

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051595.D
 Acq On : 27 Sep 2018 20:32
 Operator : MD\SY
 Sample : PB113263ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113263ZHE#07

Quant Time: Sep 28 01:53:44 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	622591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1048953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	875931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	297957	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	453715	58.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.36%	
35) Dibromofluoromethane	7.59	113	402069	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
50) Toluene-d8	10.09	98	1447944	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	
62) 4-Bromofluorobenzene	12.40	95	384256	37.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.22%	

Target Compounds

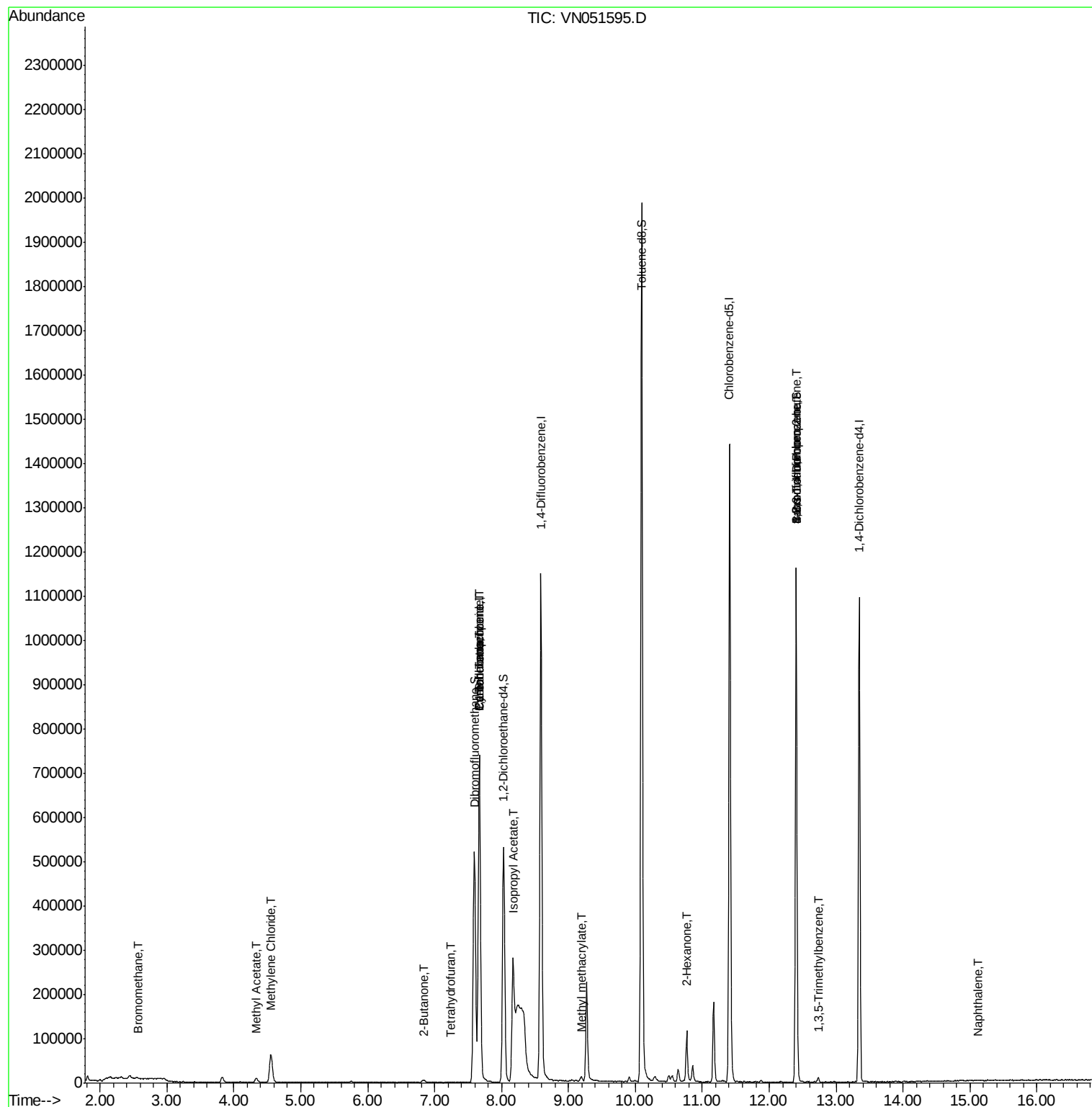
					Qvalue	
5) Bromomethane	2.58	94	1202	0.255	ug/l #	51
16) Acetone	3.82	43	20723	Below	Cal #	86
18) Methyl Acetate	4.34	43	18508	3.116	ug/l	95
20) Methylene Chloride	4.55	84	46512	6.027	ug/l	93
25) 2-Butanone	6.84	43	1759	0.659	ug/l	99
29) Tetrahydrofuran	7.22	42	748	0.442	ug/l #	47
31) Cyclohexane	7.67	56	12728	1.036	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	46072	3.793	ug/l #	48
38) Carbon Tetrachloride	7.67	117	58144	4.576	ug/l #	16
43) Isopropyl Acetate	8.17	43	366045	28.984	ug/l #	88
48) Methyl methacrylate	9.18	41	7296	1.159	ug/l #	21
59) 2-Hexanone	10.77	43	15980	3.549	ug/l	62
71) Bromoform	12.40	173	3618	0.623	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	186815	37.769	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4475	0.218	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	186815	116.137	ug/l #	13
95) Naphthalene	15.13	128	194	8.059	ug/l #	69

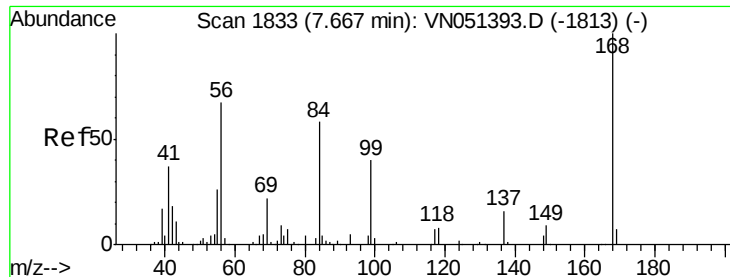
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051595.D

Acq: 27 Sep 2018 20:32

Instrument :

MSVOA_N

ClientSampleId :

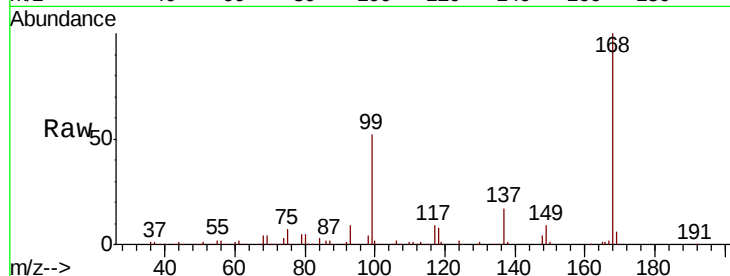
PB113263ZHE#07

Tot Ion:168 Resp: 622591

Ion Ratio Lower Upper

168 100

99 51.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

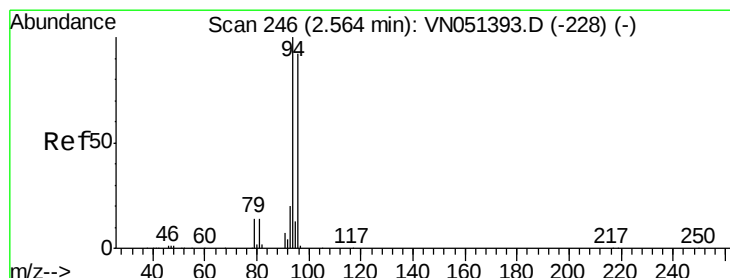
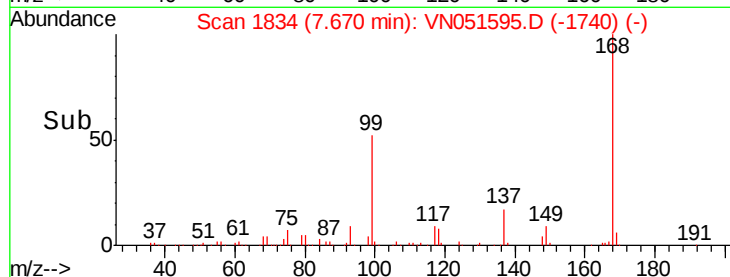
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.255 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN051595.D

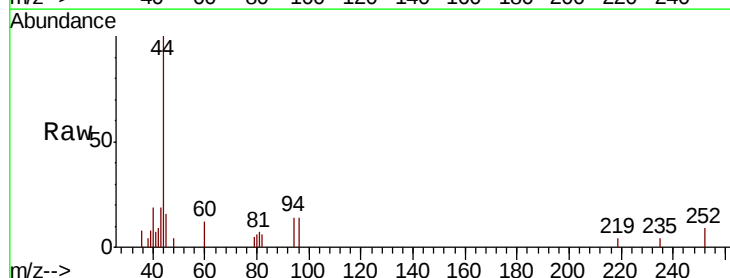
Acq: 27 Sep 2018 20:32

Tgt Ion: 94 Resp: 1202

Ion Ratio Lower Upper

94 100

96 45.0 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.58

800

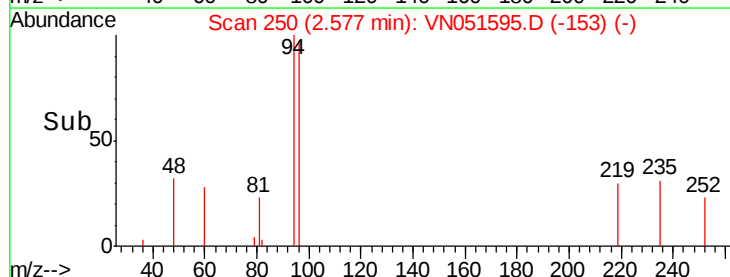
600

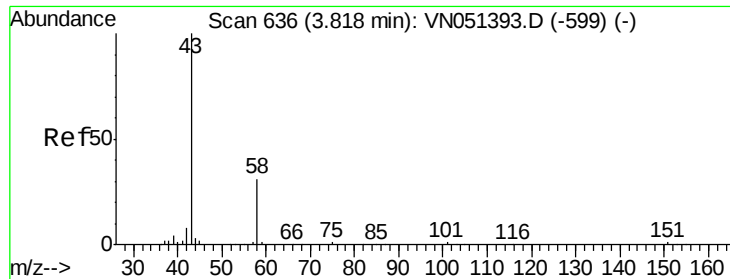
400

200

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051595.D

Acq: 27 Sep 2018 20:32

Instrument :

MSVOA_N

ClientSampleId :

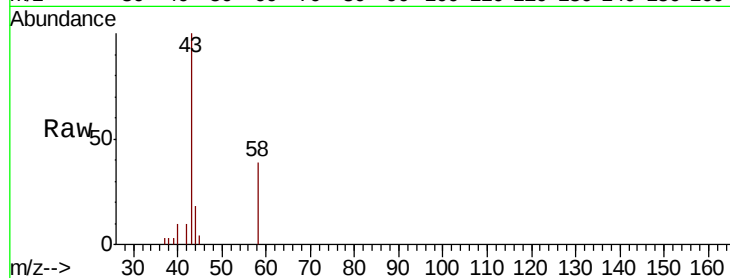
PB113263ZHE#07

Tot Ion: 43 Resp: 20723

Ion Ratio Lower Upper

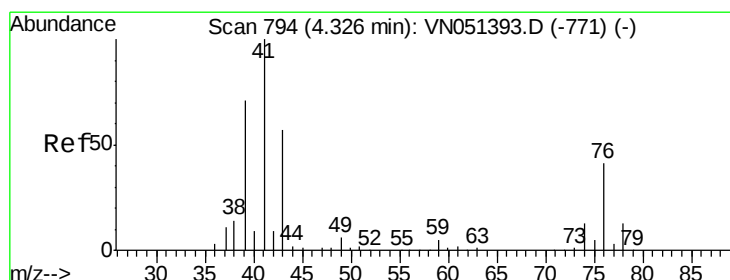
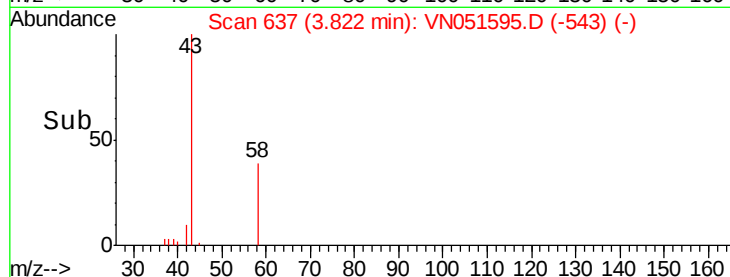
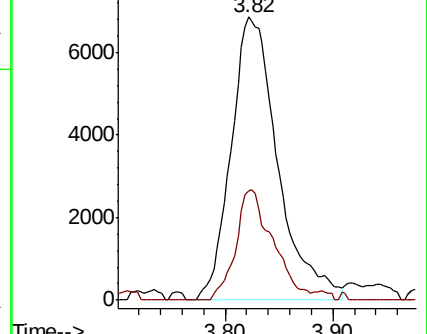
43 100

58 38.7 25.0 37.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 3.116 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051595.D

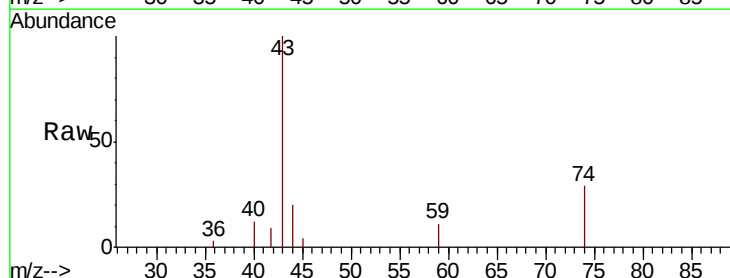
Acq: 27 Sep 2018 20:32

Tgt Ion: 43 Resp: 18508

Ion Ratio Lower Upper

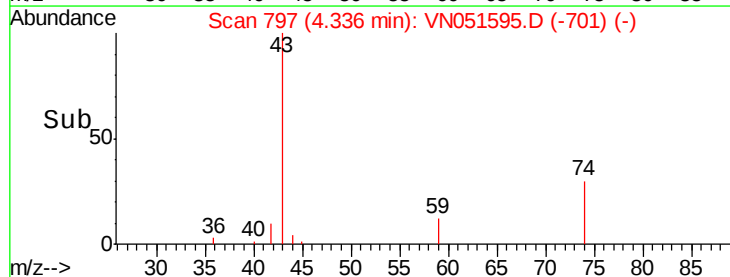
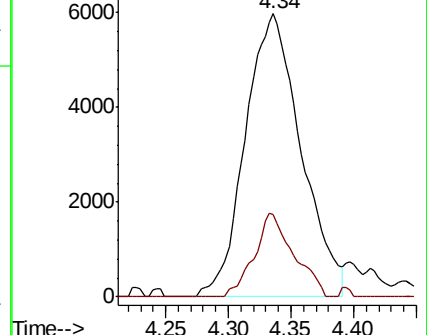
43 100

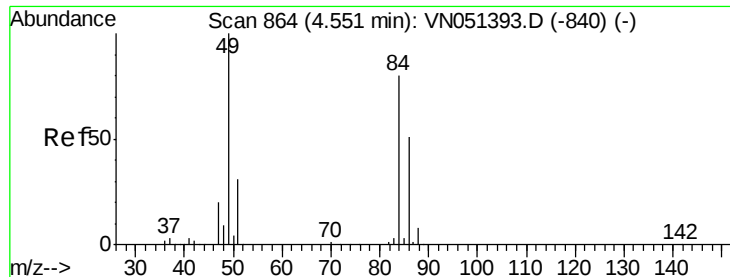
74 20.9 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

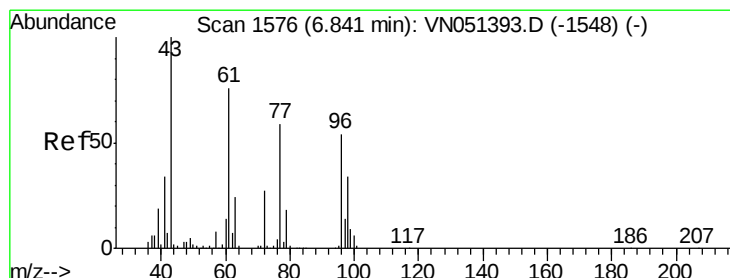
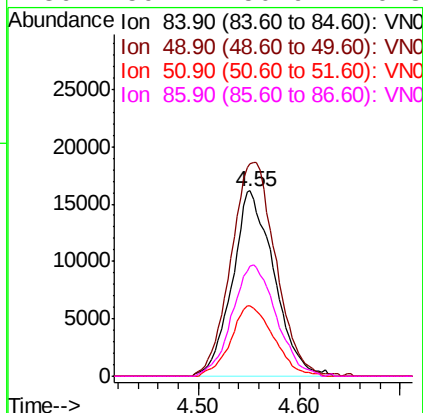
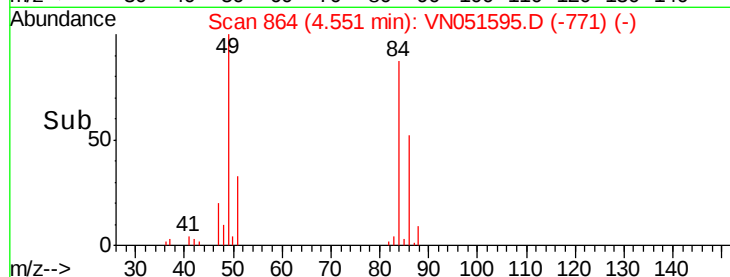
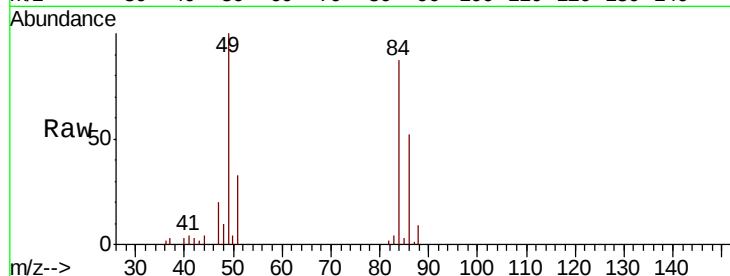




#20
Methvlene Chloride
Concen: 6.027 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051595.D
Acq: 27 Sep 2018 20:32

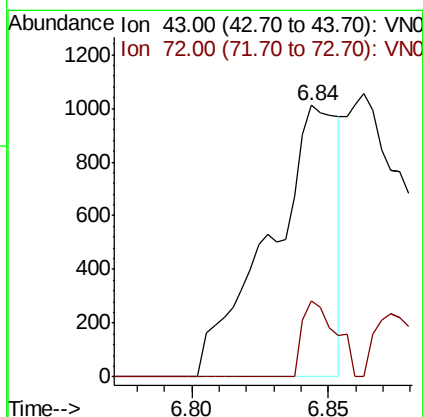
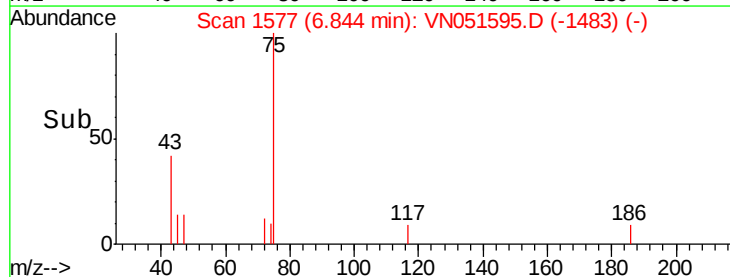
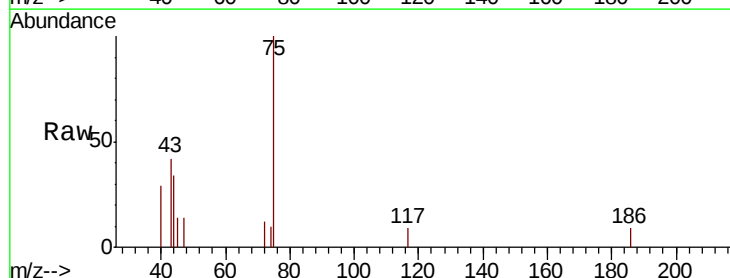
Instrument :
MSVOA_N
ClientSampleId :
PB113263ZHE#07

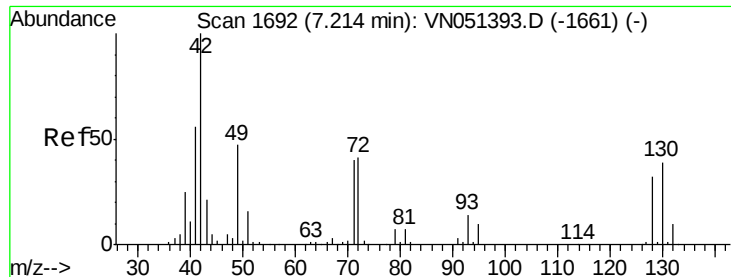
Tot Ion: 84 Resp: 46512
Ion Ratio Lower Upper
84 100
49 115.0 99.9 149.9
51 38.0 31.4 47.2
86 59.2 50.9 76.3



#25
2-Butanone
Concen: 0.659 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN051595.D
Acq: 27 Sep 2018 20:32

Tgt Ion: 43 Resp: 1759
Ion Ratio Lower Upper
43 100
72 27.9 21.8 32.6





#29

Tetrahydrofuran

Concen: 0.442 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VN051595.D

Acq: 27 Sep 2018 20:32

Instrument :

MSVOA_N

ClientSampleId :

PB113263ZHE#07

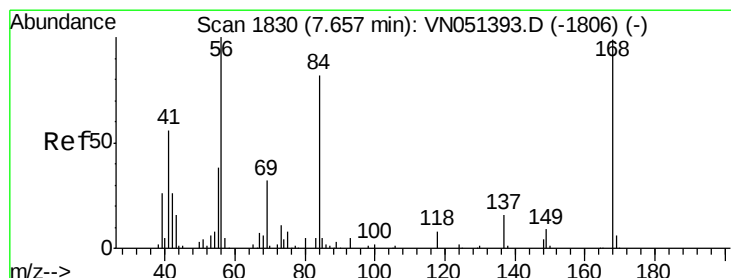
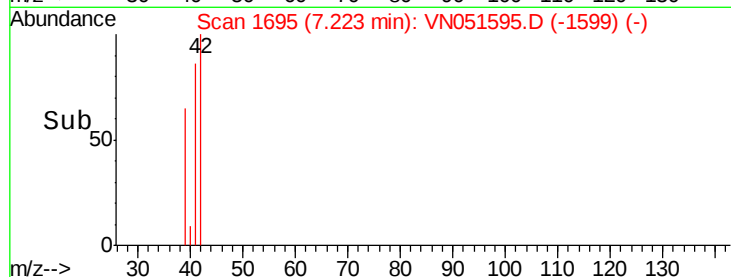
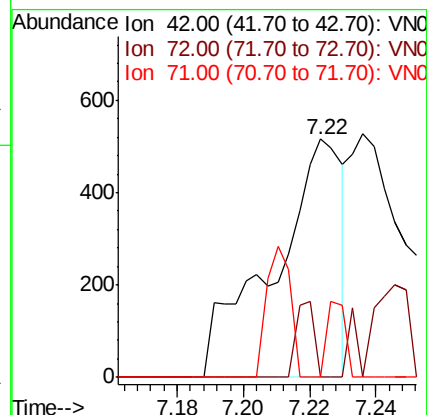
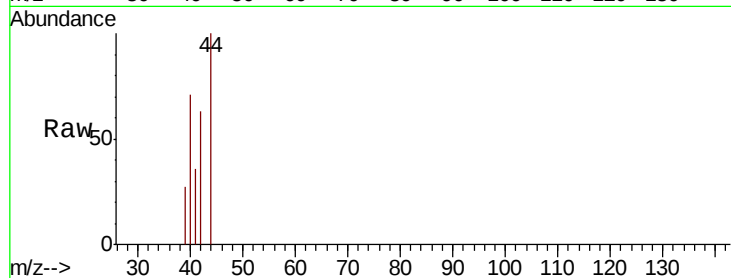
Tot Ion: 42 Resp: 748

Ion Ratio Lower Upper

42 100

72 8.3 34.3 51.5#

71 8.3 32.2 48.4#



#31

Cyclohexane

Concen: 1.036 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN051595.D

Acq: 27 Sep 2018 20:32

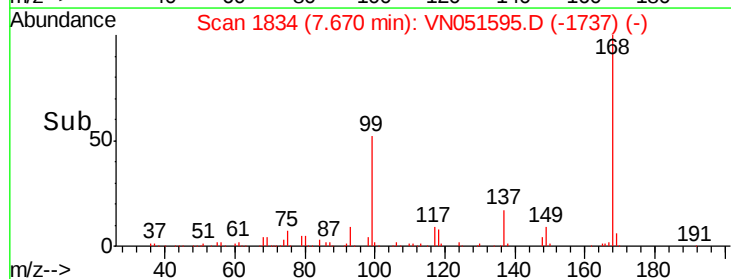
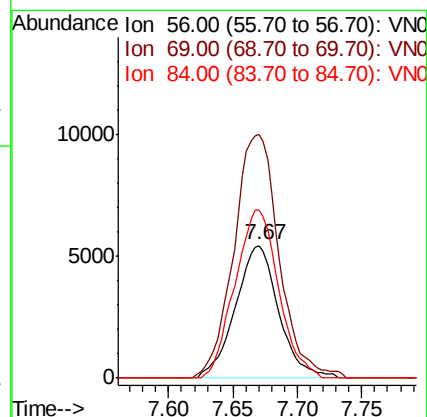
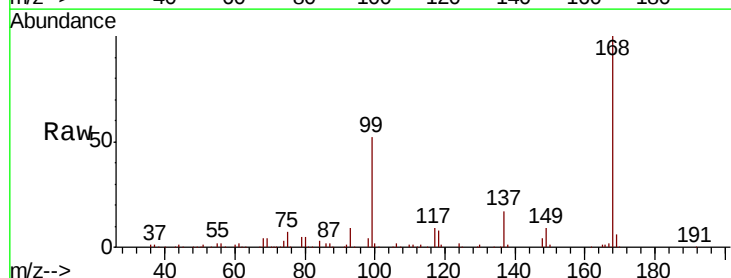
Tgt Ion: 56 Resp: 12728

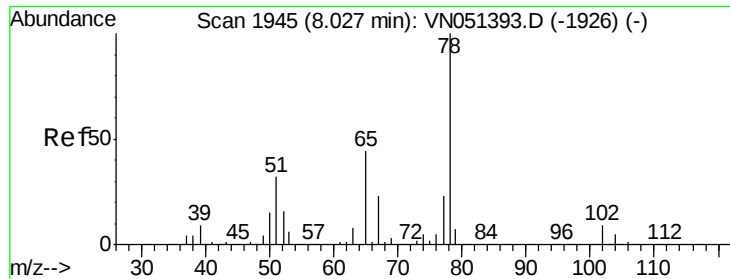
Ion Ratio Lower Upper

56 100

69 183.3 25.8 38.6#

84 127.0 66.0 99.0#

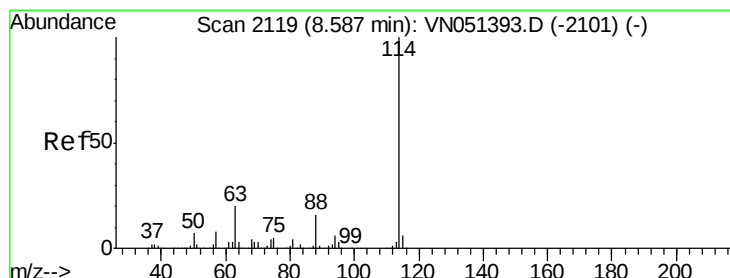
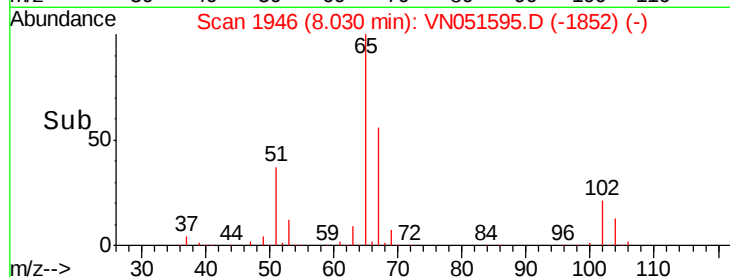
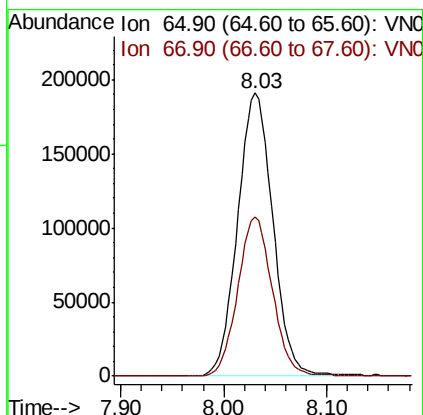
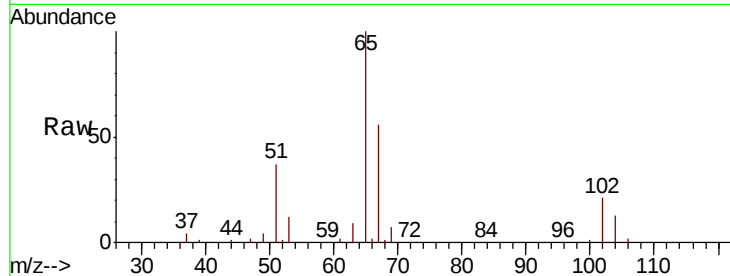




#33
 1,2-Dichloroethane-d4
 Concen: 58.175 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051595.D
 Acq: 27 Sep 2018 20:32

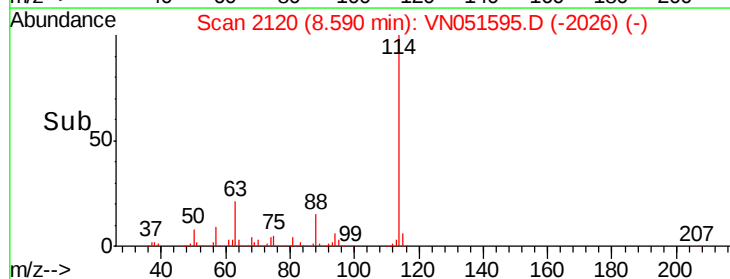
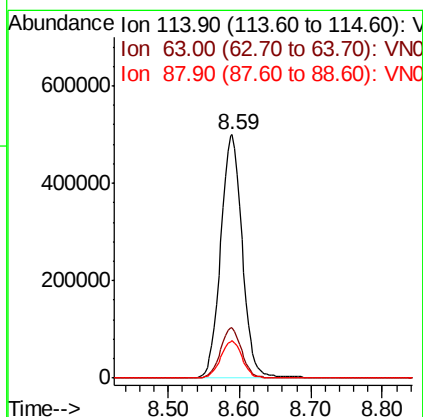
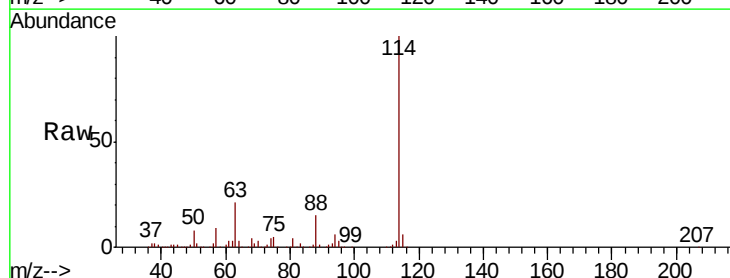
Instrument :
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 PB113263ZHE#07

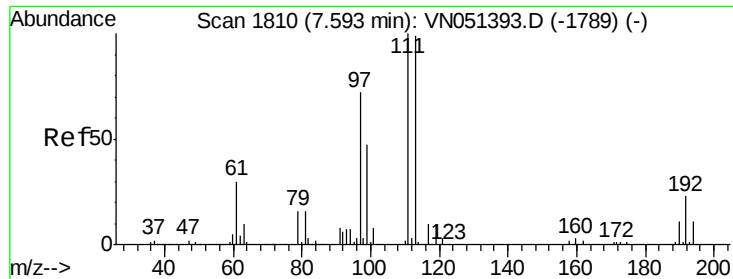
Tot Ion: 65 Resp: 453715
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051595.D
 Acq: 27 Sep 2018 20:32

Tgt Ion: 114 Resp: 1048953
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.2
 88 15.2 0.0 31.4

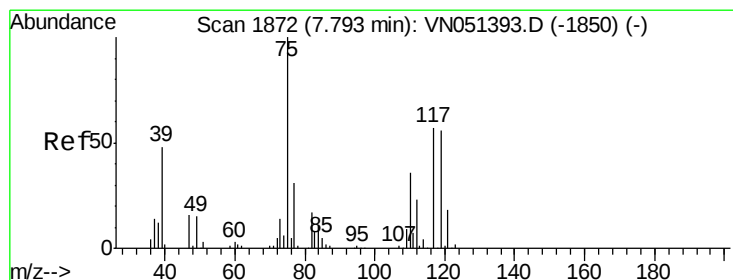
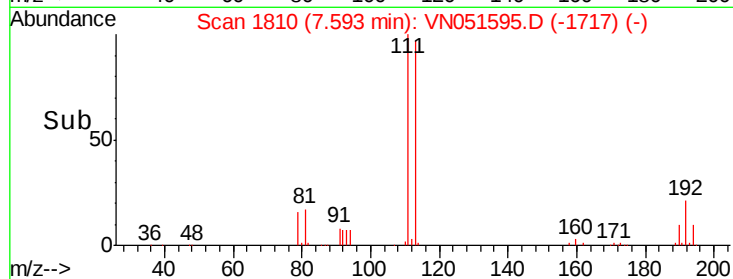
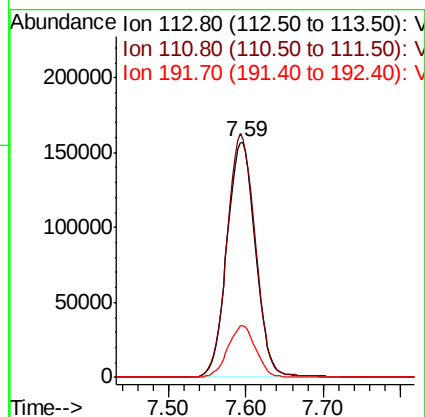
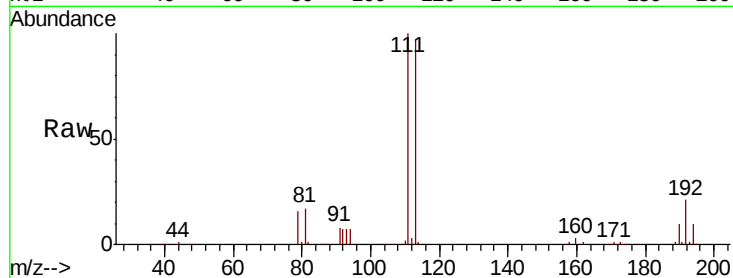




#35
 Dibromofluoromethane
 Concen: 47.934 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051595.D
 Acq: 27 Sep 2018 20:32

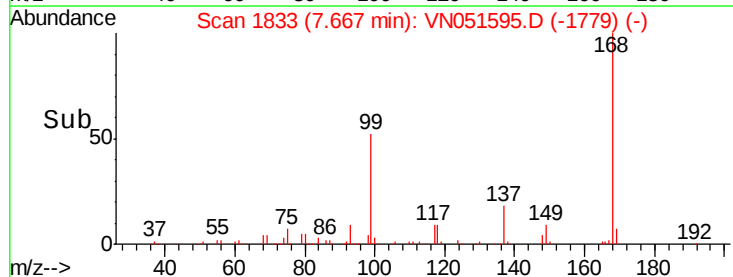
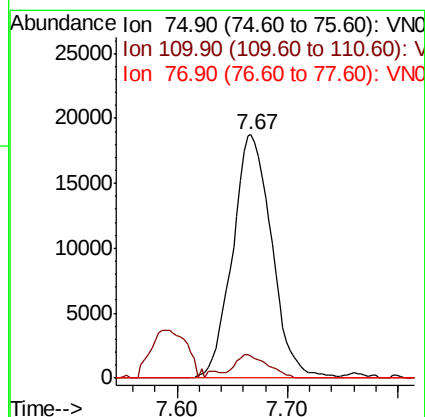
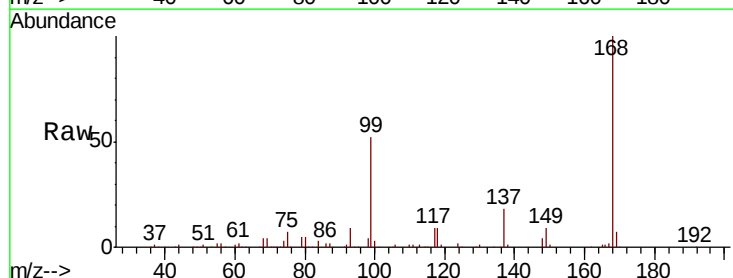
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113263ZHE#07

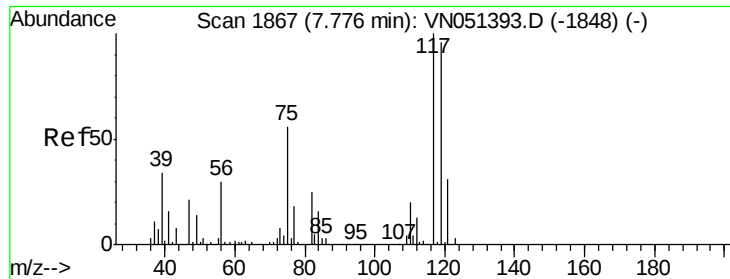
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	123.8
192	21.5	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.793 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051595.D
 Acq: 27 Sep 2018 20:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.1	54.3#
77	0.0	25.6	38.4#





#38

Carbon Tetrachloride

Concen: 4.576 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051595.D

Acq: 27 Sep 2018 20:32

Instrument :

MSVOA_N

ClientSampleId :

PB113263ZHE#07

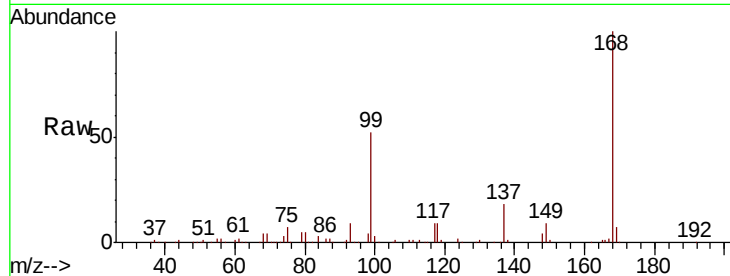
Tot Ion:117 Resp: 58144

Ion Ratio Lower Upper

117 100

119 5.8 76.9 115.3#

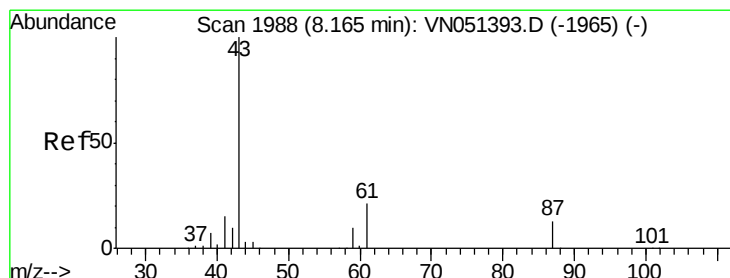
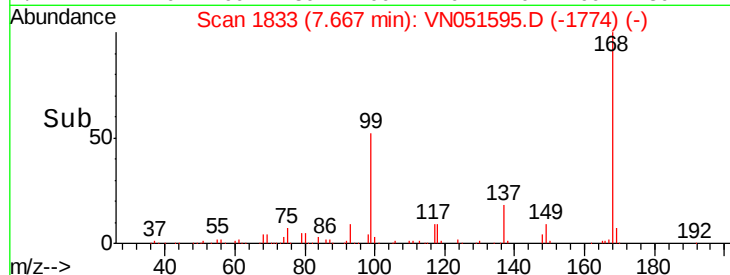
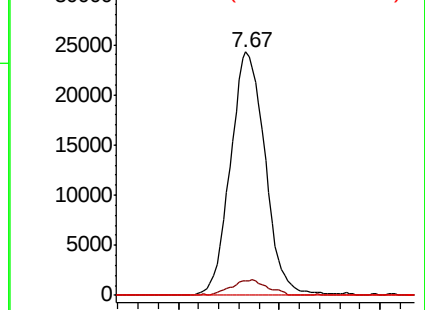
121 0.0 24.6 37.0#



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: 28.984 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051595.D

Acq: 27 Sep 2018 20:32

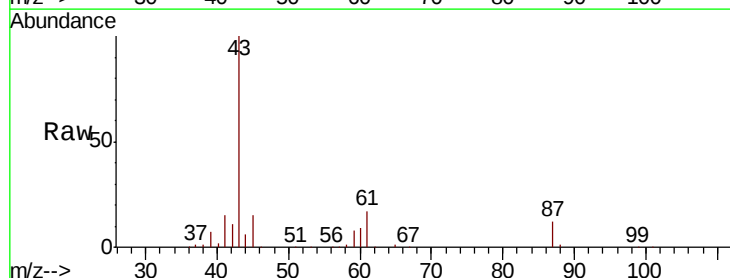
Tgt Ion: 43 Resp: 366045

Ion Ratio Lower Upper

43 100

61 15.2 16.8 25.2#

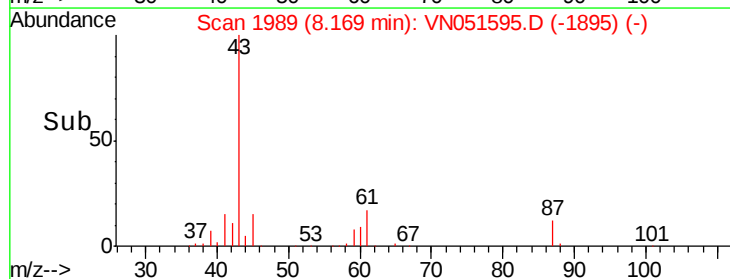
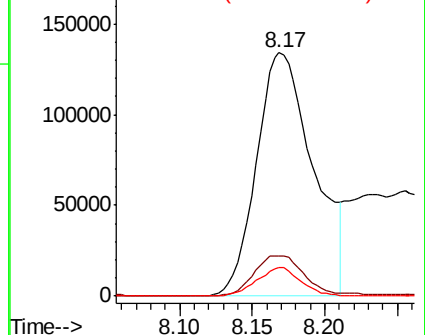
87 9.2 10.7 16.1#

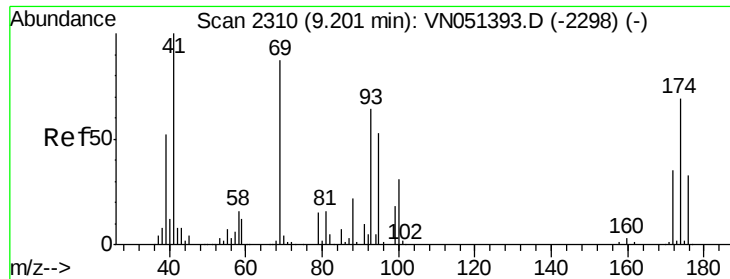


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

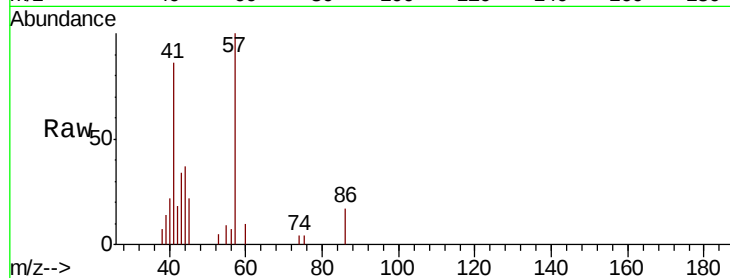




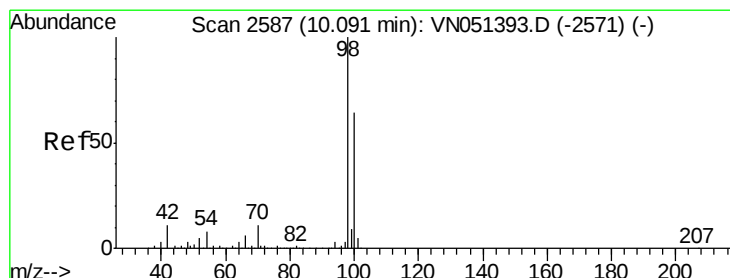
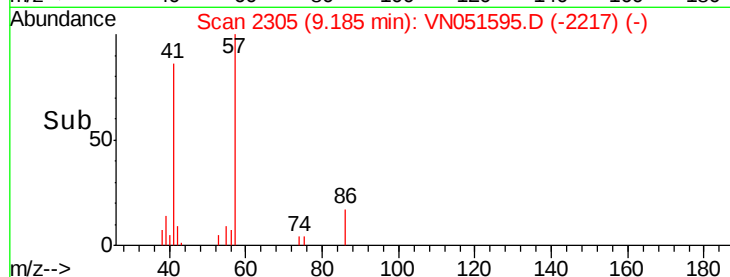
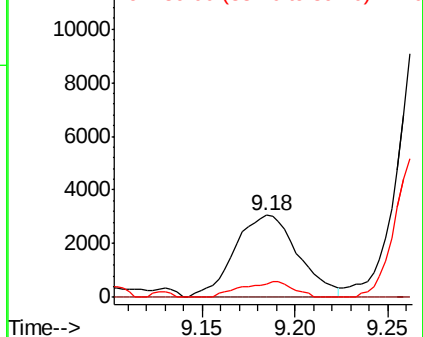
#48
Methvl methacrylate
Concen: 1.159 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN051595.D
Acq: 27 Sep 2018 20:32

Instrument :
MSVOA_N
ClientSampleId :
PB113263ZHE#07

Tot Ion: 41 Resp: 7296
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 15.3 43.8 65.8#

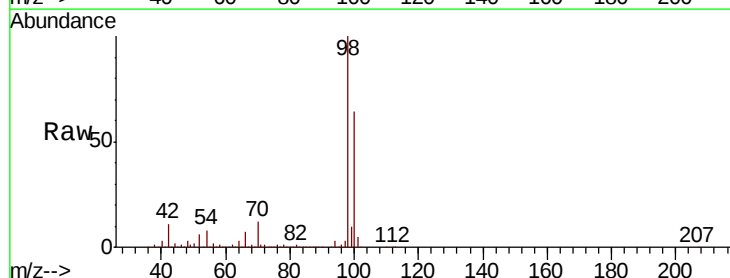


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

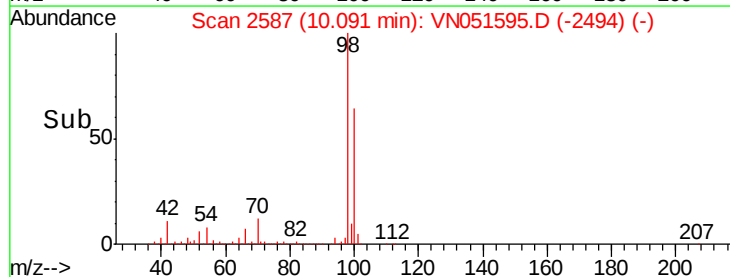
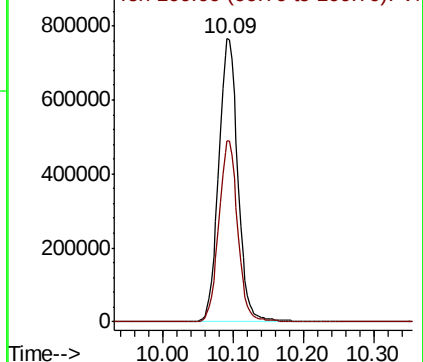


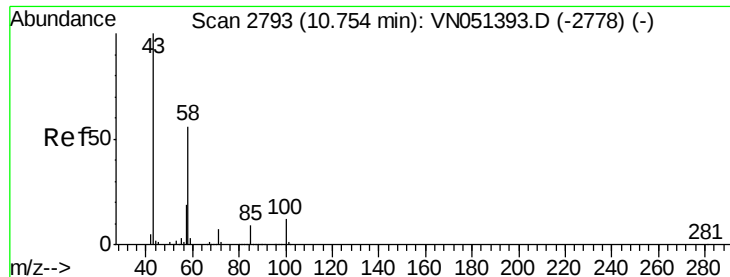
#50
Toluene-d8
Concen: 45.841 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051595.D
Acq: 27 Sep 2018 20:32

Tgt Ion: 98 Resp: 1447944
Ion Ratio Lower Upper
98 100
100 63.4 50.6 75.8



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

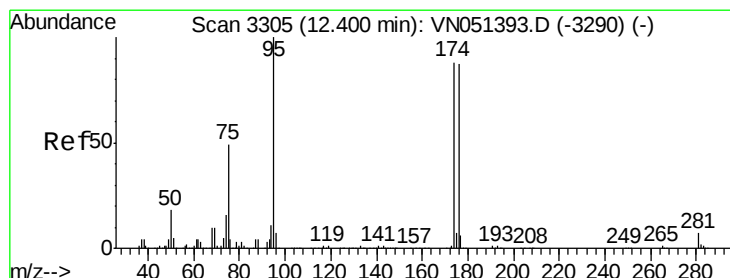
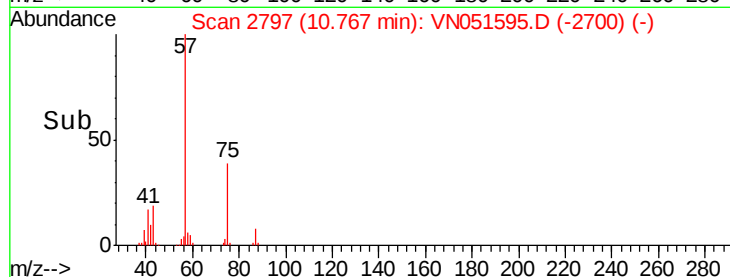
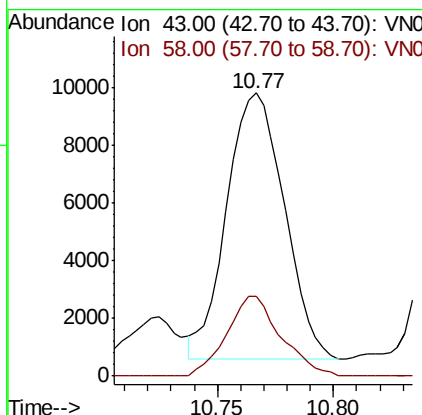
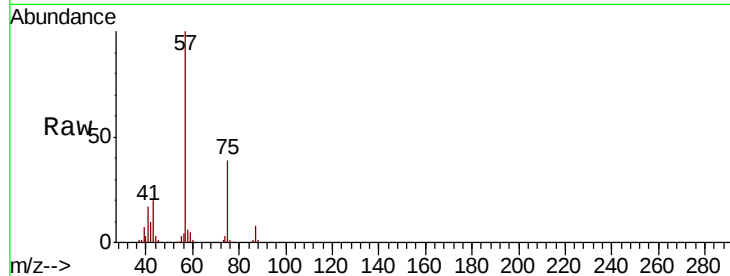




#59
2-Hexanone
Concen: 3.549 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051595.D
Acq: 27 Sep 2018 20:32

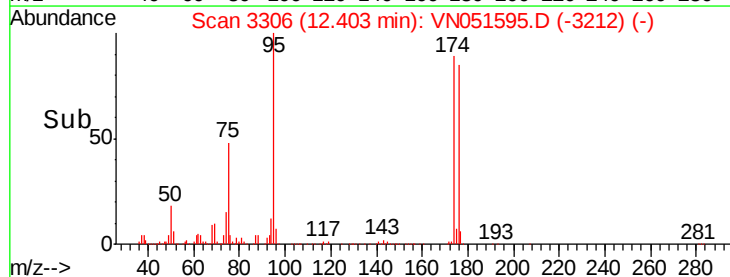
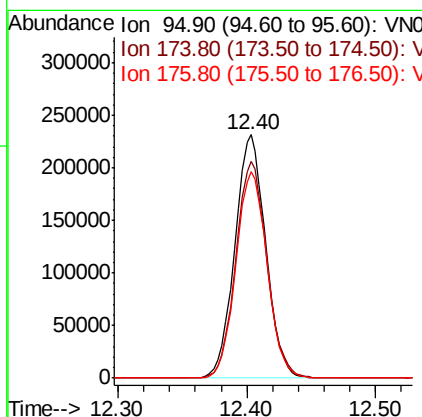
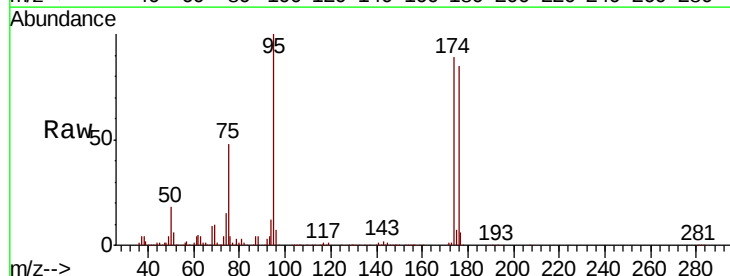
Instrument :
MSVOA_N
ClientSampleId :
PB113263ZHE#07

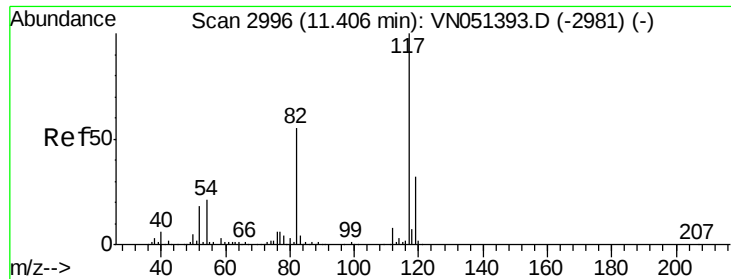
Tot Ion: 43 Resp: 15980
Ion Ratio Lower Upper
43 100
58 28.1 27.7 83.0



#62
4-Bromofluorobenzene
Concen: 37.605 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051595.D
Acq: 27 Sep 2018 20:32

Tgt Ion: 95 Resp: 384256
Ion Ratio Lower Upper
95 100
174 89.8 0.0 181.6
176 86.1 0.0 176.4

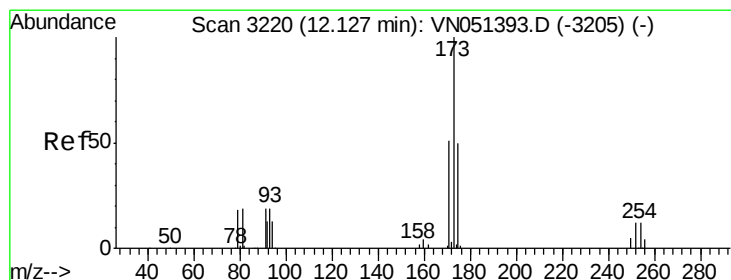
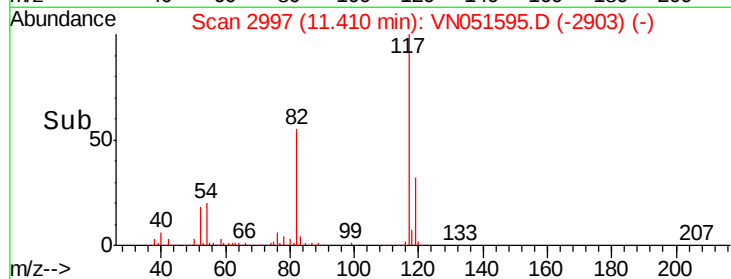
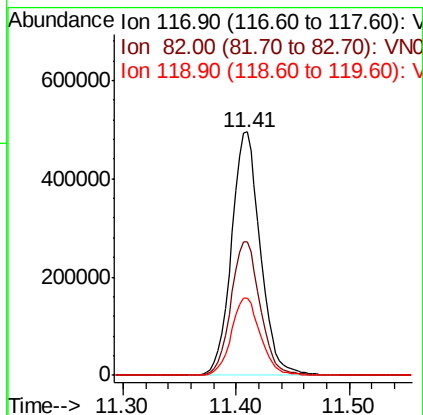
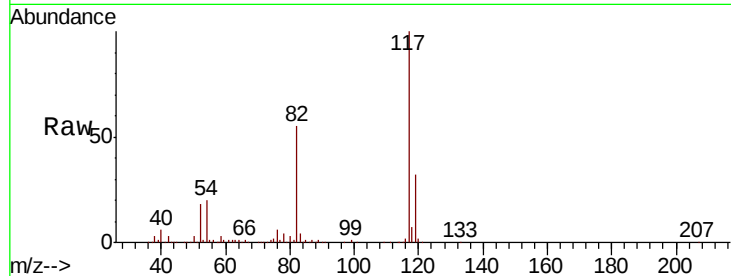




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051595.D
Acq: 27 Sep 2018 20:32

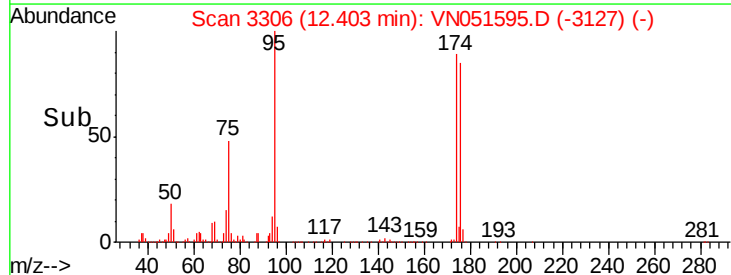
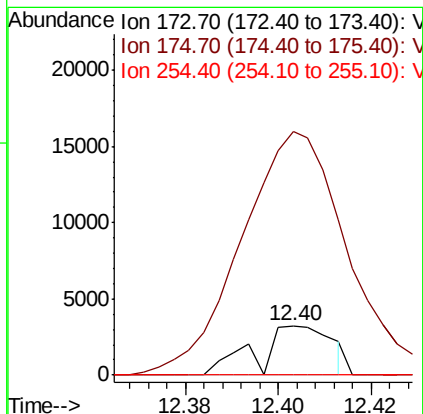
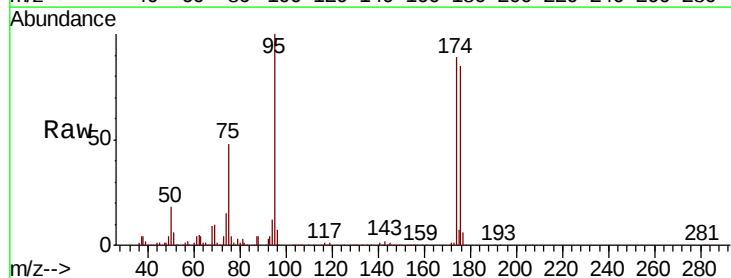
Instrument :
MSVOA_N
ClientSampleId :
PB113263ZHE#07

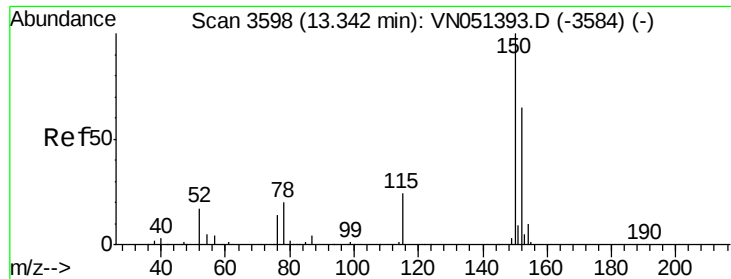
Tot Ion:117 Resp: 875931
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 31.9 25.9 38.9



#71
Bromoform
Concen: 0.623 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051595.D
Acq: 27 Sep 2018 20:32

Tgt Ion:173 Resp: 3618
Ion Ratio Lower Upper
173 100
175 594.1 24.8 74.3#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051595.D

Acq: 27 Sep 2018 20:32

Instrument :

MSVOA_N

ClientSampleId :

PB113263ZHE#07

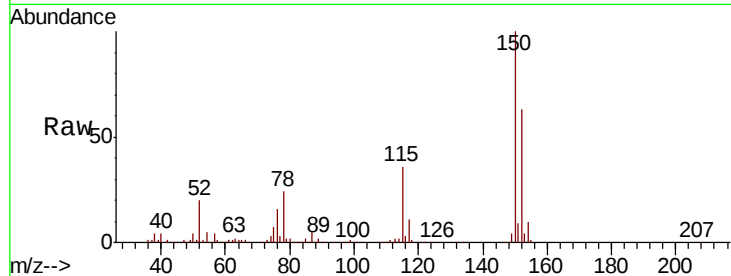
Tot Ion:152 Resp: 297957

Ion Ratio Lower Upper

152 100

115 56.9 28.3 84.9

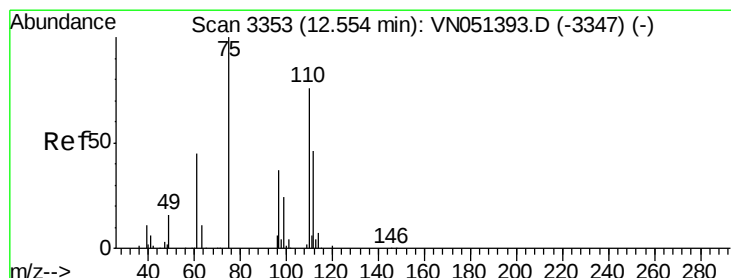
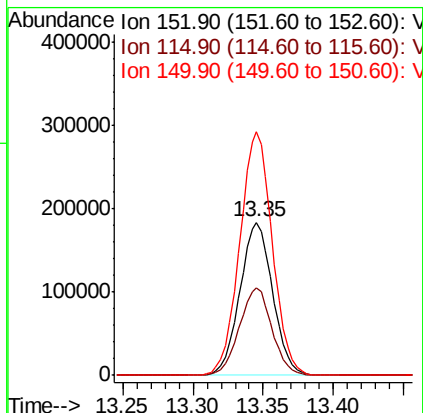
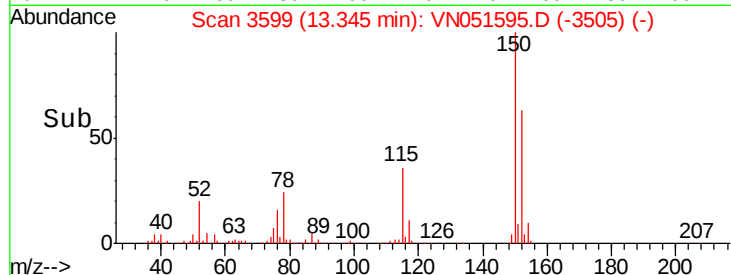
150 158.4 0.0 353.6



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: 37.769 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051595.D

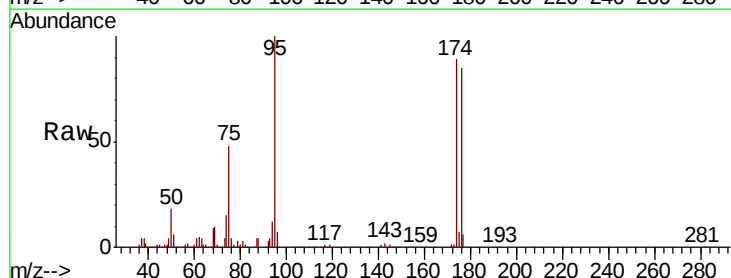
Acq: 27 Sep 2018 20:32

Tgt Ion: 75 Resp: 186815

Ion Ratio Lower Upper

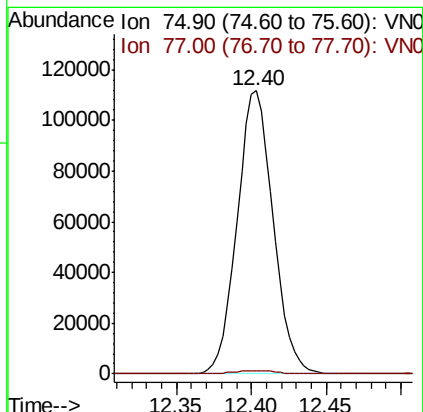
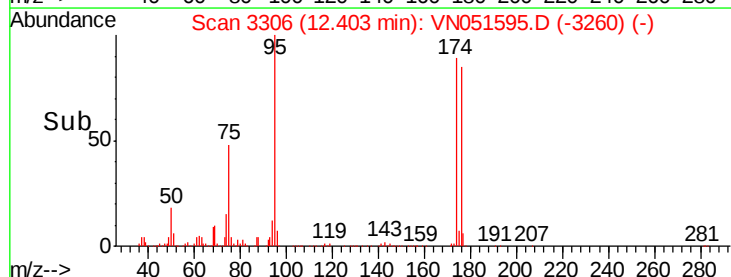
75 100

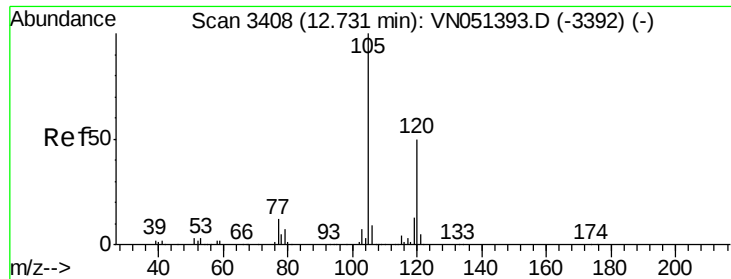
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

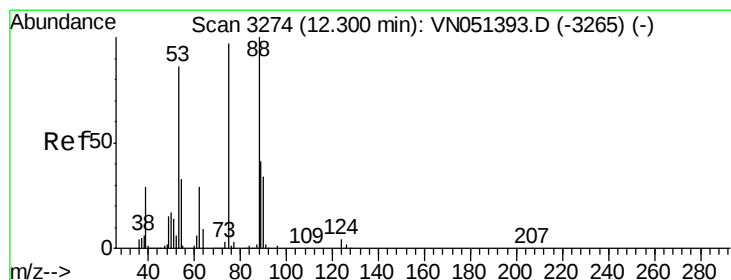
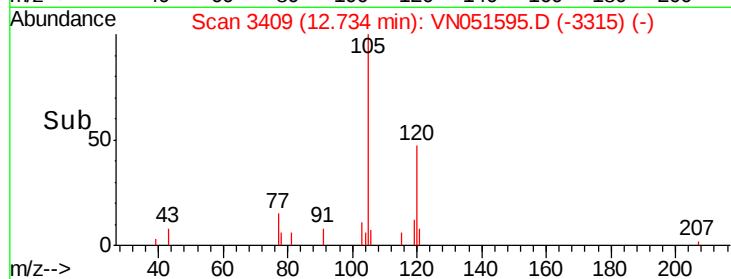
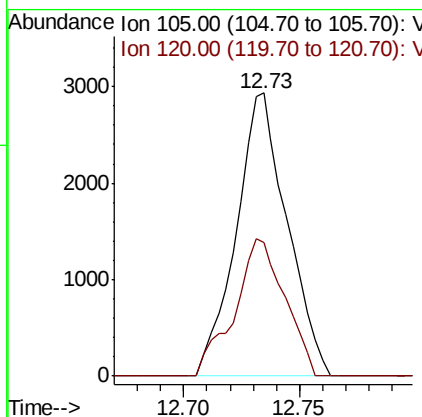
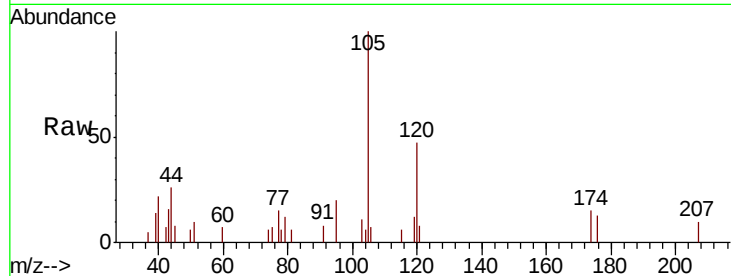




#80
 1,3,5-Trimethylbenzene
 Concen: 0.218 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051595.D
 Acq: 27 Sep 2018 20:32

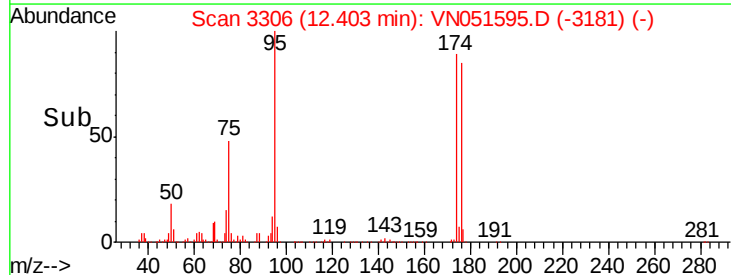
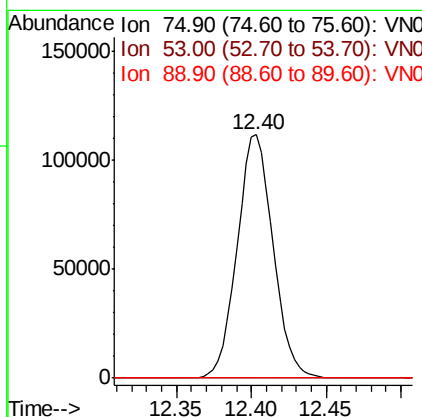
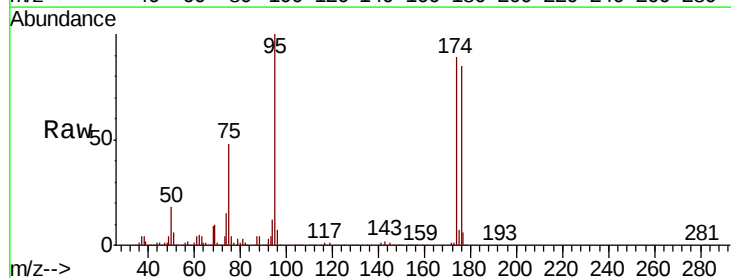
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113263ZHE#07

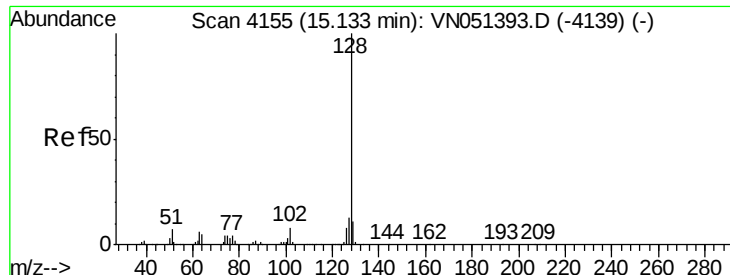
Tot Ion:105 Resp: 4475
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.8 74.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.137 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN051595.D
 Acq: 27 Sep 2018 20:32

Tgt Ion: 75 Resp: 186815
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.9 110.9#
 89 0.0 36.7 55.1#





#95

Naphthalene

Concen: 8.059 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051595.D

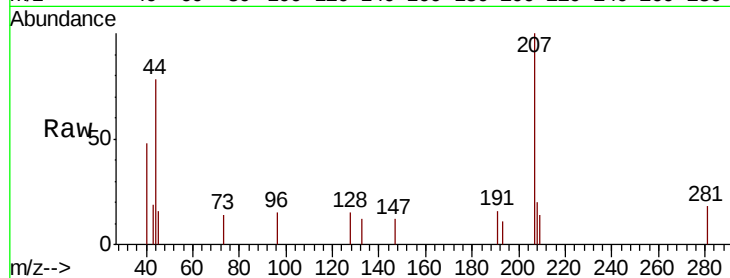
Acq: 27 Sep 2018 20:32

Instrument :

MSVOA_N

ClientSampleId :

PB113263ZHE#07



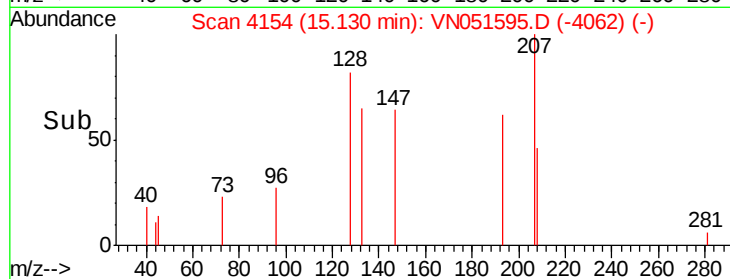
Tot Ion:128 Resp: 194

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

