

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092618\
 Data File : VN051510.D
 Acq On : 26 Sep 2018 2:32
 Operator : MD\SY
 Sample : PB113167ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113167ZHE#04

Quant Time: Sep 26 04:14:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	630557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1014976	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	853007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	315317	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	444836	56.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.64%	
35) Dibromofluoromethane	7.59	113	391079	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
50) Toluene-d8	10.09	98	1405557	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
62) 4-Bromofluorobenzene	12.40	95	385934	39.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.06%	

Target Compounds

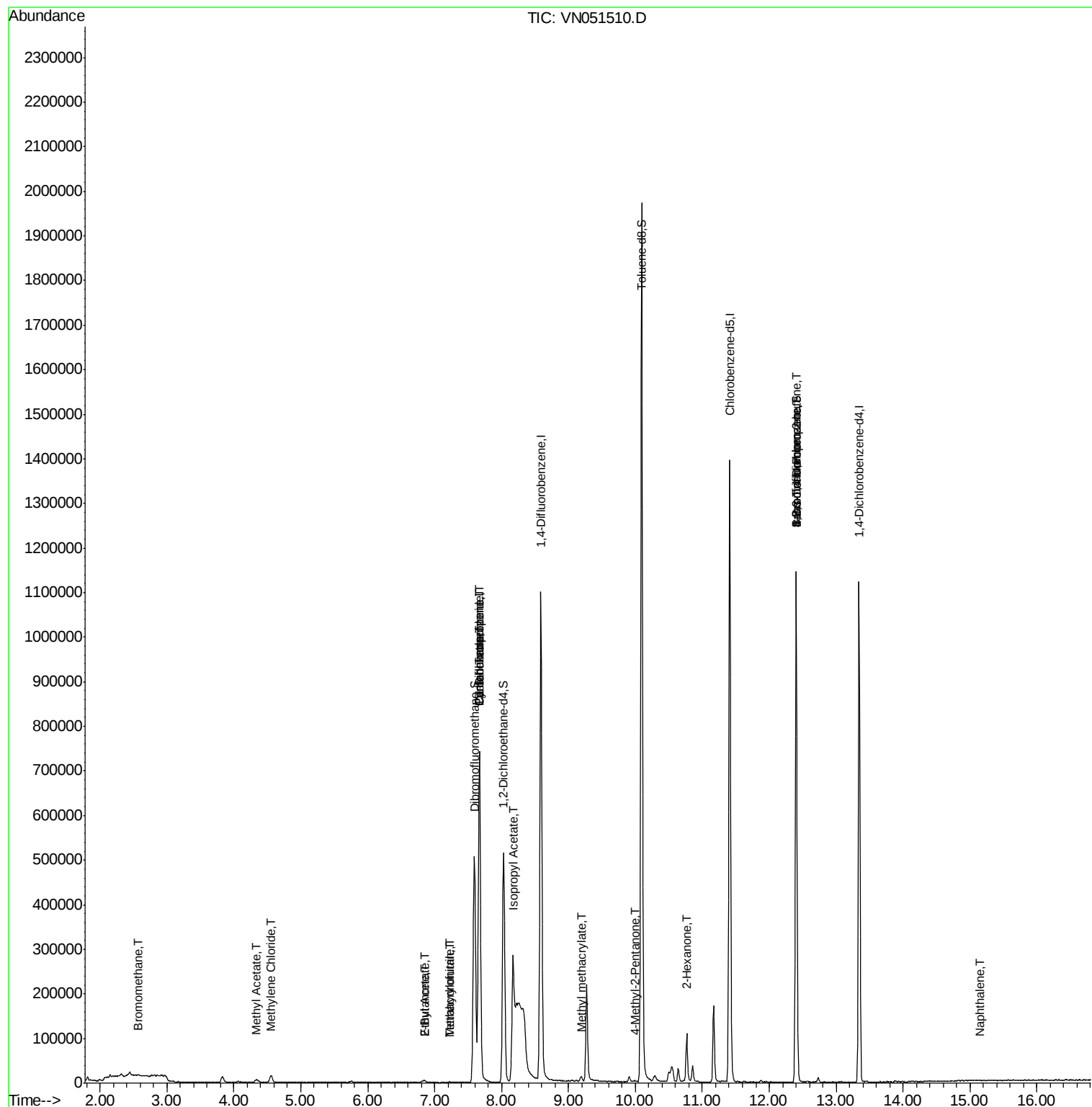
					Qvalue	
5) Bromomethane	2.57	94	987	0.218	ug/l #	28
16) Acetone	3.83	43	20784	Below	Cal	97
18) Methyl Acetate	4.34	43	13724	2.281	ug/l	95
20) Methylene Chloride	4.55	84	12055	1.542	ug/l	93
25) 2-Butanone	6.86	43	4255	1.574	ug/l #	82
29) Tetrahydrofuran	7.22	42	840	0.490	ug/l #	68
31) Cyclohexane	7.67	56	12576	1.011	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44845	3.815	ug/l #	47
37) Ethyl Acetate	6.86	43	4255	0.630	ug/l #	68
38) Carbon Tetrachloride	7.67	117	56758	4.617	ug/l #	17
41) Methacrylonitrile	7.22	41	766	0.205	ug/l #	28
43) Isopropyl Acetate	8.17	43	352756	28.867	ug/l #	88
48) Methyl methacrylate	9.18	41	5794	0.951	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	2794	0.416	ug/l #	80
59) 2-Hexanone	10.77	43	16930	3.886	ug/l #	53
71) Bromoform	12.40	173	2025	0.358	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	191241	36.535	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	191241	112.343	ug/l #	12
95) Naphthalene	15.14	128	205	8.059	ug/l #	69

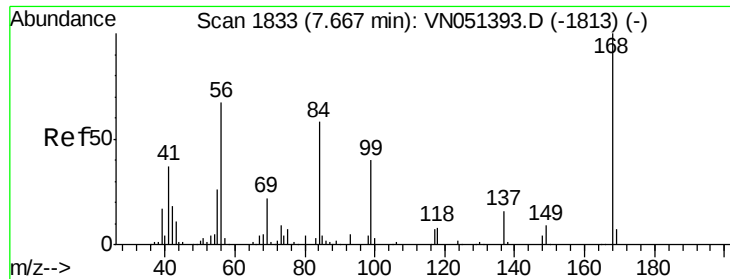
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092618\
Data File : VN051510.D
Acq On : 26 Sep 2018 2:32
Operator : MD\SY
Sample : PB113167ZHE#04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB113167ZHE#04

Quant Time: Sep 26 04:14:07 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051510.D

Acq: 26 Sep 2018 2:32

Instrument :

MSVOA_N

ClientSampleId :

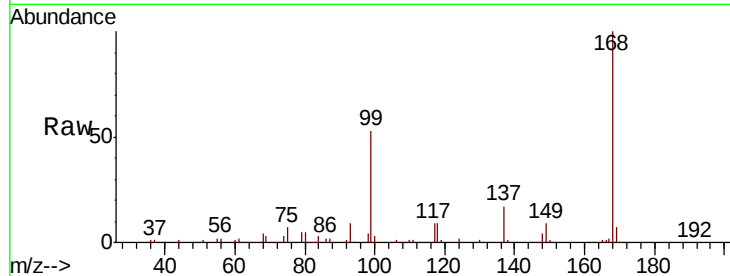
PB113167ZHE#04

Tot Ion:168 Resp: 630557

Ion Ratio Lower Upper

168 100

99 52.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051510.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN051510.D (-1740) (-)

7.67

250000

200000

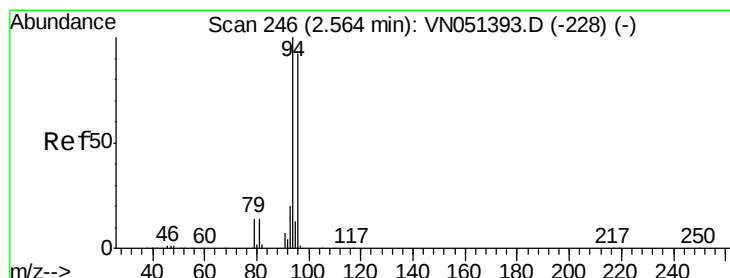
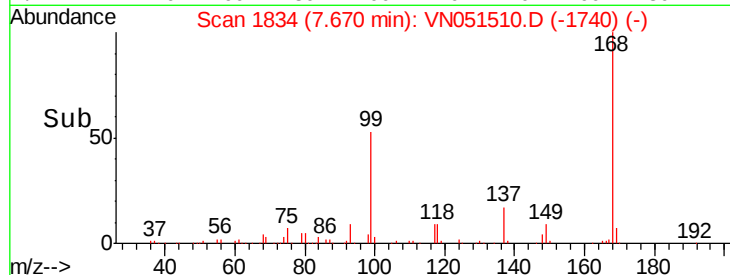
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.218 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051510.D

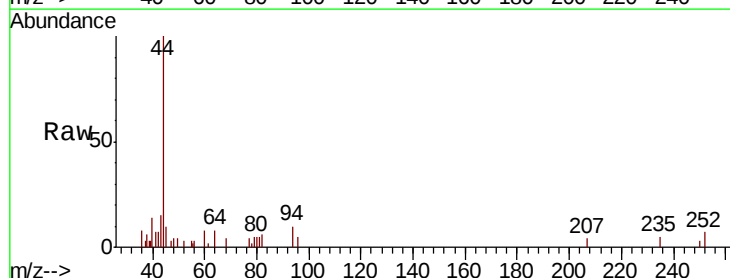
Acq: 26 Sep 2018 2:32

Tgt Ion: 94 Resp: 987

Ion Ratio Lower Upper

94 100

96 23.5 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN051510.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN051510.D (-153) (-)

2.57

800

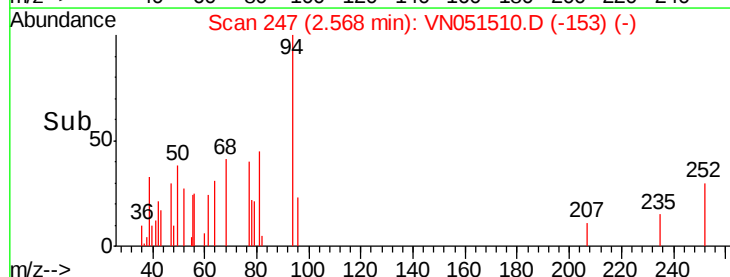
600

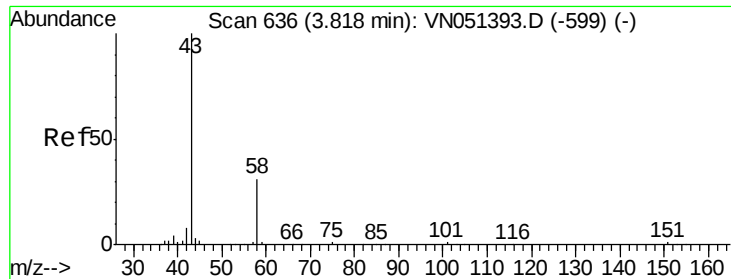
400

200

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051510.D

Acq: 26 Sep 2018 2:32

Instrument :

MSVOA_N

ClientSampleId :

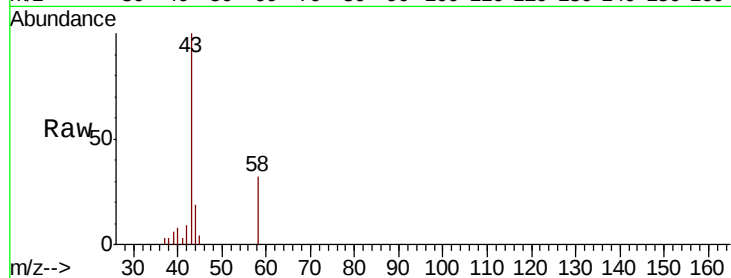
PB113167ZHE#04

Tot Ion: 43 Resp: 20784

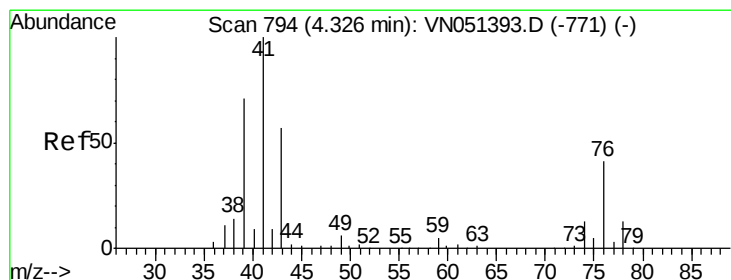
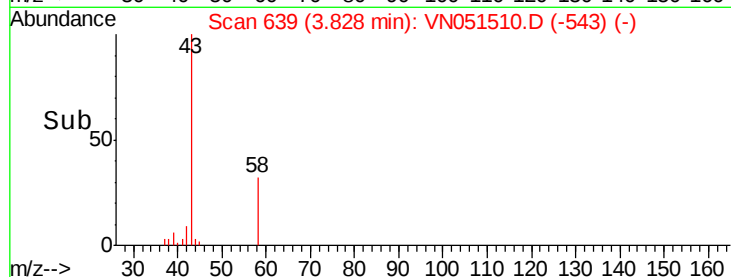
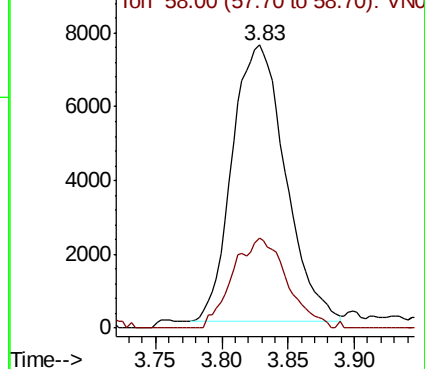
Ion Ratio Lower Upper

43 100

58 32.7 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN051510.D (-543) (-)



#18

Methyl Acetate

Concen: 2.281 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN051510.D

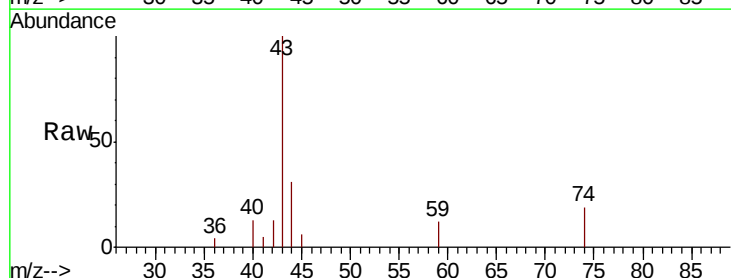
Acq: 26 Sep 2018 2:32

Tgt Ion: 43 Resp: 13724

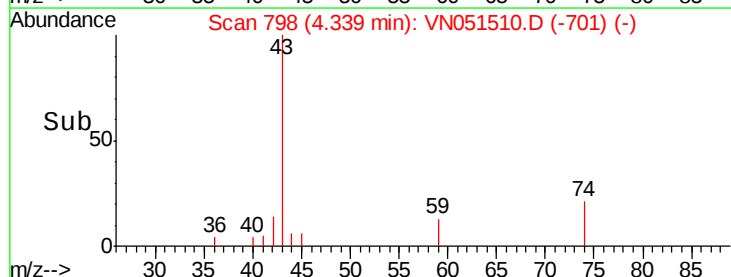
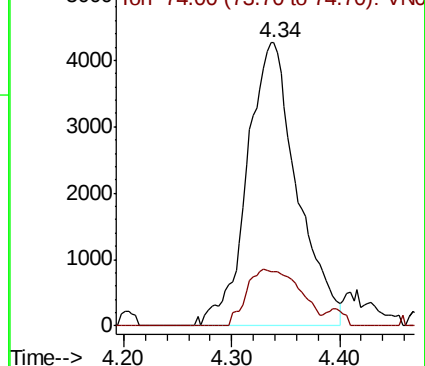
Ion Ratio Lower Upper

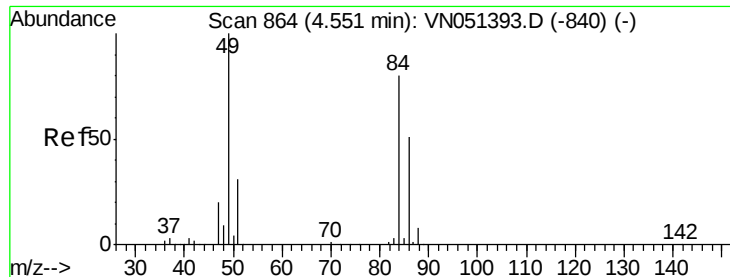
43 100

74 21.2 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN051510.D (-701) (-)

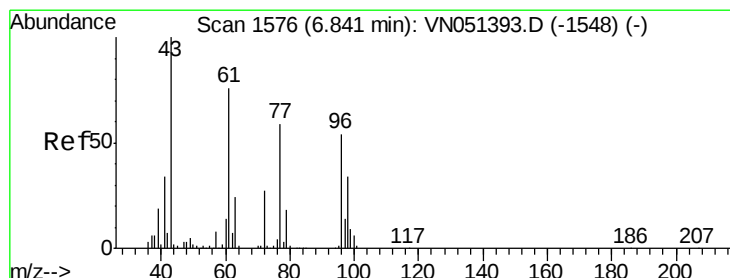
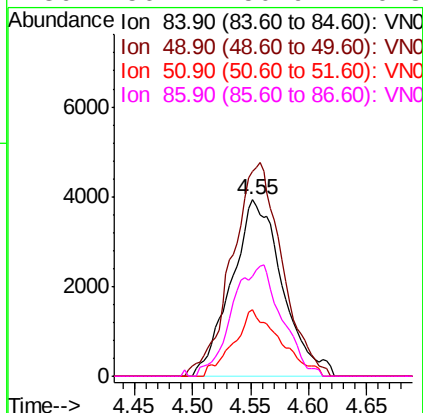
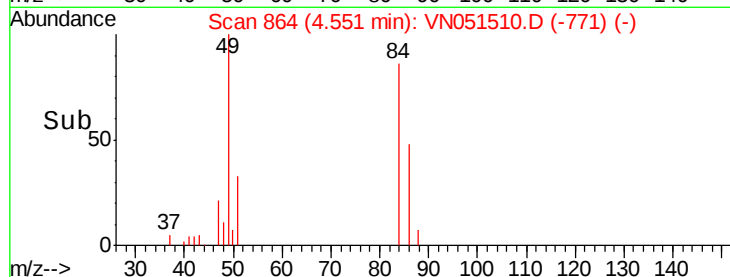
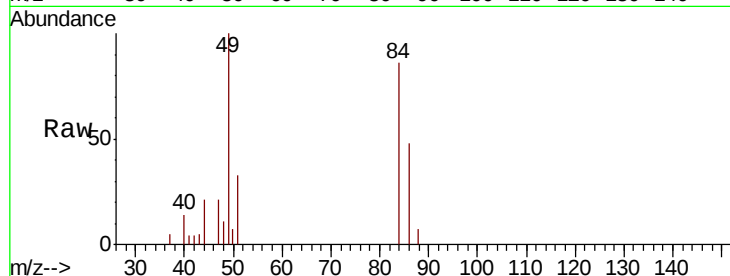




#20
Methvlene Chloride
Concen: 1.542 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051510.D
Acq: 26 Sep 2018 2:32

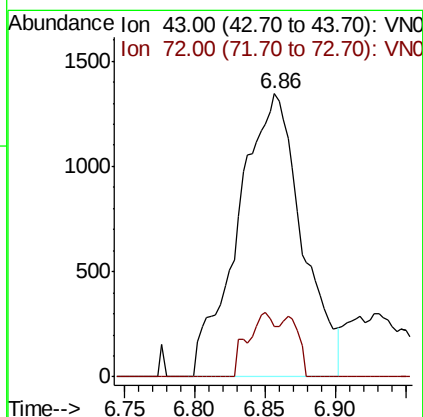
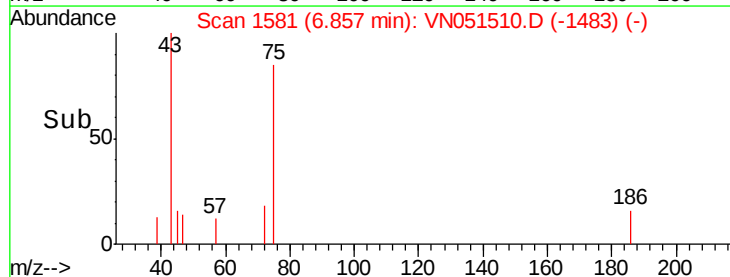
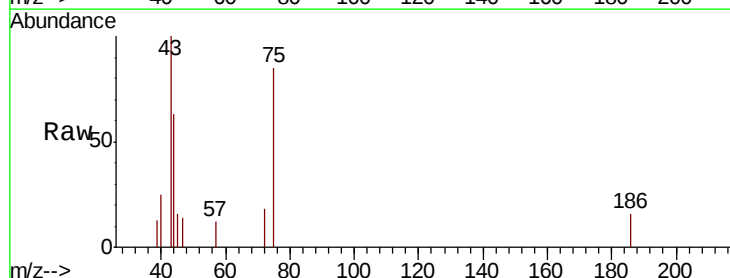
Instrument :
MSVOA_N
ClientSampleId :
PB113167ZHE#04

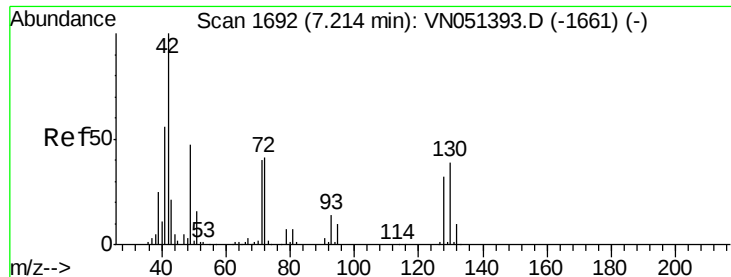
Tot Ion: 84 Resp: 12055
Ion Ratio Lower Upper
84 100
49 115.9 99.9 149.9
51 38.0 31.4 47.2
86 56.2 50.9 76.3



#25
2-Butanone
Concen: 1.574 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.02 min
Lab File: VN051510.D
Acq: 26 Sep 2018 2:32

Tgt Ion: 43 Resp: 4255
Ion Ratio Lower Upper
43 100
72 18.0 21.8 32.6#





#29

Tetrahydrofuran

Concen: 0.490 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN051510.D

Acq: 26 Sep 2018 2:32

Instrument :

MSVOA_N

ClientSampleId :

PB113167ZHE#04

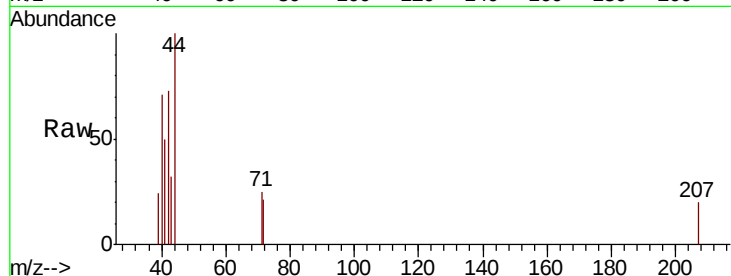
Tot Ion: 42 Resp: 840

Ion Ratio Lower Upper

42 100

72 22.1 34.3 51.5#

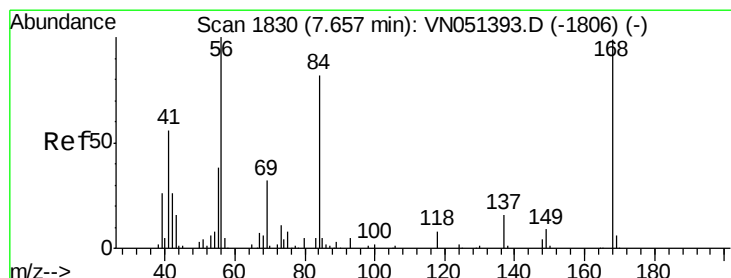
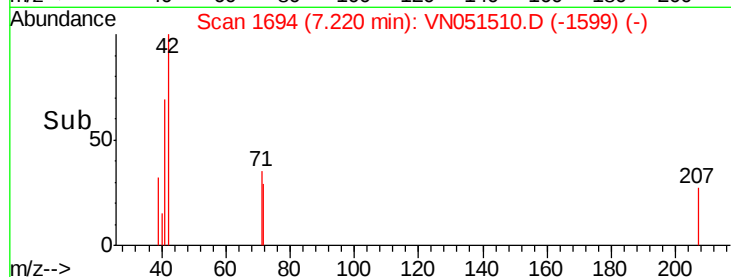
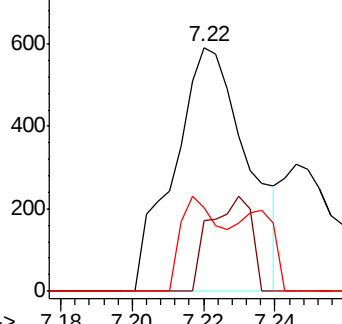
71 21.0 32.2 48.4#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.011 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN051510.D

Acq: 26 Sep 2018 2:32

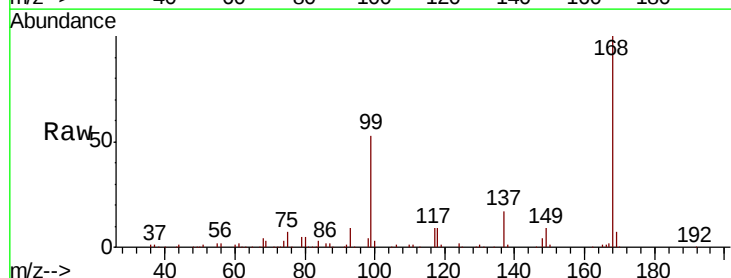
Tgt Ion: 56 Resp: 12576

Ion Ratio Lower Upper

56 100

69 166.0 25.8 38.6#

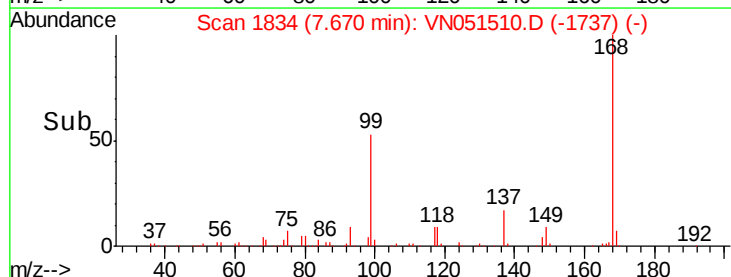
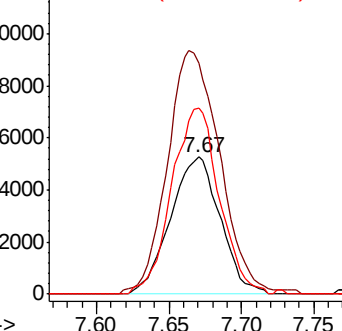
84 136.2 66.0 99.0#

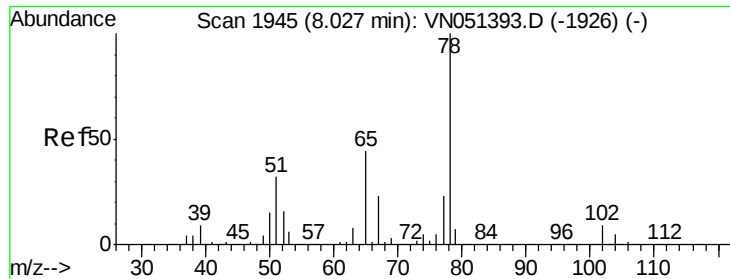


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

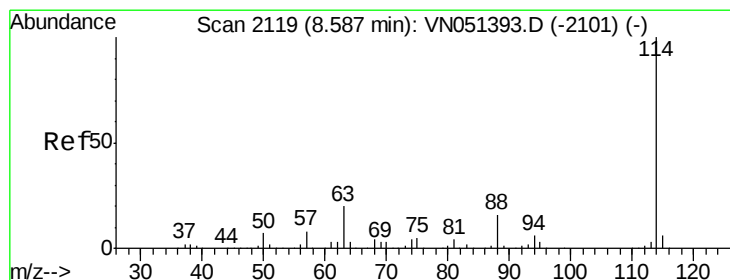
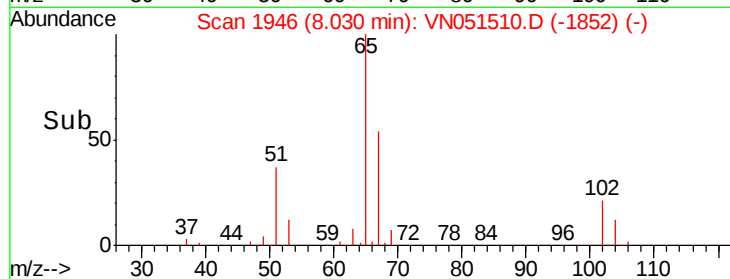
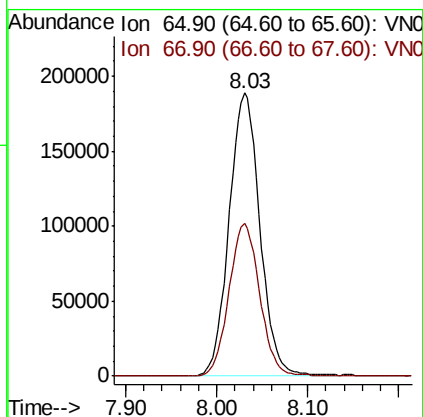
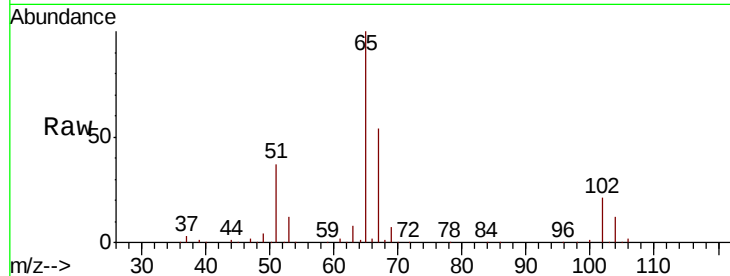




#33
 1,2-Dichloroethane-d4
 Concen: 56.316 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051510.D
 Acq: 26 Sep 2018 2:32

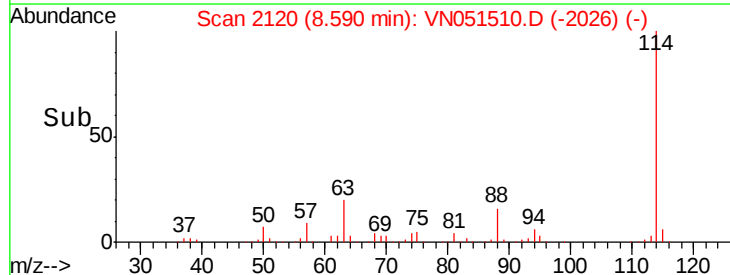
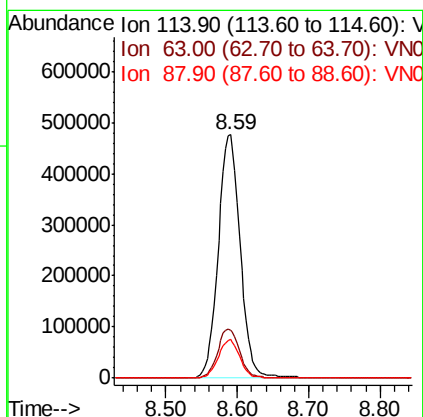
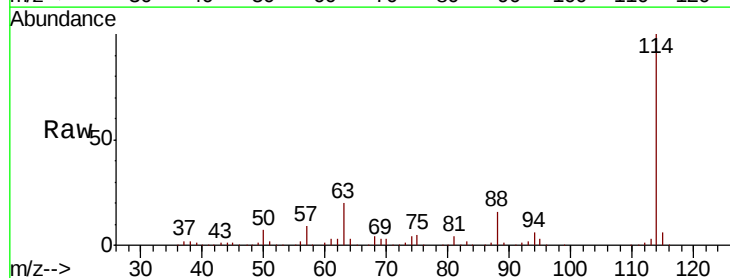
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113167ZHE#04

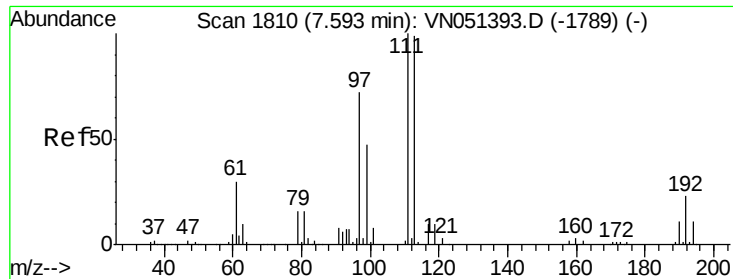
Tot Ion: 65 Resp: 444836
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051510.D
 Acq: 26 Sep 2018 2:32

Tgt Ion: 114 Resp: 1014976
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.2
 88 15.9 0.0 31.4

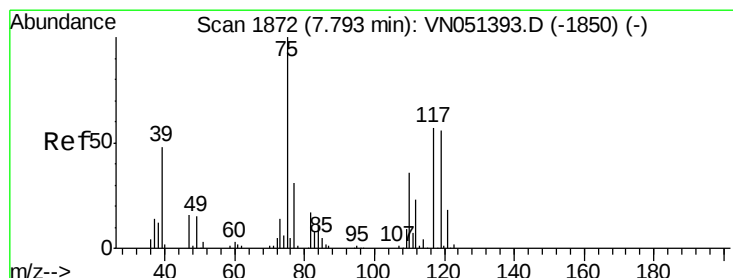
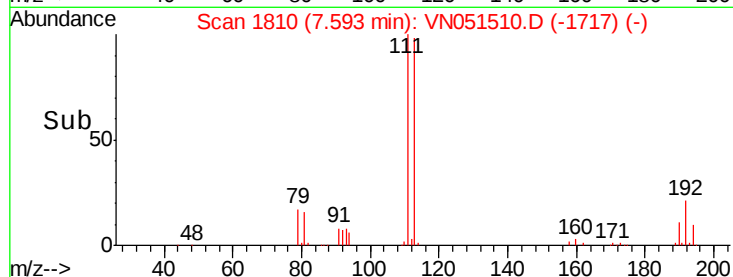
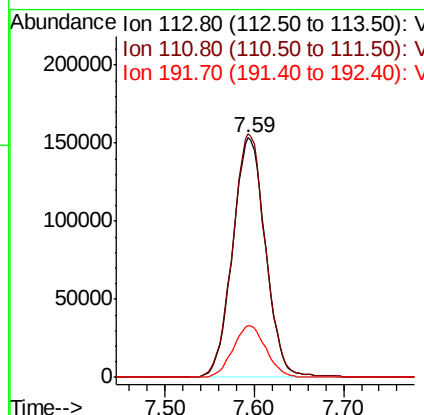
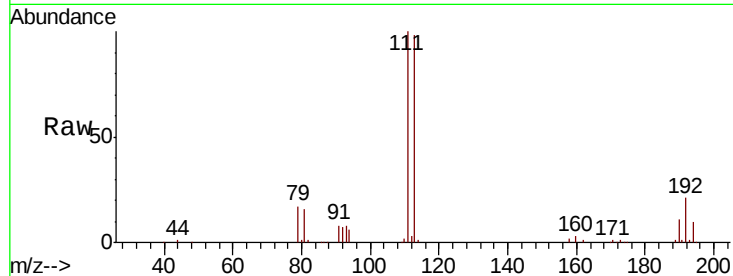




#35
 Dibromofluoromethane
 Concen: 48.184 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051510.D
 Acq: 26 Sep 2018 2:32

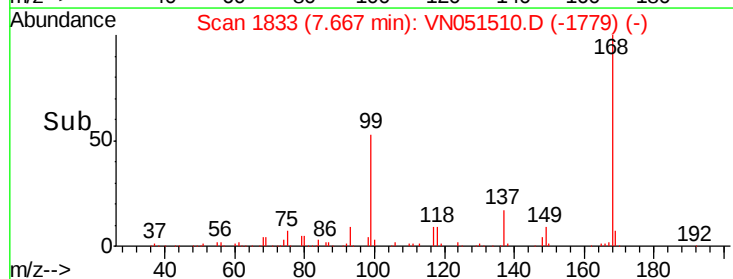
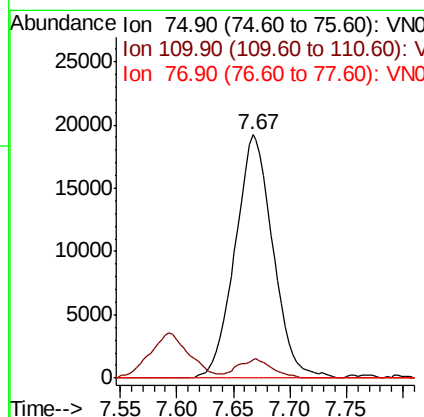
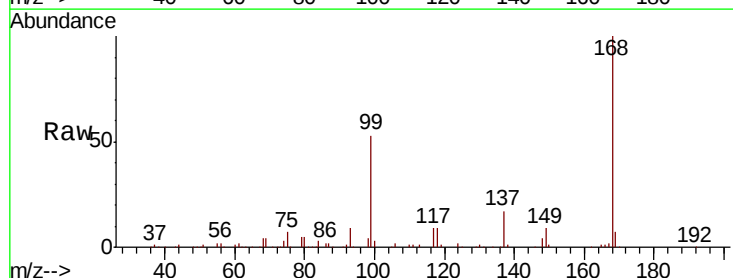
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113167ZHE#04

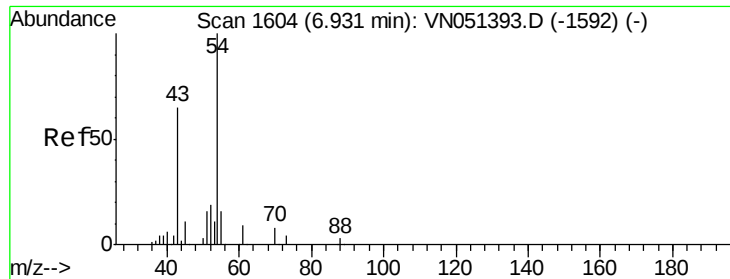
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.6	123.8
192	21.8	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.815 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051510.D
 Acq: 26 Sep 2018 2:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.1	18.1	54.3#
77	0.0	25.6	38.4#

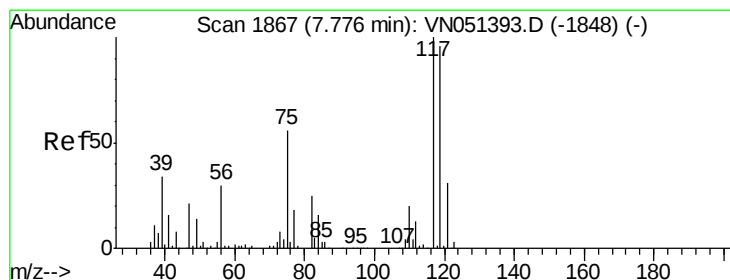
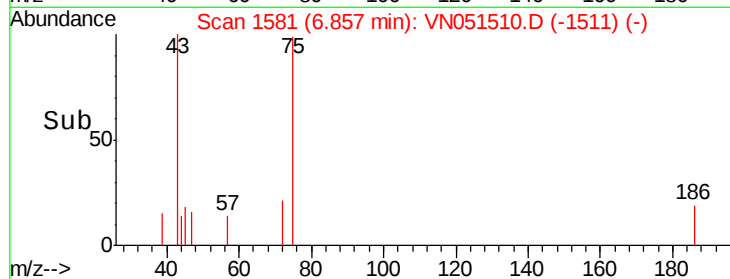
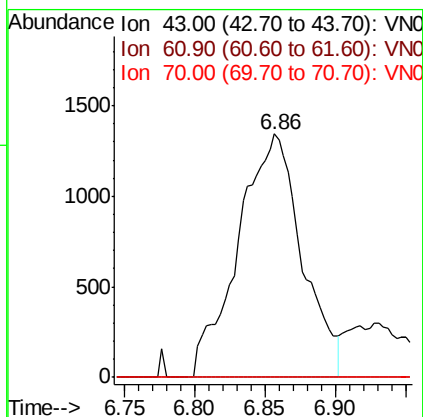
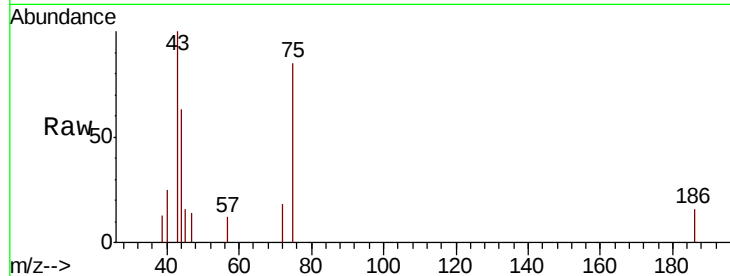




#37
Ethyl Acetate
Concen: 0.630 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. -0.07 min
Lab File: VN051510.D
Acq: 26 Sep 2018 2:32

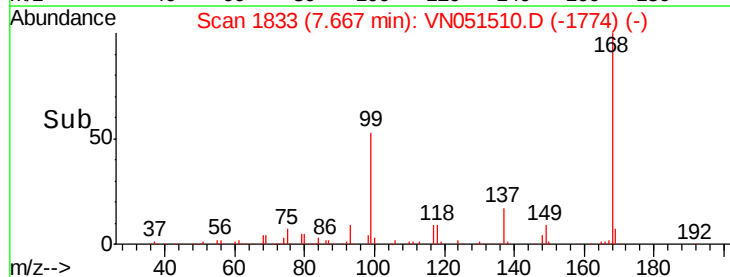
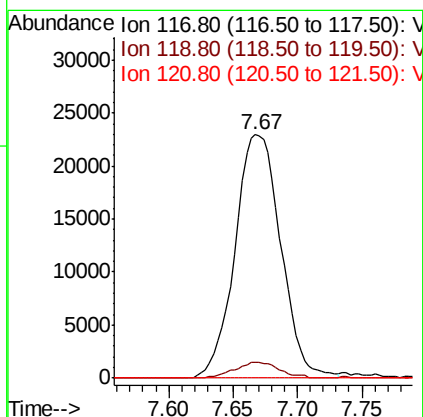
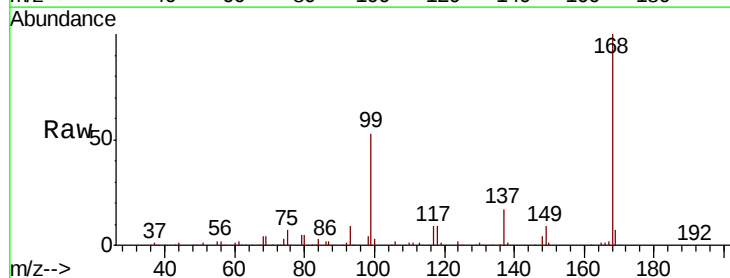
Instrument :
MSVOA_N
ClientSampleId :
PB113167ZHE#04

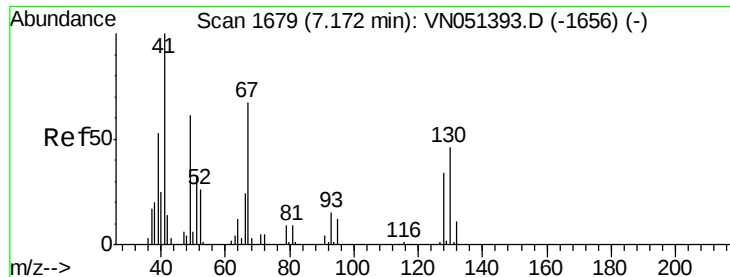
Tot Ion: 43 Resp: 4255
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 4.617 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN051510.D
Acq: 26 Sep 2018 2:32

Tgt Ion: 117 Resp: 56758
Ion Ratio Lower Upper
117 100
119 6.6 76.9 115.3#
121 0.0 24.6 37.0#

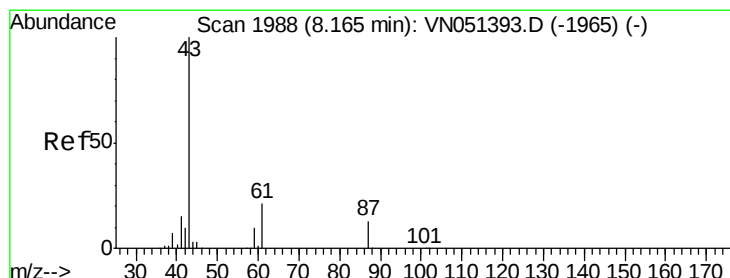
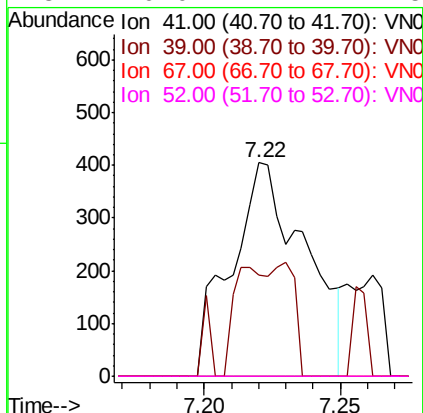
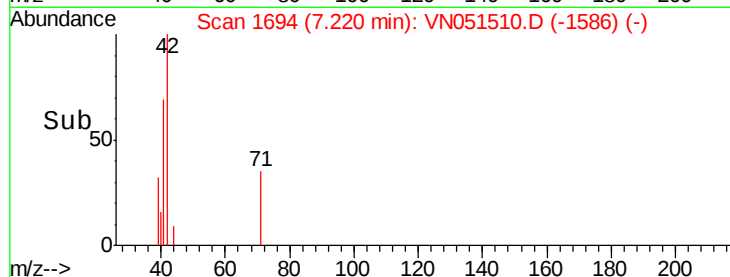
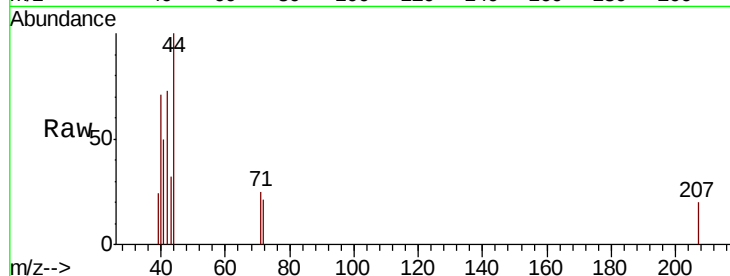




#41
Methacrylonitrile
Concen: 0.205 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.05 min
Lab File: VN051510.D
Acq: 26 Sep 2018 2:32

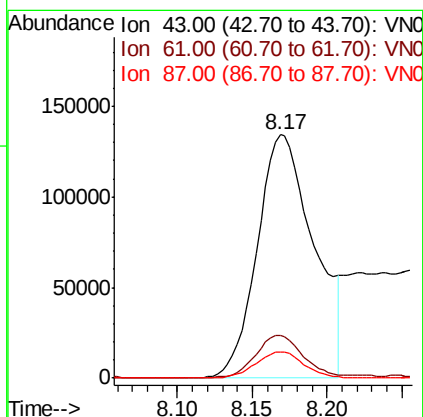
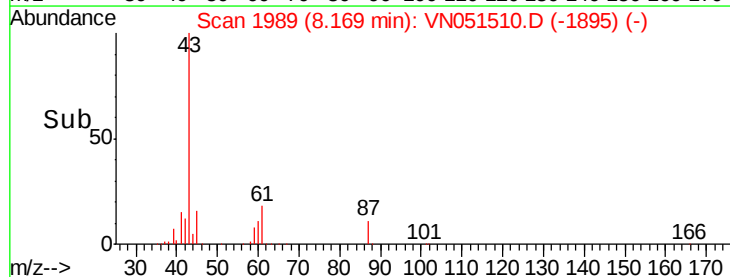
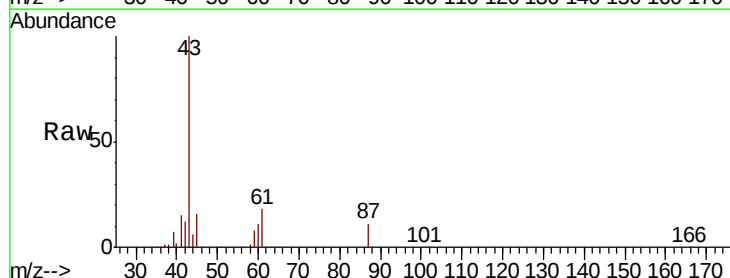
Instrument :
MSVOA_N
ClientSampleId :
PB113167ZHE#04

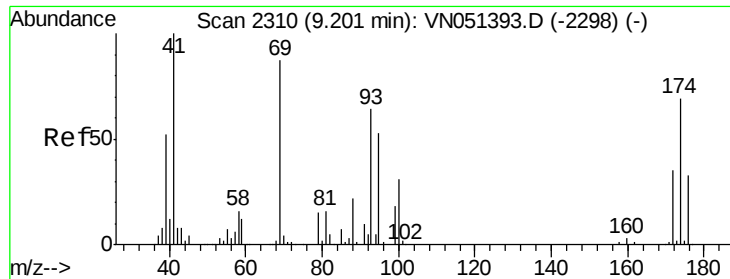
Tot Ion: 41 Resp: 766
Ion Ratio Lower Upper
41 100
39 23.9 51.4 77.2#
67 0.0 66.8 100.2#
52 0.0 27.7 41.5#



#43
Isopropyl Acetate
Concen: 28.867 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051510.D
Acq: 26 Sep 2018 2:32

Tgt Ion: 43 Resp: 352756
Ion Ratio Lower Upper
43 100
61 15.1 16.8 25.2#
87 9.4 10.7 16.1#

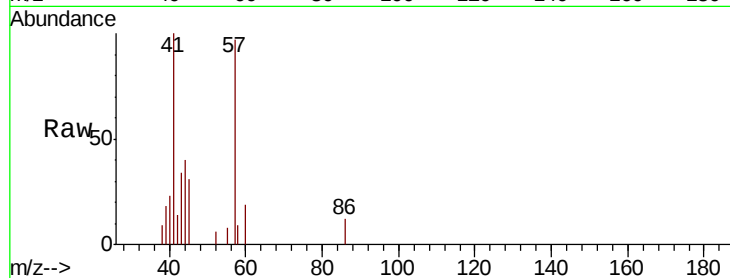




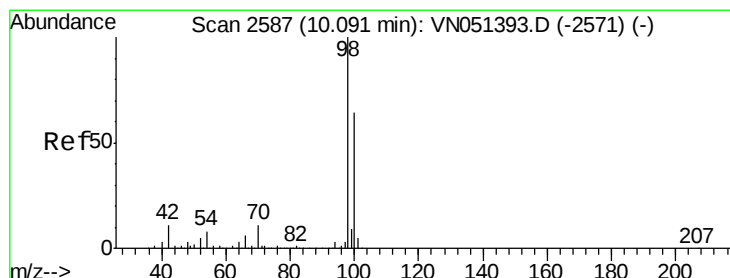
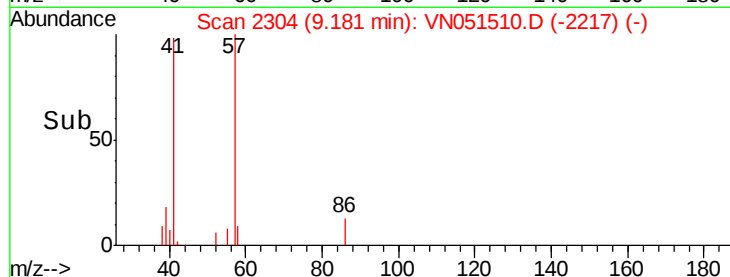
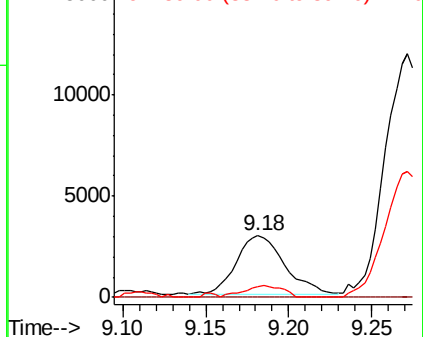
#48
Methyl methacrylate
Concen: 0.951 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051510.D
Acq: 26 Sep 2018 2:32

Instrument :
MSVOA_N
ClientSampleId :
PB113167ZHE#04

Tot Ion: 41 Resp: 5794
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 16.6 43.8 65.8#

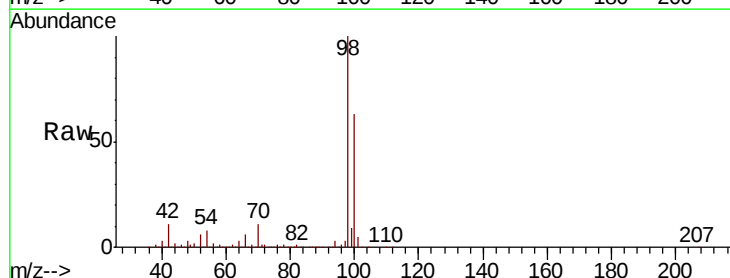


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

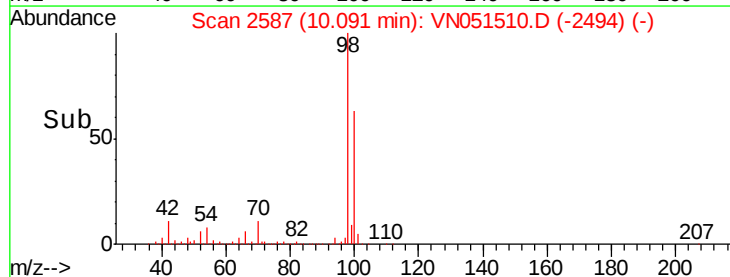
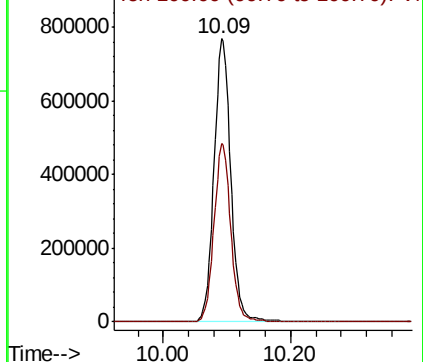


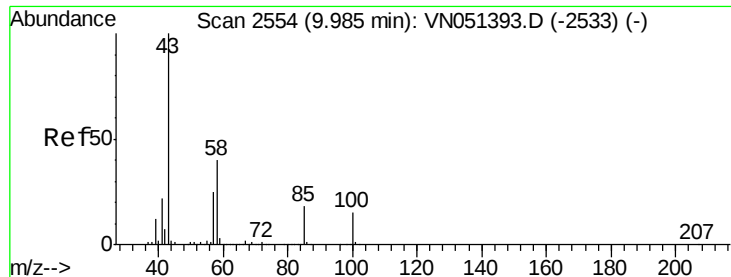
#50
Toluene-d8
Concen: 45.989 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051510.D
Acq: 26 Sep 2018 2:32

Tgt Ion: 98 Resp: 1405557
Ion Ratio Lower Upper
98 100
100 63.1 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

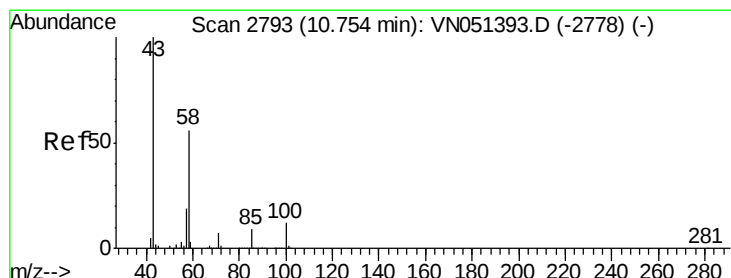
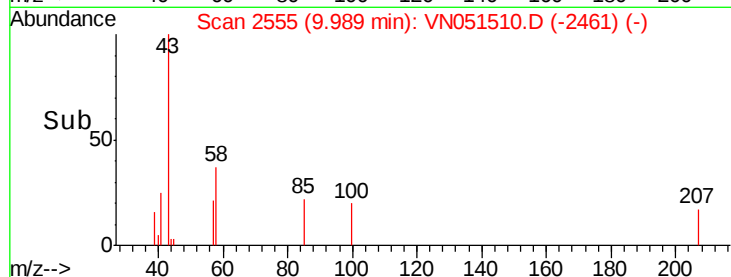
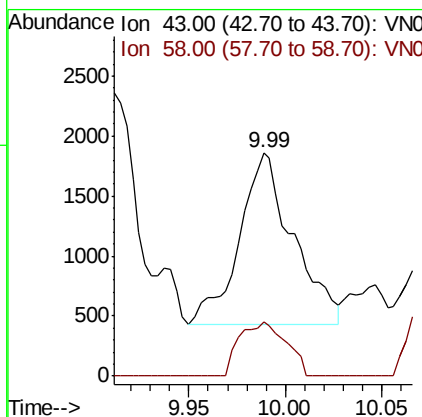
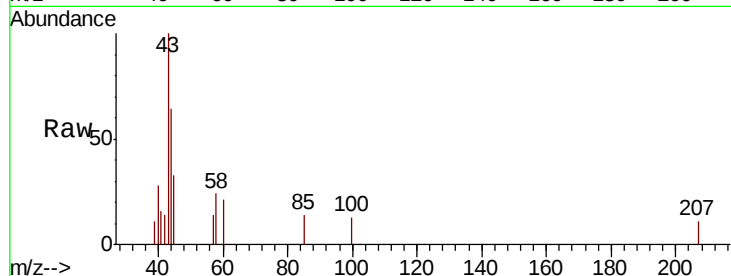




#51
 4-Methyl-2-Pentanone
 Concen: 0.416 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN051510.D
 Acq: 26 Sep 2018 2:32

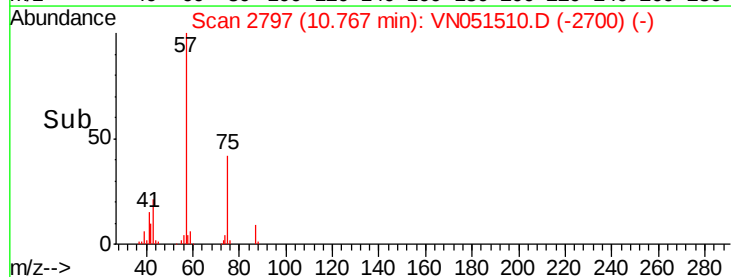
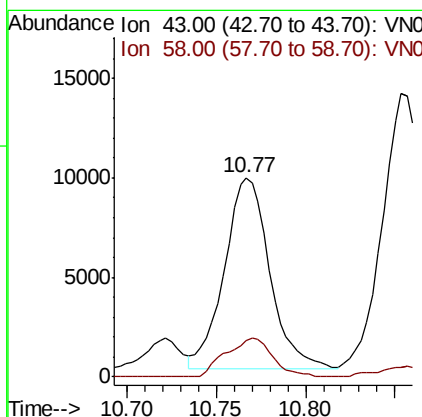
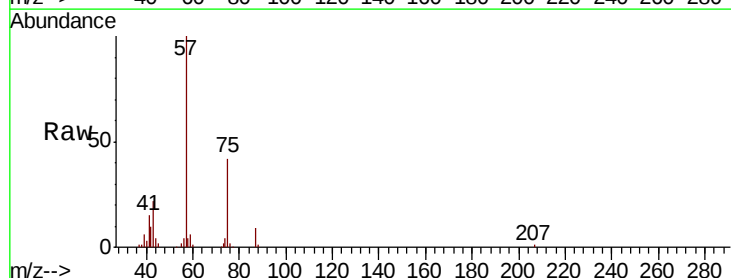
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113167ZHE#04

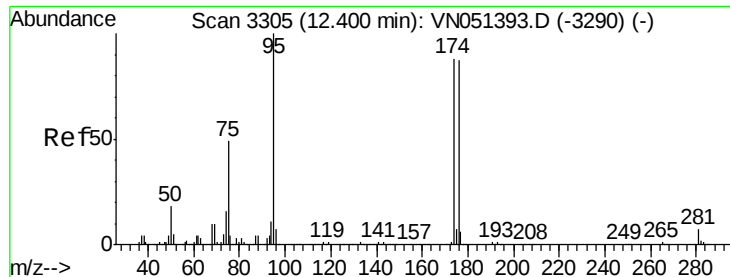
Tot Ion: 43 Resp: 2794
 Ion Ratio Lower Upper
 43 100
 58 27.1 31.5 47.3#



#59
 2-Hexanone
 Concen: 3.886 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN051510.D
 Acq: 26 Sep 2018 2:32

Tgt Ion: 43 Resp: 16930
 Ion Ratio Lower Upper
 43 100
 58 21.0 27.7 83.0#

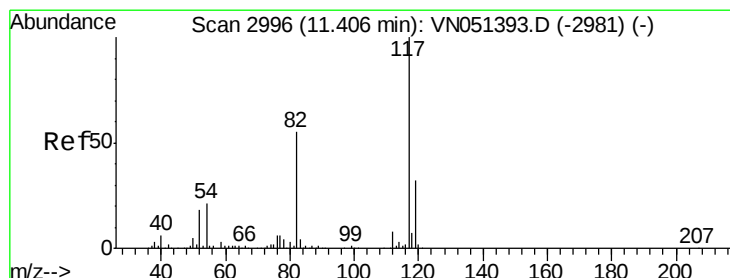
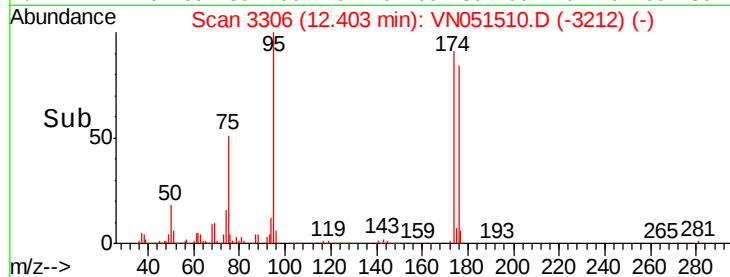
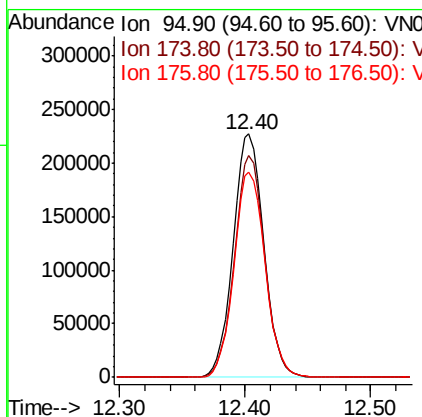
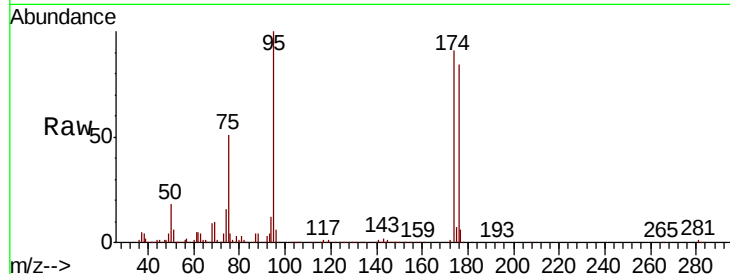




#62
4-Bromofluorobenzene
Concen: 39.034 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051510.D
Acq: 26 Sep 2018 2:32

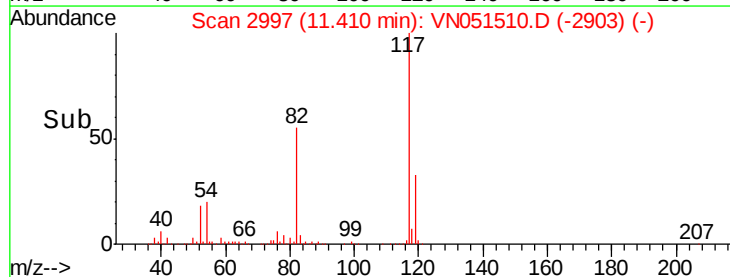
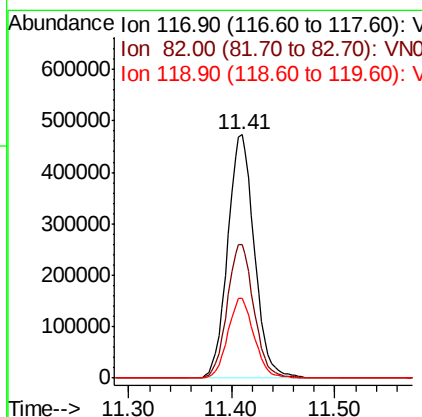
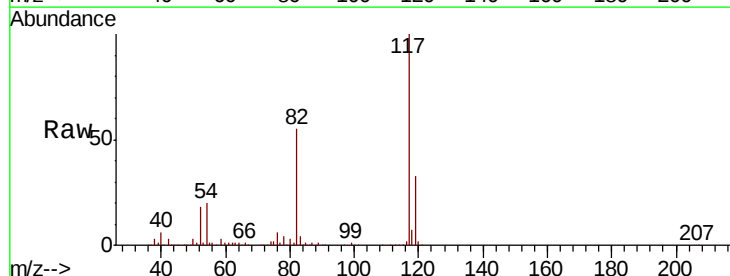
Instrument :
MSVOA_N
ClientSampleId :
PB113167ZHE#04

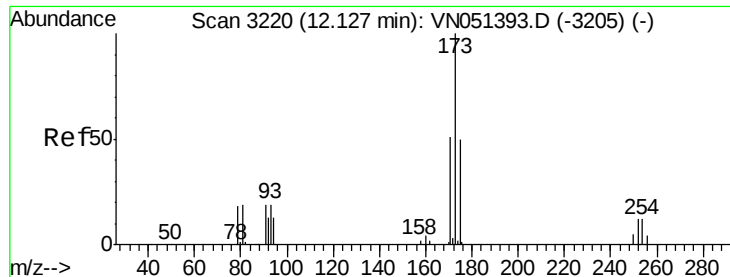
Tot Ion	95	Resp	385934
Ion Ratio	100	Lower	Upper
174	89.9	0.0	181.6
176	85.6	0.0	176.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051510.D
Acq: 26 Sep 2018 2:32

Tgt Ion	117	Resp	853007
Ion Ratio	100	Lower	Upper
82	55.0	44.2	66.2
119	32.7	25.9	38.9





#71

Bromoform

Concen: 0.358 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN051510.D

Acq: 26 Sep 2018 2:32

Instrument :

MSVOA_N

ClientSampleId :

PB113167ZHE#04

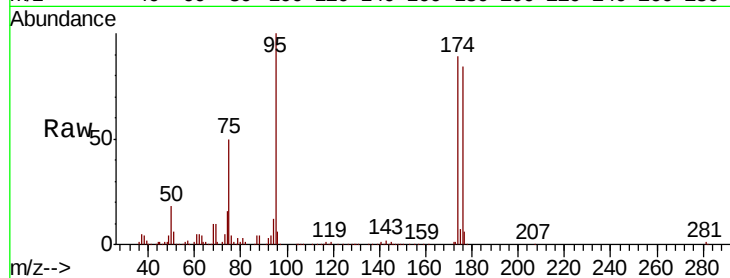
Tot Ion:173 Resp: 2025

Ion Ratio Lower Upper

173 100

175 1090.5 24.8 74.3#

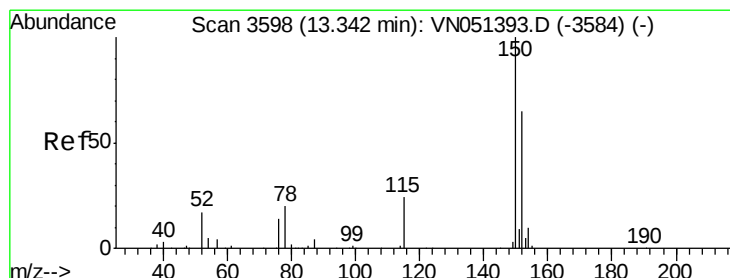
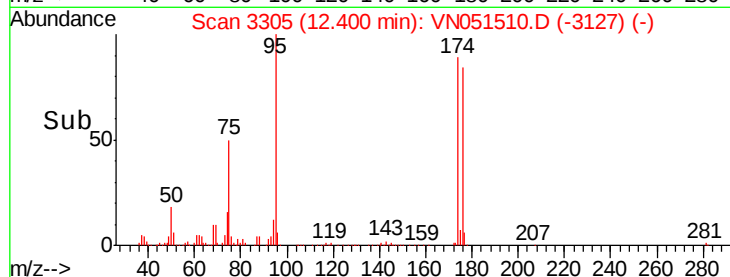
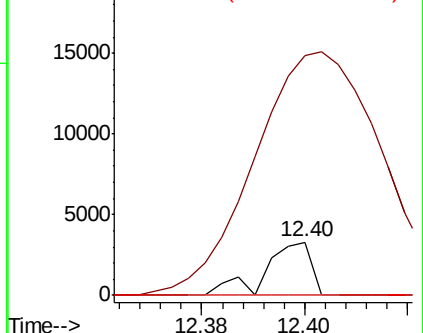
254 0.0 0.2 0.2#



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051510.D

Acq: 26 Sep 2018 2:32

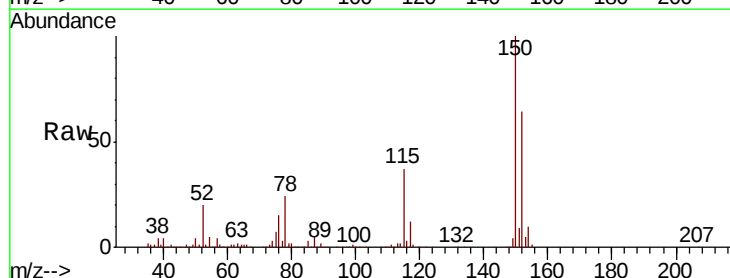
Tgt Ion:152 Resp: 315317

Ion Ratio Lower Upper

152 100

115 56.6 28.3 84.9

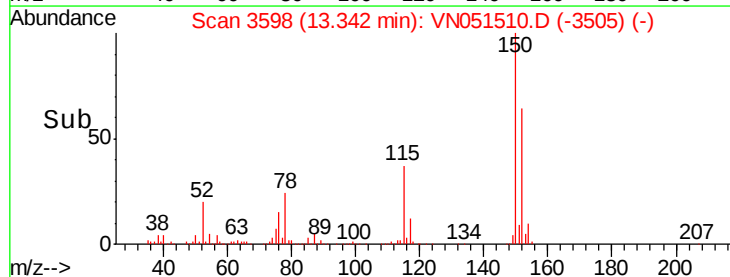
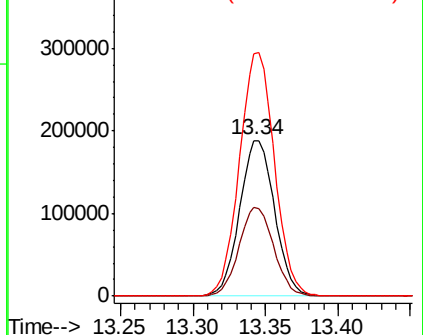
150 156.9 0.0 353.6

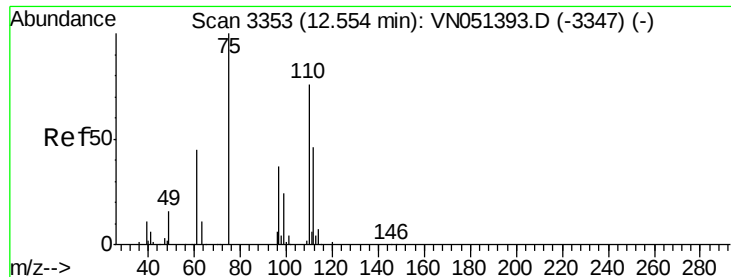


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 36.535 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051510.D

Acq: 26 Sep 2018 2:32

Instrument :

MSVOA_N

ClientSampleId :

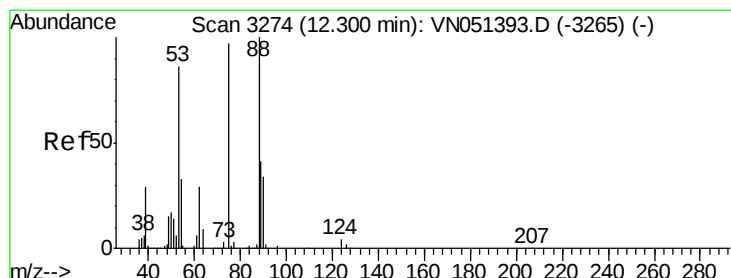
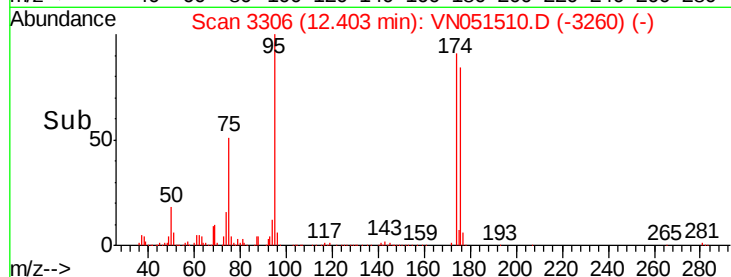
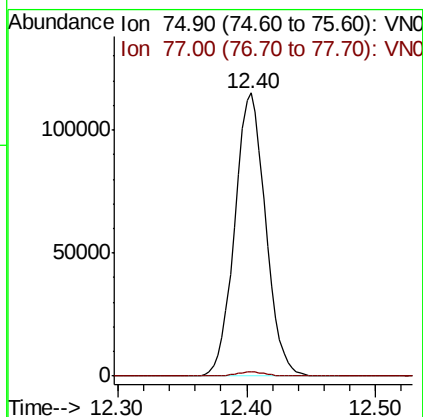
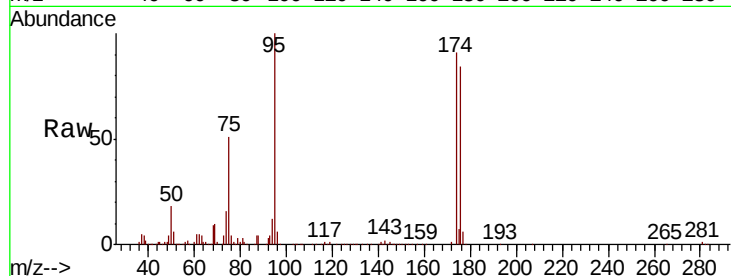
PB113167ZHE#04

Tot Ion: 75 Resp: 191241

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 112.343 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051510.D

Acq: 26 Sep 2018 2:32

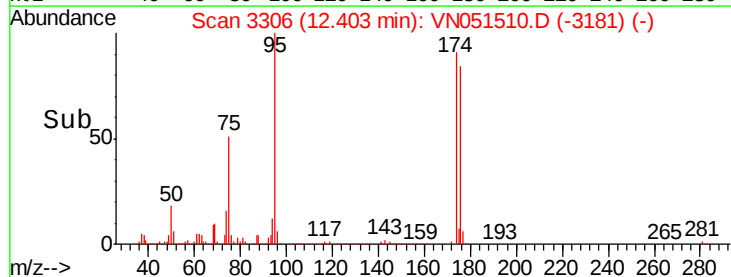
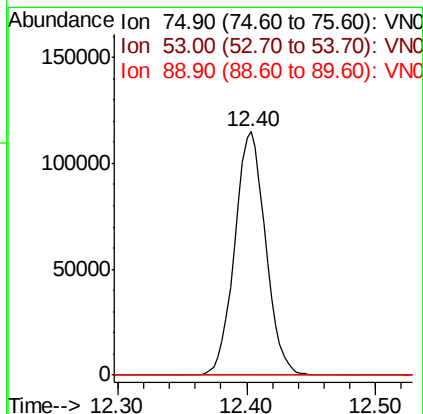
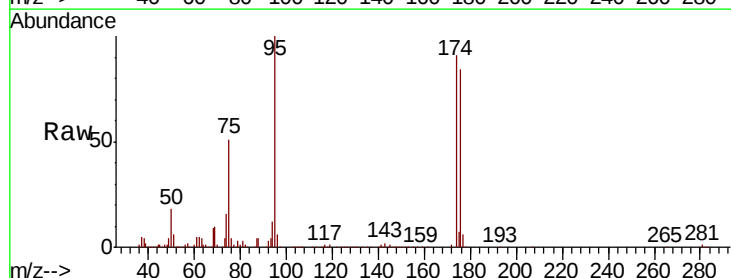
Tgt Ion: 75 Resp: 191241

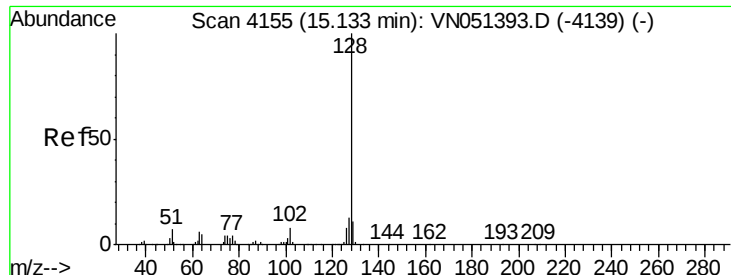
Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

89 0.0 36.7 55.1#





#95

Naphthalene

Concen: 8.059 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN051510.D

Acq: 26 Sep 2018 2:32

Instrument :

MSVOA_N

ClientSampleId :

PB113167ZHE#04

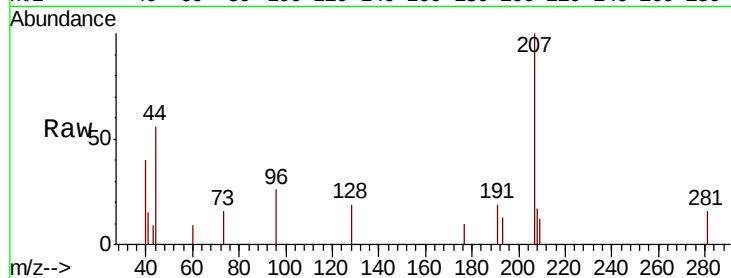
Tot Ion:128 Resp: 205

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

