

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051350.D
 Acq On : 20 Sep 2018 19:44
 Operator : MD\SY
 Sample : PB113045ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113045ZHE#01

Quant Time: Sep 21 06:44:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	817162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1192562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1019668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	400228	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	449514	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
35) Dibromofluoromethane	7.59	113	446182	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	
50) Toluene-d8	10.09	98	1619753	43.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.44%	
62) 4-Bromofluorobenzene	12.40	95	451994	37.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.00%	

Target Compounds

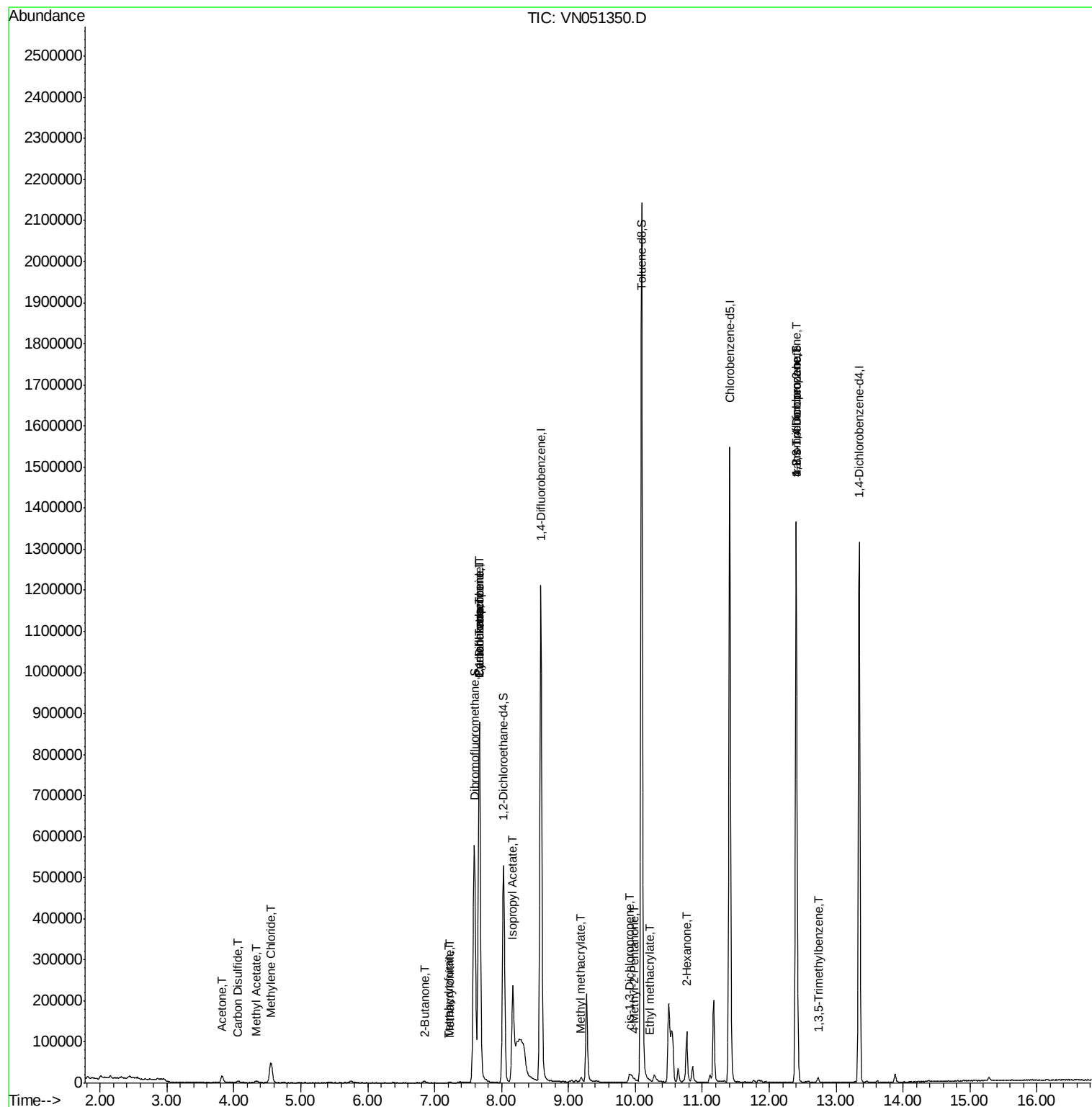
						Qvalue
16) Acetone	3.82	43	29066	15.98	ug/l	100
17) Carbon Disulfide	4.05	76	5882	0.26	ug/l #	83
18) Methyl Acetate	4.33	43	8371	1.34	ug/l	90
20) Methylene Chloride	4.55	84	39338	4.32	ug/l	93
25) 2-Butanone	6.85	43	5208	2.06	ug/l	93
29) Tetrahydrofuran	7.23	42	979	0.61	ug/l #	72
31) Cyclohexane	7.67	56	12907	0.90	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	48338	3.96	ug/l #	49
38) Carbon Tetrachloride	7.67	117	67132	5.09	ug/l #	17
41) Methacrylonitrile	7.23	41	831	0.26	ug/l #	20
43) Isopropyl Acetate	8.17	43	289537	27.38	ug/l	94
48) Methyl methacrylate	9.18	41	7218	1.34	ug/l #	15
51) 4-Methyl-2-Pentanone	9.99	43	3618	0.64	ug/l #	79
54) cis-1,3-Dichloropropene	9.91	75	3110	0.23	ug/l #	68
56) Ethyl methacrylate	10.23	69	2162	0.24	ug/l #	86
59) 2-Hexanone	10.77	43	23858	6.22	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	208751	36.12	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	5122	0.22	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	208751	125.04	ug/l #	14

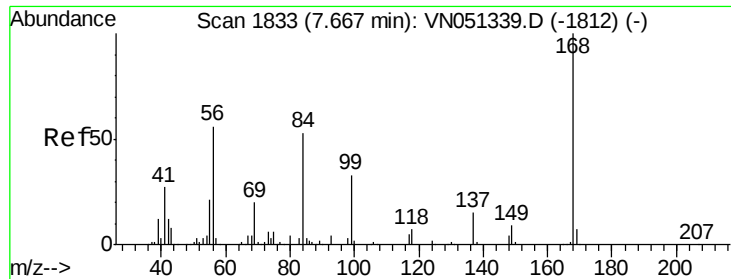
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051350.D

Acq: 20 Sep 2018 19:44

Instrument :

MSVOA_N

ClientSampleId :

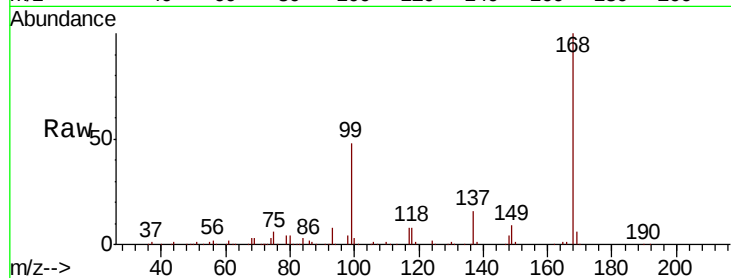
PB113045ZHE#01

Tot Ion:168 Resp: 817162

Ion Ratio Lower Upper

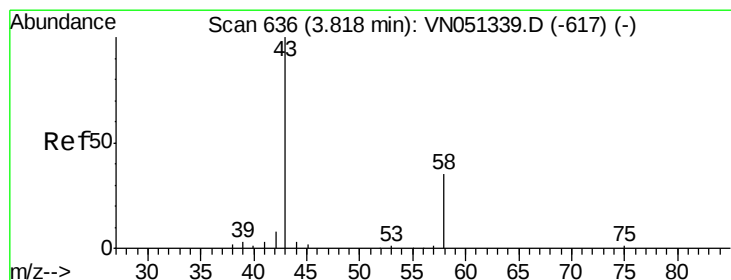
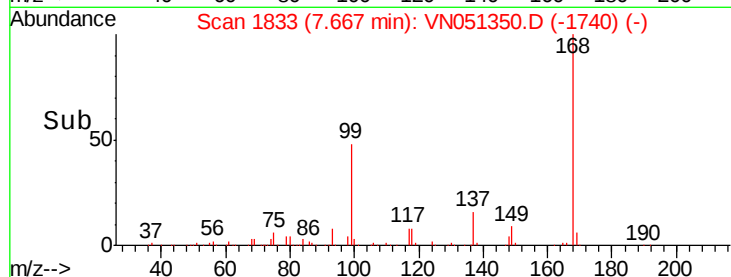
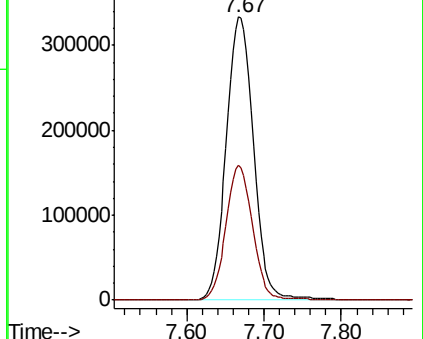
168 100

99 47.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 15.98 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051350.D

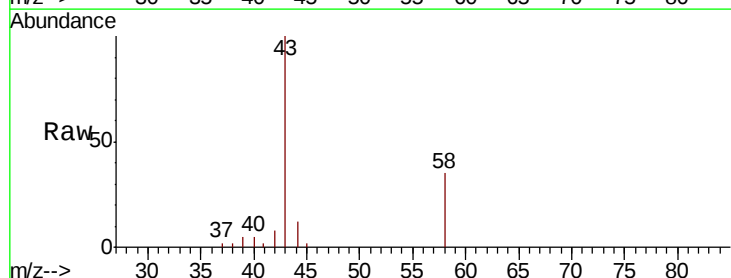
Acq: 20 Sep 2018 19:44

Tgt Ion: 43 Resp: 29066

Ion Ratio Lower Upper

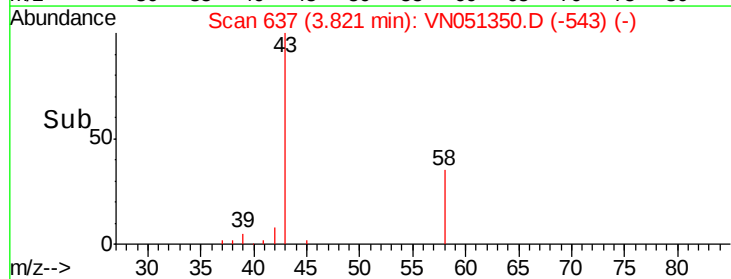
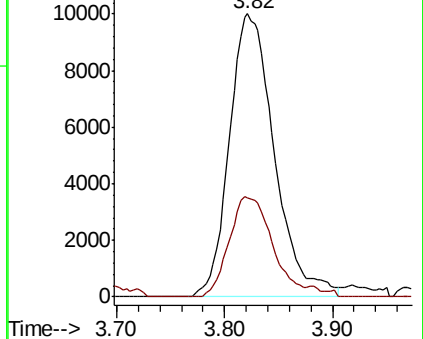
43 100

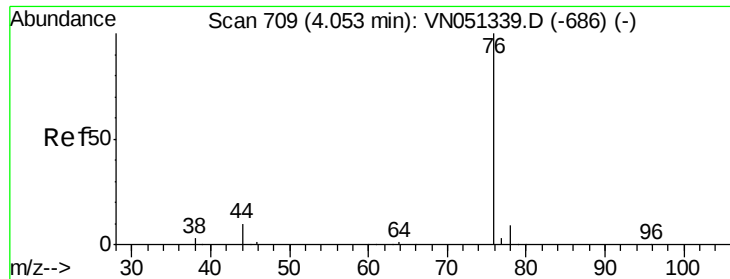
58 35.2 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

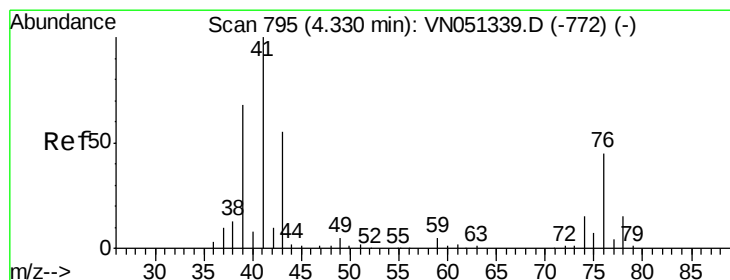
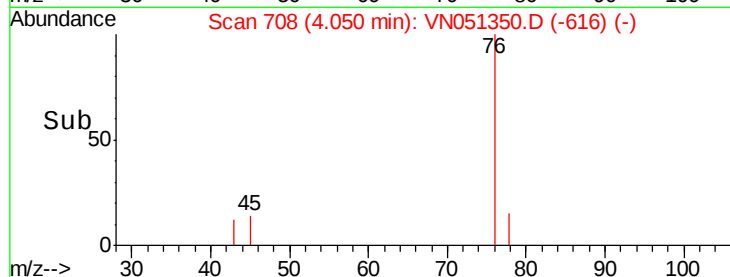
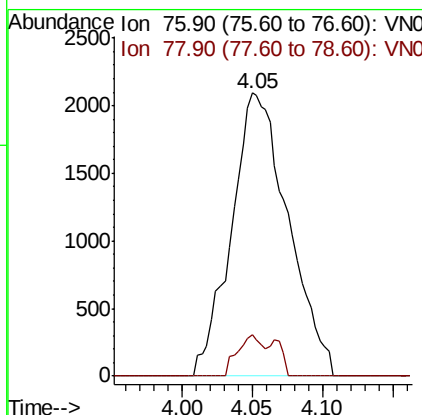
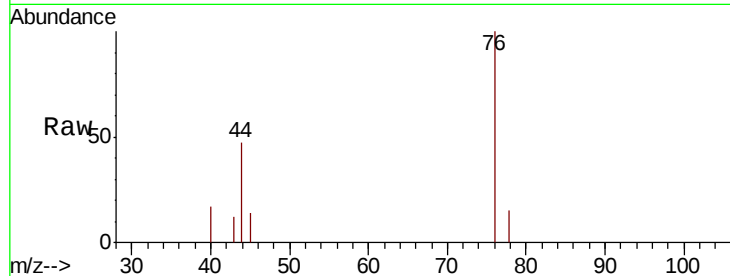




#17
Carbon Disulfide
Concen: 0.26 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051350.D
Acq: 20 Sep 2018 19:44

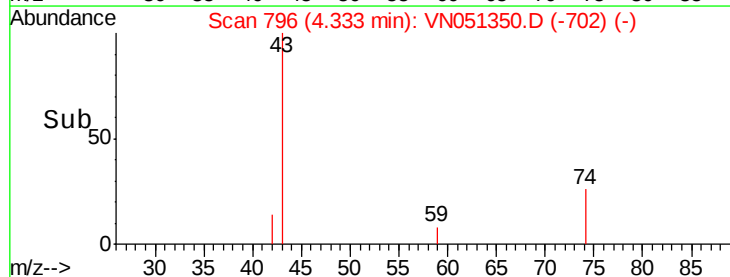
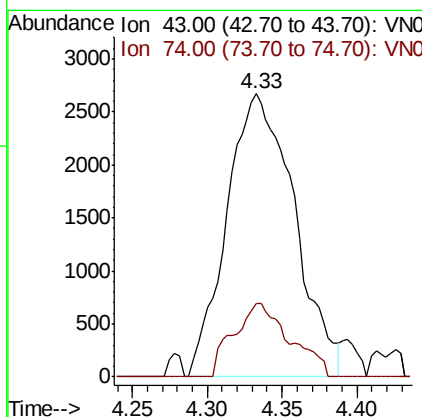
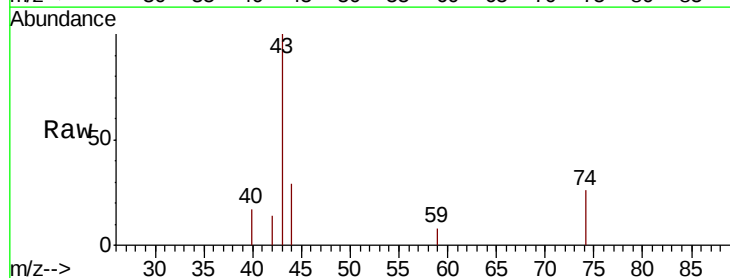
Instrument :
MSVOA_N
ClientSampleId :
PB113045ZHE#01

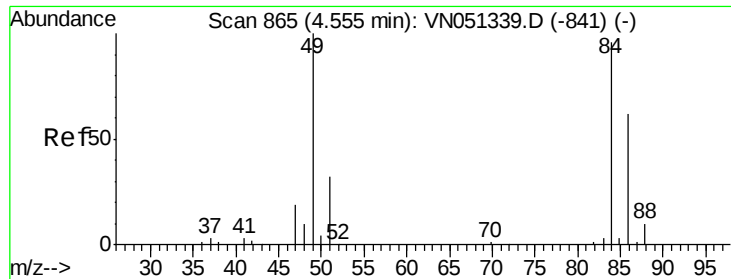
Tot Ion: 76 Resp: 5882
Ion Ratio Lower Upper
76 100
78 14.8 7.0 10.6#



#18
Methyl Acetate
Concen: 1.34 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051350.D
Acq: 20 Sep 2018 19:44

Tgt Ion: 43 Resp: 8371
Ion Ratio Lower Upper
43 100
74 21.7 21.7 32.5

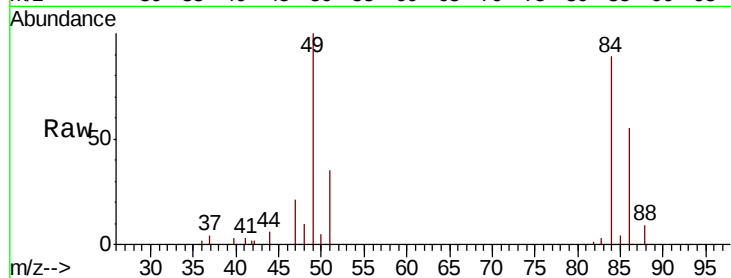




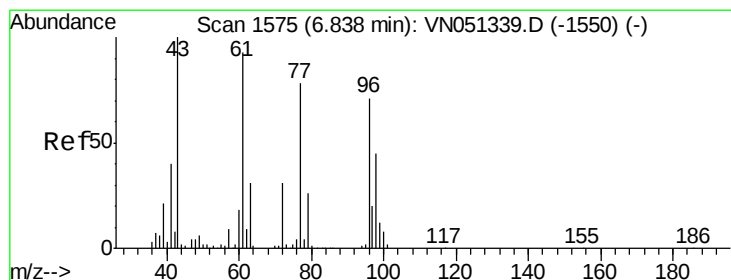
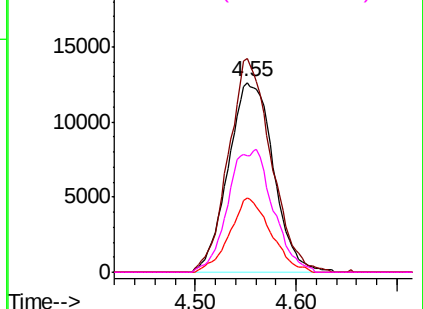
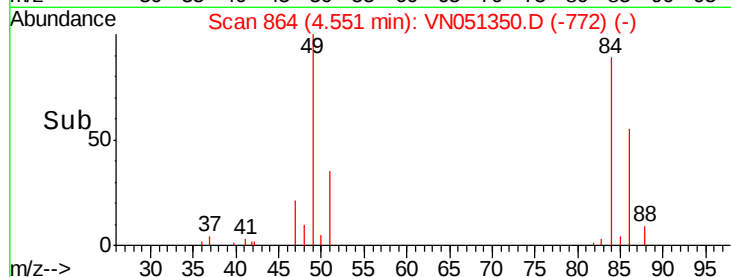
#20
Methylene Chloride
Concen: 4.32 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051350.D
Acq: 20 Sep 2018 19:44

Instrument :
MSVOA_N
ClientSampleId :
PB113045ZHE#01

Tot Ion: 84 Resp: 39338
Ion Ratio Lower Upper
84 100
49 112.7 83.2 124.8
51 39.4 26.4 39.6
86 61.5 51.4 77.0

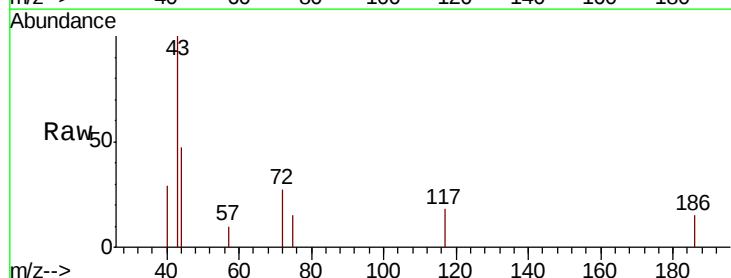


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

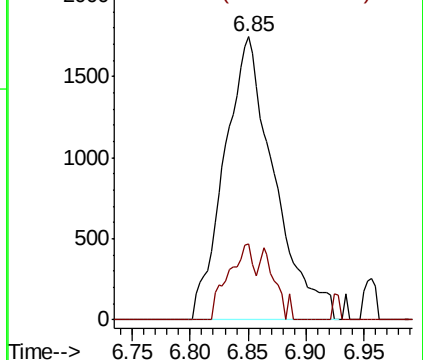
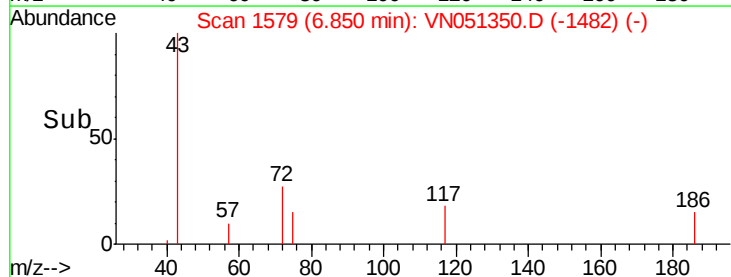


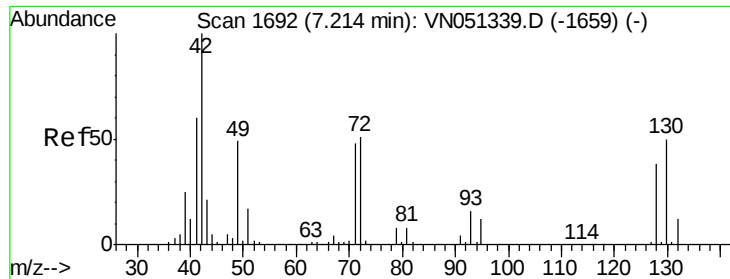
#25
2-Butanone
Concen: 2.06 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN051350.D
Acq: 20 Sep 2018 19:44

Tgt Ion: 43 Resp: 5208
Ion Ratio Lower Upper
43 100
72 26.9 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC





#29

Tetrahydrofuran

Concen: 0.61 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN051350.D

Acq: 20 Sep 2018 19:44

Instrument :

MSVOA_N

ClientSampleId :

PB113045ZHE#01

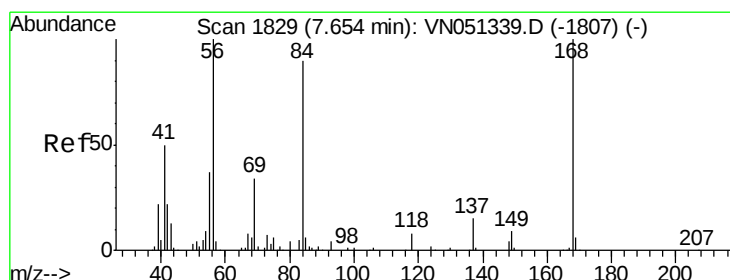
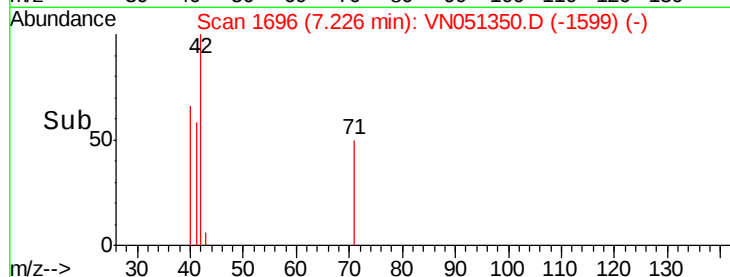
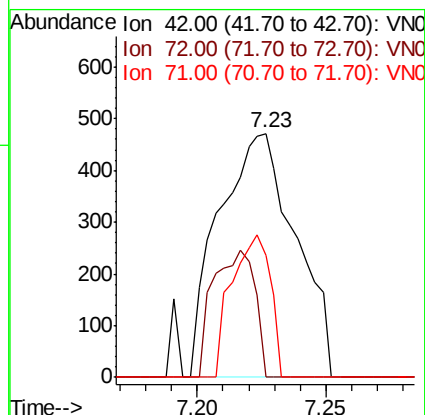
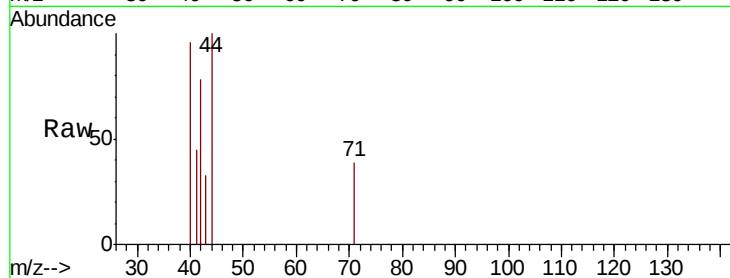
Tot Ion: 42 Resp: 979

Ion Ratio Lower Upper

42 100

72 28.0 39.0 58.4#

71 29.3 36.5 54.7#



#31

Cyclohexane

Concen: 0.90 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051350.D

Acq: 20 Sep 2018 19:44

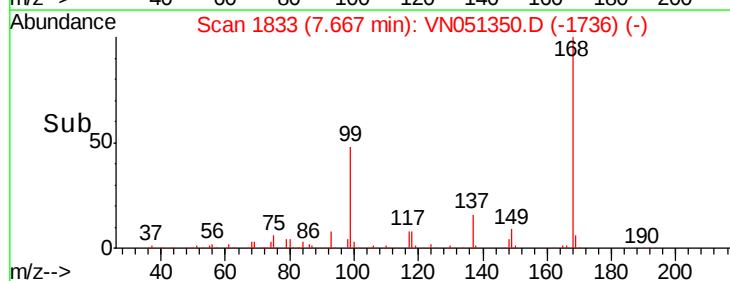
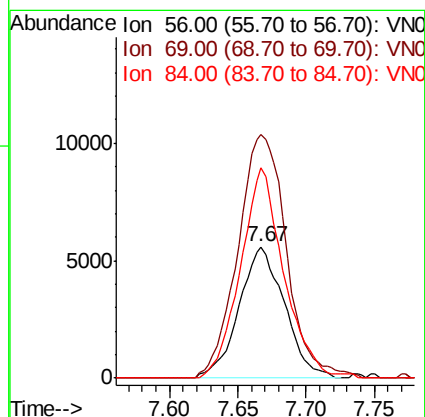
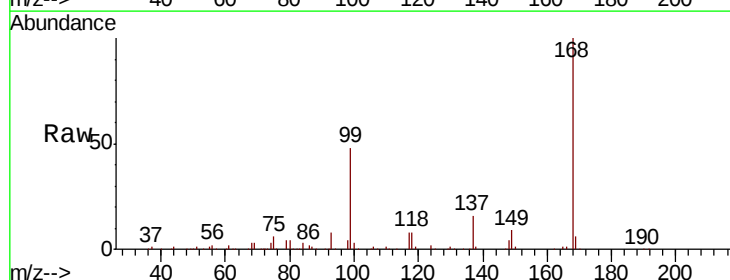
Tgt Ion: 56 Resp: 12907

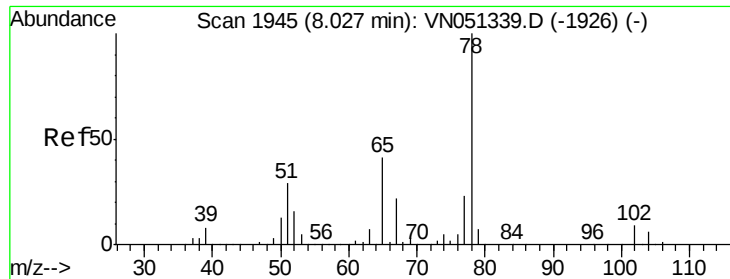
Ion Ratio Lower Upper

56 100

69 185.2 27.3 40.9#

84 160.0 72.2 108.2#

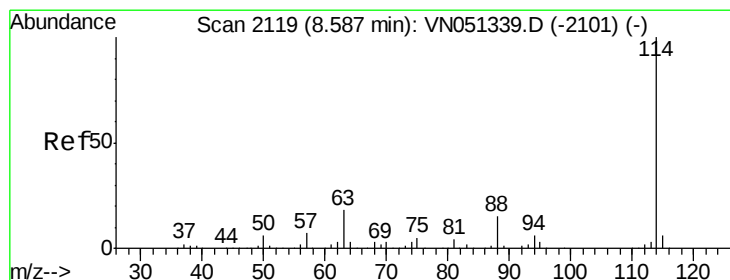
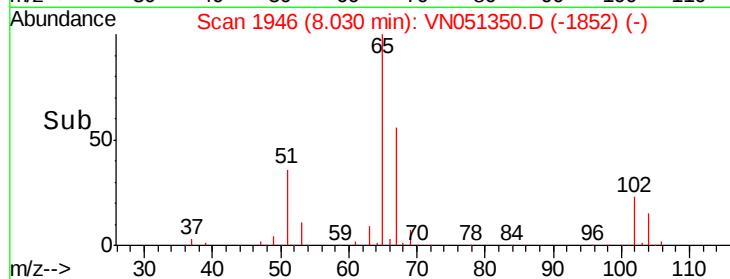
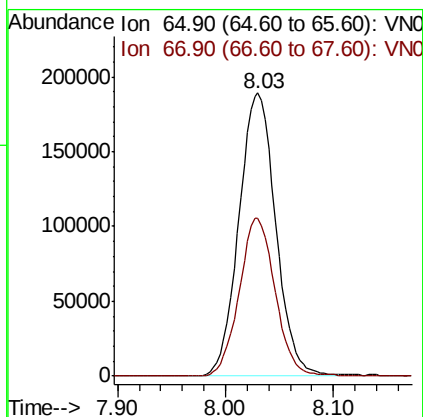
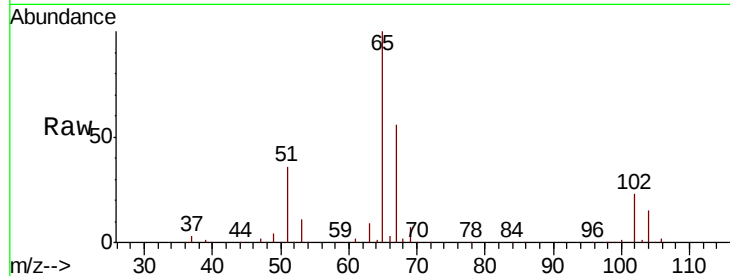




#33
 1,2-Dichloroethane-d4
 Concen: 50.75 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051350.D
 Acq: 20 Sep 2018 19:44

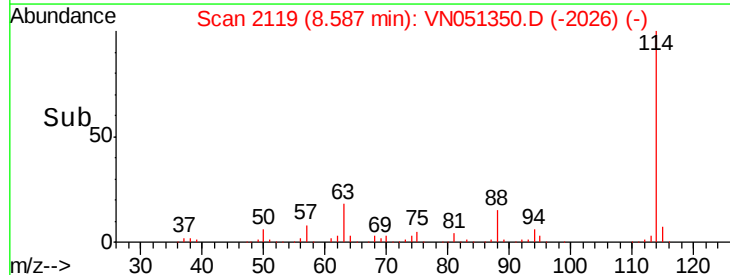
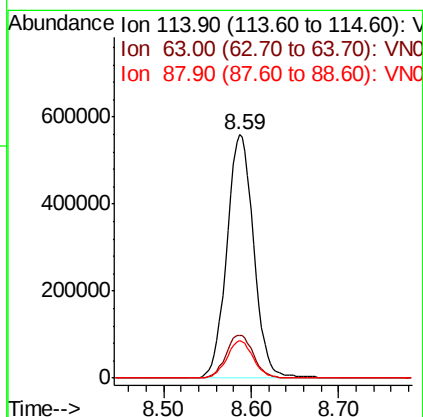
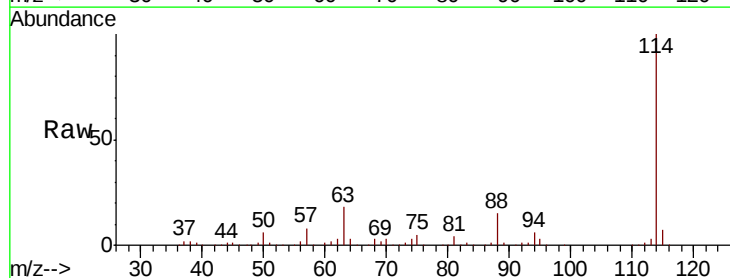
Instrument :
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 PB113045ZHE#01

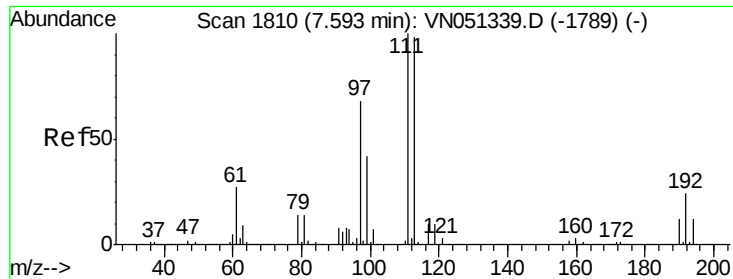
Tot Ion: 65 Resp: 449514
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051350.D
 Acq: 20 Sep 2018 19:44

Tgt Ion: 114 Resp: 1192562
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.6
 88 15.4 0.0 29.8

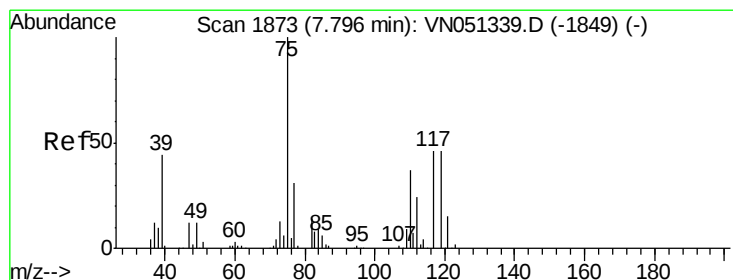
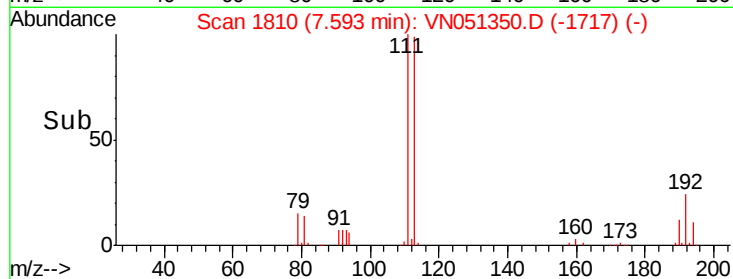
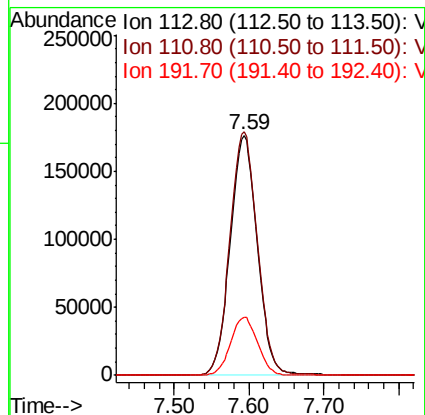
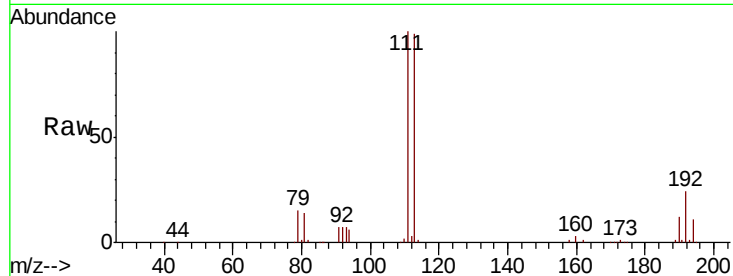




#35
 Dibromofluoromethane
 Concen: 46.30 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051350.D
 Acq: 20 Sep 2018 19:44

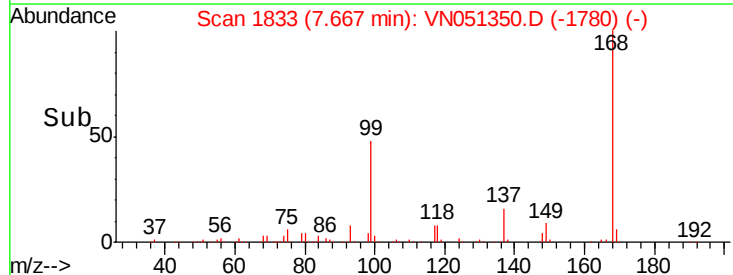
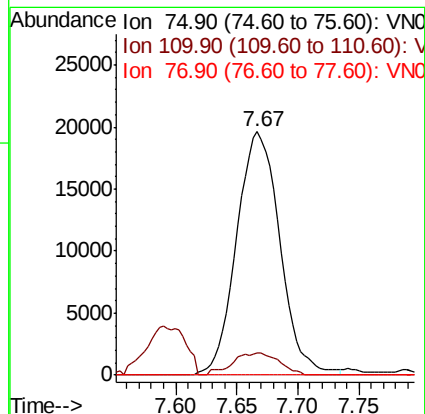
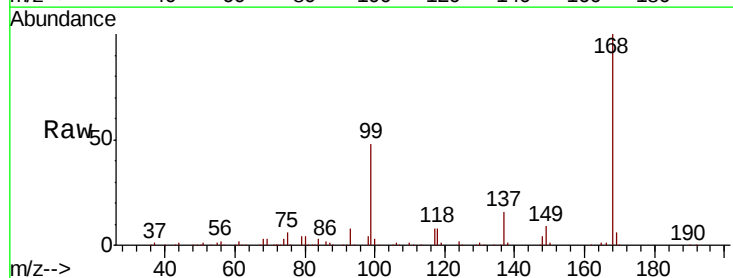
Instrument :
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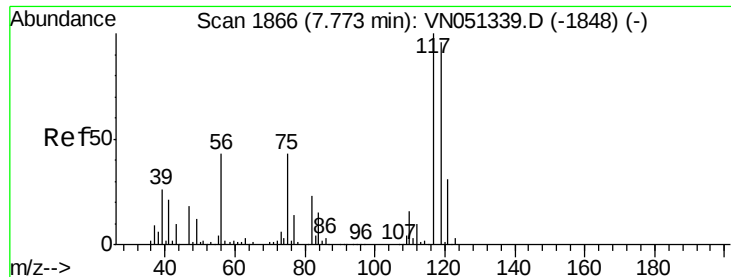
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	24.2	19.8	29.6



#36
 1,1-Dichloropropene
 Concen: 3.96 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051350.D
 Acq: 20 Sep 2018 19:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.9	56.5#
77	0.0	25.4	38.2#





#38

Carbon Tetrachloride

Concen: 5.09 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051350.D

Acq: 20 Sep 2018 19:44

Instrument :

MSVOA_N

ClientSampleId :

PB113045ZHE#01

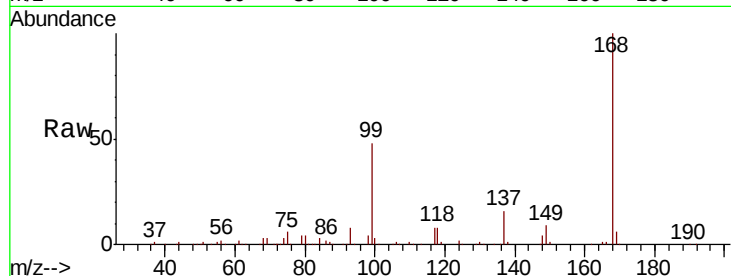
Tot Ion:117 Resp: 67132

Ion Ratio Lower Upper

117 100

119 6.2 77.0 115.4#

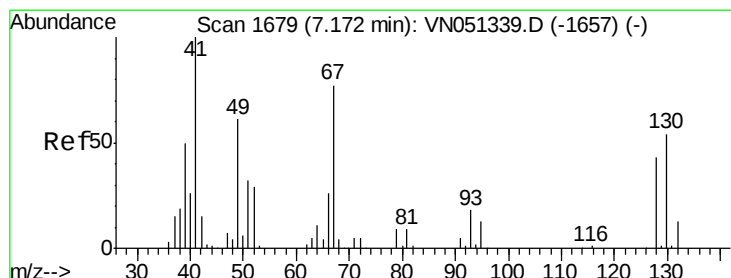
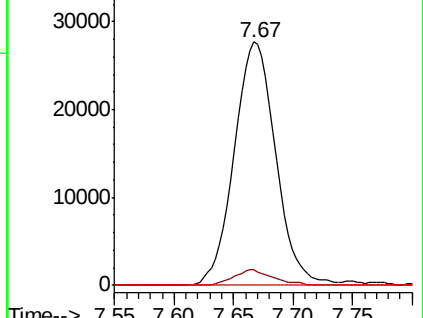
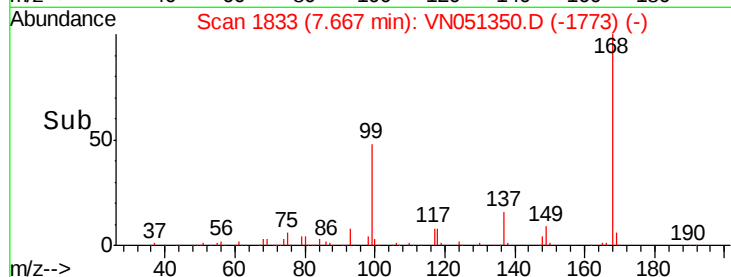
121 0.0 25.0 37.4#



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



#41

Methacrylonitrile

Concen: 0.26 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.06 min

Lab File: VN051350.D

Acq: 20 Sep 2018 19:44

Tgt Ion: 41 Resp: 831

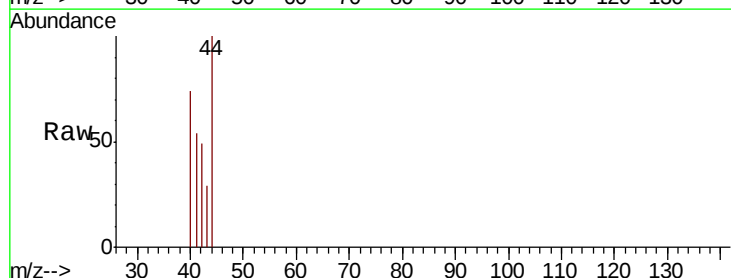
Ion Ratio Lower Upper

41 100

39 14.7 51.3 76.9#

67 0.0 77.0 115.4#

52 0.0 30.4 45.6#

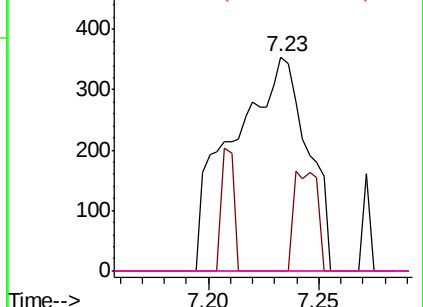
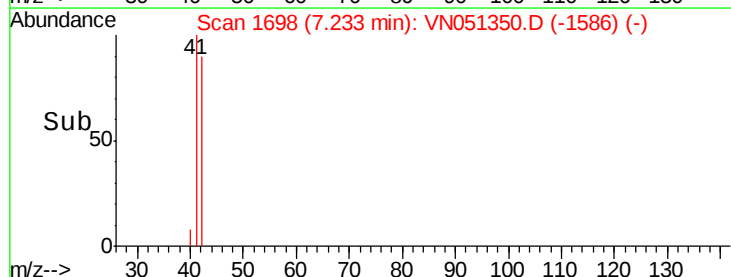


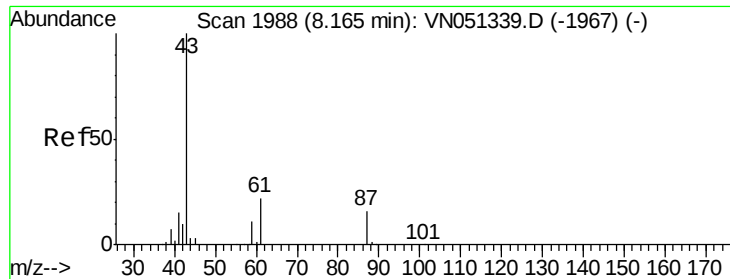
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V



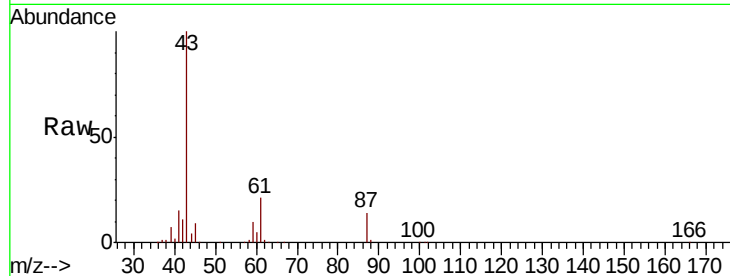


#43

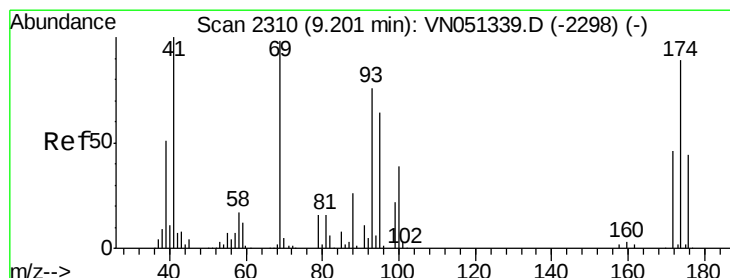
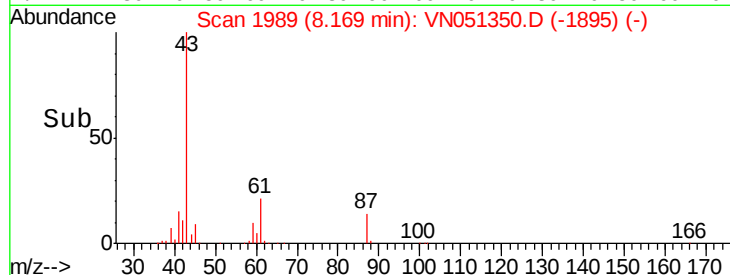
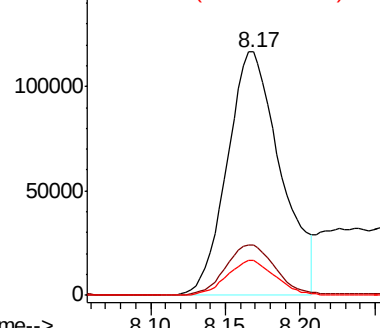
Isopropyl Acetate
 Concen: 27.38 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN051350.D
 Acq: 20 Sep 2018 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113045ZHE#01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	18.1	27.1
87	13.0	12.8	19.2



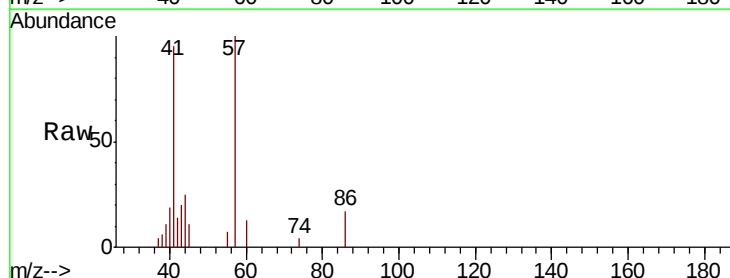
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



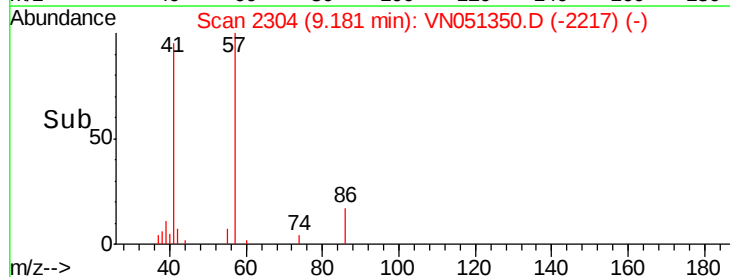
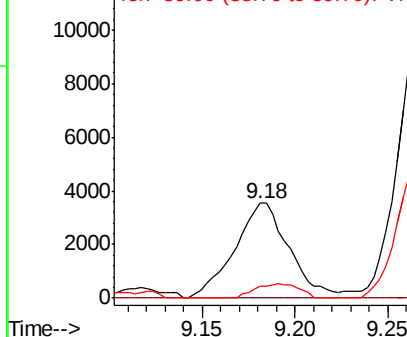
#48

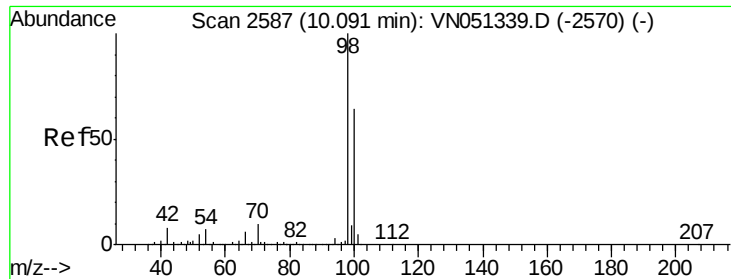
Methyl methacrylate
 Concen: 1.34 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN051350.D
 Acq: 20 Sep 2018 19:44

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	79.4	119.0#
39	12.1	43.0	64.6#



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 43.72 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051350.D

Acq: 20 Sep 2018 19:44

Instrument :

MSVOA_N

ClientSampleId :

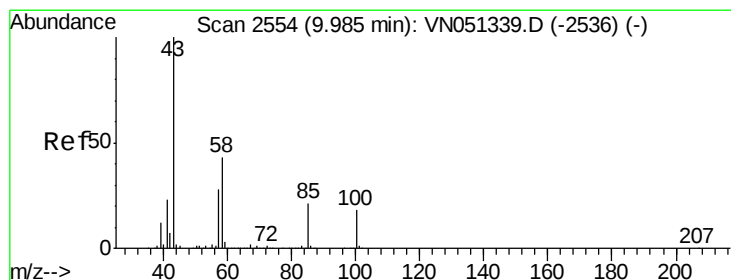
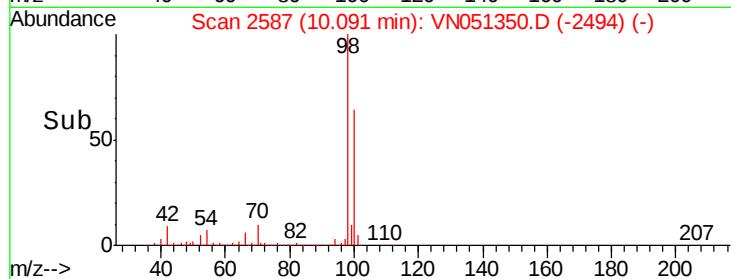
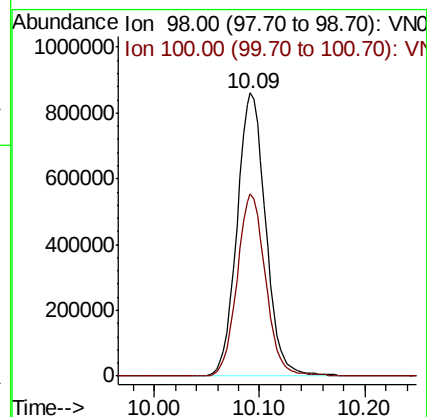
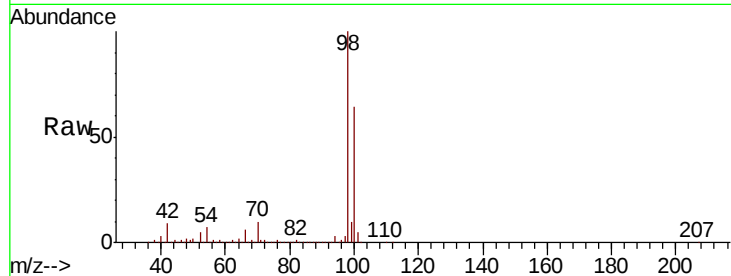
PB113045ZHE#01

Tot Ion: 98 Resp: 1619753

Ion Ratio Lower Upper

98 100

100 64.2 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 0.64 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN051350.D

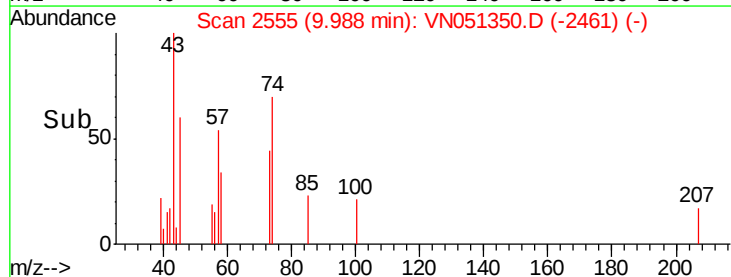
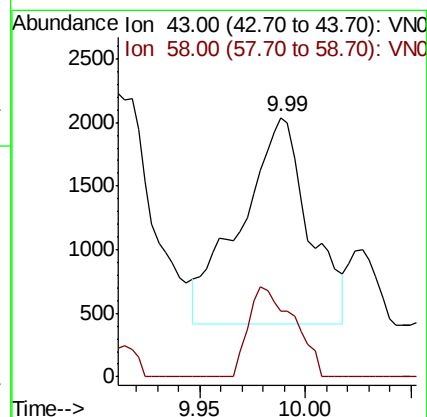
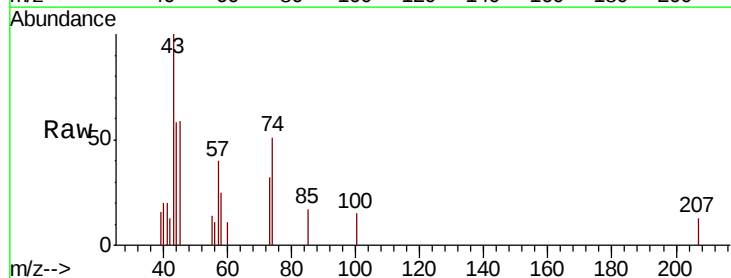
Acq: 20 Sep 2018 19:44

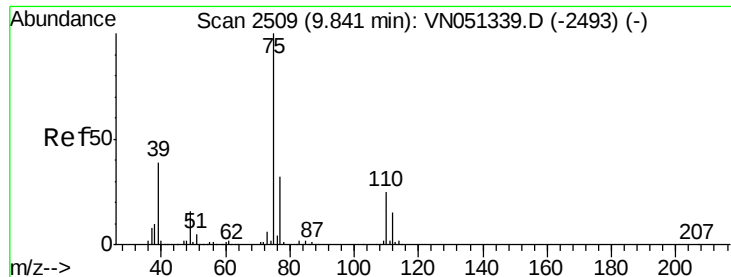
Tgt Ion: 43 Resp: 3618

Ion Ratio Lower Upper

43 100

58 29.2 34.2 51.4#





#54

cis-1,3-Dichloropropene

Concen: 0.23 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN051350.D

Acq: 20 Sep 2018 19:44

Instrument :

MSVOA_N

ClientSampleId :

PB113045ZHE#01

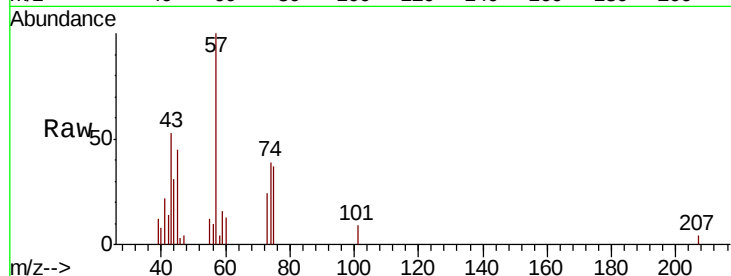
Tot Ion: 75 Resp: 3110

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

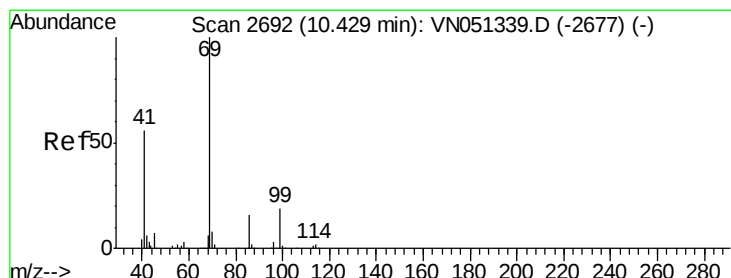
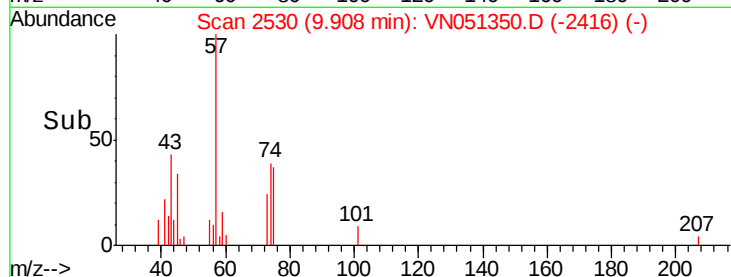
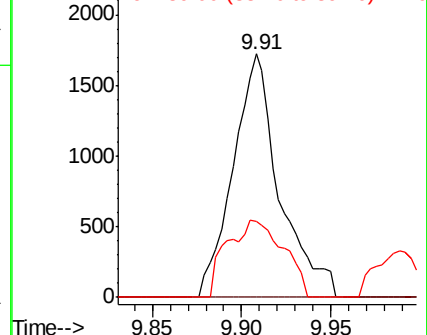
39 31.4 31.0 46.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 0.24 ug/l

RT: 10.23 min Scan# 2630

Delta R.T. -0.20 min

Lab File: VN051350.D

Acq: 20 Sep 2018 19:44

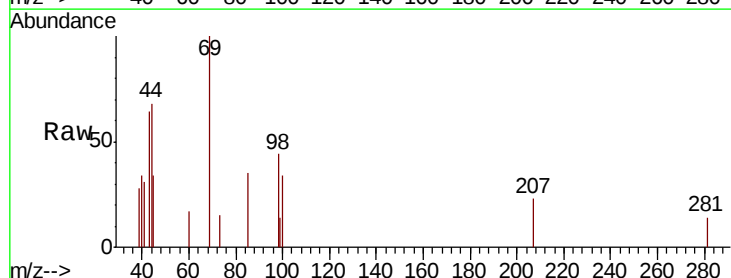
Tgt Ion: 69 Resp: 2162

Ion Ratio Lower Upper

69 100

41 41.9 45.1 67.7#

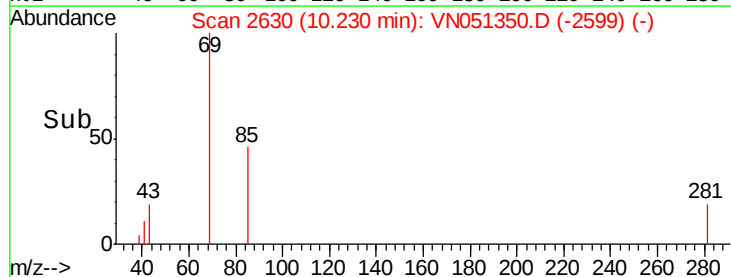
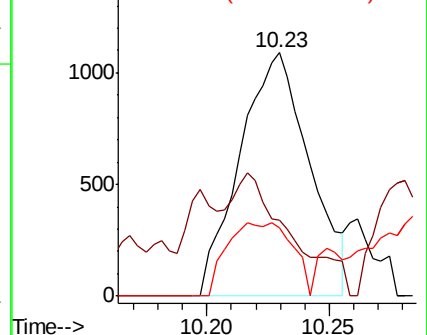
39 28.1 23.4 35.2

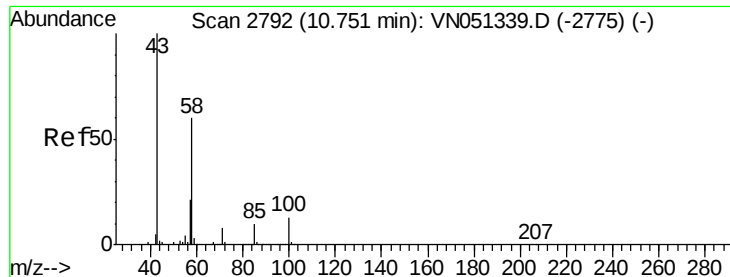


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#59

2-Hexanone

Concen: 6.22 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.02 min

Lab File: VN051350.D

Acq: 20 Sep 2018 19:44

Instrument :

MSVOA_N

ClientSampleId :

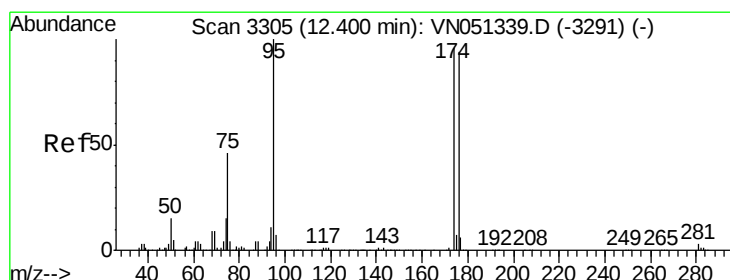
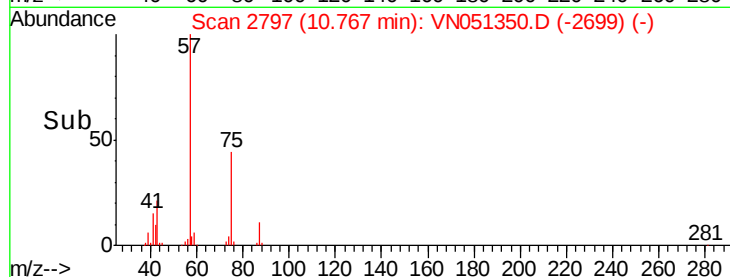
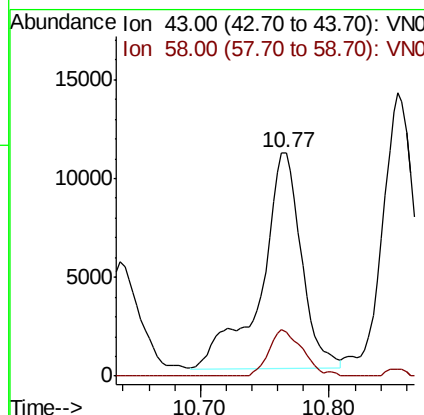
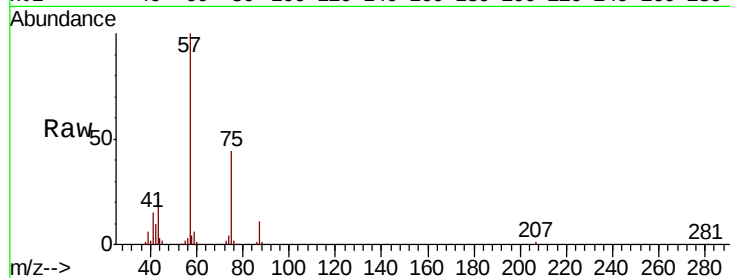
PB113045ZHE#01

Tot Ion: 43 Resp: 23858

Ion Ratio Lower Upper

43 100

58 17.9 29.9 89.8#



#62

4-Bromofluorobenzene

Concen: 37.50 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051350.D

Acq: 20 Sep 2018 19:44

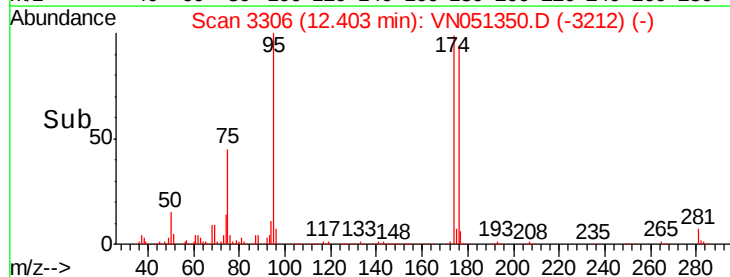
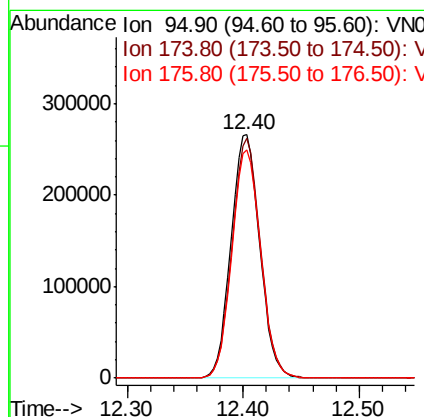
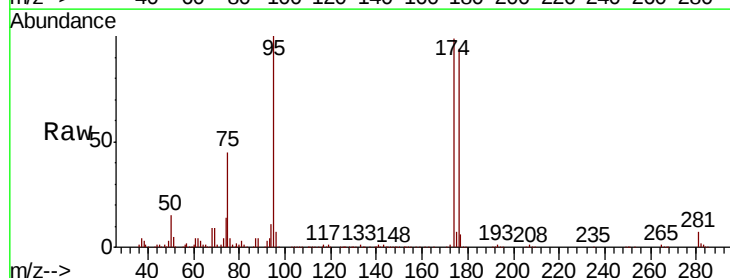
Tgt Ion: 95 Resp: 451994

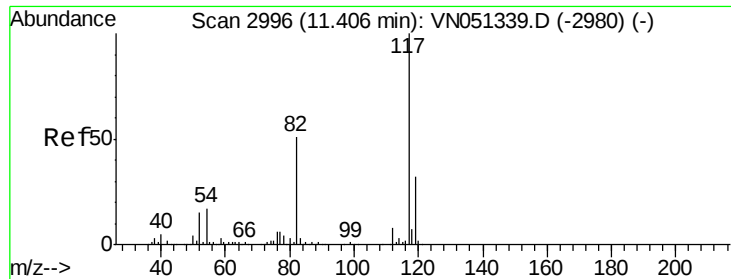
Ion Ratio Lower Upper

95 100

174 97.5 0.0 194.6

176 94.0 0.0 189.6

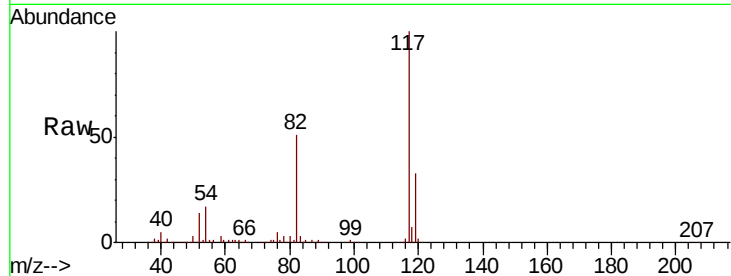




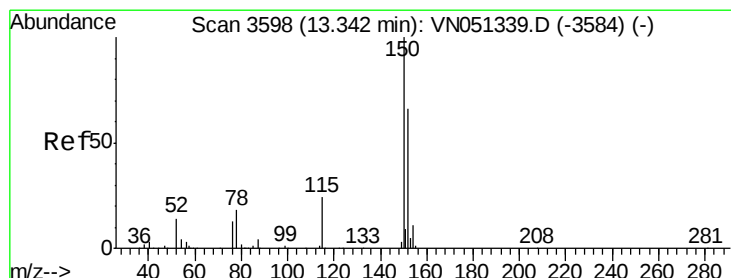
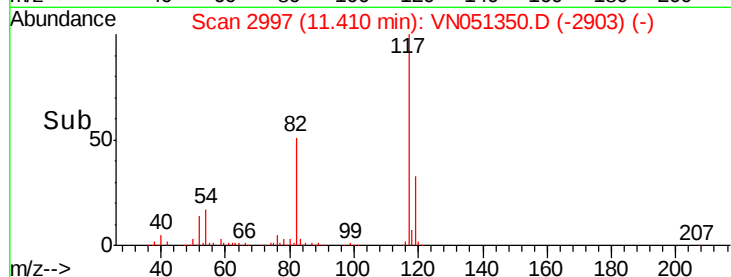
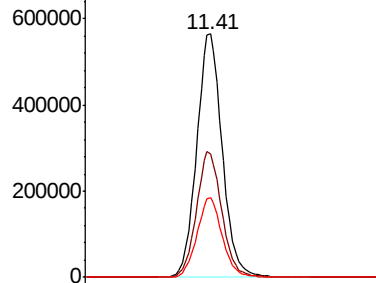
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051350.D
Acq: 20 Sep 2018 19:44

Instrument :
MSVOA_N
ClientSampleId :
PB113045ZHE#01

Tot Ion:117 Resp: 1019668
Ion Ratio Lower Upper
117 100
82 50.9 40.7 61.1
119 32.9 25.3 37.9

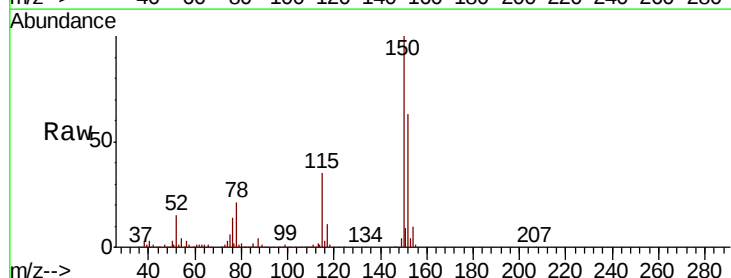


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

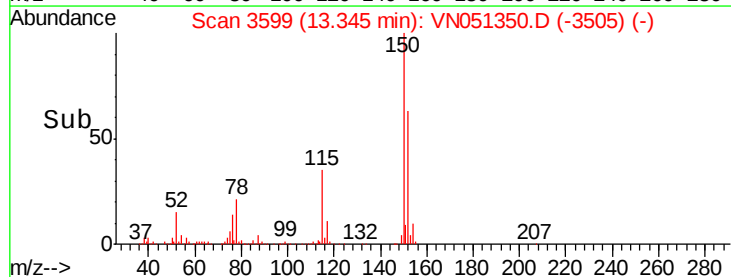
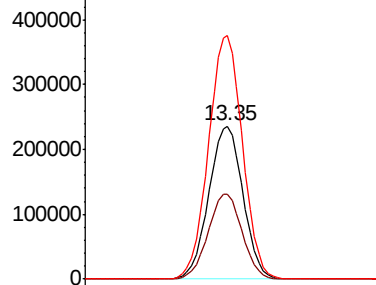


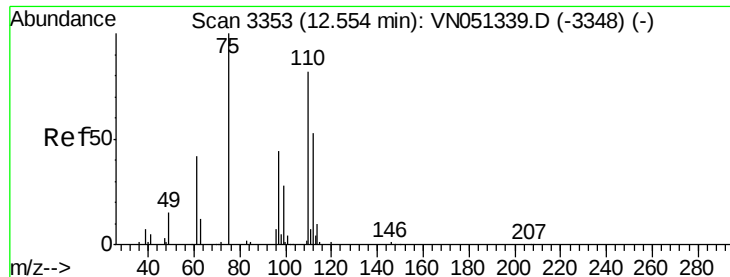
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051350.D
Acq: 20 Sep 2018 19:44

Tgt Ion:152 Resp: 400228
Ion Ratio Lower Upper
152 100
115 55.2 26.9 80.7
150 157.9 0.0 345.0



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

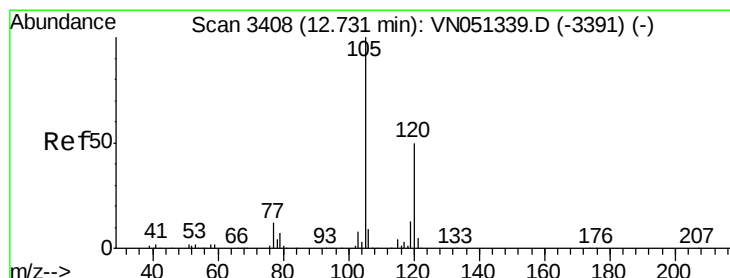
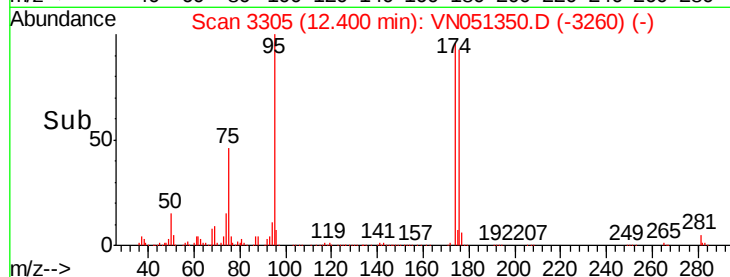
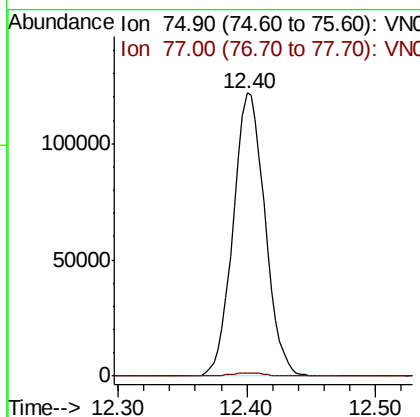
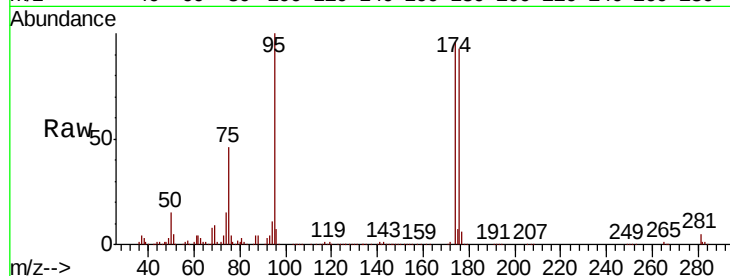




#76
 1,2,3-Trichloropropane
 Concen: 36.12 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN051350.D
 Acq: 20 Sep 2018 19:44

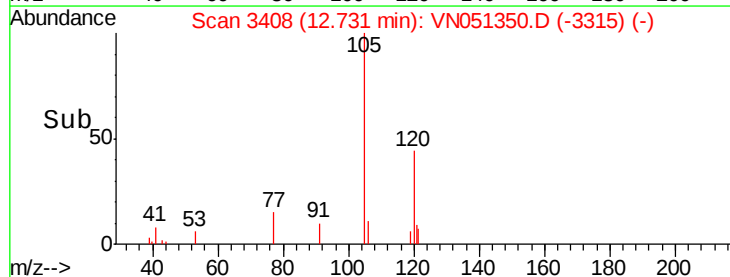
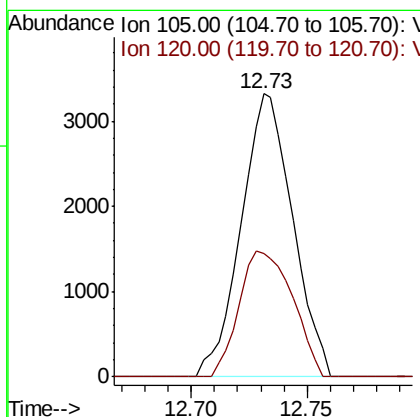
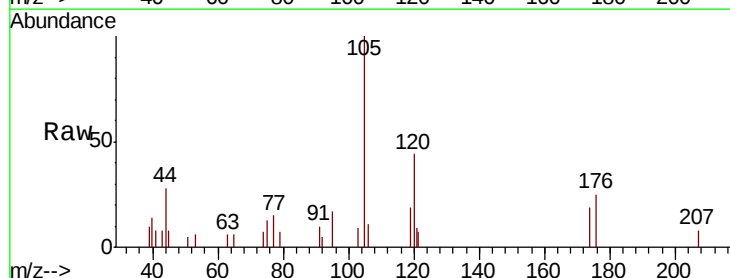
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113045ZHE#01

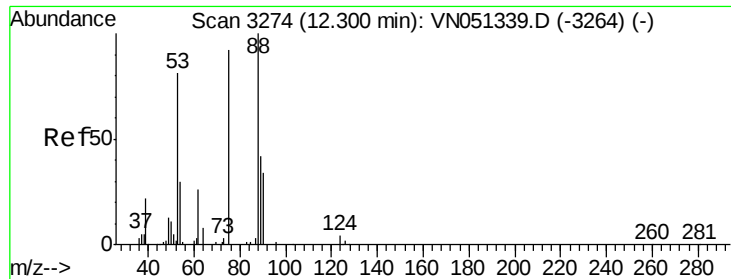
Tot Ion: 75 Resp: 208751
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.22 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN051350.D
 Acq: 20 Sep 2018 19:44

Tgt Ion:105 Resp: 5122
 Ion Ratio Lower Upper
 105 100
 120 46.3 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 125.04 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051350.D

Acq: 20 Sep 2018 19:44

Instrument :

MSVOA_N

ClientSampleId :

PB113045ZHE#01

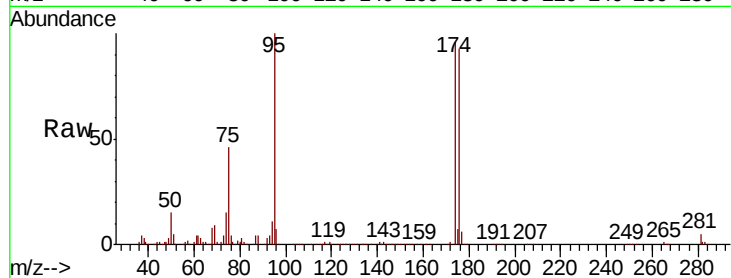
Tot Ion: 75 Resp: 208751

Ion Ratio Lower Upper

75 100

53 0.1 69.9 104.9#

89 0.0 37.9 56.9#



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

