

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051554.D
 Acq On : 26 Sep 2018 23:16
 Operator : MD\SY
 Sample : PB113219ZHE#11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113219ZHE#11

Quant Time: Sep 27 08:01:43 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	610018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1010148	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	827431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	278764	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	449786	58.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.72%	
35) Dibromofluoromethane	7.59	113	386929	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
50) Toluene-d8	10.09	98	1385135	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
62) 4-Bromofluorobenzene	12.40	95	363588	36.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.90%	

Target Compounds

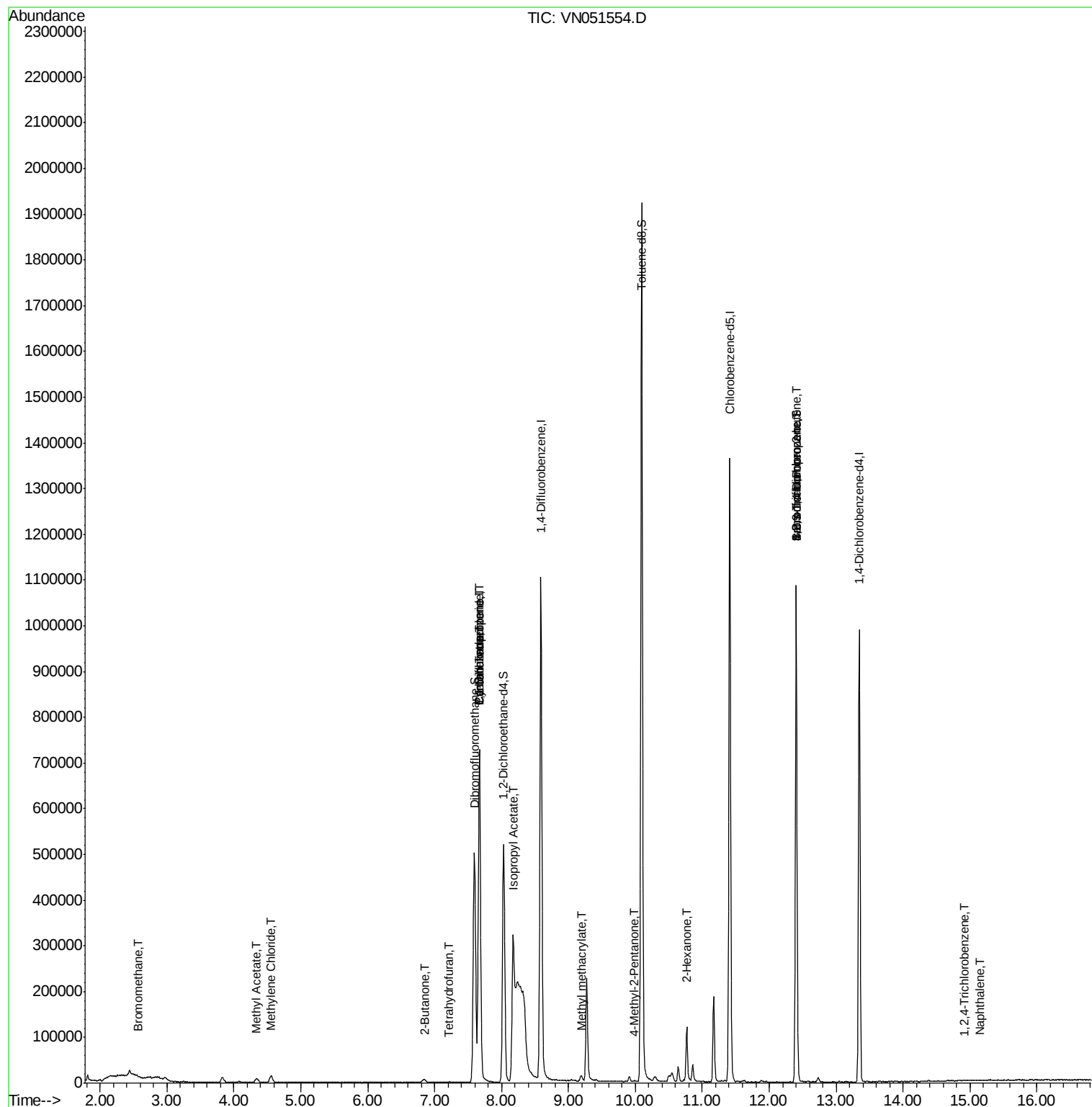
					Qvalue	
5) Bromomethane	2.57	94	1174	0.255	ug/l #	45
16) Acetone	3.82	43	19385	Below	Cal	97
18) Methyl Acetate	4.34	43	19698	3.385	ug/l #	71
20) Methylene Chloride	4.56	84	10299	1.362	ug/l	94
25) 2-Butanone	6.86	43	4398	1.682	ug/l #	69
29) Tetrahydrofuran	7.21	42	827	0.499	ug/l #	69
31) Cyclohexane	7.67	56	11863	0.986	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44580	3.811	ug/l #	48
38) Carbon Tetrachloride	7.67	117	54979	4.493	ug/l #	16
43) Isopropyl Acetate	8.17	43	396155	32.573	ug/l #	88
48) Methyl methacrylate	9.18	41	6879	1.134	ug/l #	18
51) 4-Methyl-2-Pentanone	9.99	43	1578	0.236	ug/l #	86
59) 2-Hexanone	10.77	43	15110	3.485	ug/l	64
71) Bromoform	12.40	173	2319	0.423	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	174829	37.779	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	174829	116.168	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.92	180	113	6.000	ug/l #	11
95) Naphthalene	15.14	128	294	8.068	ug/l #	69

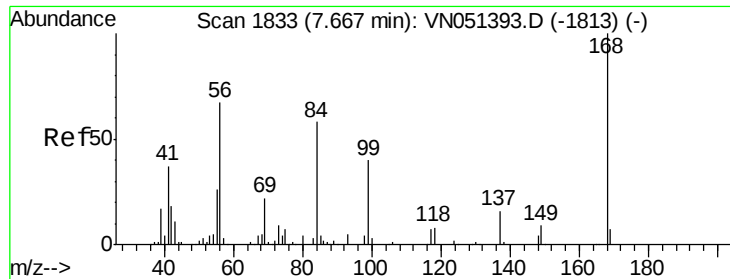
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092718\
Data File : VN051554.D
Acq On : 26 Sep 2018 23:16
Operator : MD\SY
Sample : PB113219ZHE#11
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB113219ZHE#11

Quant Time: Sep 27 08:01:43 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: VN051554.D

Acq: 26 Sep 2018 23:16

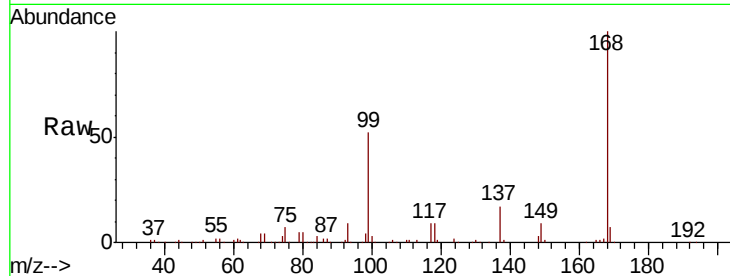
Instrument :
MSVOA_N
ClientSampleId :
PB113219ZHE#11

Tot Ion:168 Resp: 610018

Ion Ratio Lower Upper

168 100

99 52.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

250000

200000

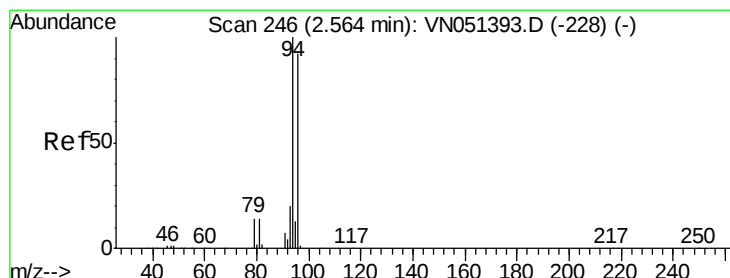
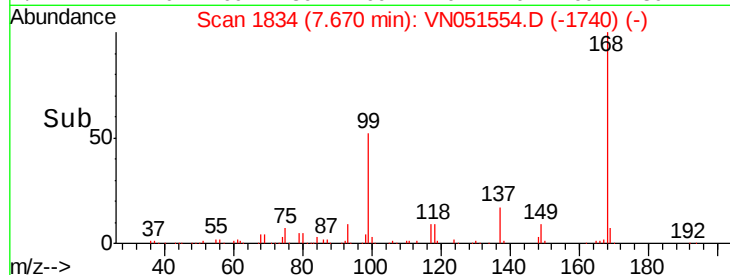
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.255 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051554.D

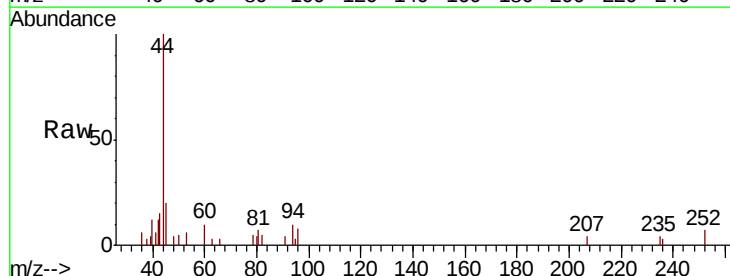
Acq: 26 Sep 2018 23:16

Tgt Ion: 94 Resp: 1174

Ion Ratio Lower Upper

94 100

96 40.0 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN051393.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VN051393.D (-228) (-)

2.57

600

500

400

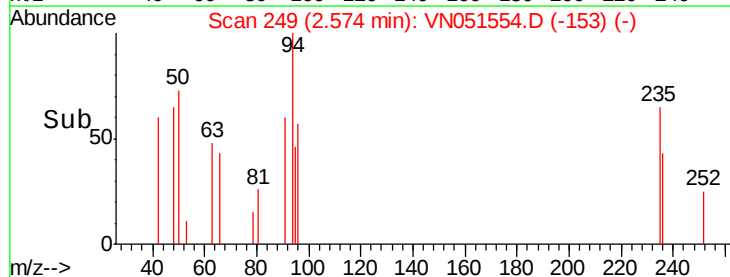
300

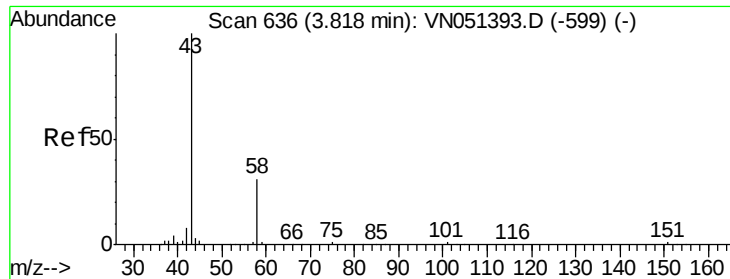
200

100

0

Time-->

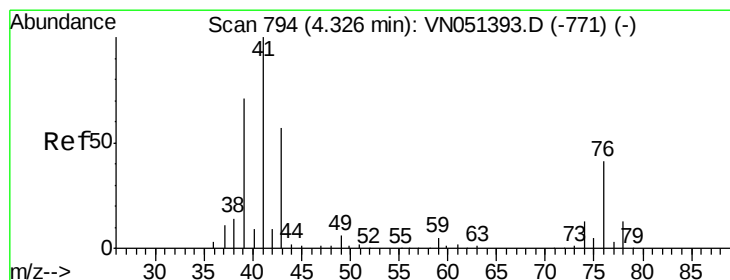
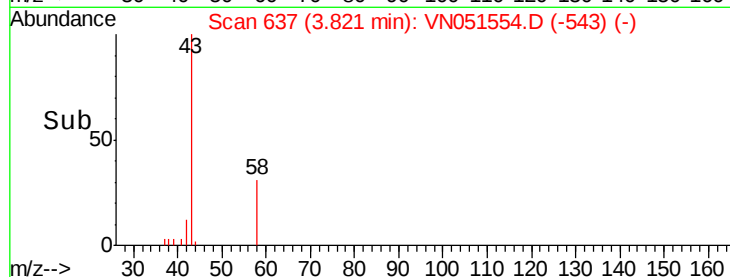
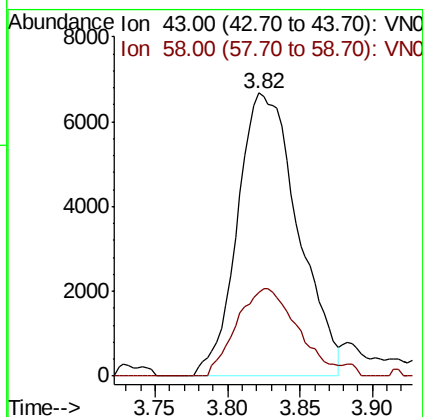
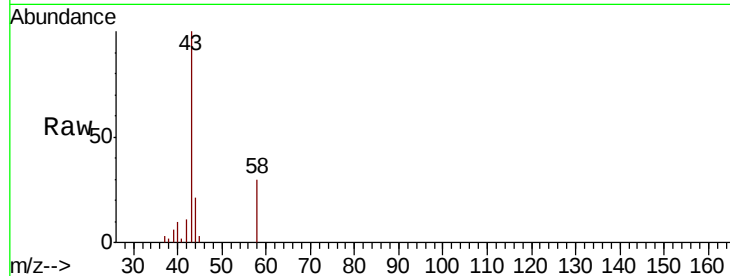




#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN051554.D
Acq: 26 Sep 2018 23:16

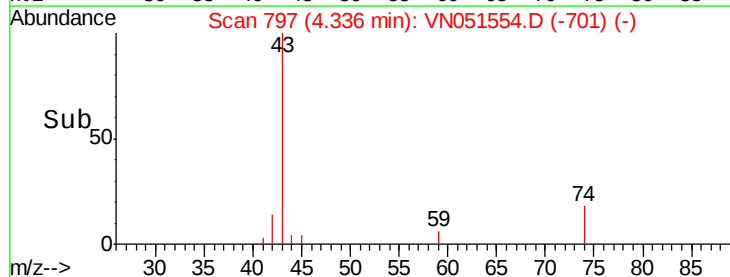
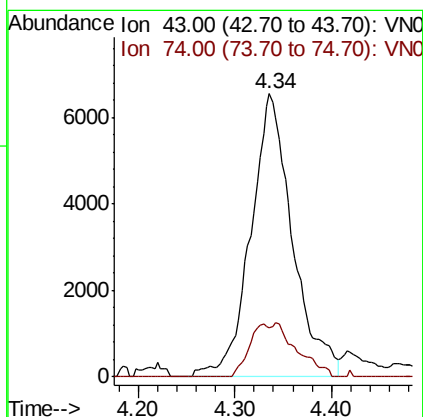
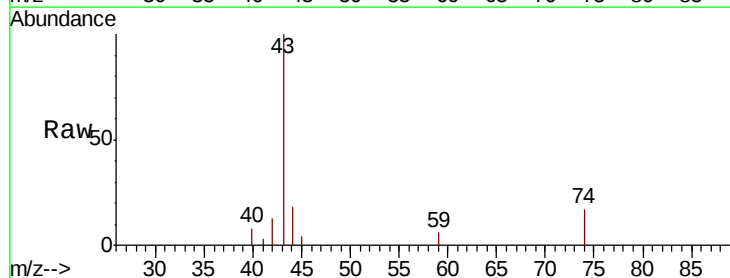
Instrument :
MSVOA_N
ClientSampleId :
PB113219ZHE#11

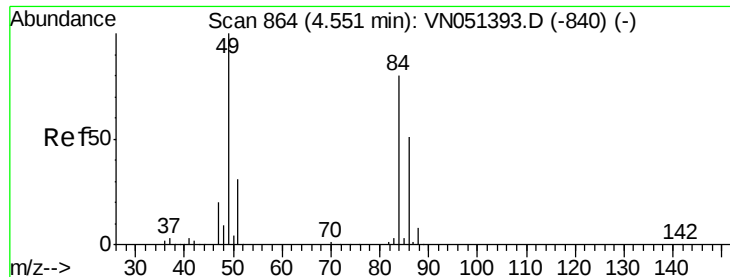
Tot Ion: 43 Resp: 19385
Ion Ratio Lower Upper
43 100
58 29.8 25.0 37.4



#18
Methyl Acetate
Concen: 3.385 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051554.D
Acq: 26 Sep 2018 23:16

Tgt Ion: 43 Resp: 19698
Ion Ratio Lower Upper
43 100
74 9.3 18.8 28.2#

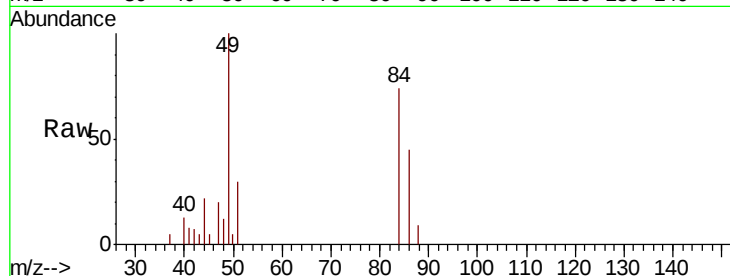




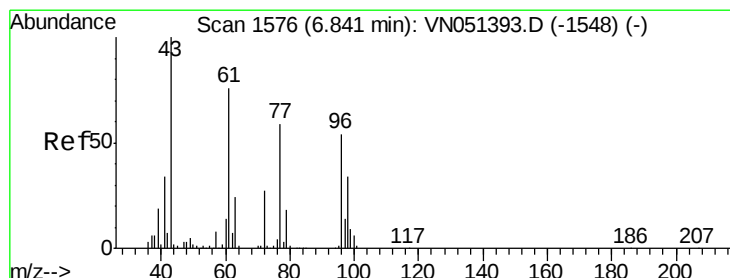
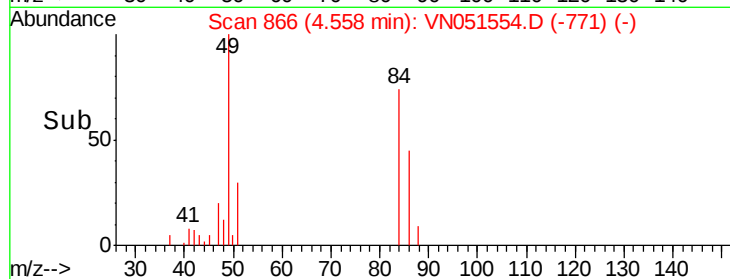
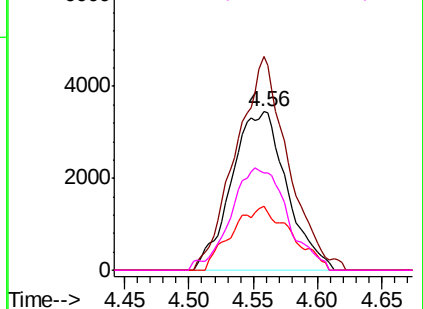
#20
Methvlene Chloride
Concen: 1.362 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051554.D
Acq: 26 Sep 2018 23:16

Instrument :
MSVOA_N
ClientSampleId :
PB113219ZHE#11

Tot Ion: 84 Resp: 10299
Ion Ratio Lower Upper
84 100
49 134.9 99.9 149.9
51 40.1 31.4 47.2
86 61.3 50.9 76.3

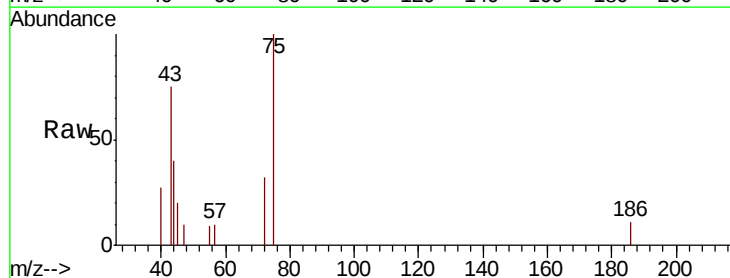


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

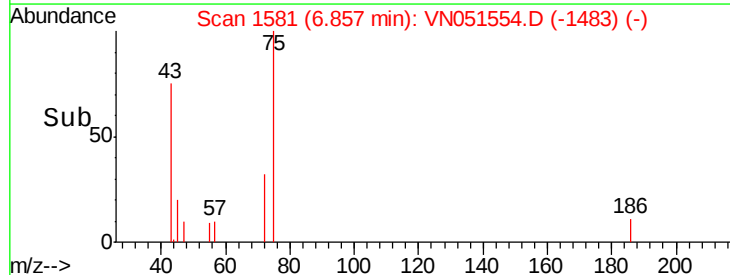
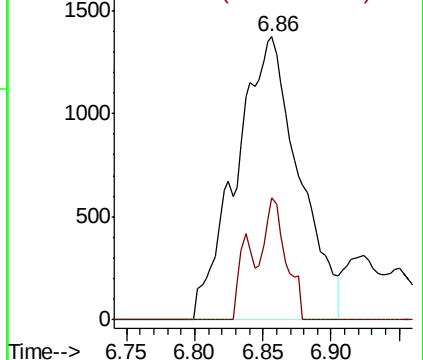


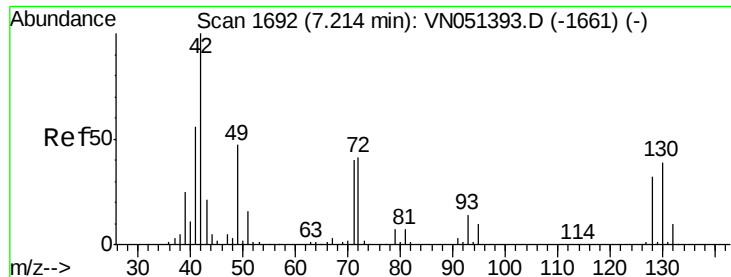
#25
2-Butanone
Concen: 1.682 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.02 min
Lab File: VN051554.D
Acq: 26 Sep 2018 23:16

Tgt Ion: 43 Resp: 4398
Ion Ratio Lower Upper
43 100
72 43.3 21.8 32.6#



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





#29

Tetrahydrofuran

Concen: 0.499 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.01 min

Lab File: VN051554.D

Acq: 26 Sep 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

PB113219ZHE#11

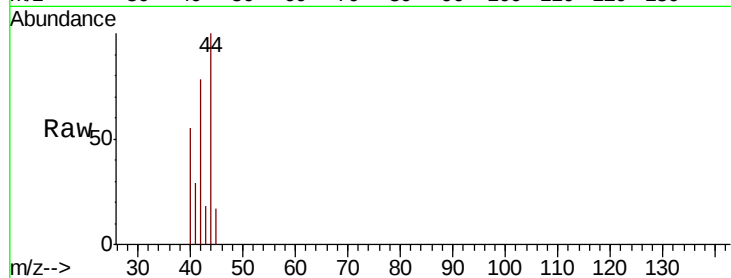
Tot Ion: 42 Resp: 827

Ion Ratio Lower Upper

42 100

72 36.4 34.3 51.5

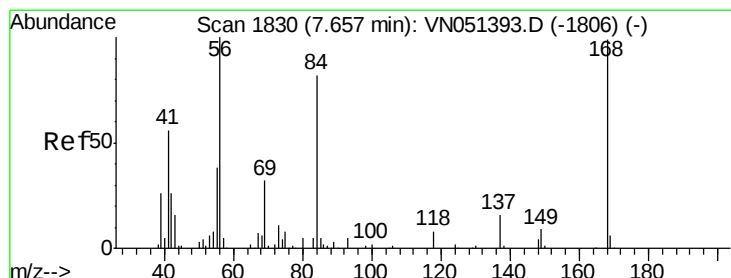
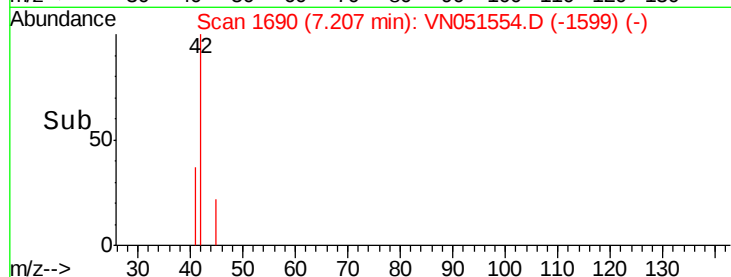
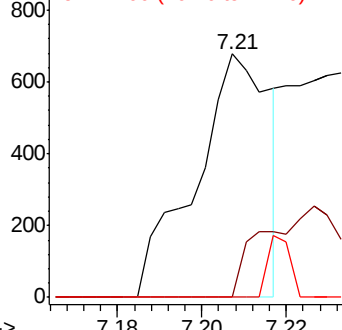
71 7.6 32.2 48.4#



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: 0.986 ug/l

RT: 7.67 min Scan# 1835

Delta R.T. 0.02 min

Lab File: VN051554.D

Acq: 26 Sep 2018 23:16

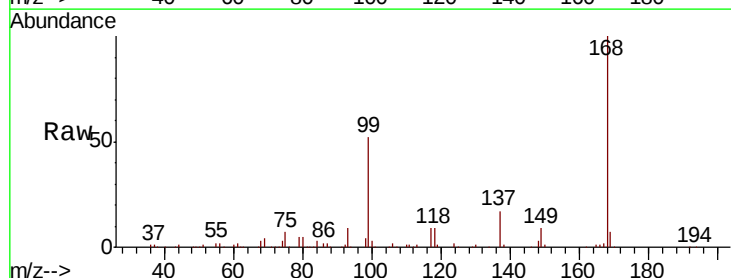
Tgt Ion: 56 Resp: 11863

Ion Ratio Lower Upper

56 100

69 174.6 25.8 38.6#

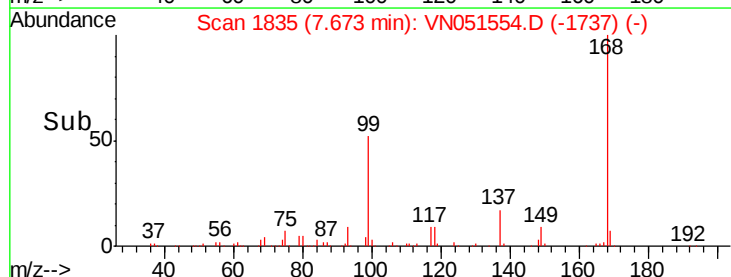
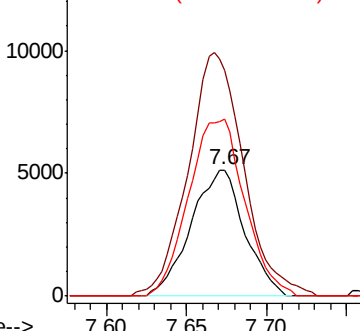
84 140.5 66.0 99.0#

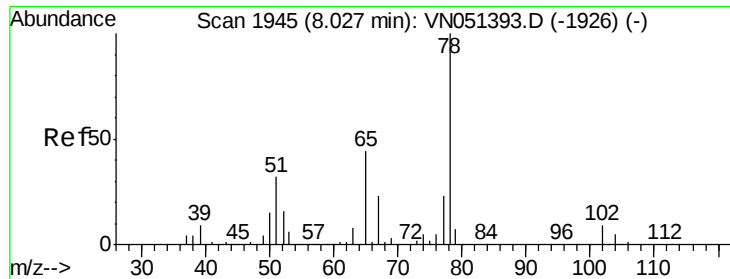


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

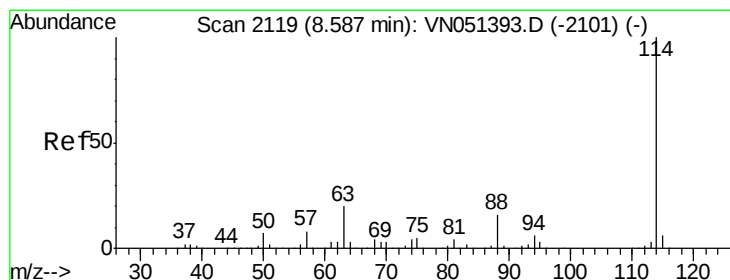
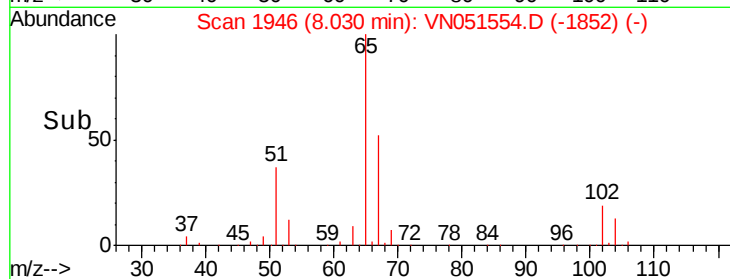
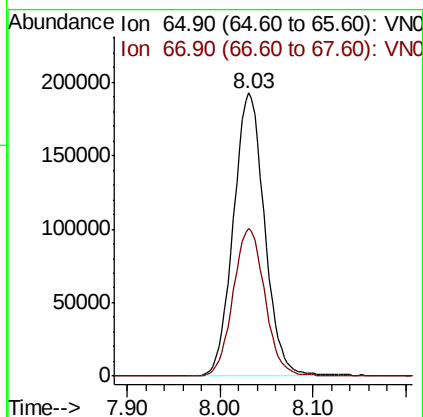
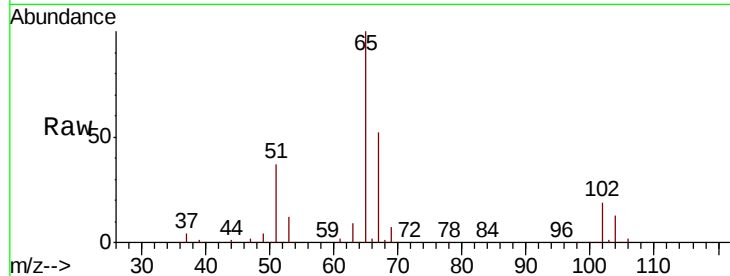




#33
 1,2-Dichloroethane-d4
 Concen: 58.860 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051554.D
 Acq: 26 Sep 2018 23:16

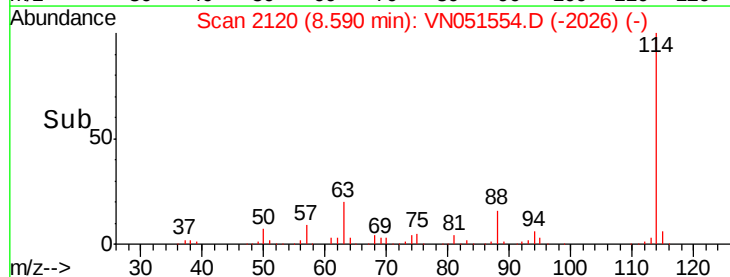
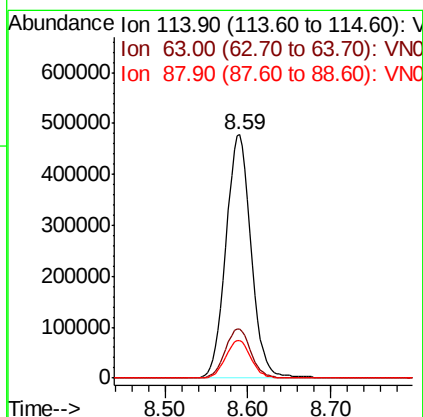
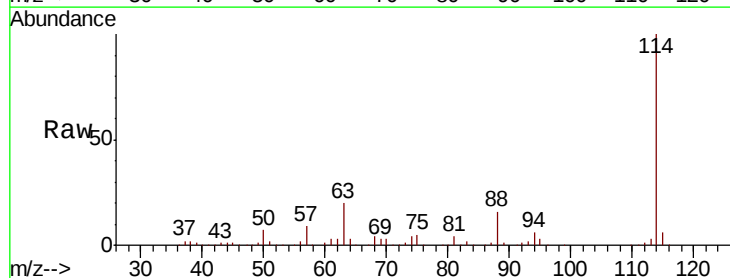
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113219ZHE#11

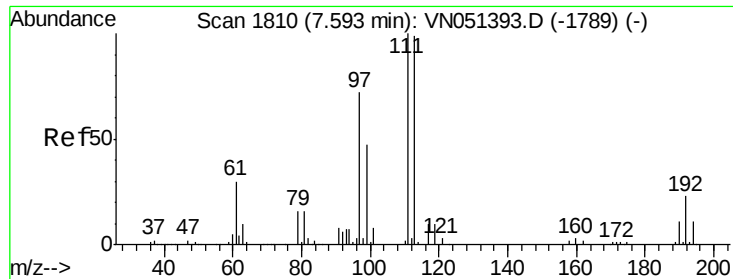
Tot Ion: 65 Resp: 449786
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051554.D
 Acq: 26 Sep 2018 23:16

Tgt Ion: 114 Resp: 1010148
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.2
 88 15.6 0.0 31.4

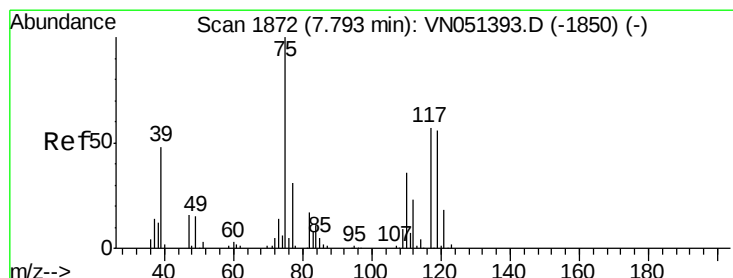
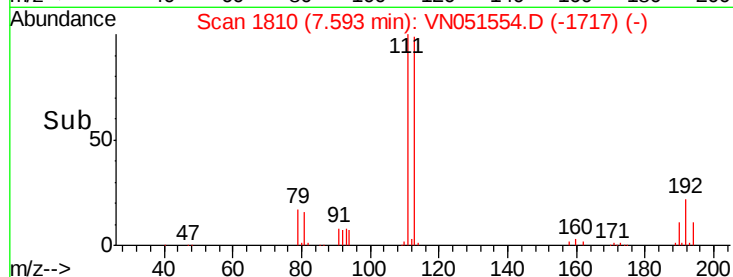
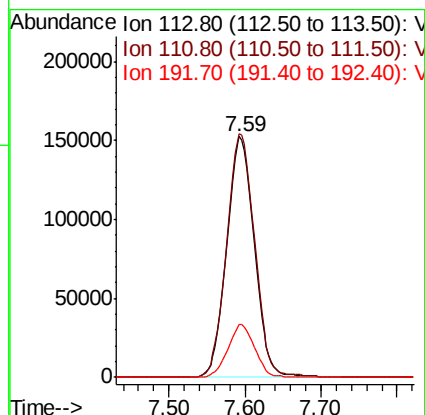
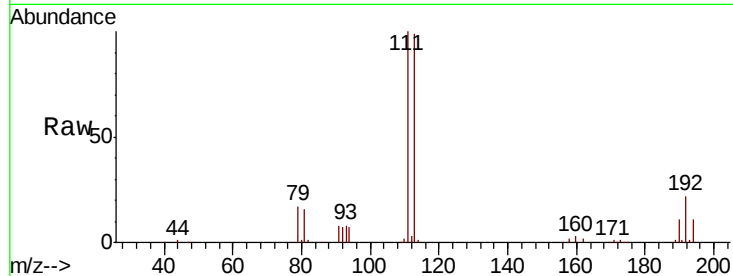




#35
 Dibromofluoromethane
 Concen: 47.901 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051554.D
 Acq: 26 Sep 2018 23:16

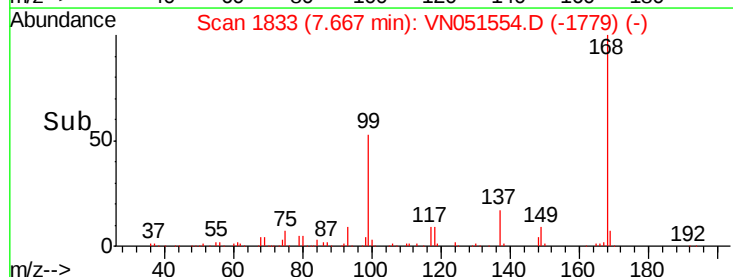
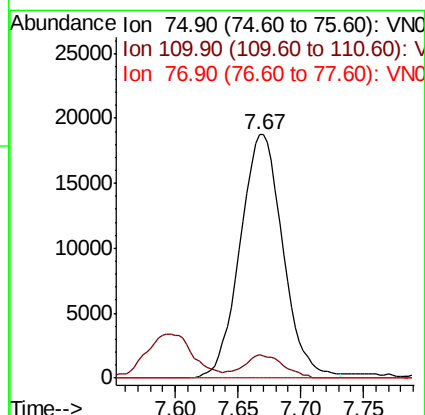
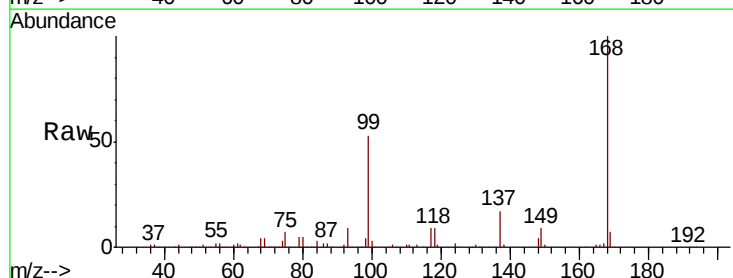
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113219ZHE#11

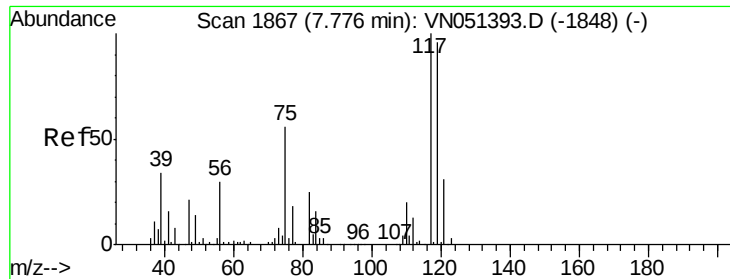
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	21.3	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.811 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051554.D
 Acq: 26 Sep 2018 23:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.3#
77	0.0	25.6	38.4#





#38

Carbon Tetrachloride

Concen: 4.493 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051554.D

Acq: 26 Sep 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

PB113219ZHE#11

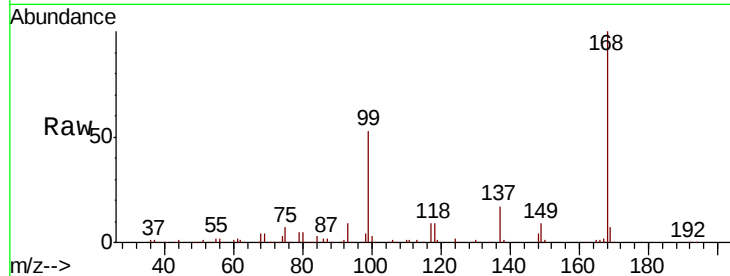
Tot Ion:117 Resp: 54979

Ion Ratio Lower Upper

117 100

119 5.7 76.9 115.3#

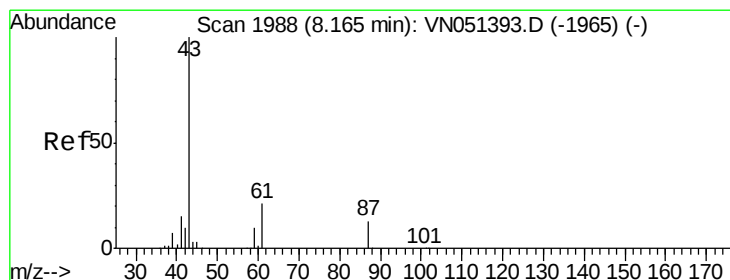
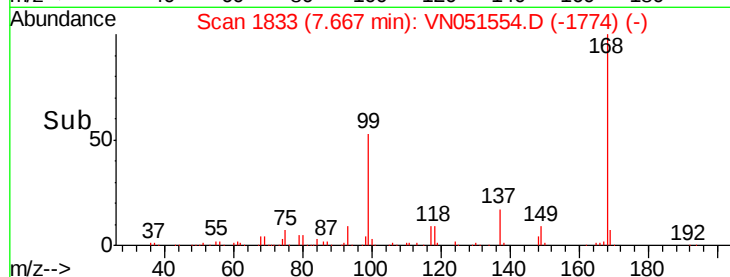
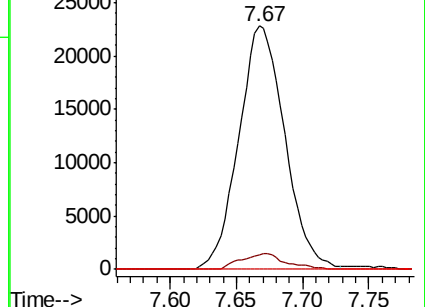
121 0.0 24.6 37.0#



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: 32.573 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN051554.D

Acq: 26 Sep 2018 23:16

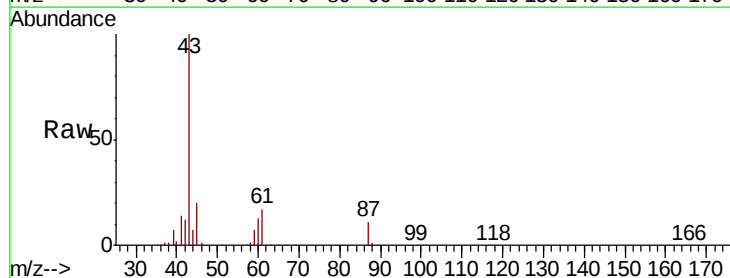
Tgt Ion: 43 Resp: 396155

Ion Ratio Lower Upper

43 100

61 14.9 16.8 25.2#

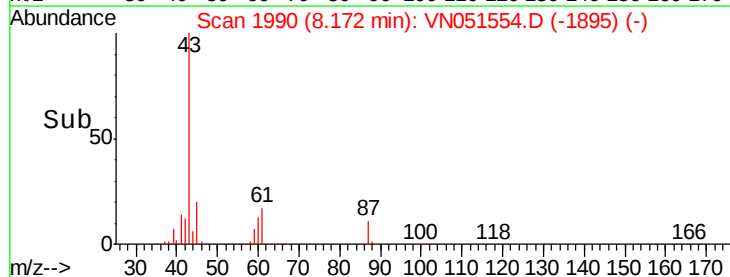
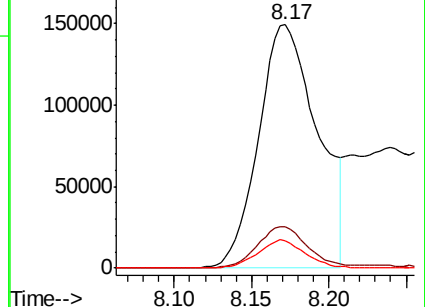
87 9.3 10.7 16.1#

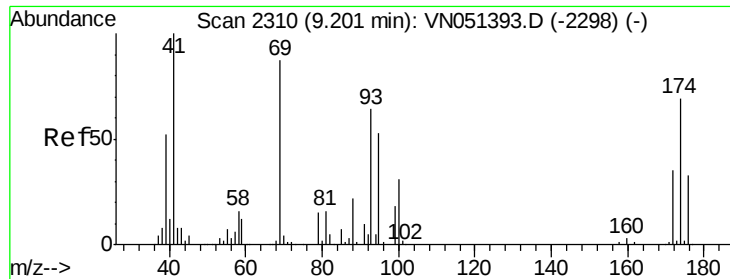


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

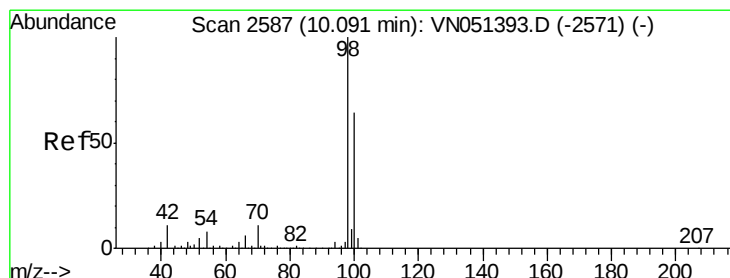
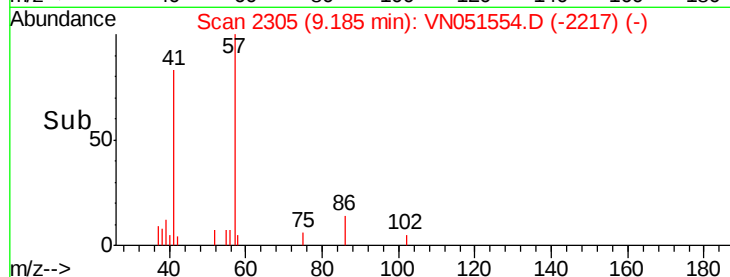
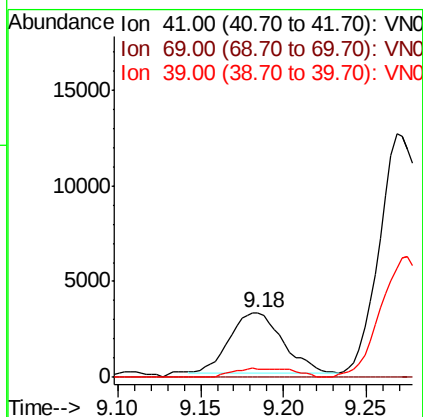
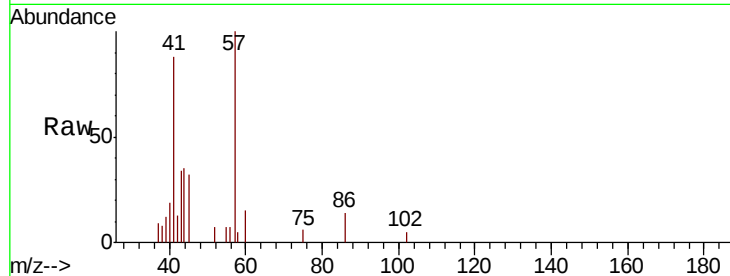




#48
Methvl methacrylate
Concen: 1.134 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN051554.D
Acq: 26 Sep 2018 23:16

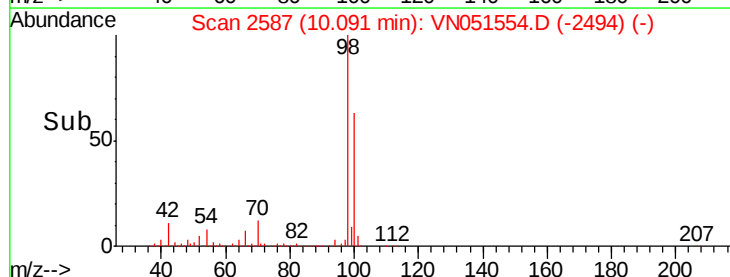
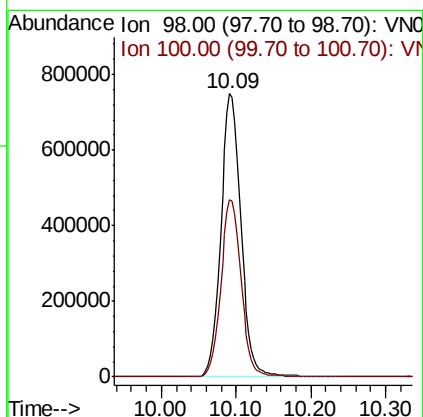
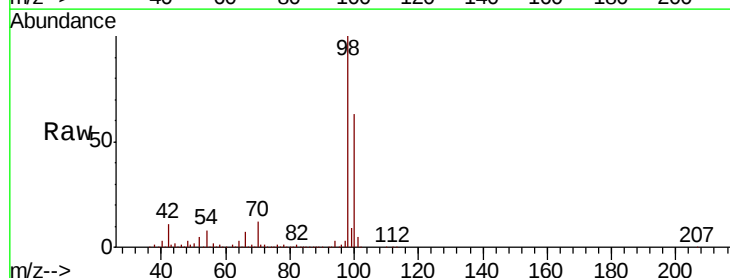
Instrument :
MSVOA_N
ClientSampleId :
PB113219ZHE#11

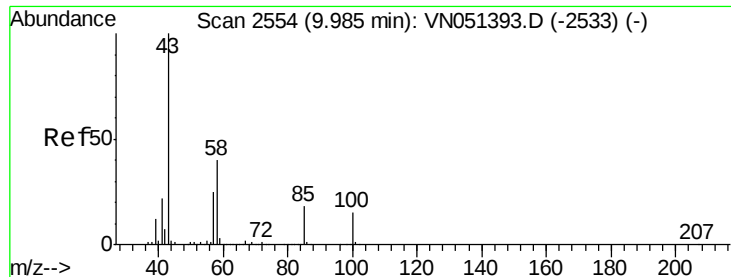
Tot Ion: 41 Resp: 6879
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 10.1 43.8 65.8#



#50
Toluene-d8
Concen: 45.537 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051554.D
Acq: 26 Sep 2018 23:16

Tgt Ion: 98 Resp: 1385135
Ion Ratio Lower Upper
98 100
100 63.1 50.6 75.8

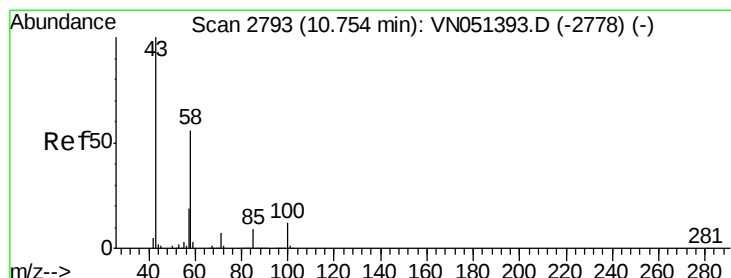
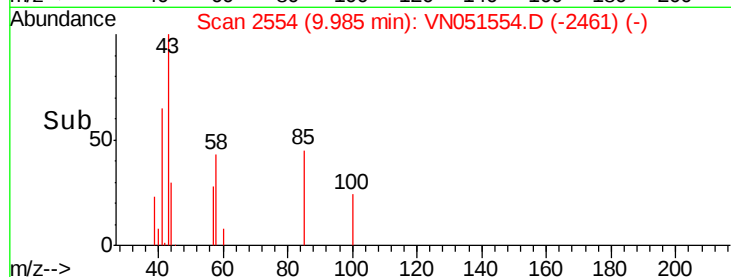
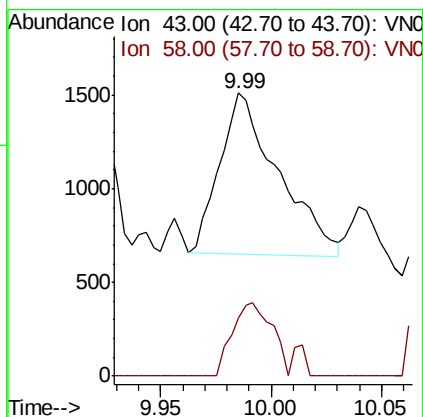
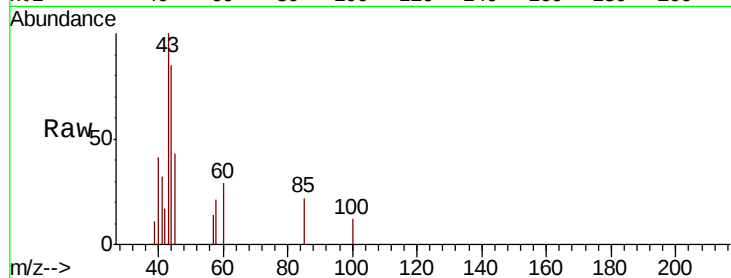




#51
4-Methyl-2-Pentanone
Concen: 0.236 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051554.D
Acq: 26 Sep 2018 23:16

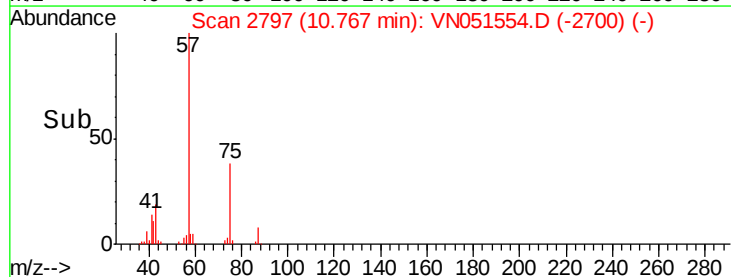
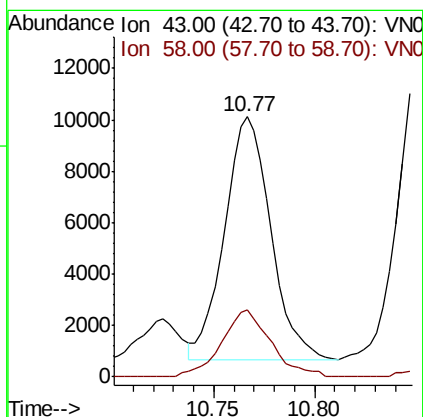
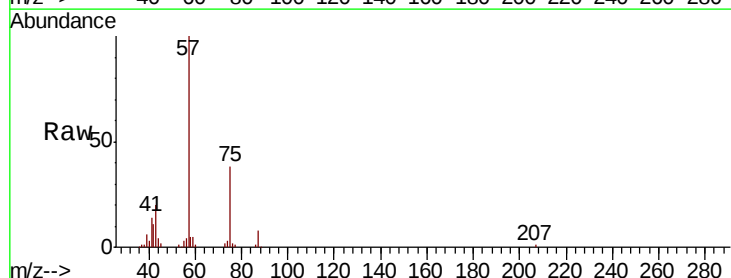
Instrument :
MSVOA_N
ClientSampleId :
PB113219ZHE#11

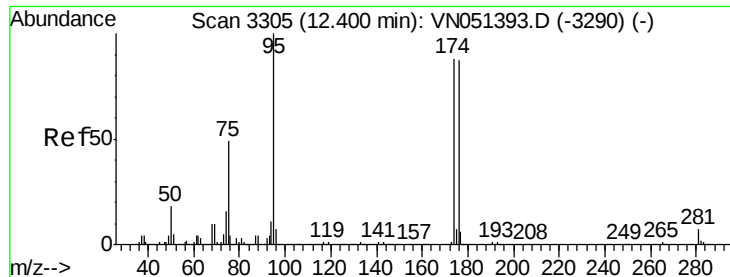
Tot Ion: 43 Resp: 1578
Ion Ratio Lower Upper
43 100
58 30.9 31.5 47.3#



#59
2-Hexanone
Concen: 3.485 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051554.D
Acq: 26 Sep 2018 23:16

Tgt Ion: 43 Resp: 15110
Ion Ratio Lower Upper
43 100
58 29.4 27.7 83.0





#62

4-Bromofluorobenzene

Concen: 36.950 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051554.D

Acq: 26 Sep 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

PB113219ZHE#11

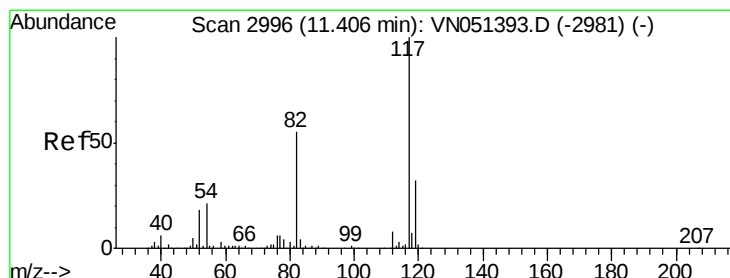
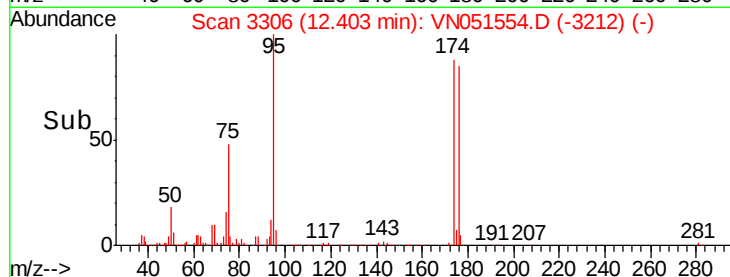
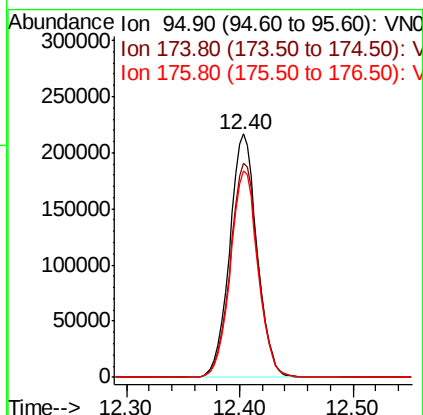
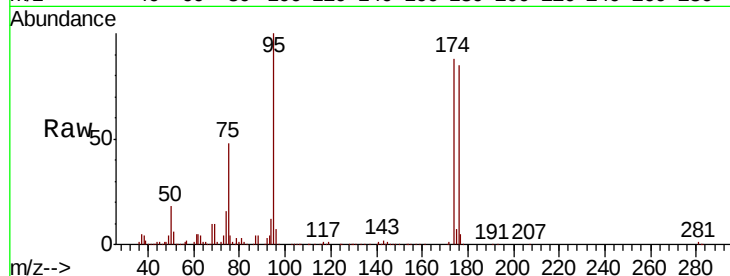
Tot Ion: 95 Resp: 363588

Ion Ratio Lower Upper

95 100

174 89.7 0.0 181.6

176 85.3 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: VN051554.D

Acq: 26 Sep 2018 23:16

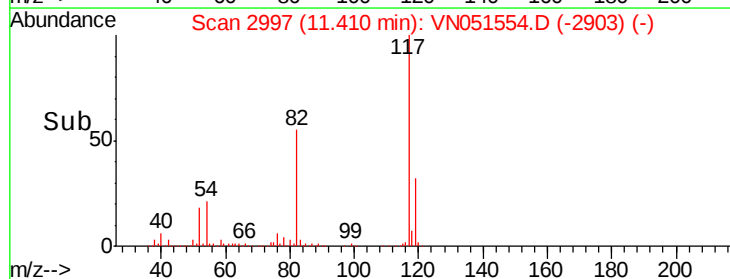
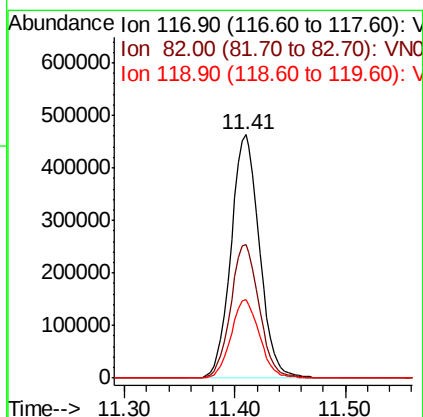
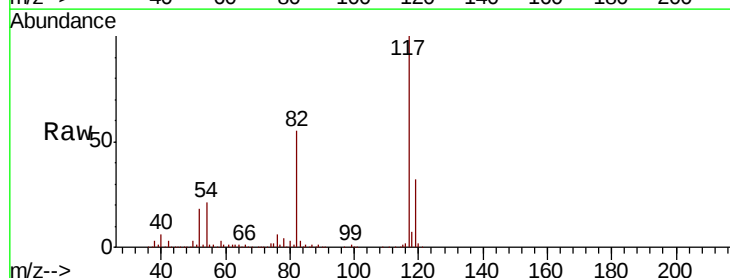
Tgt Ion: 117 Resp: 827431

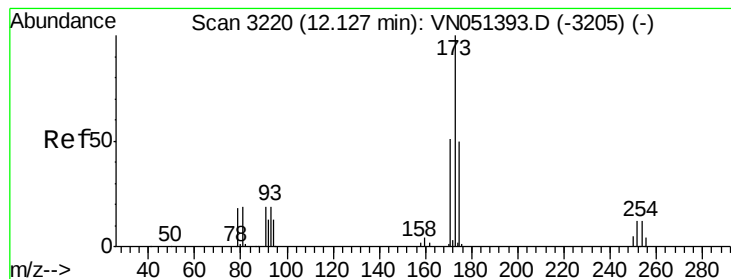
Ion Ratio Lower Upper

117 100

82 55.1 44.2 66.2

119 32.2 25.9 38.9





#71

Bromoform

Concen: 0.423 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN051554.D

Acq: 26 Sep 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

PB113219ZHE#11

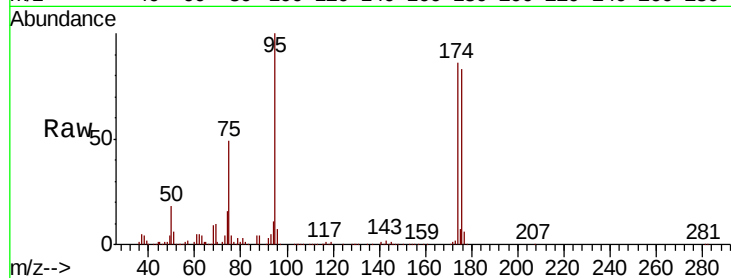
Tot Ion:173 Resp: 2319

Ion Ratio Lower Upper

173 100

175 891.3 24.8 74.3#

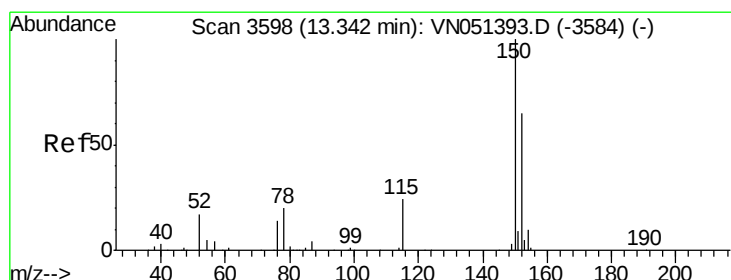
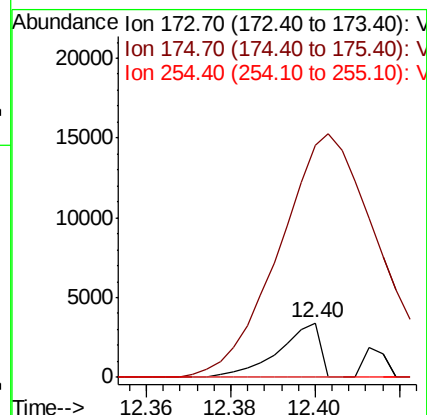
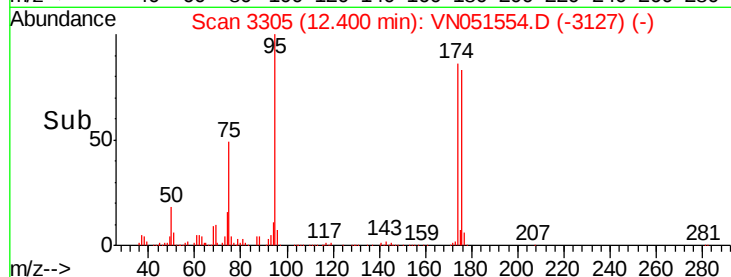
254 0.0 0.2 0.2#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051554.D

Acq: 26 Sep 2018 23:16

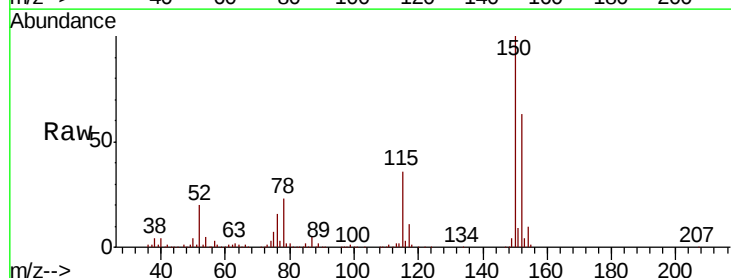
Tgt Ion:152 Resp: 278764

Ion Ratio Lower Upper

152 100

115 56.5 28.3 84.9

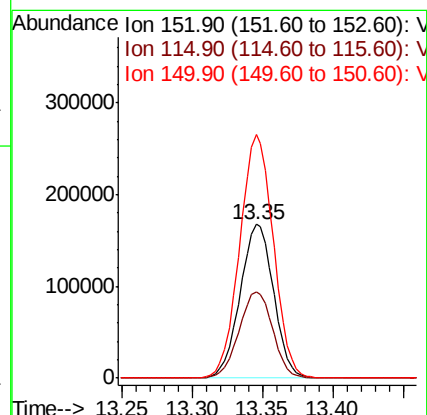
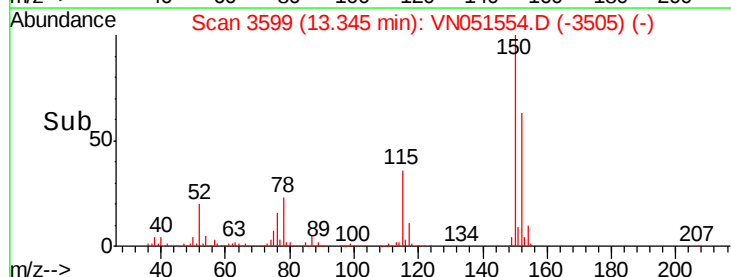
150 158.8 0.0 353.6

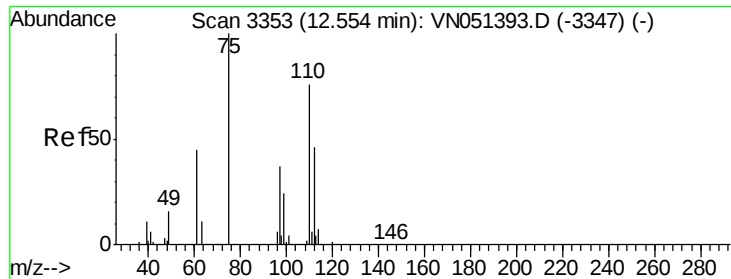


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 37.779 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051554.D

Acq: 26 Sep 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

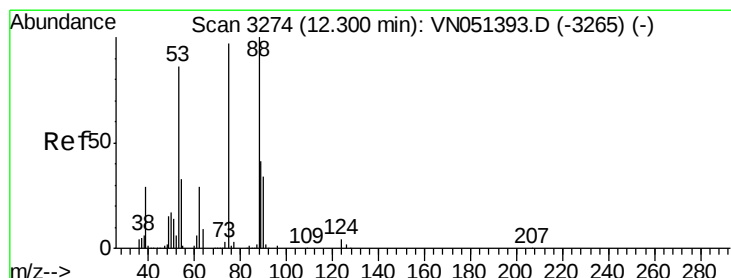
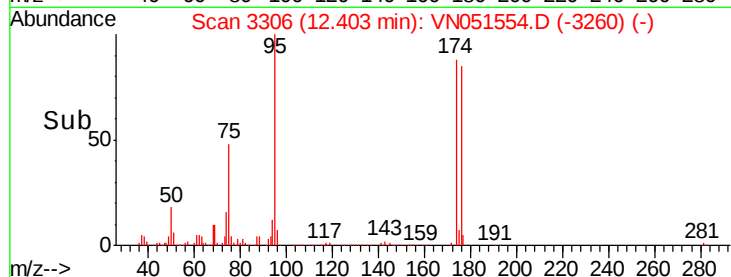
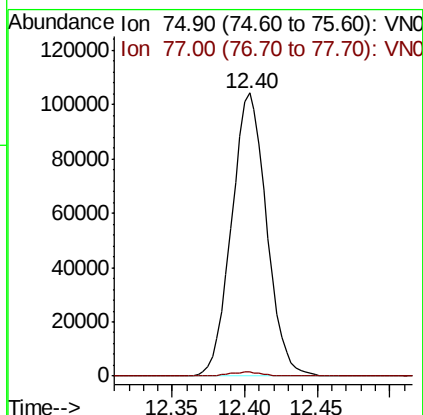
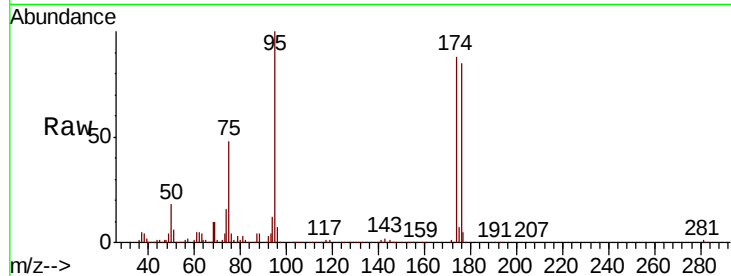
PB113219ZHE#11

Tot Ion: 75 Resp: 174829

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 116.168 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051554.D

Acq: 26 Sep 2018 23:16

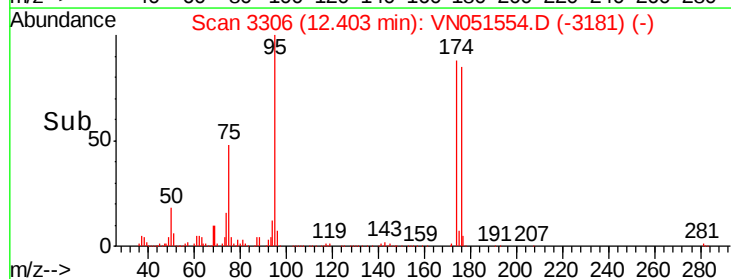
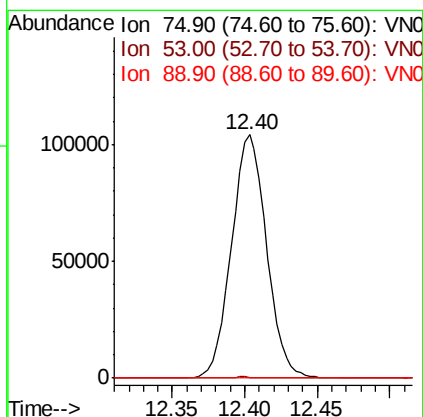
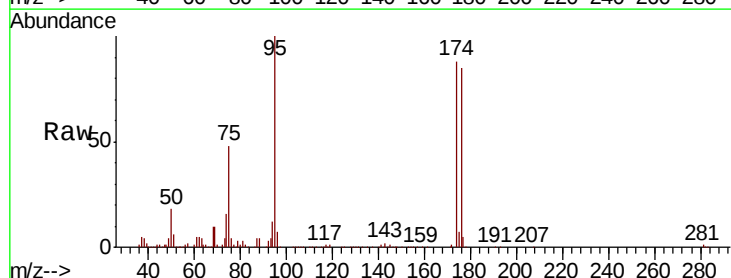
Tgt Ion: 75 Resp: 174829

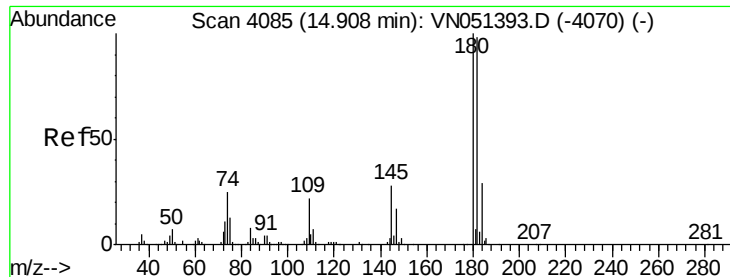
Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

89 0.0 36.7 55.1#

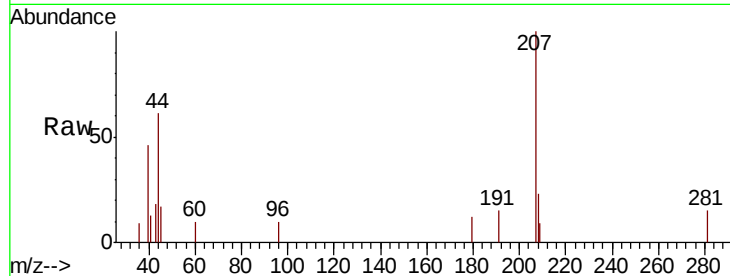




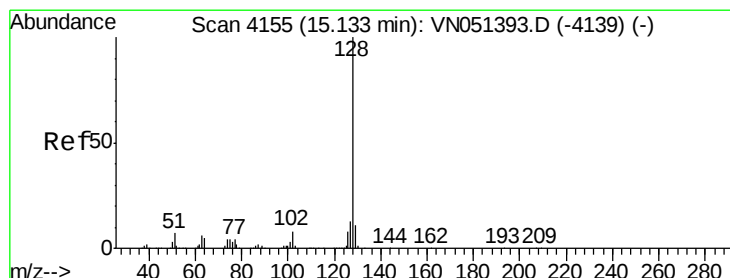
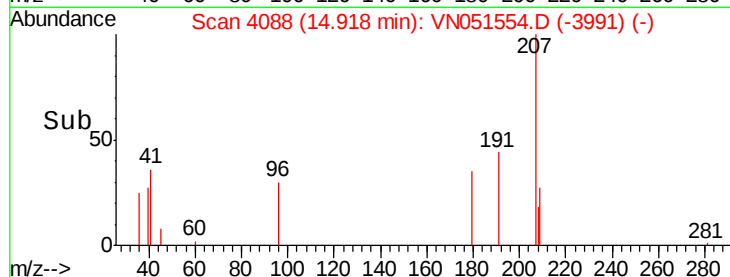
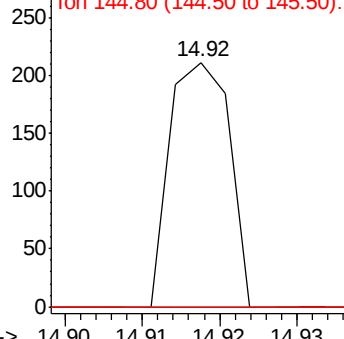
#93
 1,2,4-Trichlorobenzene
 Concen: 6.000 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.01 min
 Lab File: VN051554.D
 Acq: 26 Sep 2018 23:16

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113219ZHE#11

Tot Ion:180 Resp: 113
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.5 145.6#
 145 0.0 14.1 42.4#

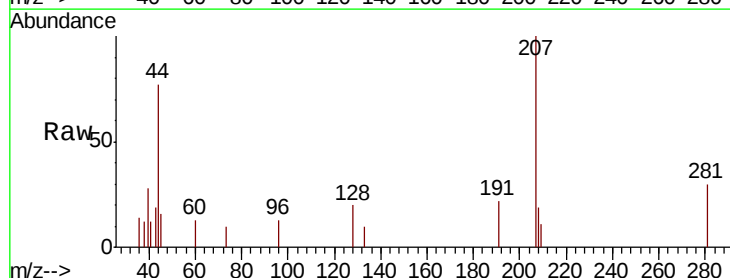


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 8.068 ug/l
 RT: 15.14 min Scan# 4157
 Delta R.T. 0.01 min
 Lab File: VN051554.D
 Acq: 26 Sep 2018 23:16

Tgt Ion:128 Resp: 294
 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

