

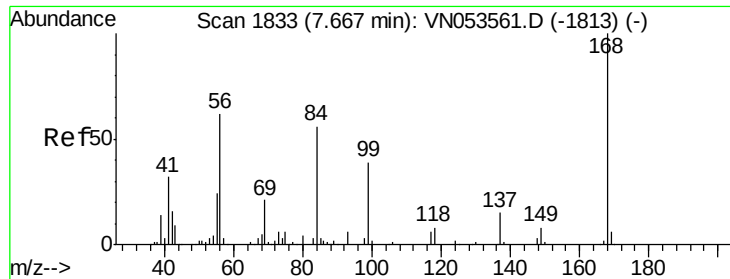
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN021519\
 Data File : VN053827.D
 Acq On : 16 Feb 2019 4:14
 Operator : JC/SP
 Sample : PB117124ZHE#12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117124ZHE#12

Quant Time: Feb 18 08:15:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	642637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1086932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1028031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	426281	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	357928	55.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.04%	
35) Dibromofluoromethane	7.59	113	348114	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
50) Toluene-d8	10.09	98	1329746	51.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.12%	
62) 4-Bromofluorobenzene	12.40	95	445508	51.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.60%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	14720	8.902	ug/l	91
18) Methyl Acetate	4.34	43	2691	0.549	ug/l #	72
20) Methylene Chloride	4.56	84	7826	1.128	ug/l #	89
29) Tetrahydrofuran	7.21	42	564	0.372	ug/l #	42
31) Cyclohexane	7.67	56	9670	0.720	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	38064	3.885	ug/l #	49
38) Carbon Tetrachloride	7.67	117	50502	5.116	ug/l #	16
43) Isopropyl Acetate	8.18	43	32732	3.097	ug/l #	83
45) 1,2-Dichloropropane	9.27	63	1946	0.252	ug/l #	43
48) Methyl methacrylate	9.18	41	9387	1.861	ug/l #	12
49) 1,4-Dioxane	9.27	88	67	39.979	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	8329	1.604	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	70545	6.138	ug/l #	62
56) Ethyl methacrylate	10.54	69	1554	0.203	ug/l #	1
57) 1,3-Dichloropropane	10.77	76	13918	1.260	ug/l #	43
59) 2-Hexanone	10.77	43	175510	49.783	ug/l #	51
71) Bromoform	12.41	173	3166	0.606	ug/l #	1
74) N-amyl acetate	11.88	43	21297	2.955	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	204734	37.392	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	20428	0.822	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	204734	105.144	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053827.D

Acq: 16 Feb 2019 4:14

Instrument :

MSVOA_N

ClientSampleId :

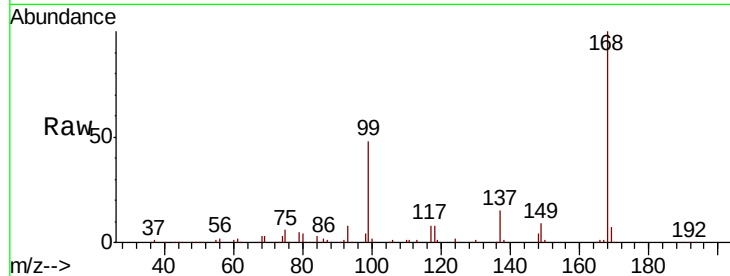
PB117124ZHE#12

Tgt Ion:168 Resp: 642637

Ion Ratio Lower Upper

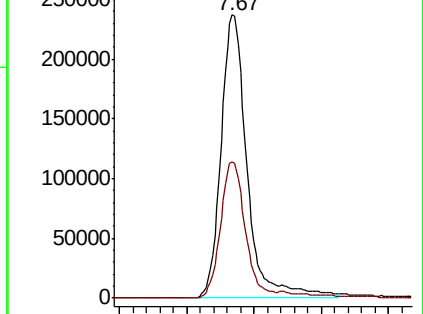
168 100

99 48.3 39.1 58.7

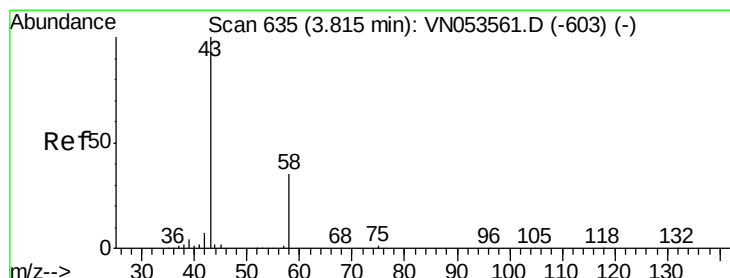
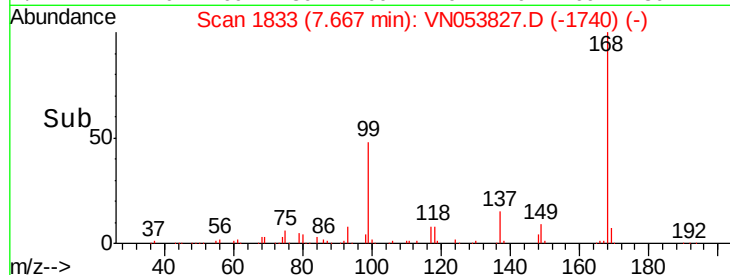


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



Time--> 7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: 8.902 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053827.D

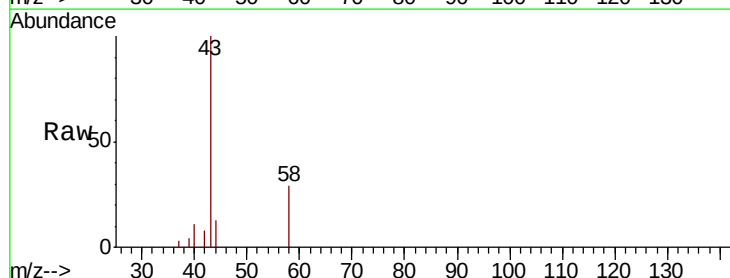
Acq: 16 Feb 2019 4:14

Tgt Ion: 43 Resp: 14720

Ion Ratio Lower Upper

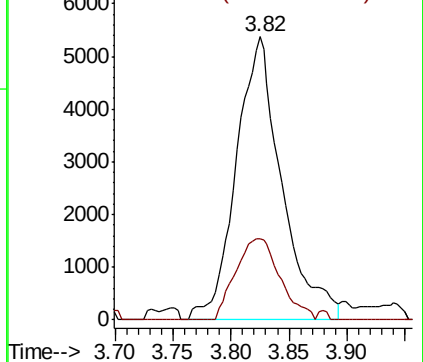
43 100

58 28.6 27.1 40.7

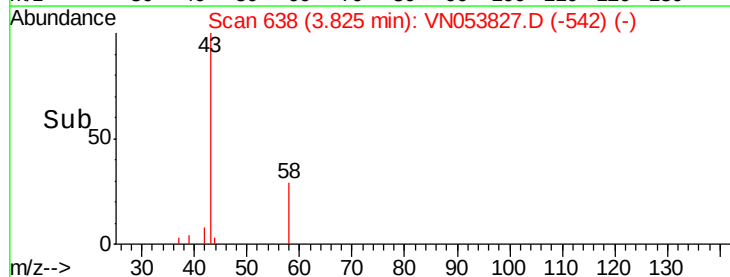


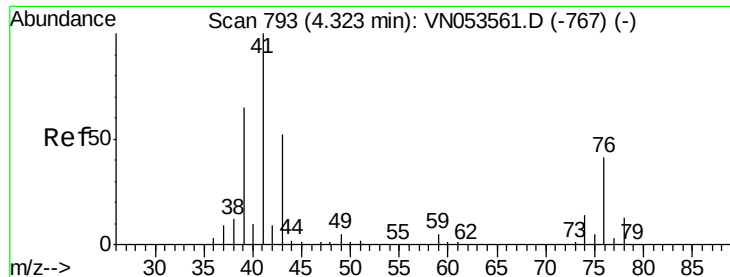
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time--> 3.70 3.75 3.80 3.85 3.90

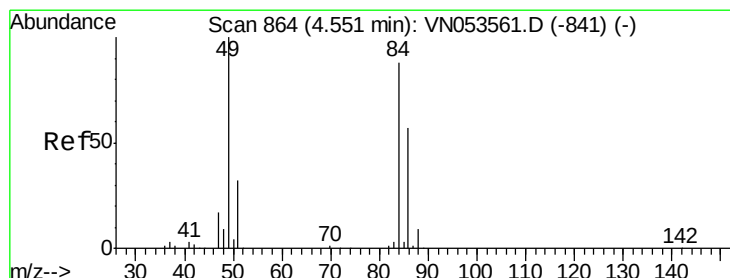
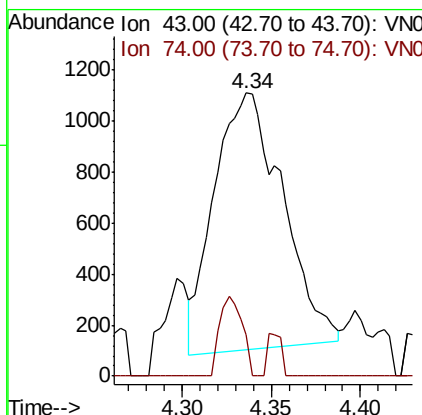
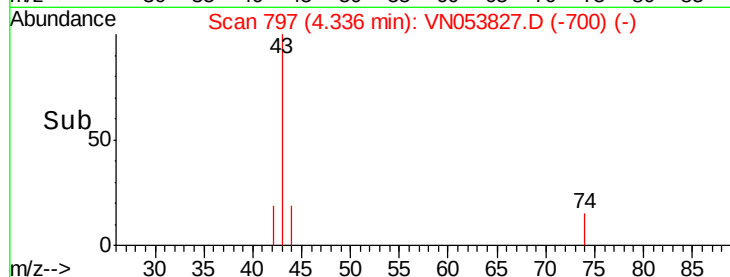
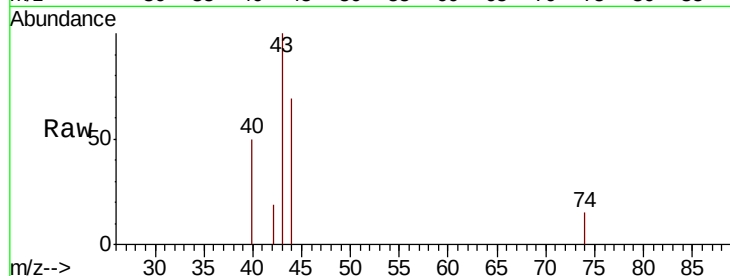




#18
Methyl Acetate
Concen: 0.549 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN053827.D
Acq: 16 Feb 2019 4:14

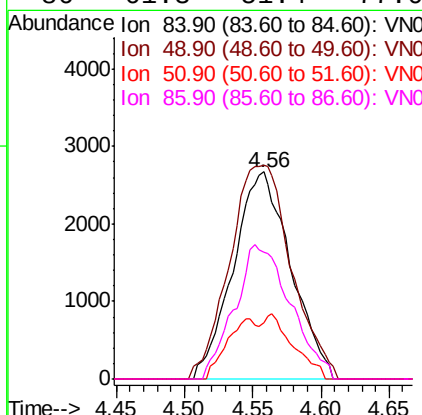
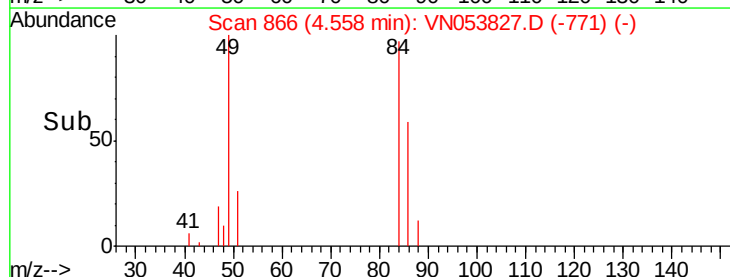
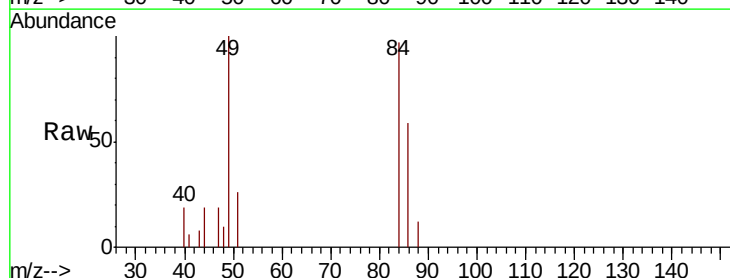
Instrument :
MSVOA_N
ClientSampleId :
PB117124ZHE#12

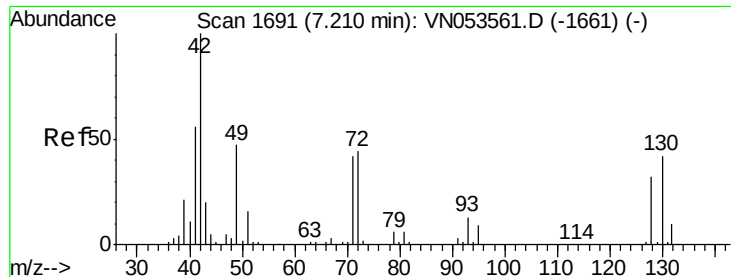
Tgt Ion: 43 Resp: 2691
Ion Ratio Lower Upper
43 100
74 10.2 19.4 29.2#



#20
Methylene Chloride
Concen: 1.128 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053827.D
Acq: 16 Feb 2019 4:14

Tgt Ion: 84 Resp: 7826
Ion Ratio Lower Upper
84 100
49 103.3 94.3 141.5
51 27.4 29.4 44.2#
86 61.3 51.4 77.0

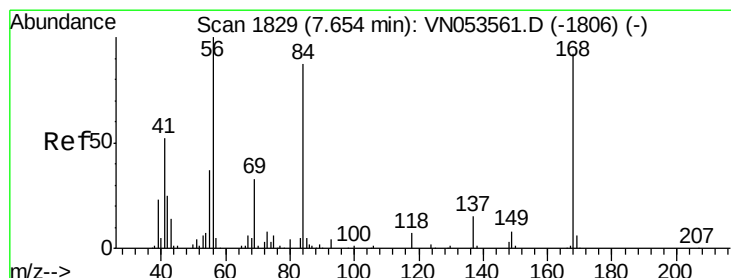
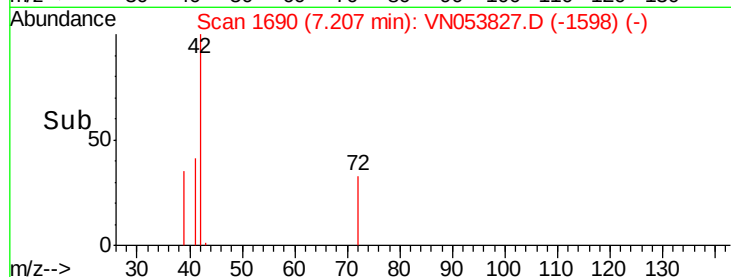
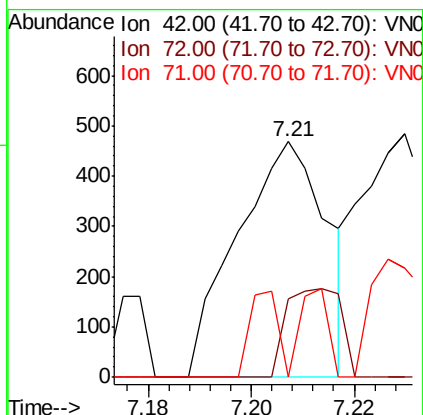
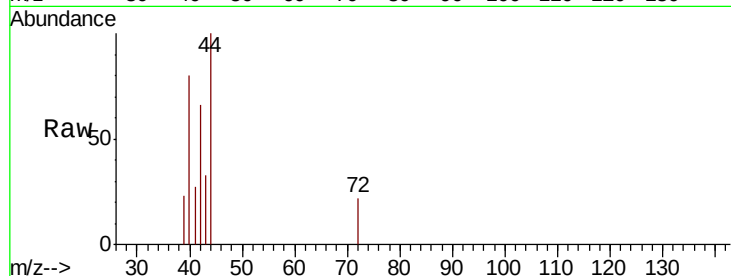




#29
Tetrahydrofuran
Concen: 0.372 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN053827.D
Acq: 16 Feb 2019 4:14

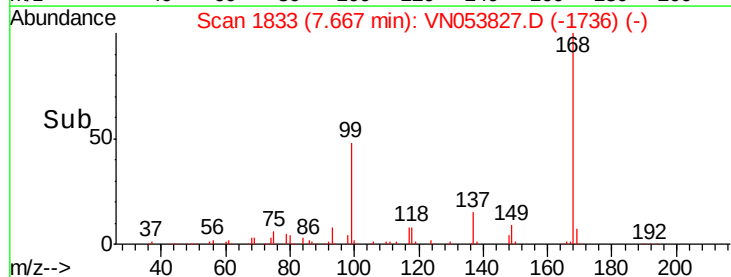
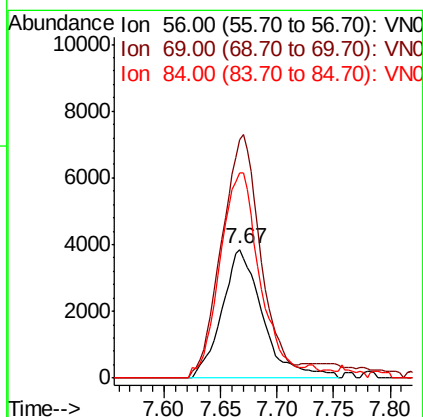
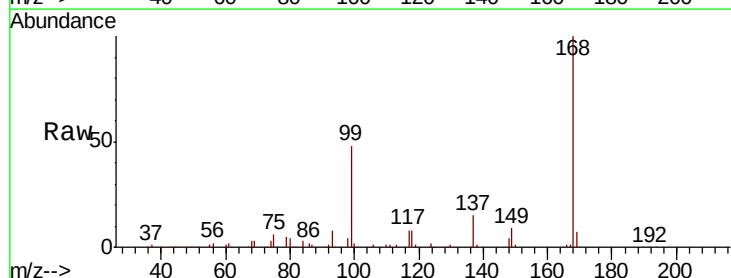
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ClientSampleId :
PB117124ZHE#12

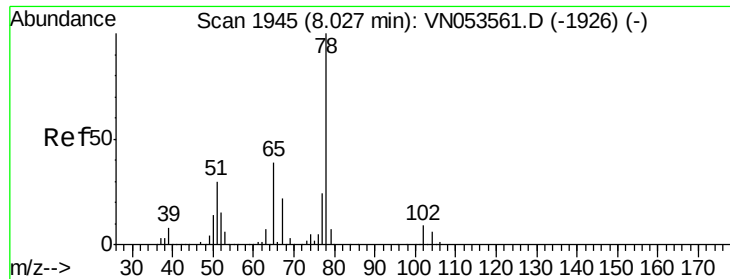
Tgt Ion: 42 Resp: 564
Ion Ratio Lower Upper
42 100
72 0.0 35.2 52.8#
71 11.3 33.0 49.4#



#31
Cyclohexane
Concen: 0.720 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN053827.D
Acq: 16 Feb 2019 4:14

Tgt Ion: 56 Resp: 9670
Ion Ratio Lower Upper
56 100
69 184.8 26.4 39.6#
84 159.8 67.9 101.9#

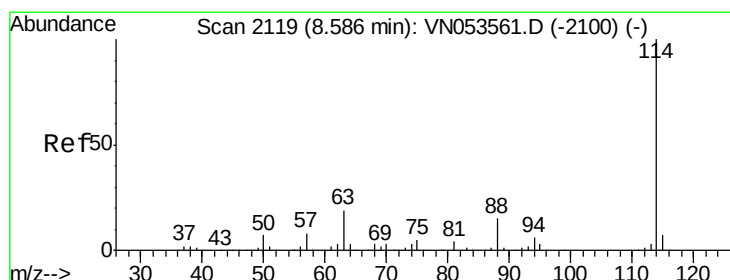
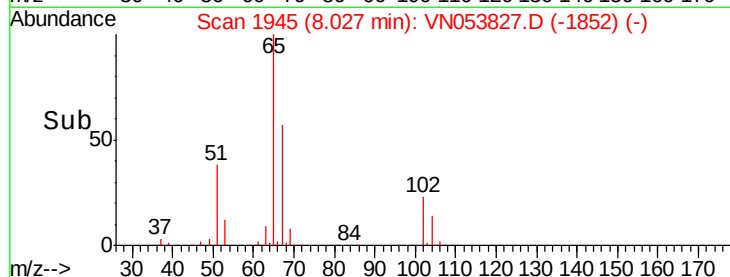
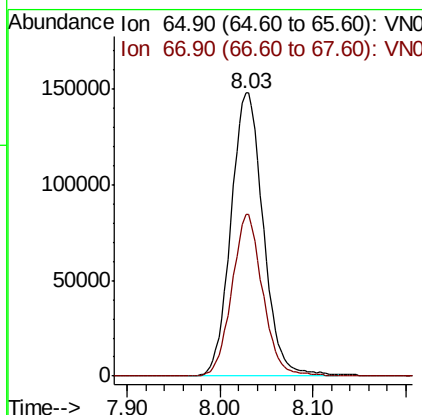
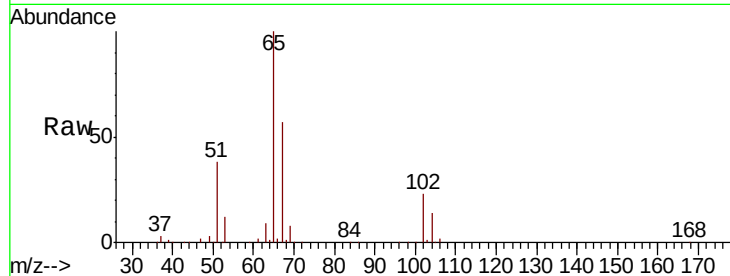




#33
 1,2-Dichloroethane-d4
 Concen: 55.520 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053827.D
 Acq: 16 Feb 2019 4:14

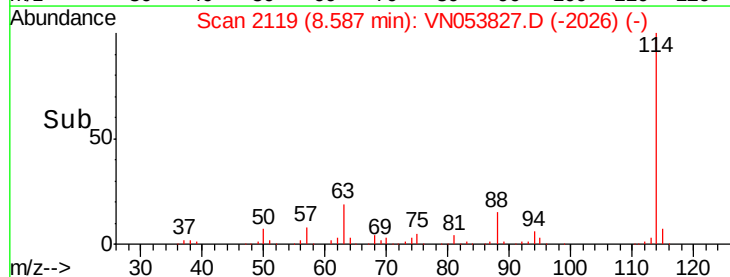
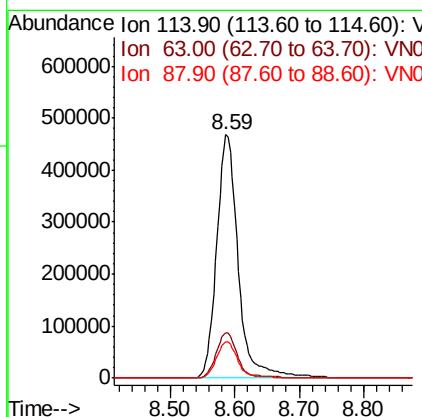
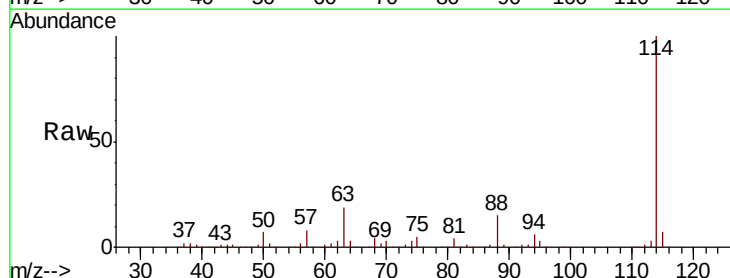
Instrument :
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 PB117124ZHE#12

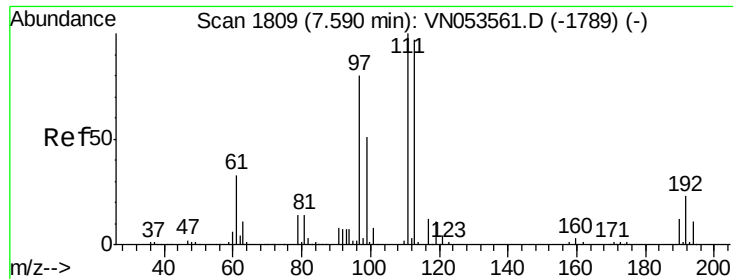
Tgt Ion: 65 Resp: 357928
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053827.D
 Acq: 16 Feb 2019 4:14

Tgt Ion: 114 Resp: 1086932
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.6
 88 15.1 0.0 30.4

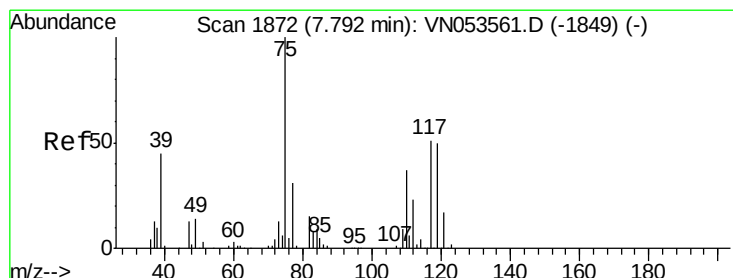
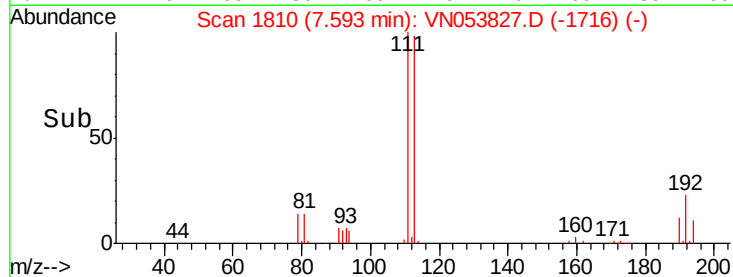
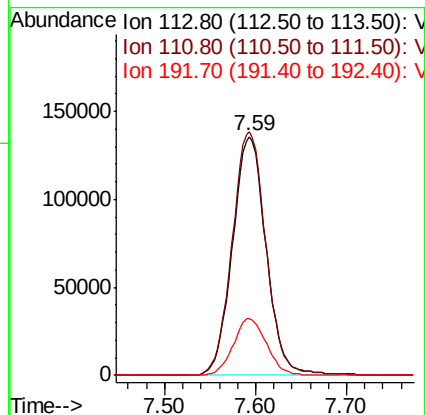
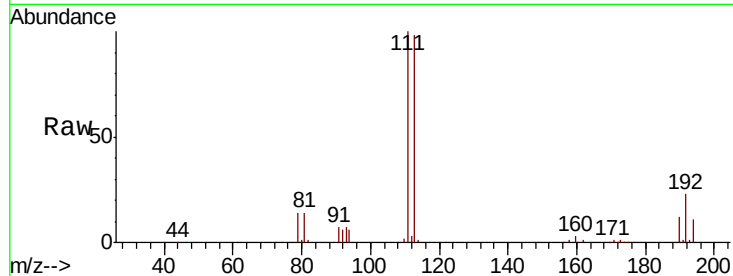




#35
 Dibromofluoromethane
 Concen: 50.686 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053827.D
 Acq: 16 Feb 2019 4:14

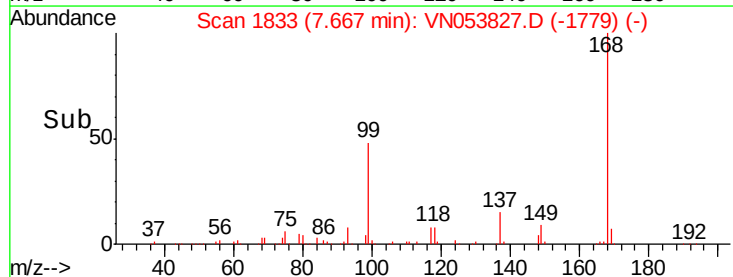
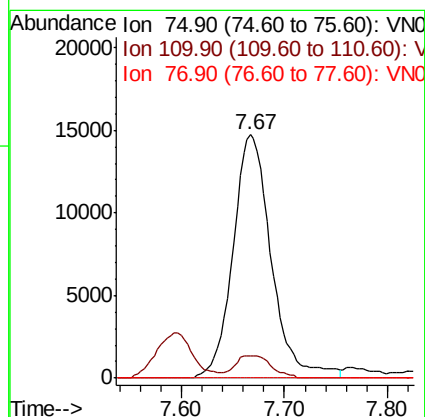
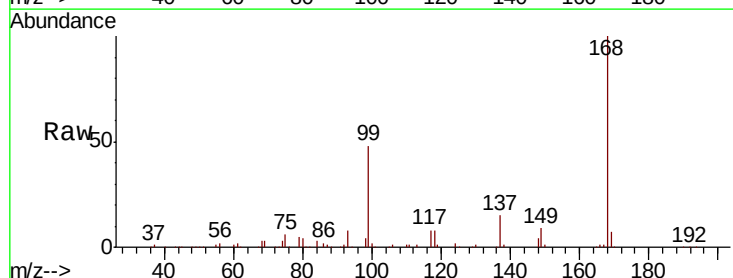
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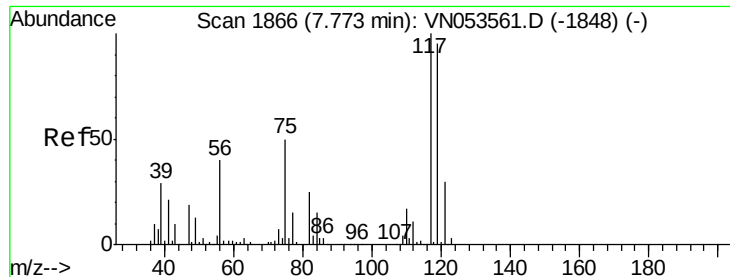
Tgt Ion: 113 Resp: 348114
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.1 121.7
 192 23.6 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 3.885 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053827.D
 Acq: 16 Feb 2019 4:14

Tgt Ion: 75 Resp: 38064
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.1 54.3#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.116 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053827.D

Acq: 16 Feb 2019 4:14

Instrument :

MSVOA_N

ClientSampleId :

PB117124ZHE#12

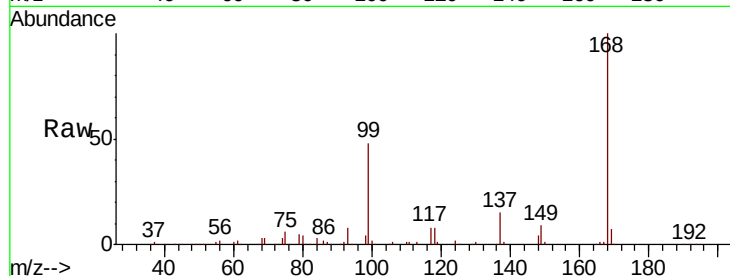
Tgt Ion:117 Resp: 50502

Ion Ratio Lower Upper

117 100

119 6.0 77.2 115.8#

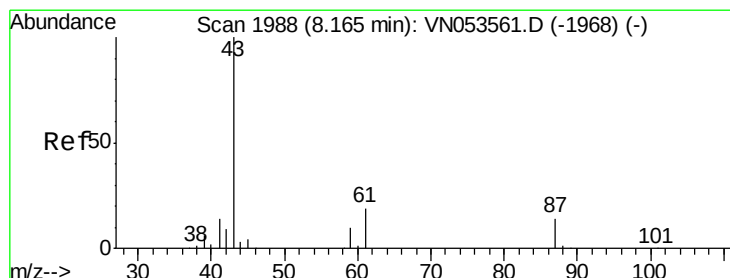
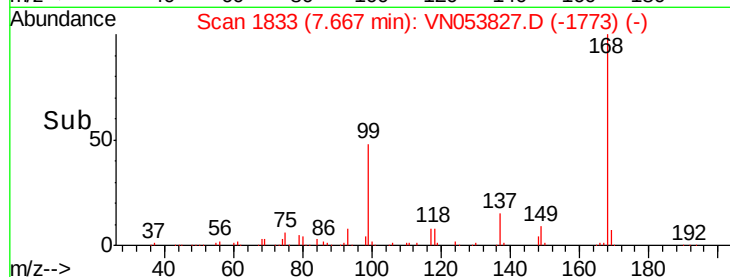
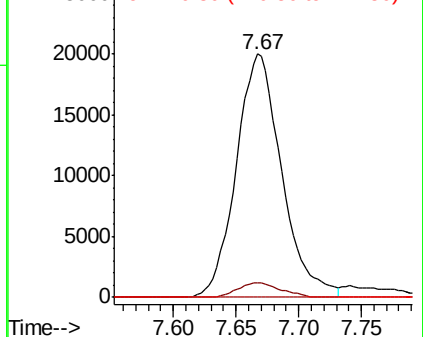
121 0.0 24.6 37.0#



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: 3.097 ug/l

RT: 8.18 min Scan# 1993

Delta R.T. 0.02 min

Lab File: VN053827.D

Acq: 16 Feb 2019 4:14

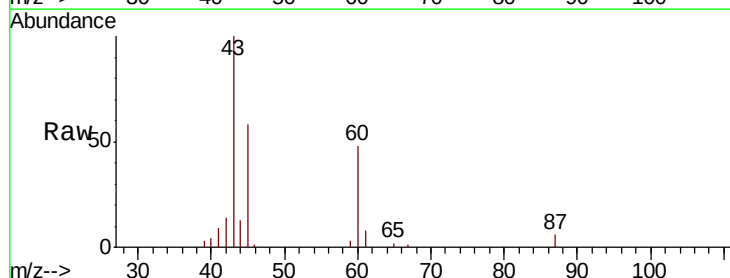
Tgt Ion: 43 Resp: 32732

Ion Ratio Lower Upper

43 100

61 18.2 23.9 35.9#

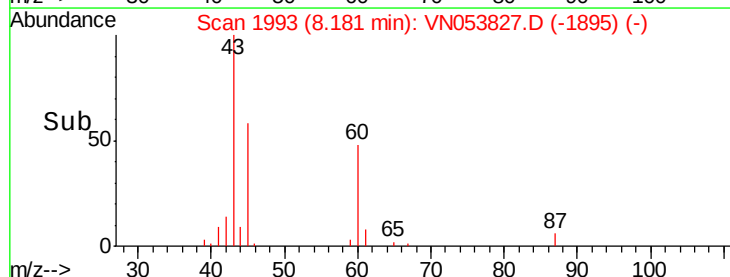
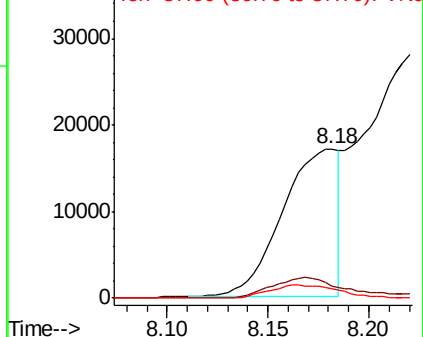
87 11.1 11.0 16.6

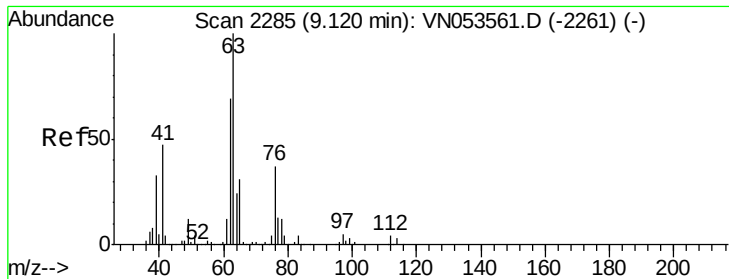


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

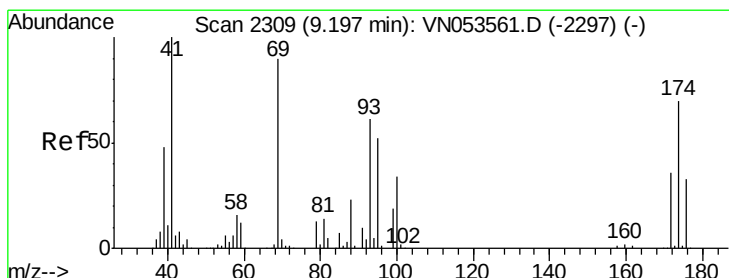
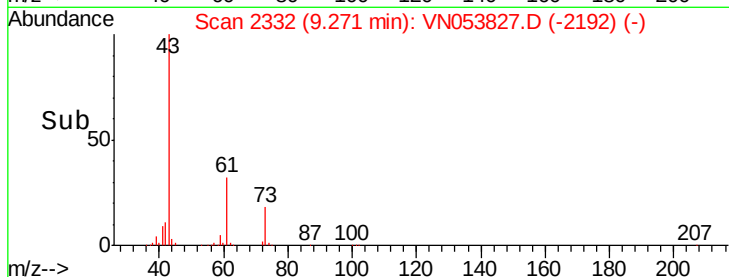
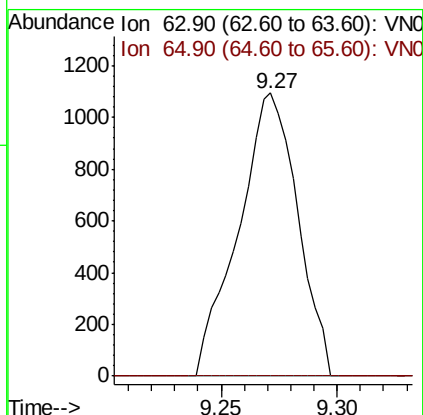
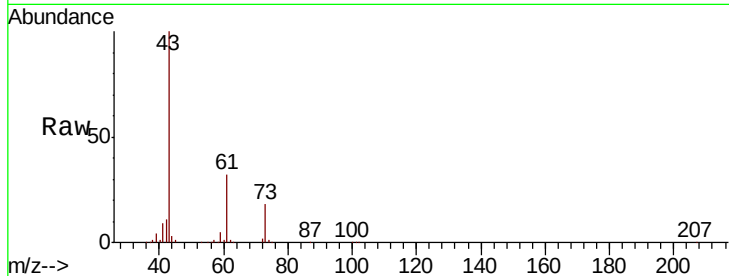




#45
 1,2-Dichloropropane
 Concen: 0.252 ug/l
 RT: 9.27 min Scan# 2332
 Delta R.T. 0.15 min
 Lab File: VN053827.D
 Acq: 16 Feb 2019 4:14

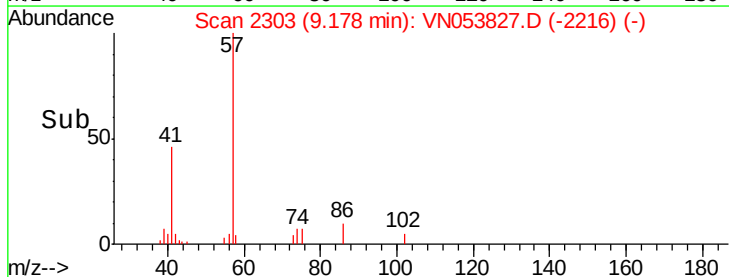
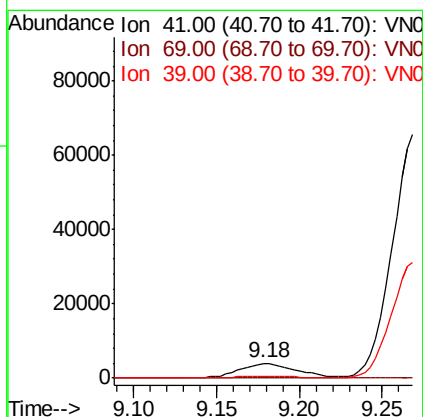
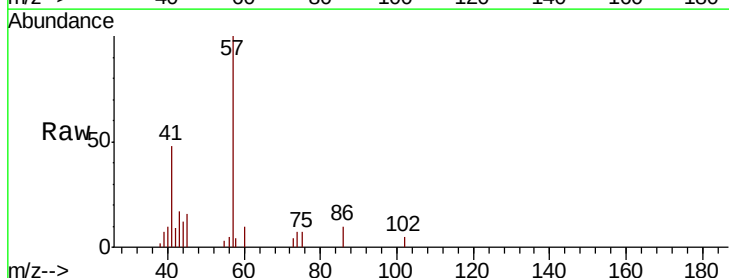
Instrument :
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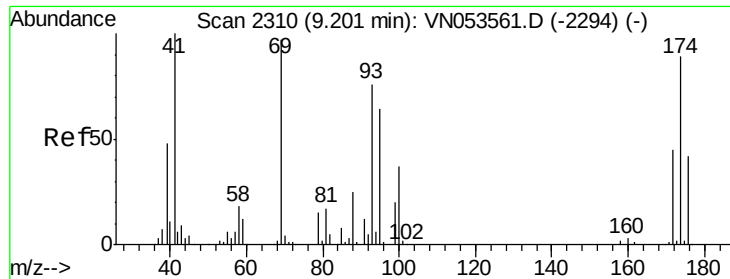
Tgt Ion: 63 Resp: 1946
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 1.861 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN053827.D
 Acq: 16 Feb 2019 4:14

Tgt Ion: 41 Resp: 9387
 Ion Ratio Lower Upper
 41 100
 69 0.0 73.8 110.6#
 39 0.0 40.0 60.0#





#49

1,4-Dioxane

Concen: 39.979 ug/l

RT: 9.27 min Scan# 2333

Delta R.T. 0.07 min

Lab File: VN053827.D

Acq: 16 Feb 2019 4:14

Instrument :

MSVOA_N

ClientSampleId :

PB117124ZHE#12

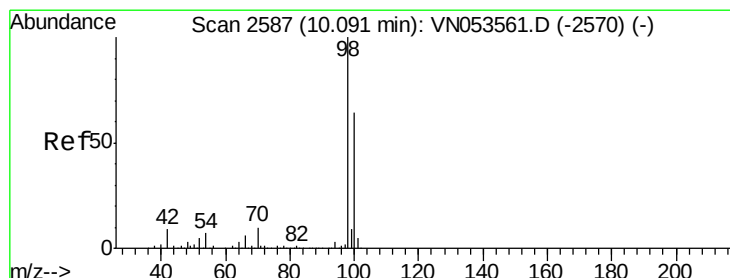
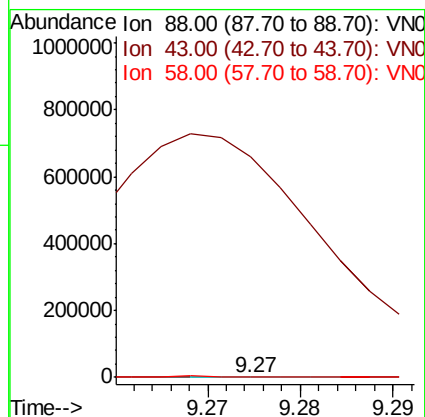
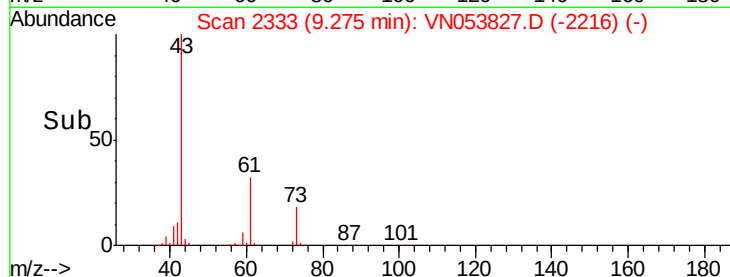
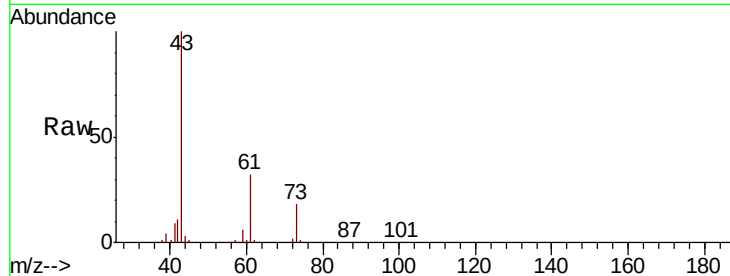
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 2221232.8 27.8 41.6#

58 10306.0 56.5 84.7#



#50

Toluene-d8

Concen: 51.564 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053827.D

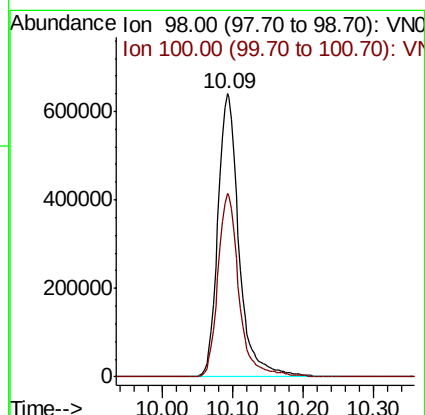
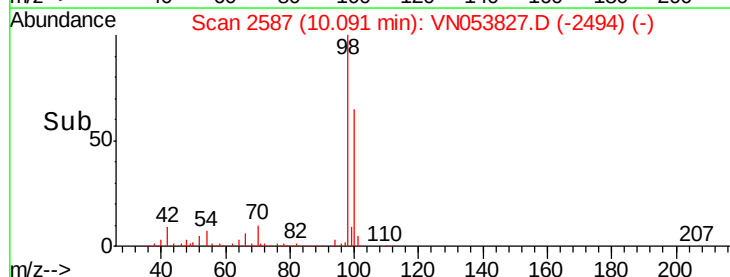
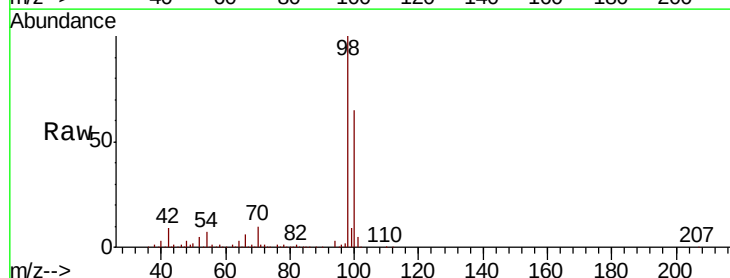
Acq: 16 Feb 2019 4:14

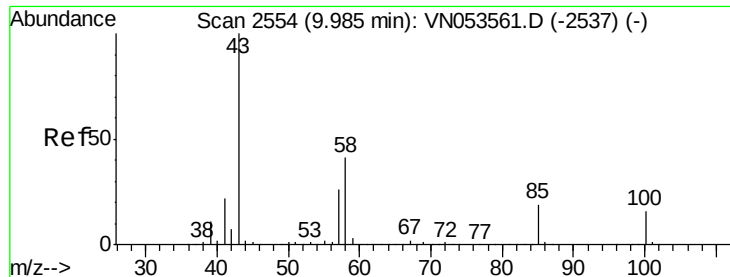
Tgt Ion: 98 Resp: 1329746

Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.0

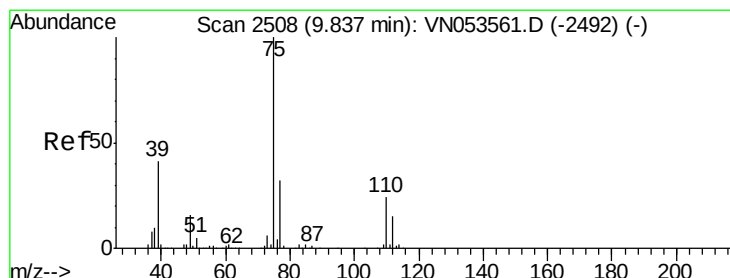
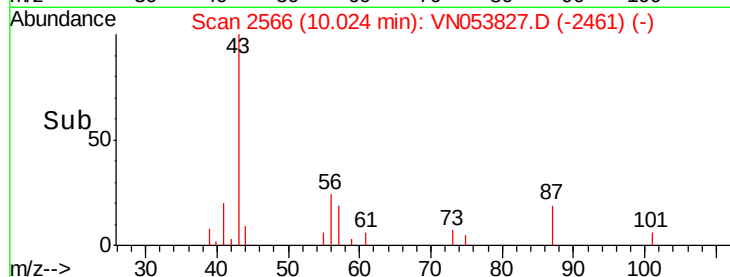
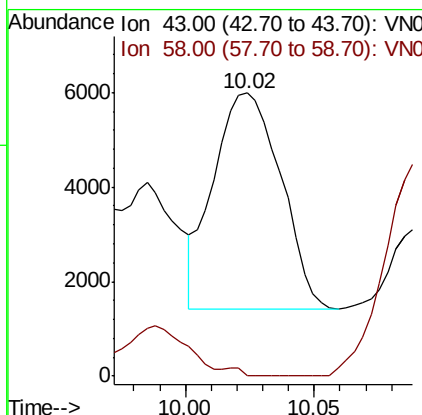
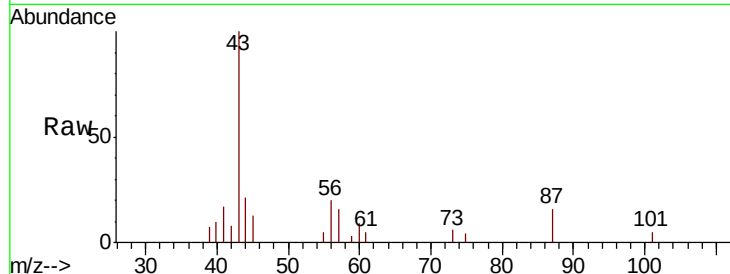




#51
 4-Methyl-2-Pentanone
 Concen: 1.604 ug/l
 RT: 10.02 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: VN053827.D
 Acq: 16 Feb 2019 4:14

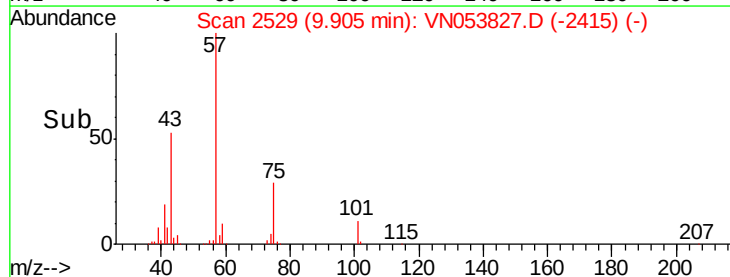
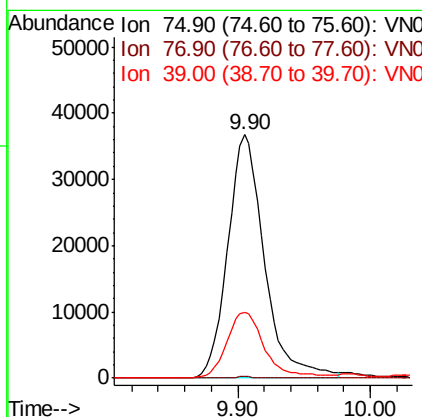
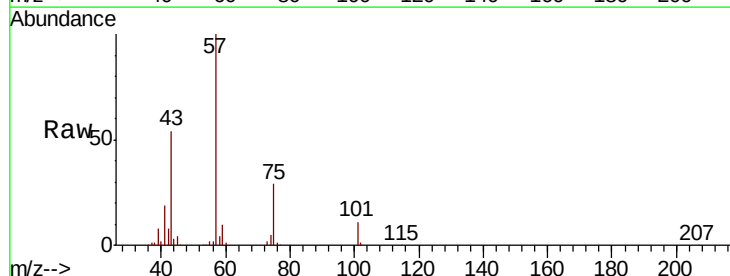
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117124ZHE#12

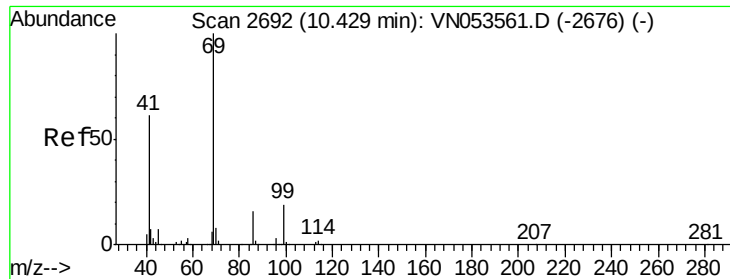
Tgt Ion: 43 Resp: 8329
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.8 49.2#



#54
 cis-1,3-Dichloropropene
 Concen: 6.138 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN053827.D
 Acq: 16 Feb 2019 4:14

Tgt Ion: 75 Resp: 70545
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.8 38.6#
 39 26.8 33.4 50.0#





#56

Ethyl methacrylate

Concen: 0.203 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN053827.D

Acq: 16 Feb 2019 4:14

Instrument :

MSVOA_N

ClientSampleId :

PB117124ZHE#12

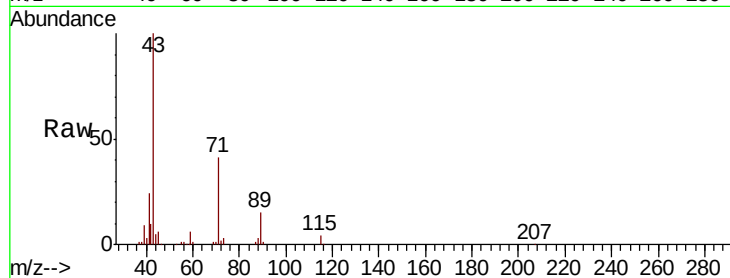
Tgt Ion: 69 Resp: 1554

Ion Ratio Lower Upper

69 100

41 3346.2 49.4 74.0#

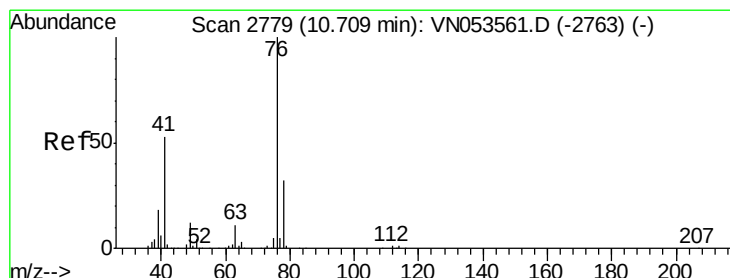
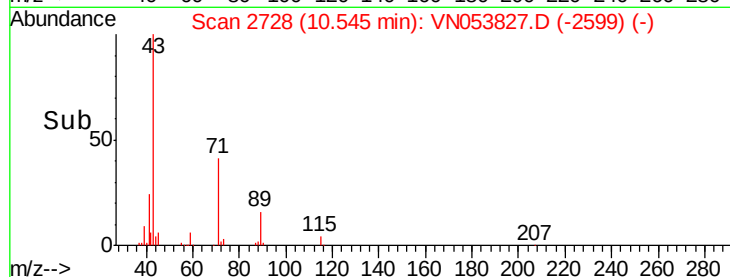
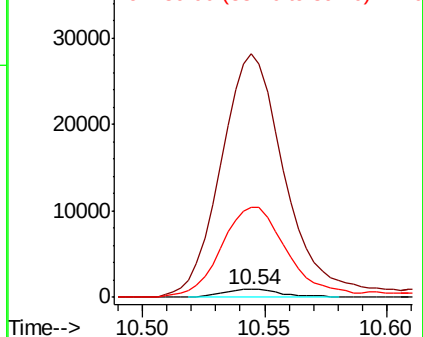
39 1267.2 23.3 34.9#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.260 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN053827.D

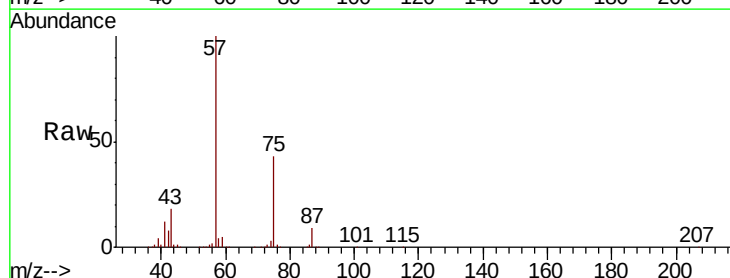
Acq: 16 Feb 2019 4:14

Tgt Ion: 76 Resp: 13918

Ion Ratio Lower Upper

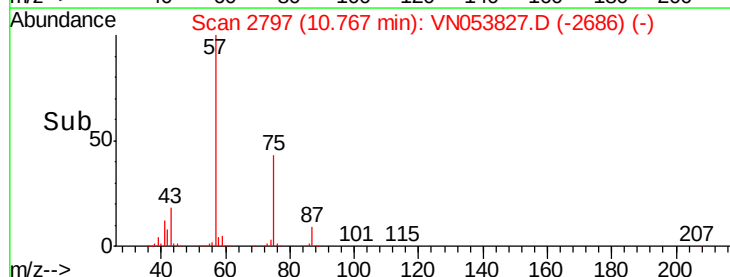
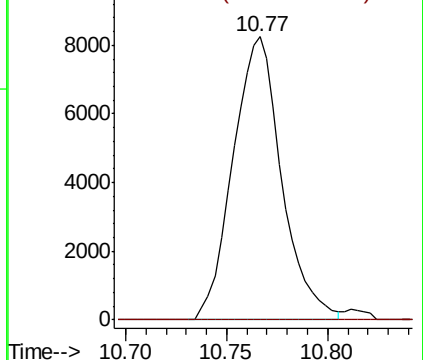
76 100

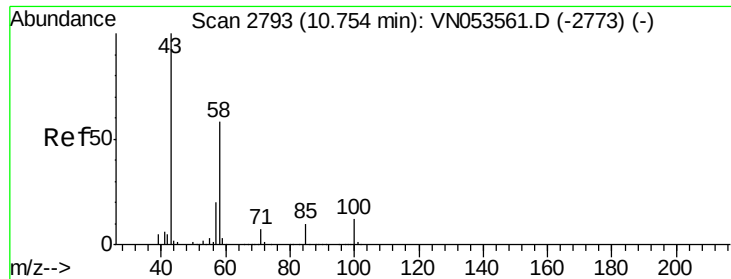
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

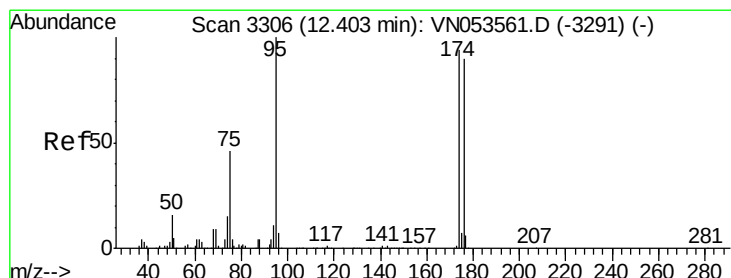
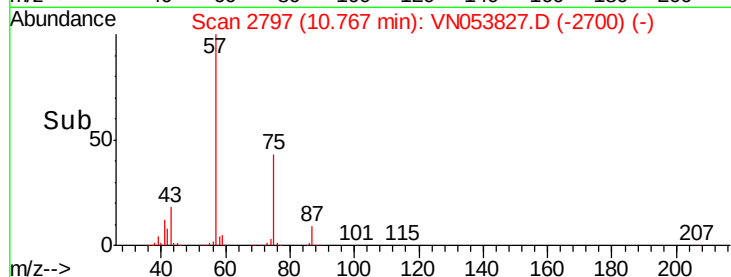
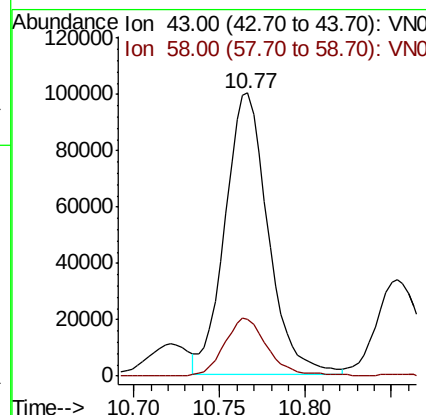
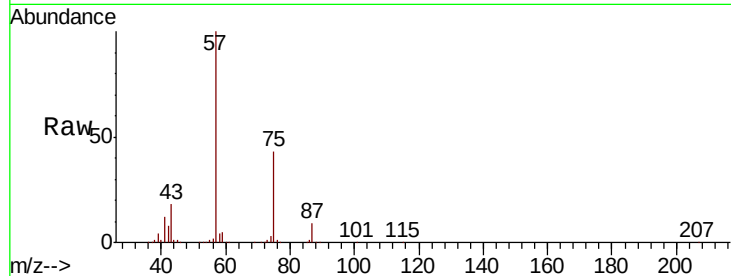




#59
 2-Hexanone
 Concen: 49.783 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN053827.D
 Acq: 16 Feb 2019 4:14

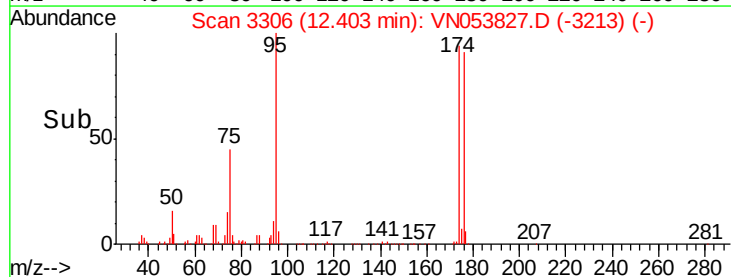
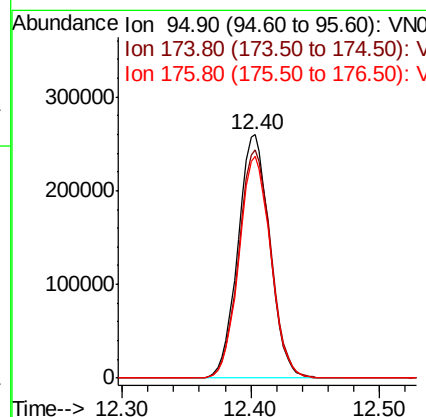
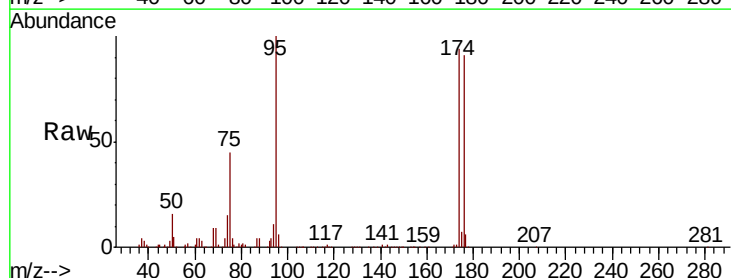
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117124ZHE#12

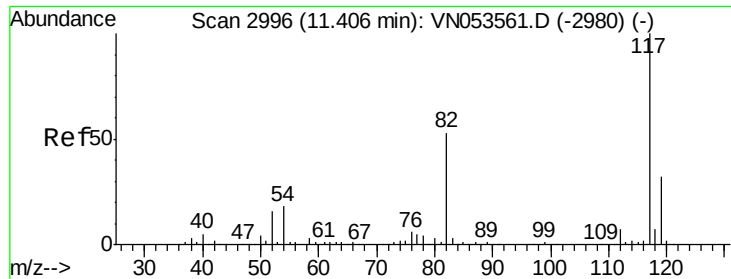
Tgt Ion: 43 Resp: 175510
 Ion Ratio Lower Upper
 43 100
 58 20.7 28.6 85.8#



#62
 4-Bromofluorobenzene
 Concen: 51.799 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053827.D
 Acq: 16 Feb 2019 4:14

Tgt Ion: 95 Resp: 445508
 Ion Ratio Lower Upper
 95 100
 174 95.0 0.0 183.2
 176 91.2 0.0 177.4

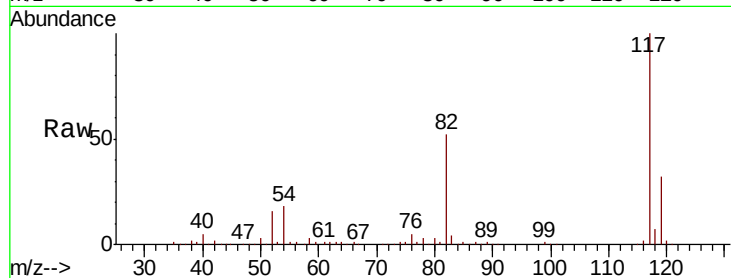




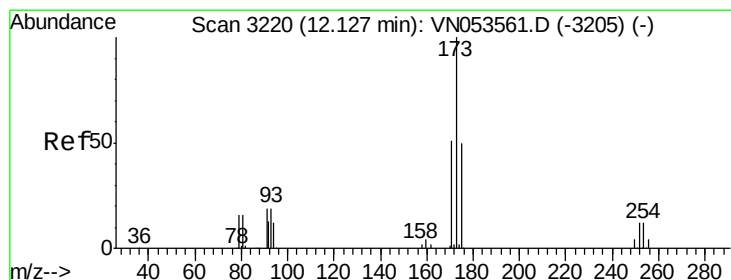
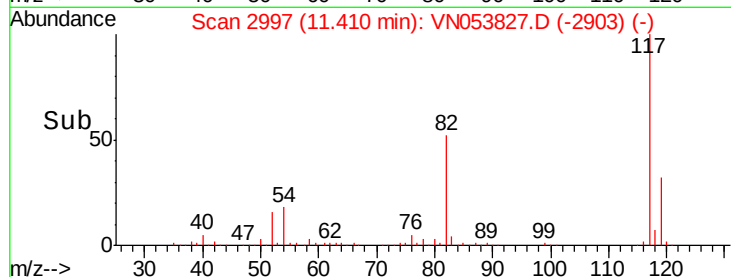
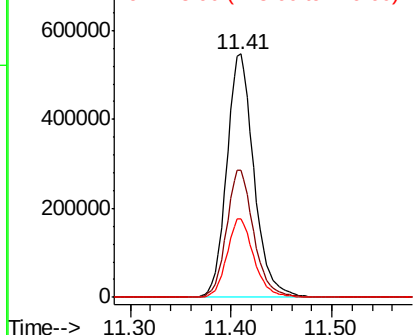
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053827.D
Acq: 16 Feb 2019 4:14

Instrument :
MSVOA_N
ClientSampleId :
PB117124ZHE#12

Tgt Ion:117 Resp: 1028031
Ion Ratio Lower Upper
117 100
82 52.1 42.9 64.3
119 32.4 26.0 39.0

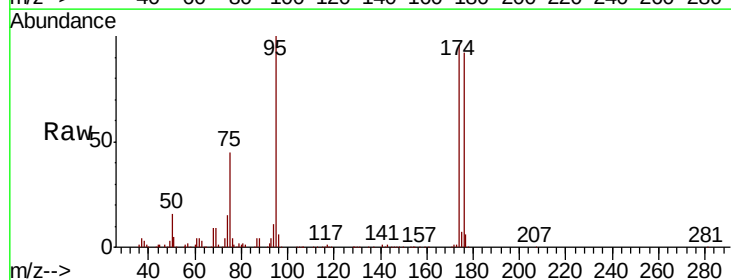


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

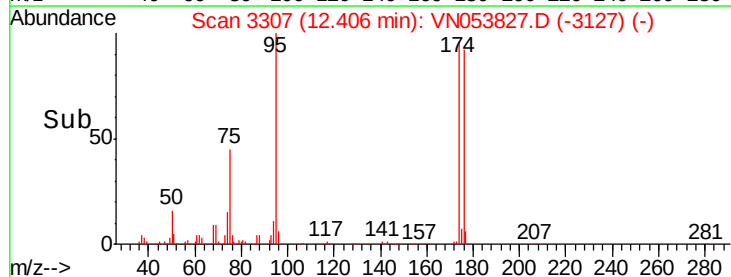
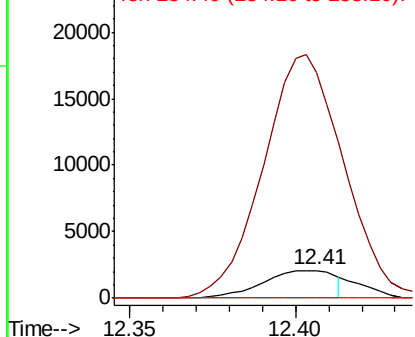


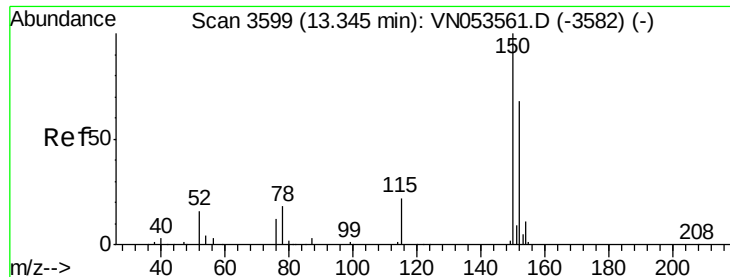
#71
Bromoform
Concen: 0.606 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN053827.D
Acq: 16 Feb 2019 4:14

Tgt Ion:173 Resp: 3166
Ion Ratio Lower Upper
173 100
175 833.1 24.6 74.0#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053827.D

Acq: 16 Feb 2019 4:14

Instrument :

MSVOA_N

ClientSampleId :

PB117124ZHE#12

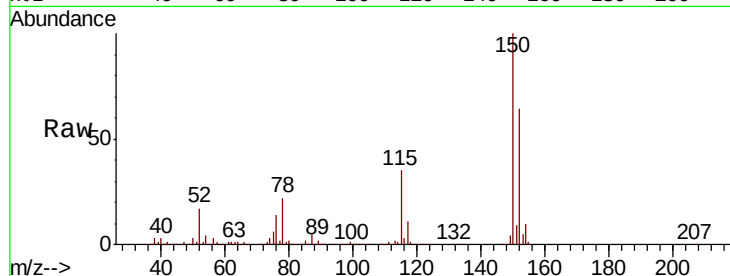
Tgt Ion:152 Resp: 426281

Ion Ratio Lower Upper

152 100

115 54.6 27.8 83.4

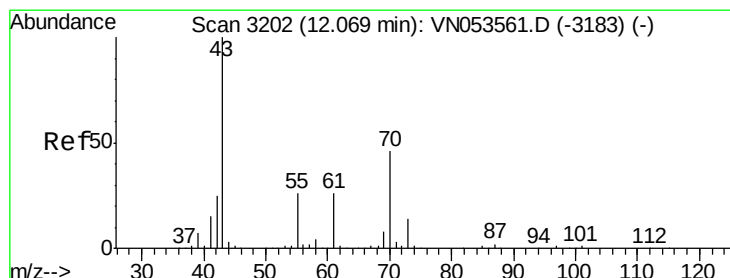
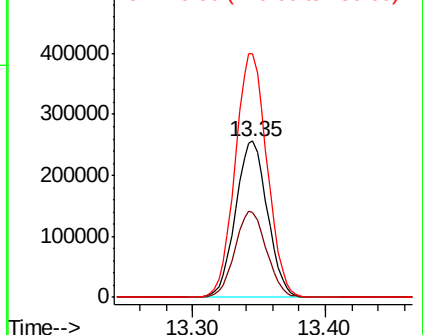
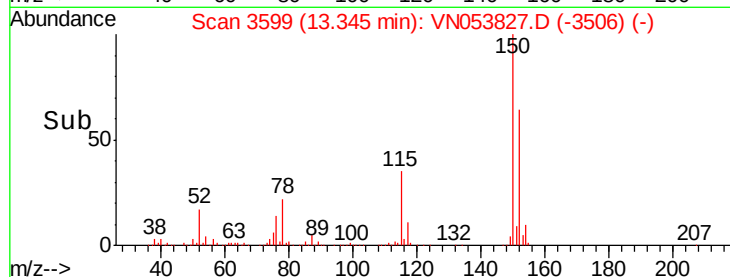
150 156.6 0.0 349.0



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



#74

N-ethyl acetate

Concen: 2.955 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053827.D

Acq: 16 Feb 2019 4:14

Tgt Ion: 43 Resp: 21297

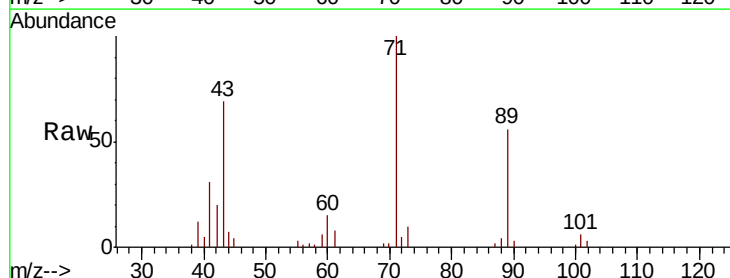
Ion Ratio Lower Upper

43 100

70 2.3 35.4 53.2#

55 4.3 20.9 31.3#

61 11.1 20.5 30.7#

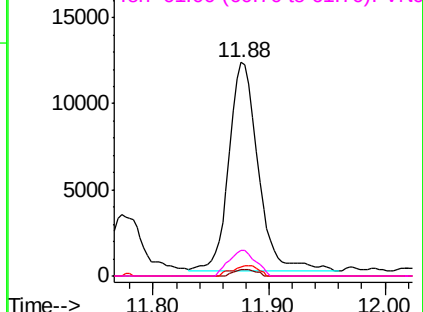
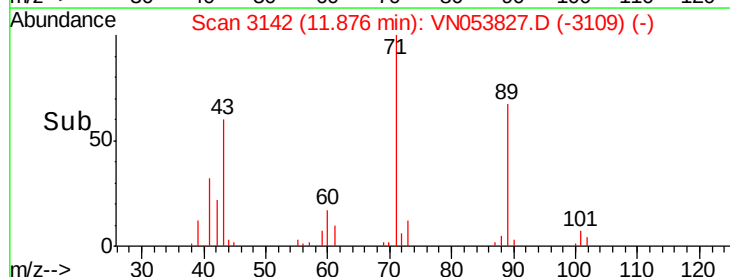


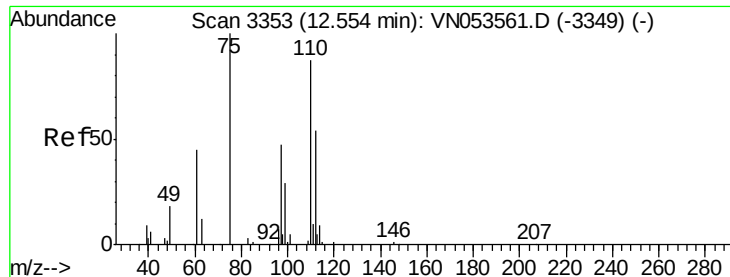
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 37.392 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053827.D

Acq: 16 Feb 2019 4:14

Instrument :

MSVOA_N

ClientSampleId :

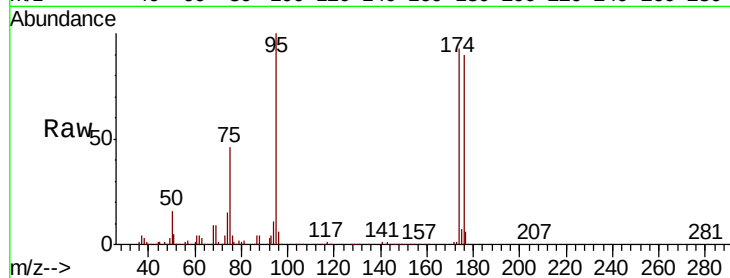
PB117124ZHE#12

Tgt Ion: 75 Resp: 204734

Ion Ratio Lower Upper

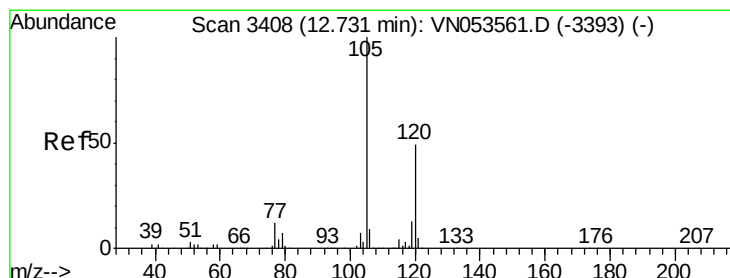
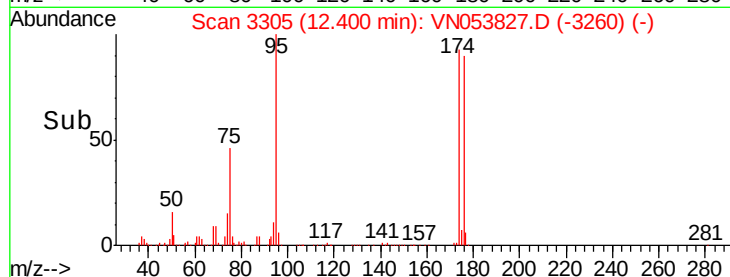
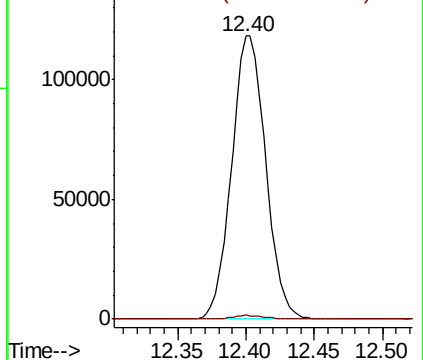
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#80

1,3,5-Trimethylbenzene

Concen: 0.822 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053827.D

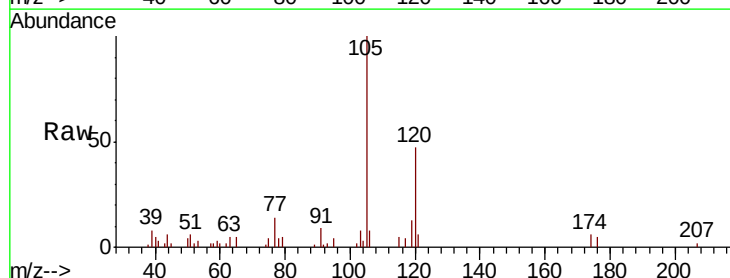
Acq: 16 Feb 2019 4:14

Tgt Ion: 105 Resp: 20428

Ion Ratio Lower Upper

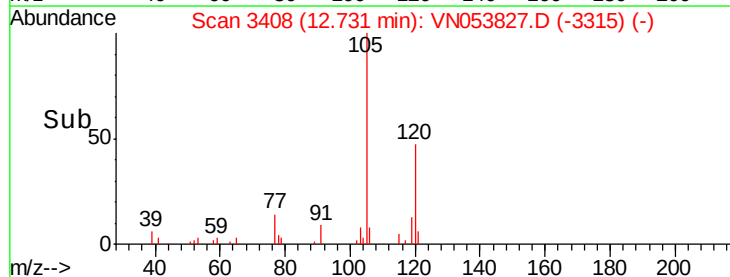
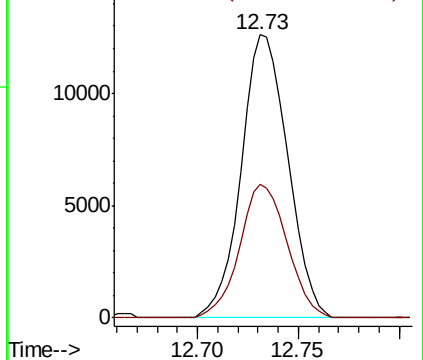
105 100

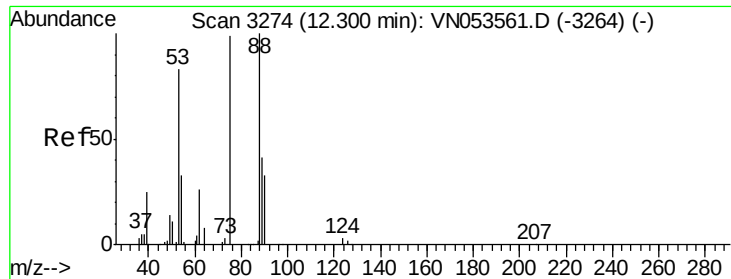
120 48.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 105.144 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053827.D

Acq: 16 Feb 2019 4:14

Instrument :

MSVOA_N

ClientSampleId :

PB117124ZHE#12

Tgt Ion: 75 Resp: 204734

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#

