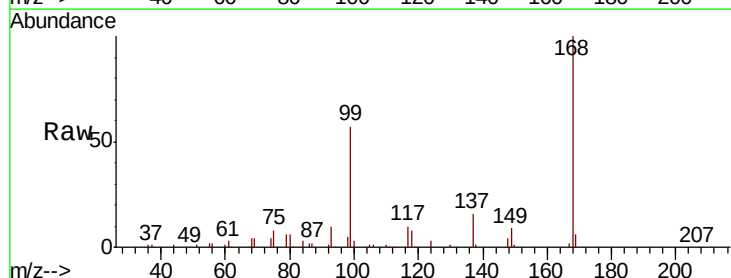
Tgt Ion: 75 Resp: 12021

Ion Ratio Lower Upper

75 100

110 7.1 16.9 50.6#

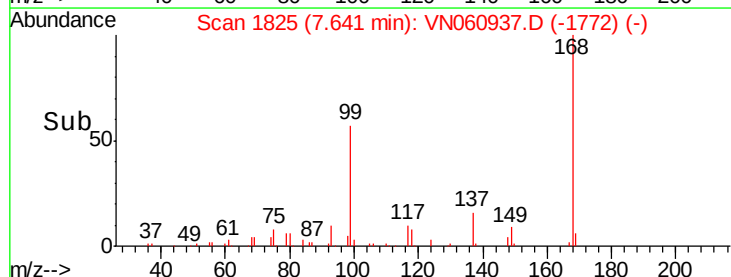
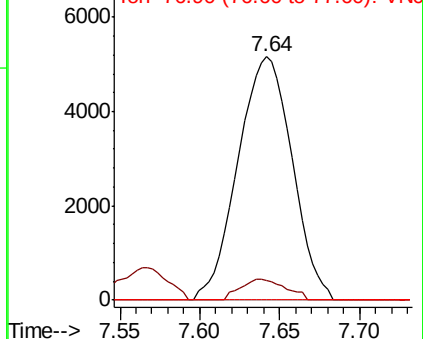
77 0.0 24.6 36.8#

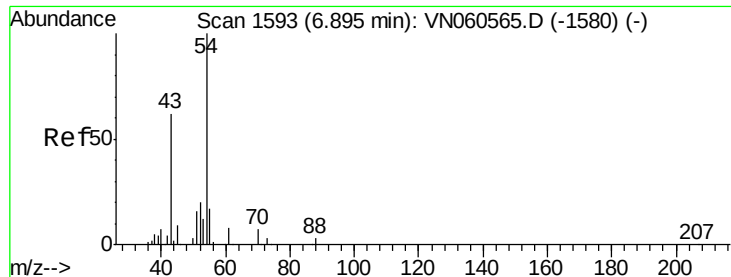


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#37

Ethyl Acetate

Concen: 0.855 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.08 min

Lab File: VN060937.D

Acq: 14 Apr 2020 16:37

Instrument :

MSVOA_N

ClientSampled :

PB128161TB

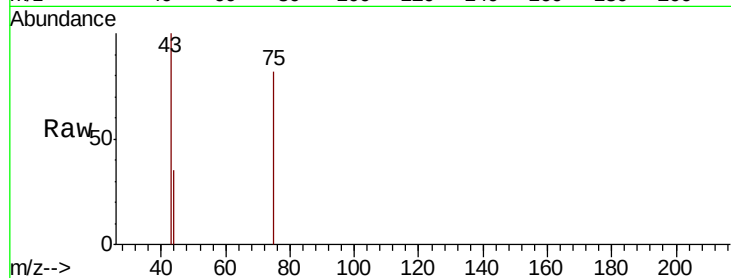
Tot Ion: 43 Resp: 2273

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

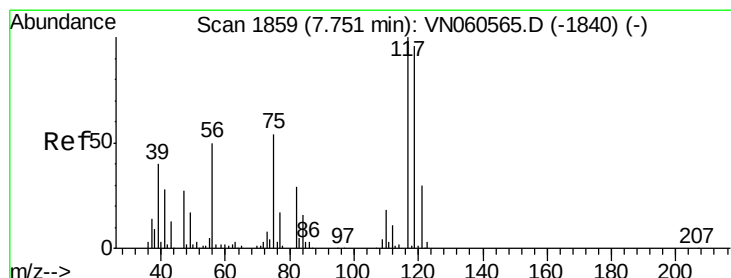
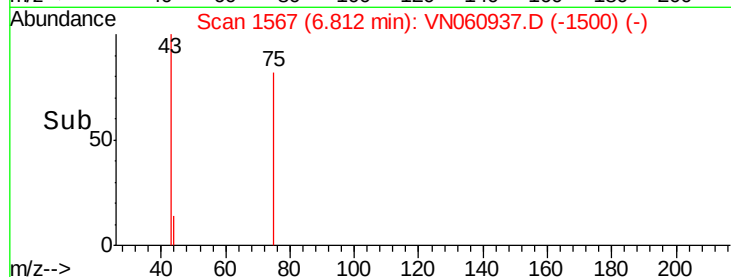
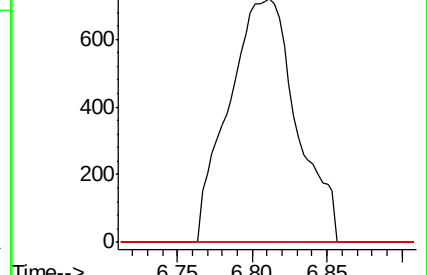
70 0.0 7.9 11.9#



Abundance Ion 43.00 (42.70 to 43.70): VN060937.D (-1567) (-)

Ion 60.90 (60.60 to 61.60): VN060937.D (-1567) (-)

Ion 70.00 (69.70 to 70.70): VN060937.D (-1567) (-)



#38

Carbon Tetrachloride

Concen: 6.652 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060937.D

Acq: 14 Apr 2020 16:37

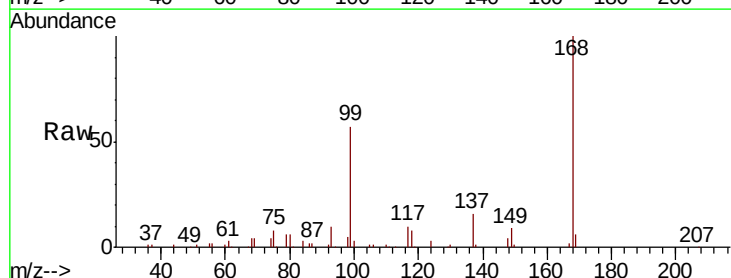
Tgt Ion: 117 Resp: 14676

Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.2#

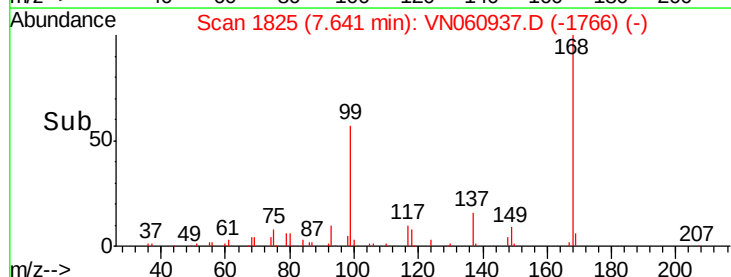
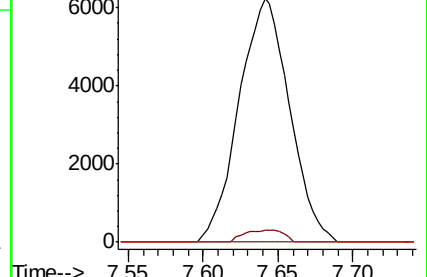
121 0.0 23.7 35.5#

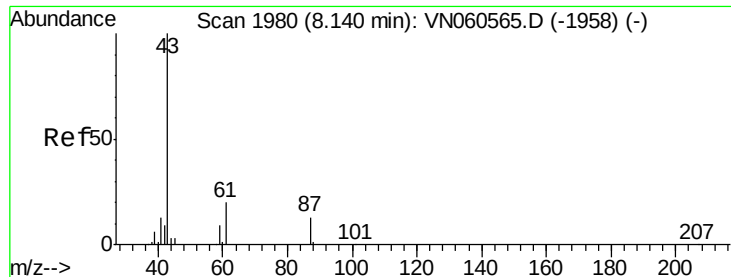


Abundance Ion 116.80 (116.50 to 117.50): VN060937.D (-1825) (-)

Ion 118.80 (118.50 to 119.50): VN060937.D (-1825) (-)

Ion 120.80 (120.50 to 121.50): VN060937.D (-1825) (-)





#43

Isopropyl Acetate

Concen: 10.773 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060937.D

Acq: 14 Apr 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

PB128161TB

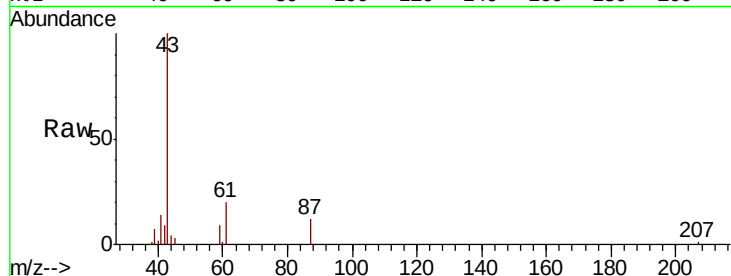
Tot Ion: 43 Resp: 47255

Ion Ratio Lower Upper

43 100

61 19.9 20.7 31.1#

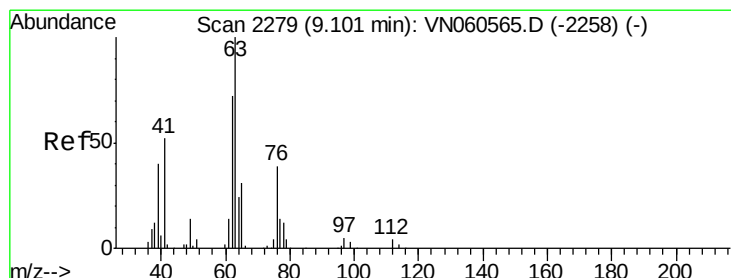
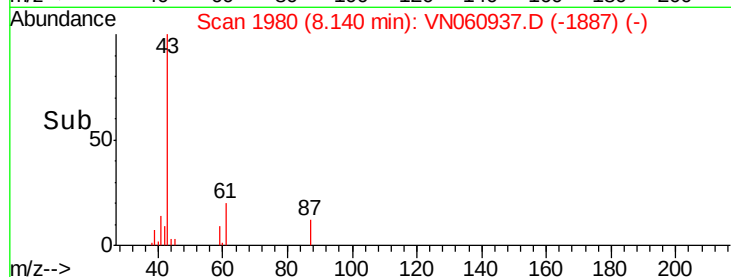
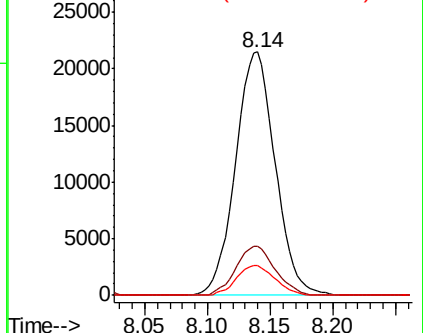
87 11.9 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060937.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060937.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060937.D (-1887) (-)



#45

1,2-Dichloropropane

Concen: 0.398 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060937.D

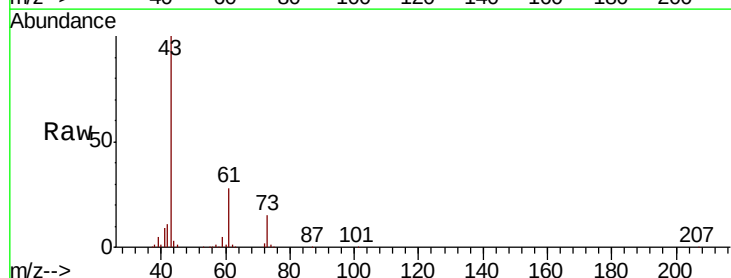
Acq: 14 Apr 2020 16:37

Tgt Ion: 63 Resp: 781

Ion Ratio Lower Upper

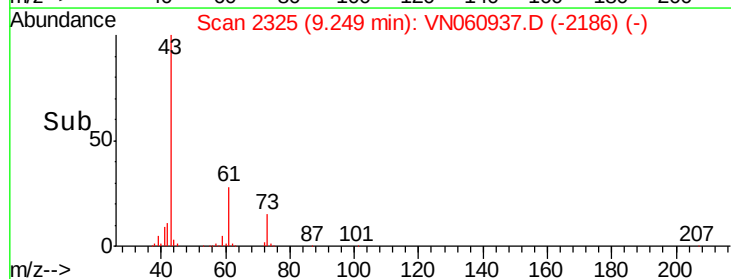
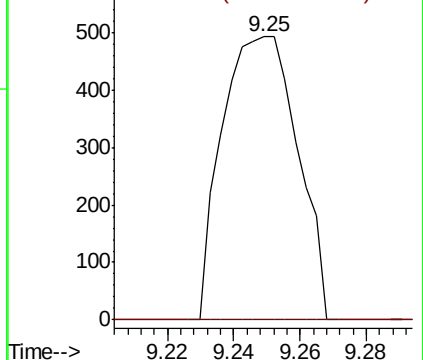
63 100

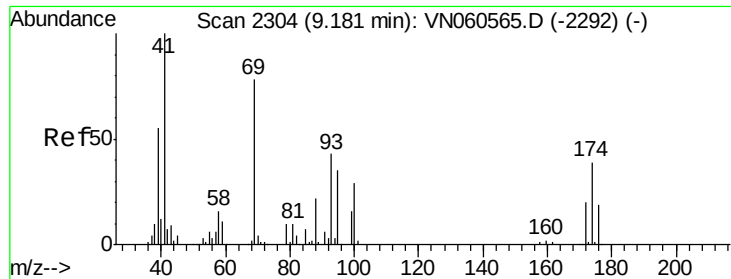
65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN060937.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060937.D (-2186) (-)

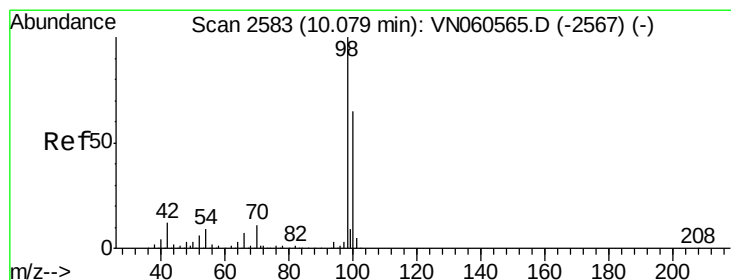
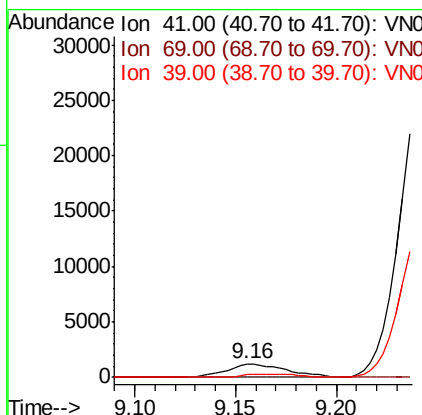
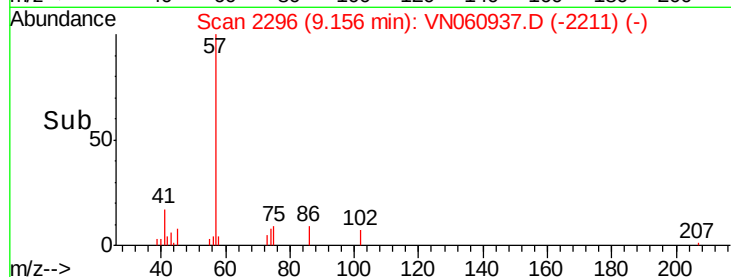
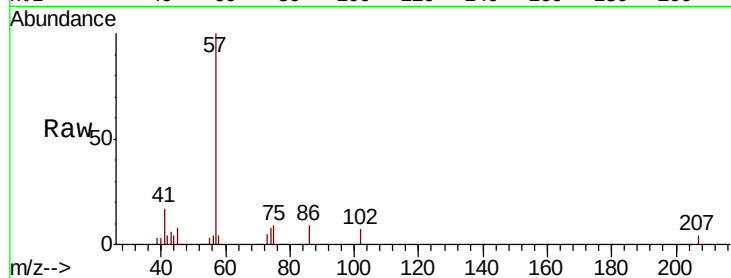




#48
Methvl methacrylate
Concen: 1.285 ug/l
RT: 9.16 min Scan# 2296
Delta R.T. -0.03 min
Lab File: VN060937.D
Acq: 14 Apr 2020 16:37

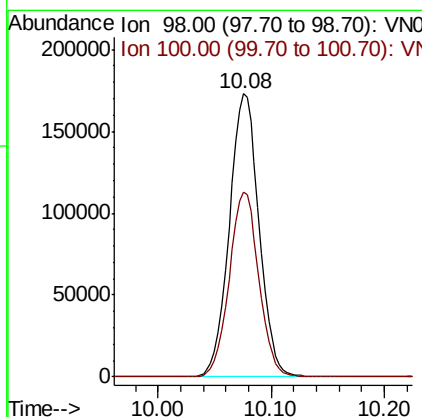
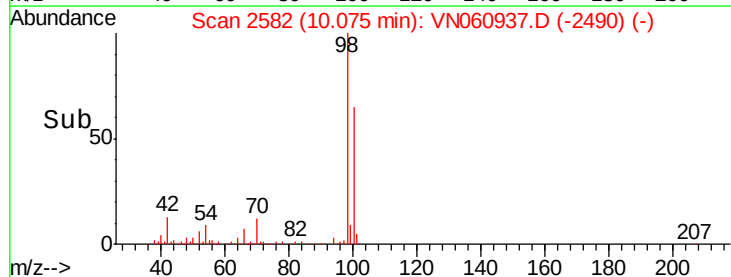
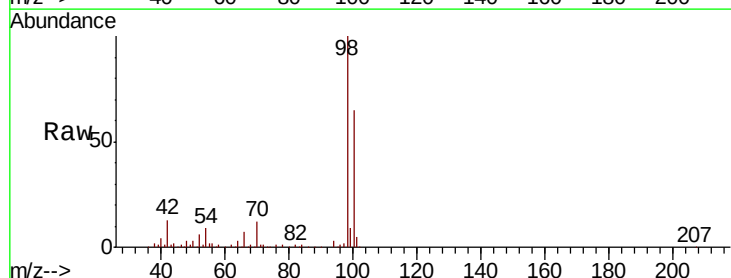
Instrument :
MSVOA_N
ClientSampleId :
PB128161TB

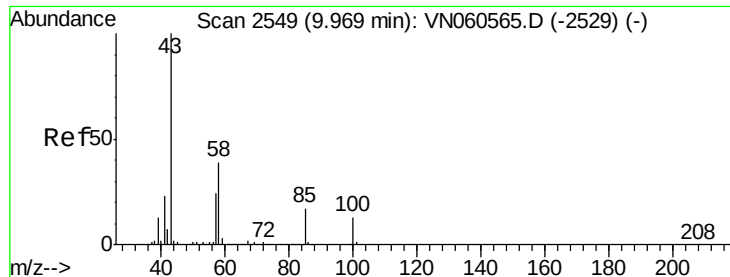
Tot Ion: 41 Resp: 2510
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 50.182 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060937.D
Acq: 14 Apr 2020 16:37

Tgt Ion: 98 Resp: 315062
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.8

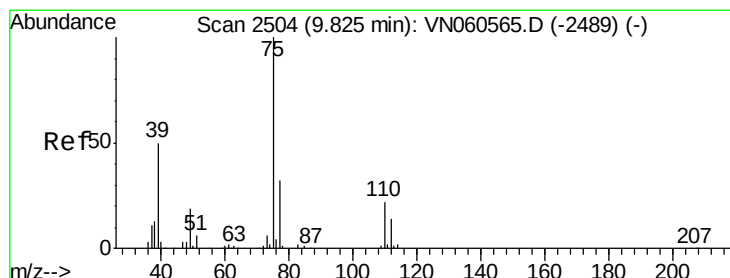
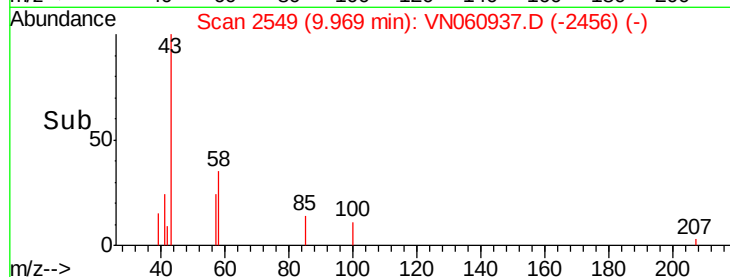
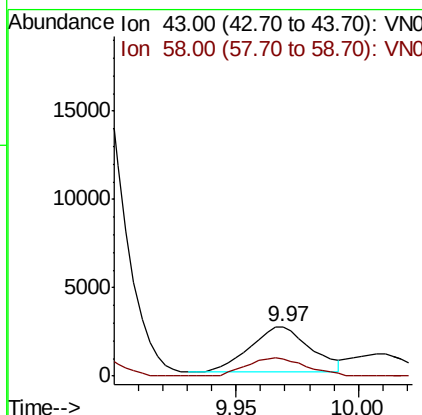
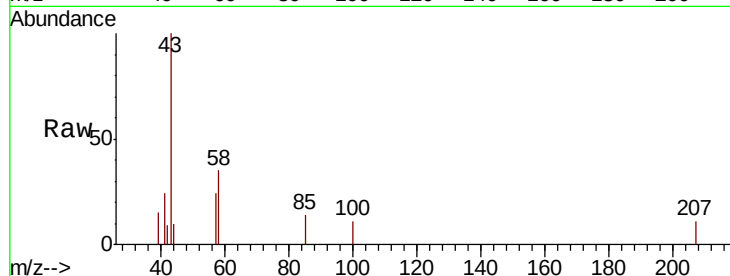




#51
 4-Methyl-2-Pentanone
 Concen: 1.786 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060937.D
 Acq: 14 Apr 2020 16:37

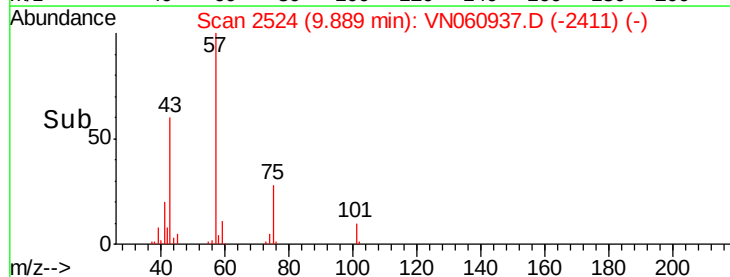
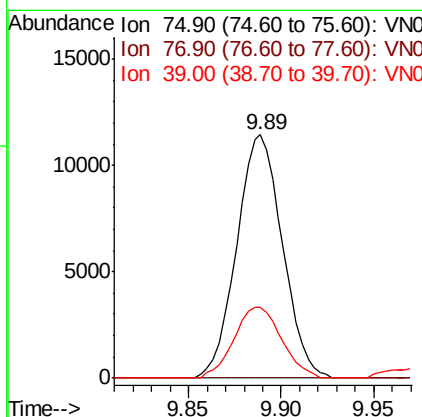
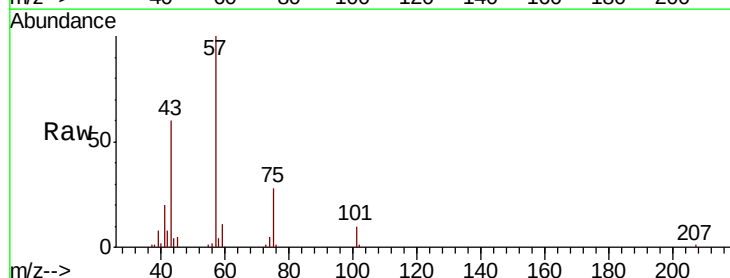
Instrument :
 MSVOA_N
 ClientSampleId :
 PB128161TB

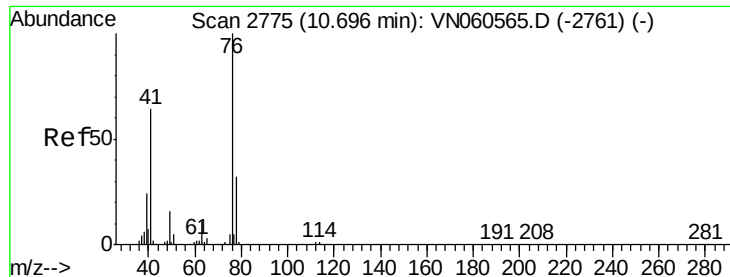
Tot Ion: 43 Resp: 4457
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.8 46.2



#54
 cis-1,3-Dichloropropene
 Concen: 6.298 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060937.D
 Acq: 14 Apr 2020 16:37

Tgt Ion: 75 Resp: 19548
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 28.9 40.2 60.4#





#57

1,3-Dichloropropane

Concen: 1.072 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060937.D

Acq: 14 Apr 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

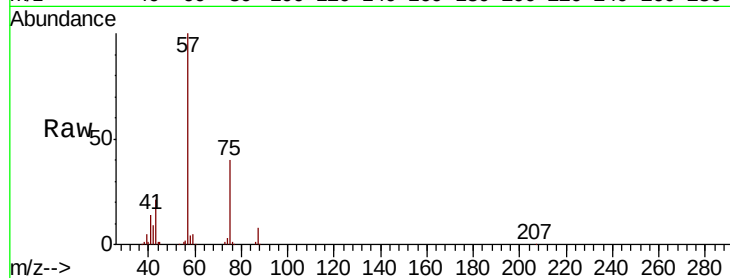
PB128161TB

Tot Ion: 76 Resp: 3213

Ion Ratio Lower Upper

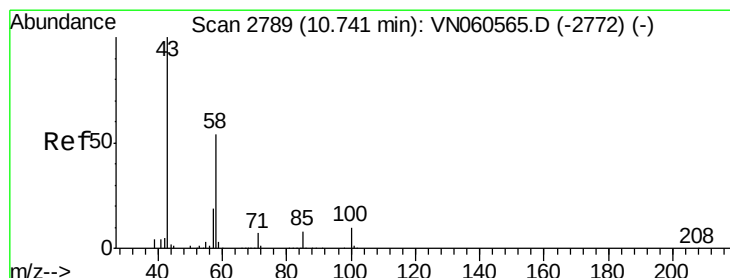
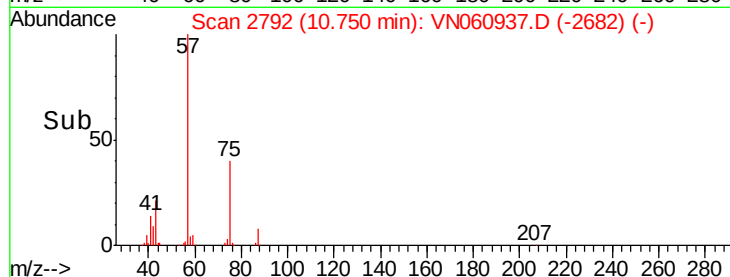
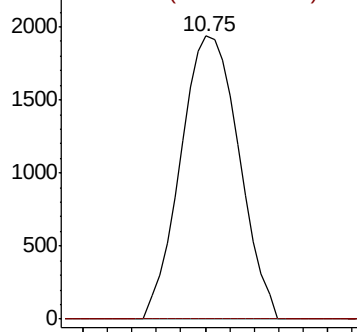
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 26.892 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060937.D

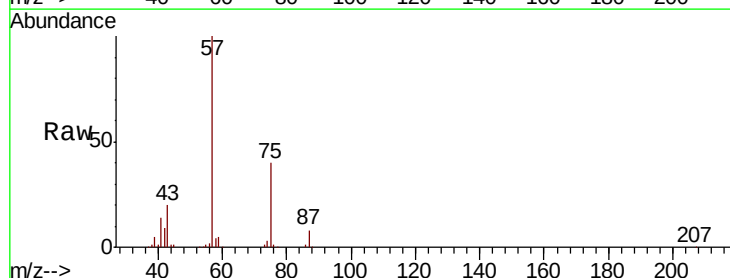
Acq: 14 Apr 2020 16:37

Tgt Ion: 43 Resp: 48352

Ion Ratio Lower Upper

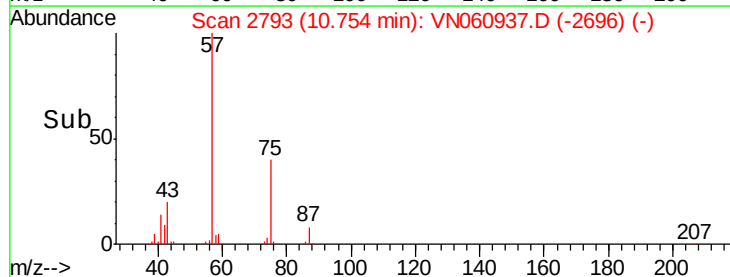
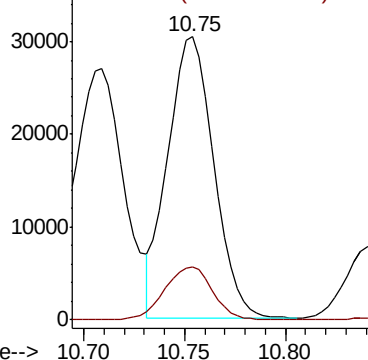
43 100

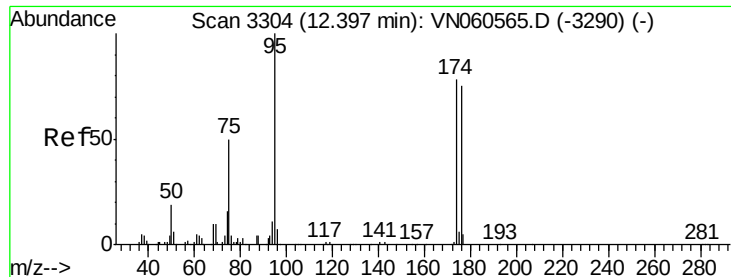
58 19.3 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 51.751 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060937.D

Acq: 14 Apr 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

PB128161TB

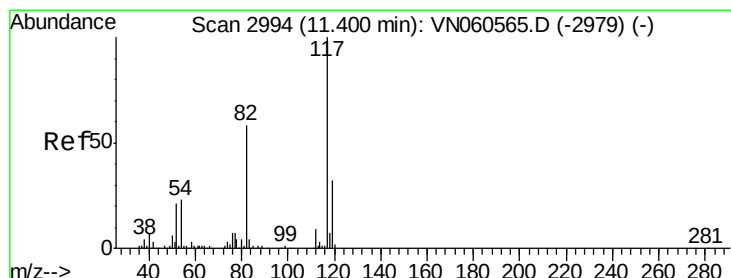
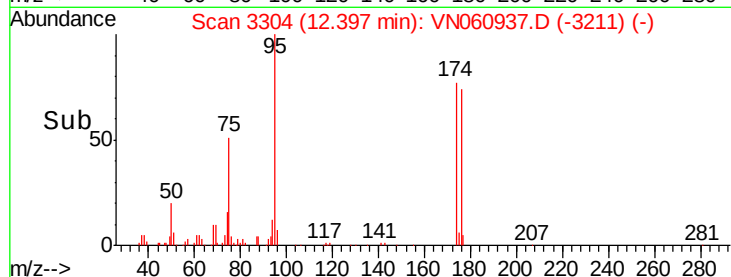
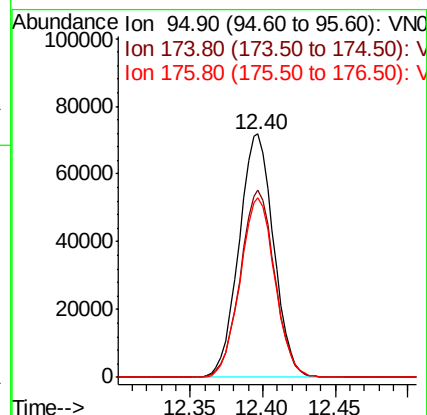
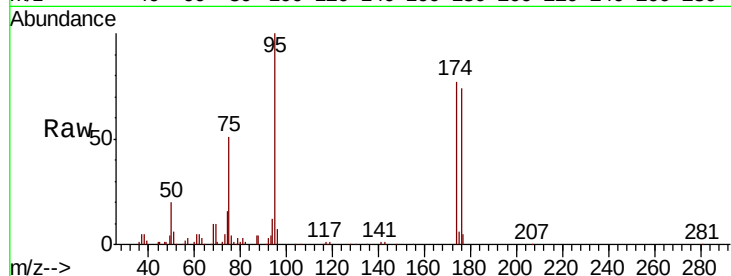
Tot Ion: 95 Resp: 119075

Ion Ratio Lower Upper

95 100

174 76.6 0.0 157.6

176 74.0 0.0 150.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. -0.00 min

Lab File: VN060937.D

Acq: 14 Apr 2020 16:37

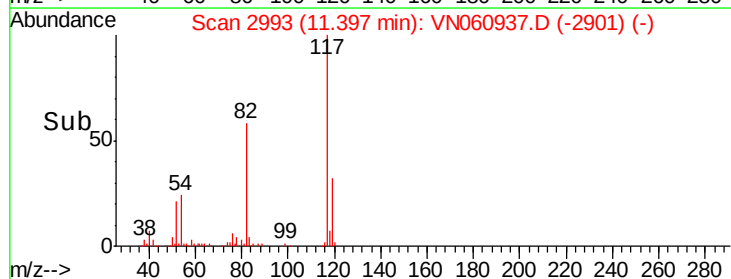
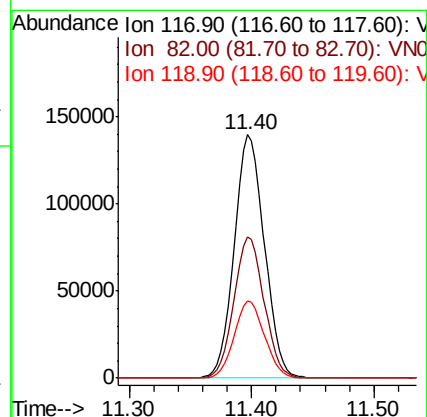
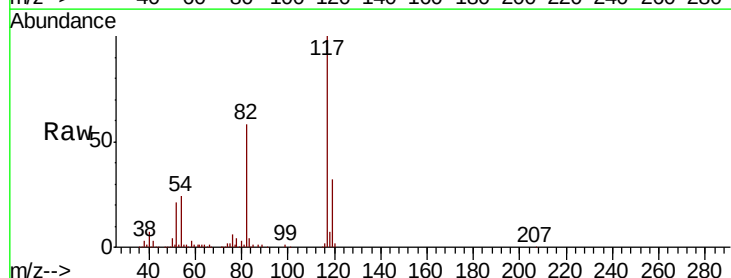
Tgt Ion: 117 Resp: 240254

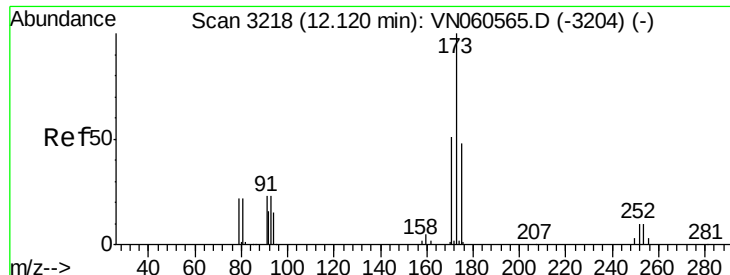
Ion Ratio Lower Upper

117 100

82 58.0 46.7 70.1

119 31.6 25.5 38.3





#71

Bromoform

Concen: 1.807 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN060937.D

Acq: 14 Apr 2020 16:37

Instrument :

MSVOA_N

ClientSampled :

PB128161TB

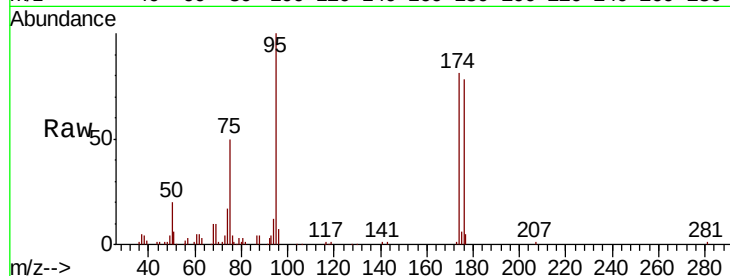
Tot Ion:173 Resp: 188

Ion Ratio Lower Upper

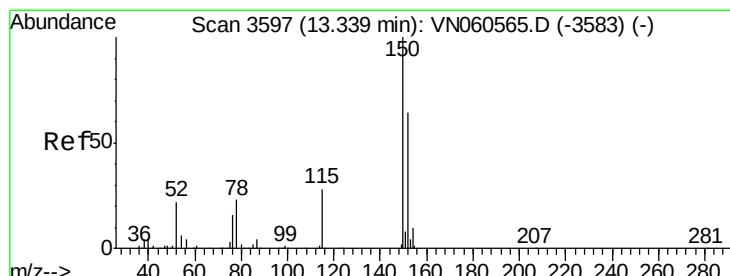
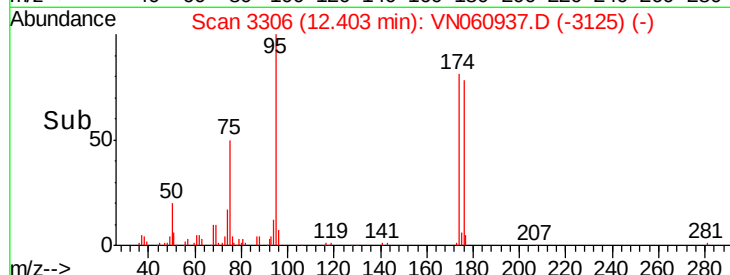
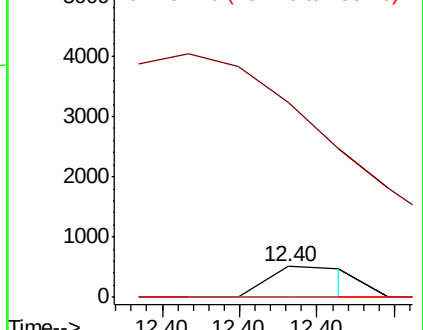
173 100

175 3080.9 24.1 72.4#

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: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060937.D

Acq: 14 Apr 2020 16:37

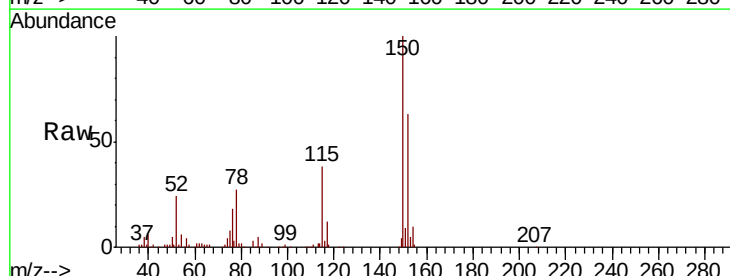
Tgt Ion:152 Resp: 107473

Ion Ratio Lower Upper

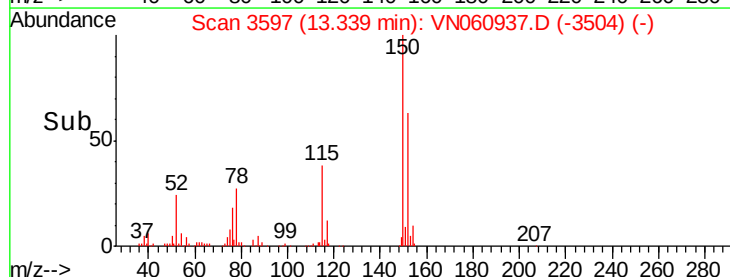
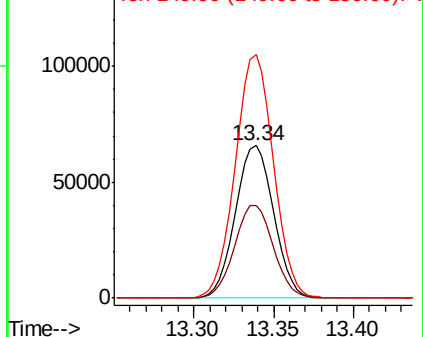
152 100

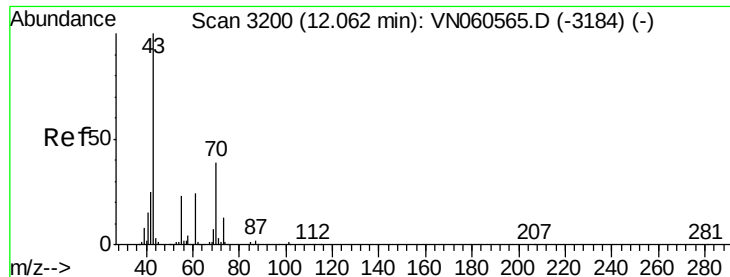
115 61.4 30.2 90.6

150 159.0 0.0 350.2



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

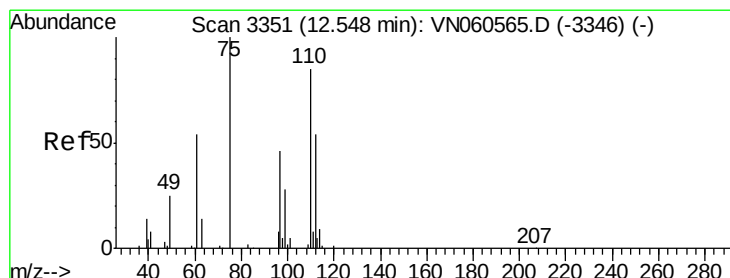
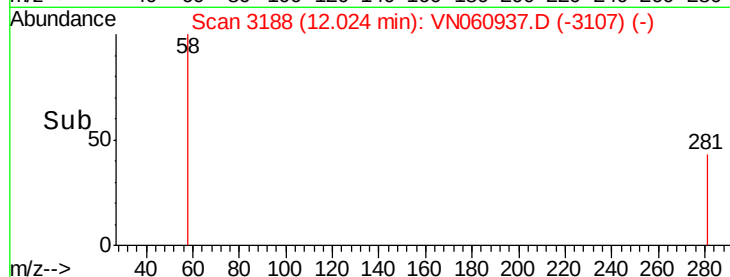
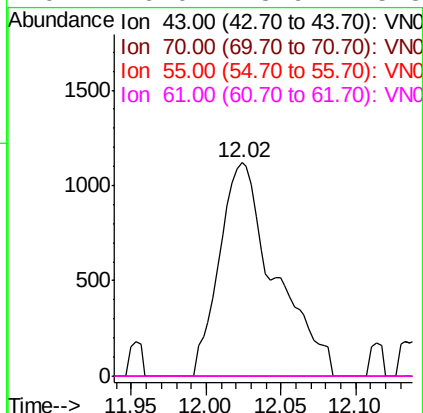
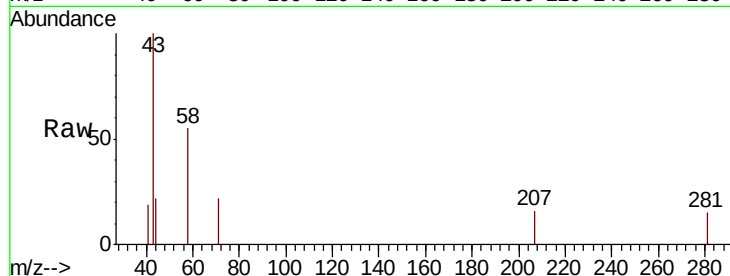




#74
N-amvl acetate
Concen: 0.777 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060937.D
Acq: 14 Apr 2020 16:37

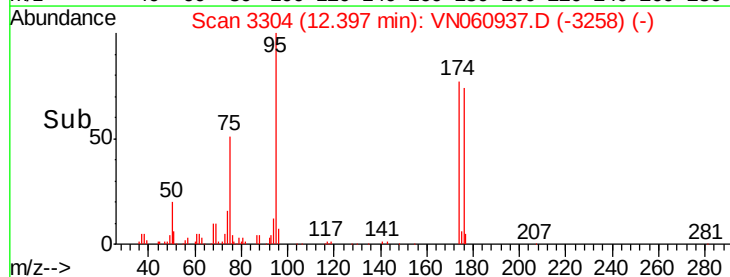
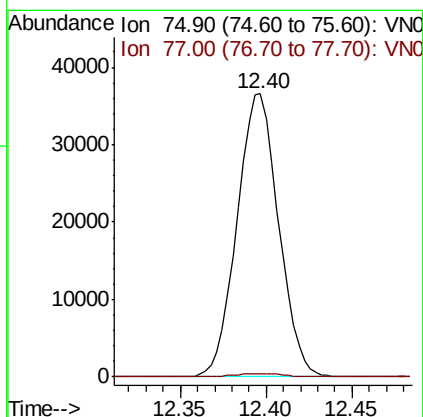
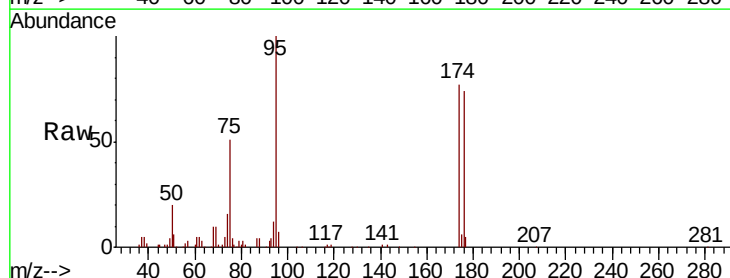
Instrument :
MSVOA_N
ClientSampleId :
PB128161TB

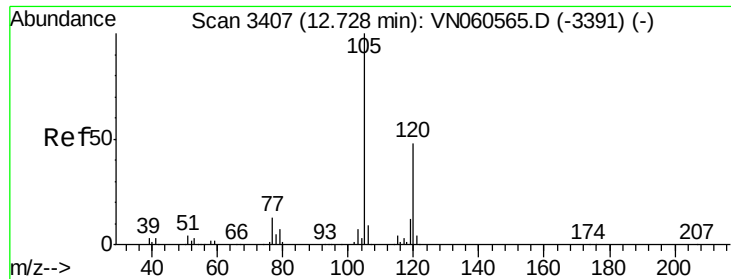
Tot Ion:	43	Resp:	2895
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.1	46.7#
55	0.0	18.6	27.8#
61	0.0	18.9	28.3#



#76
1,2,3-Trichloropropane
Concen: 26.411 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060937.D
Acq: 14 Apr 2020 16:37

Tgt Ion:	75	Resp:	61248
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#

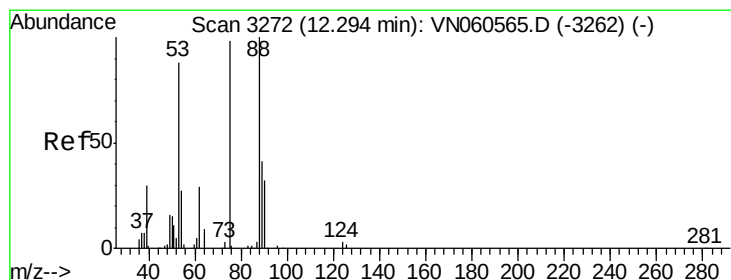
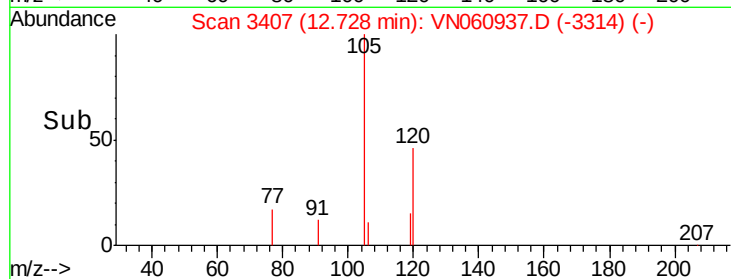
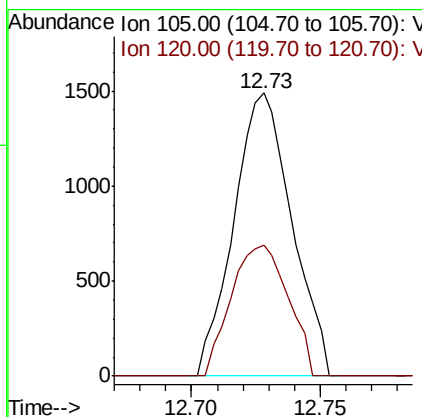
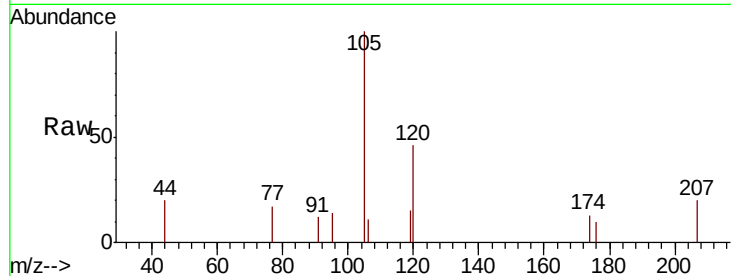




#80
 1,3,5-Trimethylbenzene
 Concen: 0.342 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060937.D
 Acq: 14 Apr 2020 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 PB128161TB

Tot Ion:105 Resp: 2339
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.831 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060937.D
 Acq: 14 Apr 2020 16:37

Tgt Ion: 75 Resp: 61248
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

