

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051561.D
 Acq On : 27 Sep 2018 2:09
 Operator : MD\SY
 Sample : J5055-19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-D

Quant Time: Sep 27 08:03:43 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

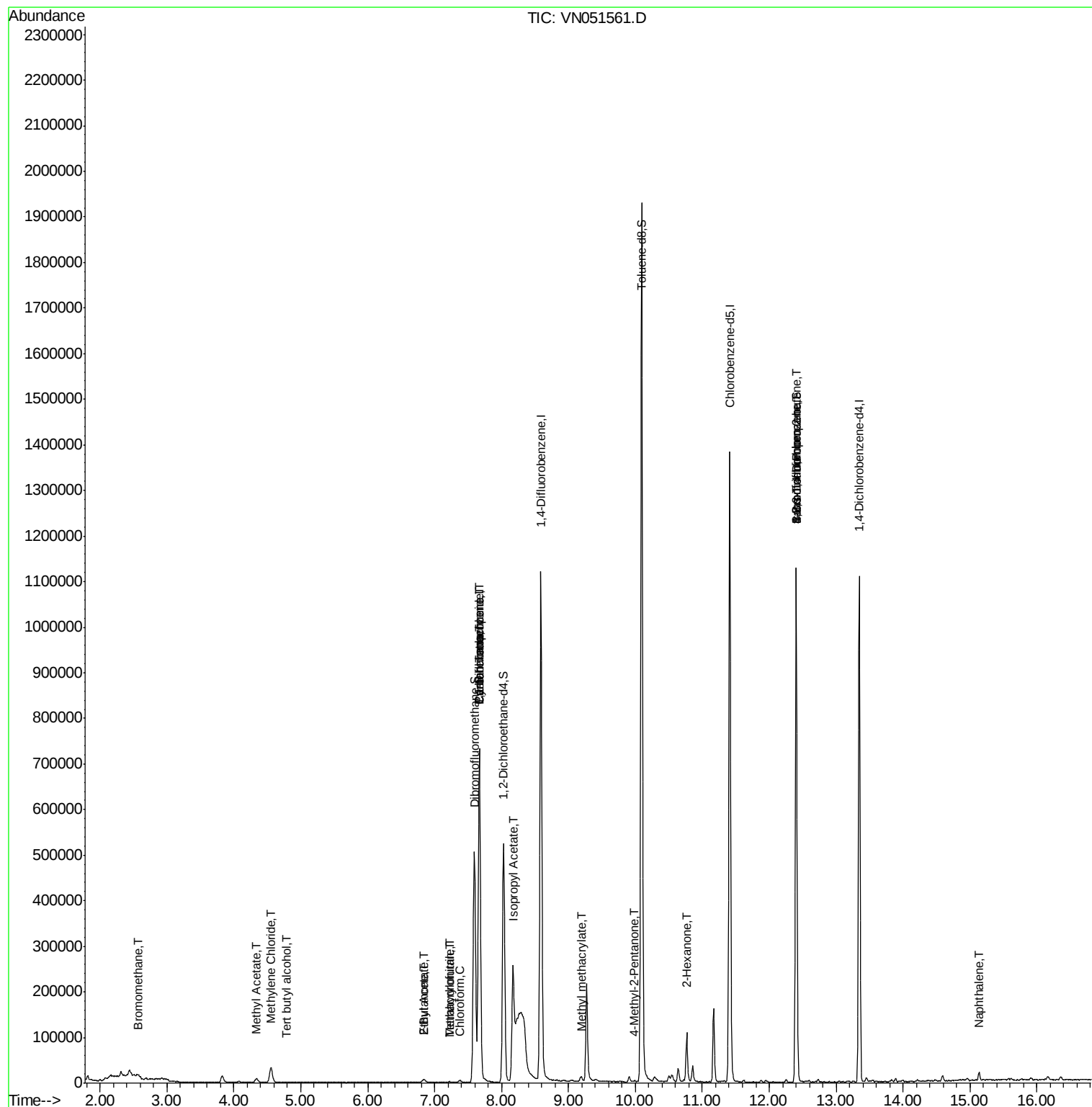
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	620776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1005028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	846921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	308274	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	447692	57.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.14%	
35) Dibromofluoromethane	7.59	113	384035	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
50) Toluene-d8	10.09	98	1402593	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
62) 4-Bromofluorobenzene	12.40	95	383680	39.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.38%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.57	94	1302	0.272	ug/l	84
11) Tert butyl alcohol	4.79	59	96	0.219	ug/l #	78
16) Acetone	3.83	43	24538	Below Cal		92
18) Methyl Acetate	4.34	43	17565	2.966	ug/l	100
20) Methylene Chloride	4.55	84	22801	2.963	ug/l	94
25) 2-Butanone	6.85	43	5696	2.140	ug/l	94
29) Tetrahydrofuran	7.23	42	1749	1.037	ug/l #	56
30) Chloroform	7.38	83	5096	0.385	ug/l #	83
31) Cyclohexane	7.67	56	12648	1.033	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45186	3.882	ug/l #	43
37) Ethyl Acetate	6.85	43	5696	0.851	ug/l #	68
38) Carbon Tetrachloride	7.67	117	56242	4.620	ug/l #	16
41) Methacrylonitrile	7.24	41	958	0.259	ug/l #	17
43) Isopropyl Acetate	8.17	43	348251	28.780	ug/l #	88
48) Methyl methacrylate	9.18	41	7523	1.247	ug/l #	18
51) 4-Methyl-2-Pentanone	9.99	43	2727	0.410	ug/l #	63
59) 2-Hexanone	10.77	43	15335	3.555	ug/l #	61
71) Bromoform	12.40	173	4441	0.791	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	186829	36.507	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	186829	112.258	ug/l #	12
95) Naphthalene	15.14	128	14368	9.096	ug/l	99

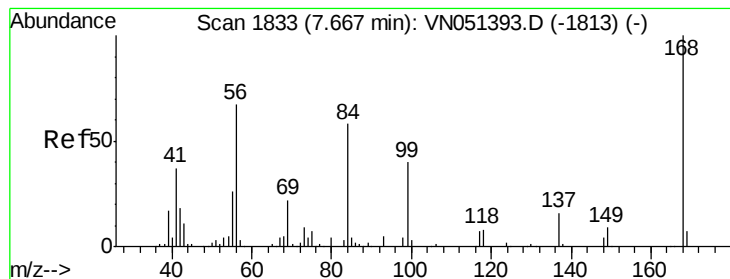
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092718\
Data File : VN051561.D
Acq On : 27 Sep 2018 2:09
Operator : MD\SY
Sample : J5055-19
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-D

Quant Time: Sep 27 08:03:43 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: VN051561.D

Acq: 27 Sep 2018 2:09

Instrument :

MSVOA_N

ClientSampled :

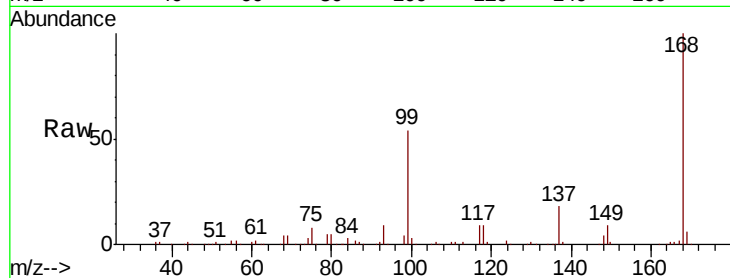
TP-D

Tot Ion:168 Resp: 620776

Ion Ratio Lower Upper

168 100

99 53.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

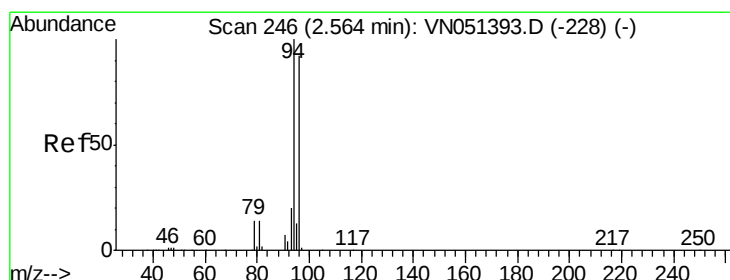
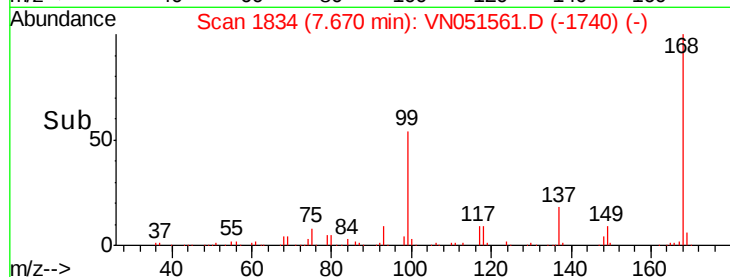
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.272 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051561.D

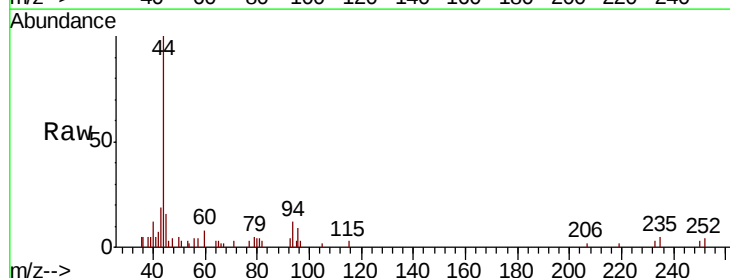
Acq: 27 Sep 2018 2:09

Tgt Ion: 94 Resp: 1302

Ion Ratio Lower Upper

94 100

96 77.1 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

800

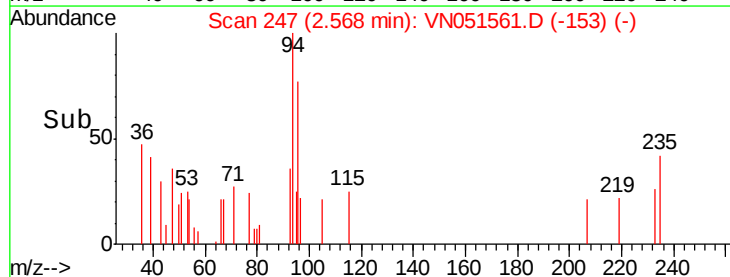
600

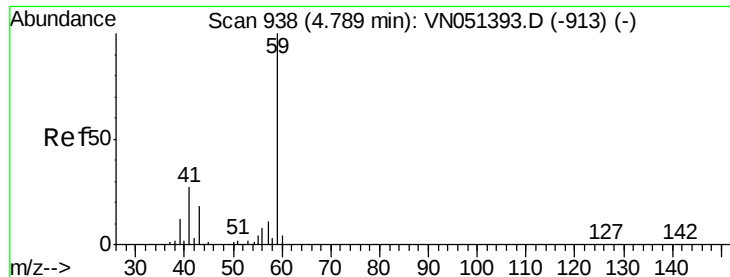
400

200

0

Time-->

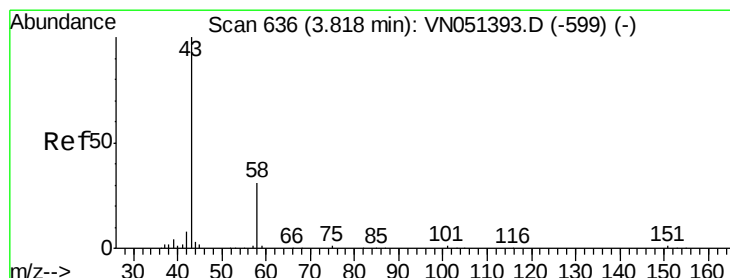
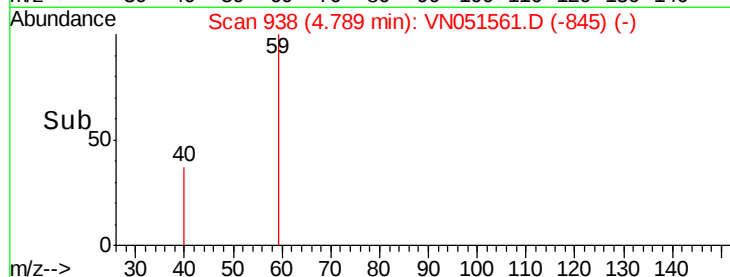
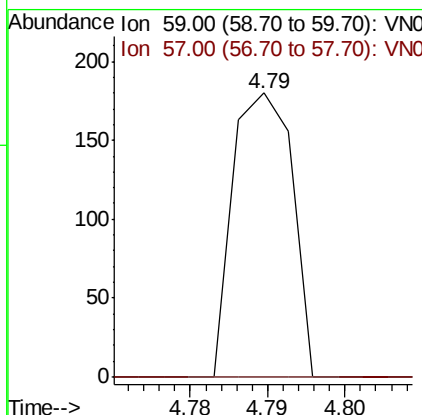
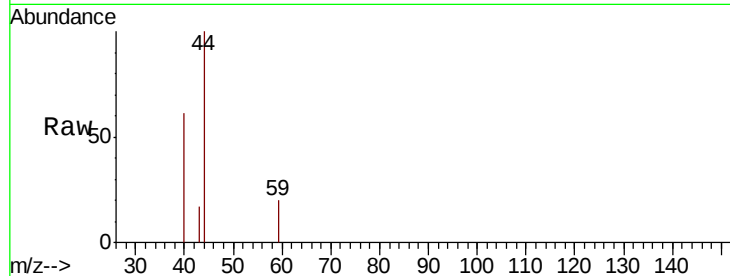




#11
Tert butyl alcohol
Concen: 0.219 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051561.D
Acq: 27 Sep 2018 2:09

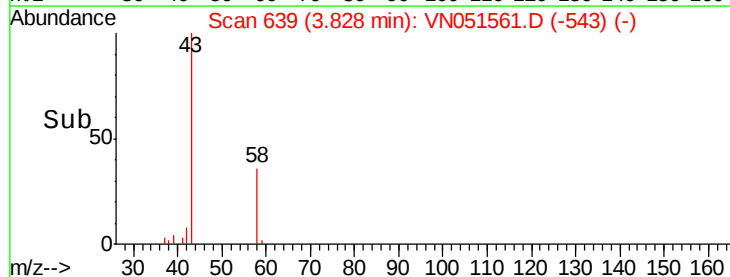
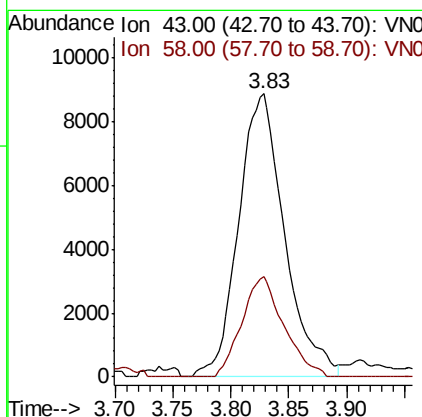
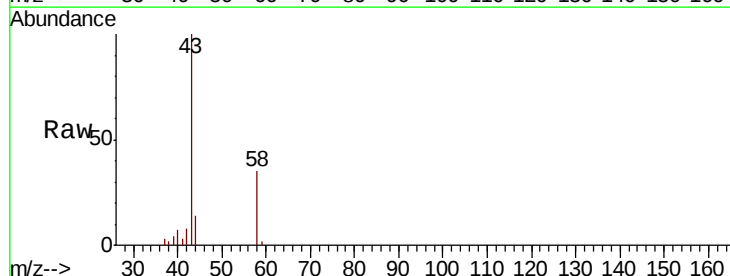
Instrument :
MSVOA_N
ClientSampled :
TP-D

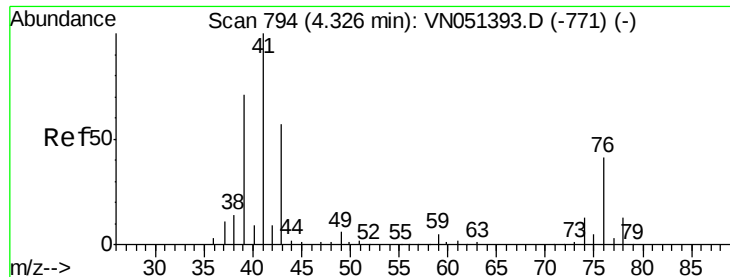
Tot Ion: 59 Resp: 96
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.2#



#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN051561.D
Acq: 27 Sep 2018 2:09

Tgt Ion: 43 Resp: 24538
Ion Ratio Lower Upper
43 100
58 35.4 25.0 37.4

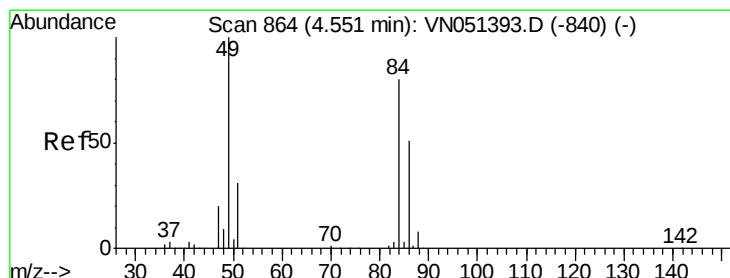
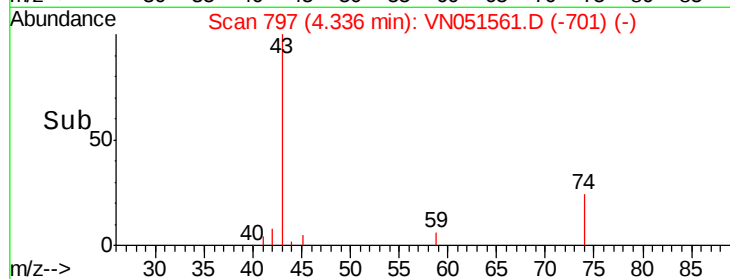
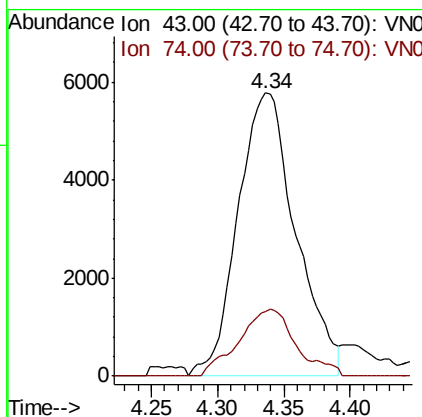
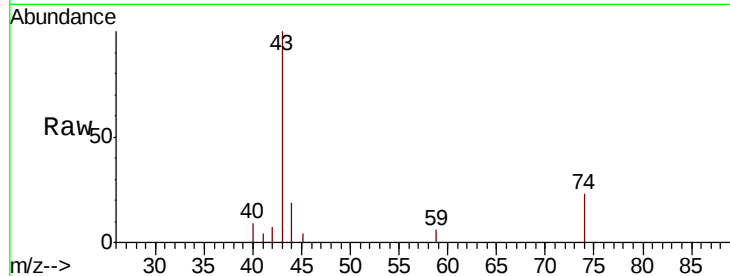




#18
Methyl Acetate
Concen: 2.966 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051561.D
Acq: 27 Sep 2018 2:09

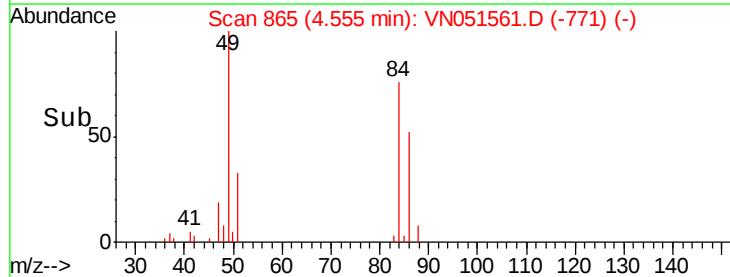
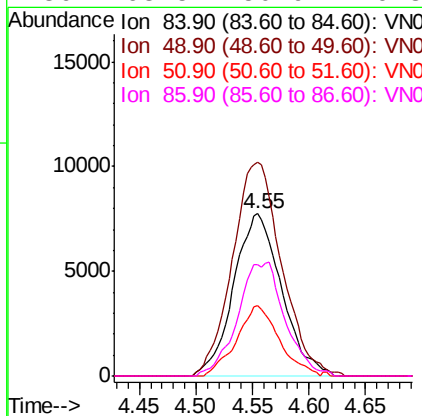
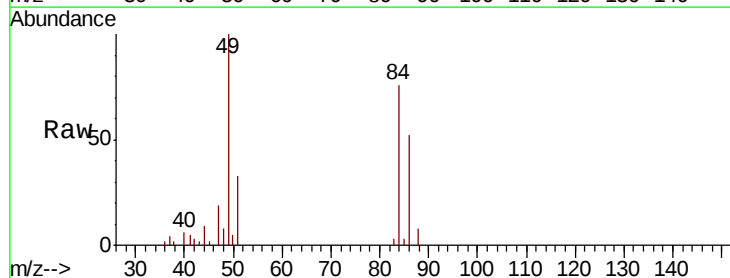
Instrument :
MSVOA_N
ClientSampled :
TP-D

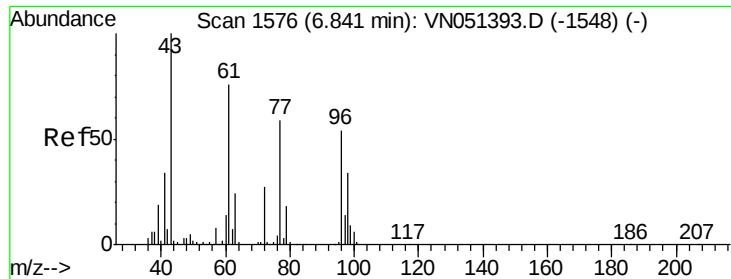
Tot Ion: 43 Resp: 17565
Ion Ratio Lower Upper
43 100
74 23.4 18.8 28.2



#20
Methylene Chloride
Concen: 2.963 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051561.D
Acq: 27 Sep 2018 2:09

Tgt Ion: 84 Resp: 22801
Ion Ratio Lower Upper
84 100
49 131.5 99.9 149.9
51 43.7 31.4 47.2
86 68.5 50.9 76.3

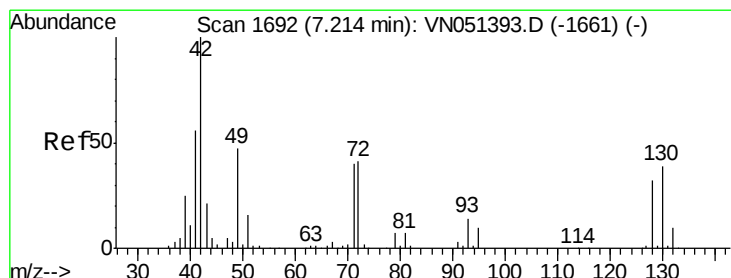
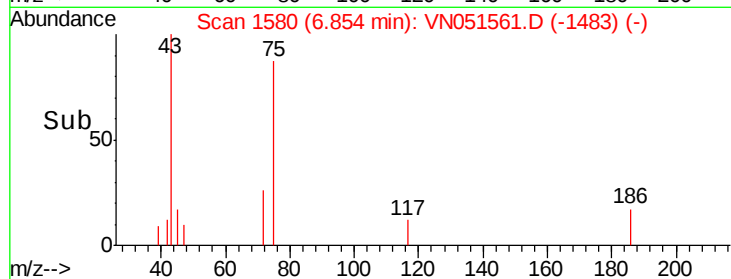
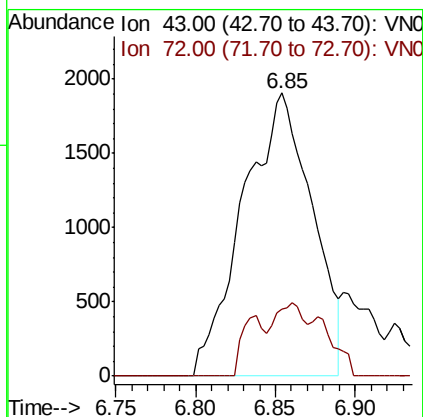
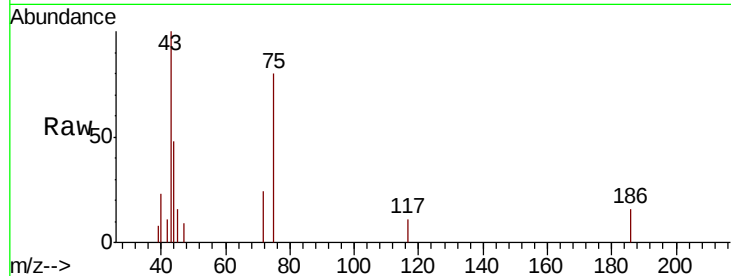




#25
2-Butanone
Concen: 2.140 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN051561.D
Acq: 27 Sep 2018 2:09

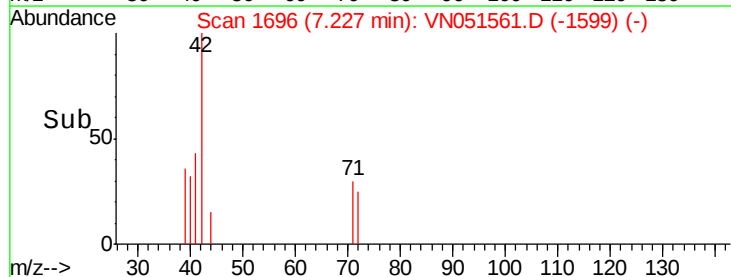
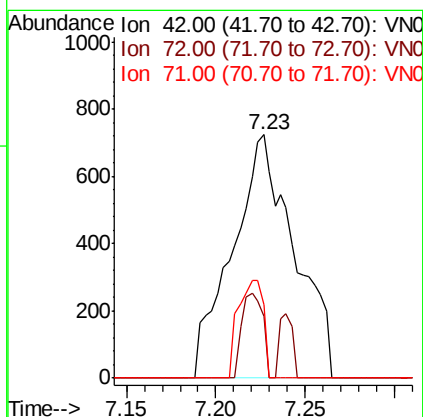
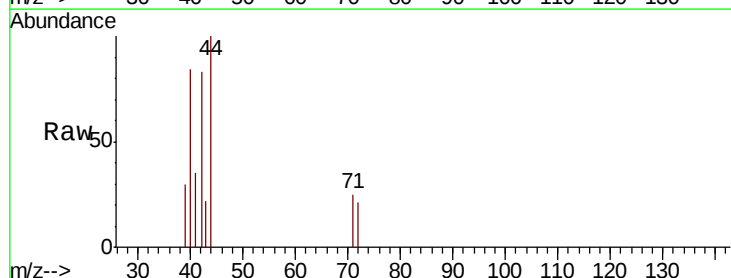
Instrument :
MSVOA_N
ClientSampled :
TP-D

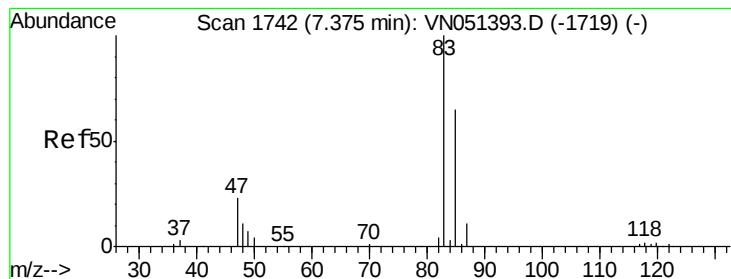
Tot Ion: 43 Resp: 5696
Ion Ratio Lower Upper
43 100
72 23.9 21.8 32.6



#29
Tetrahydrofuran
Concen: 1.037 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN051561.D
Acq: 27 Sep 2018 2:09

Tgt Ion: 42 Resp: 1749
Ion Ratio Lower Upper
42 100
72 11.7 34.3 51.5#
71 16.2 32.2 48.4#





#30

Chloroform

Concen: 0.385 ug/l

RT: 7.38 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VN051561.D

Acq: 27 Sep 2018 2:09

Instrument :

MSVOA_N

ClientSampleId :

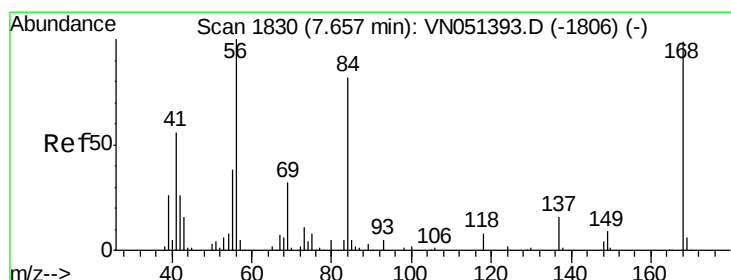
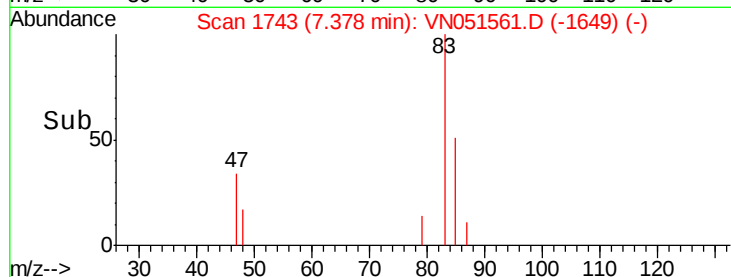
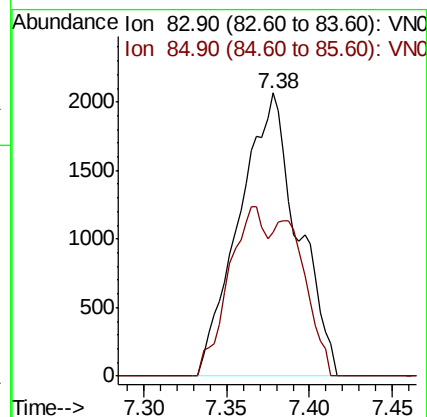
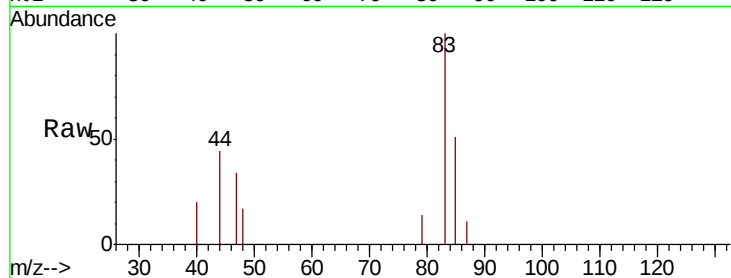
TP-D

Tot Ion: 83 Resp: 5096

Ion Ratio Lower Upper

83 100

85 50.9 51.8 77.6#



#31

Cyclohexane

Concen: 1.033 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN051561.D

Acq: 27 Sep 2018 2:09

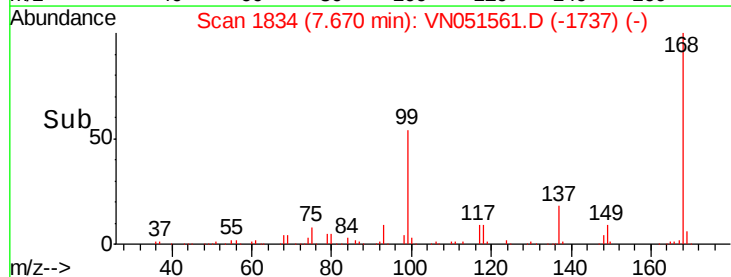
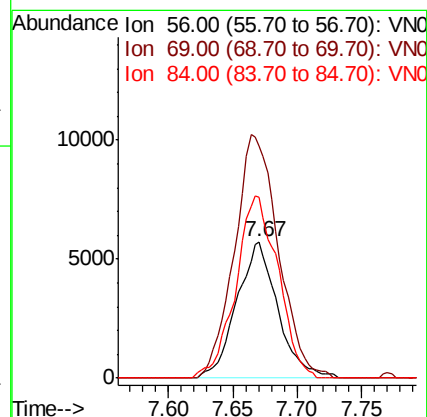
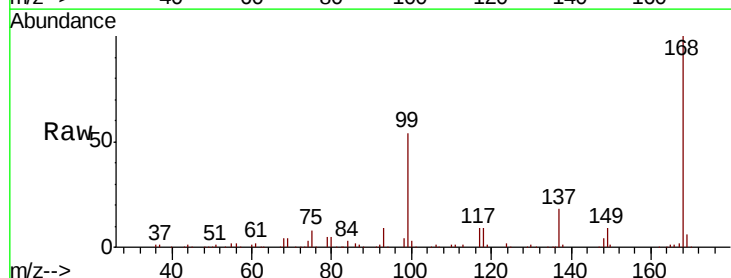
Tgt Ion: 56 Resp: 12648

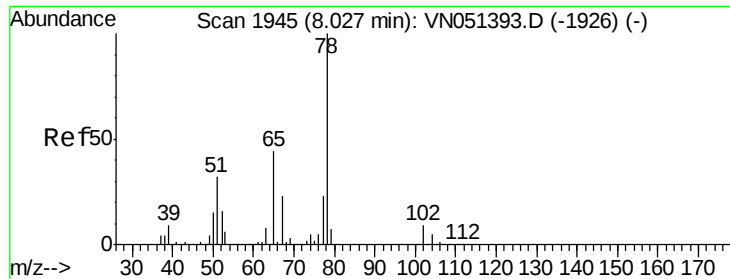
Ion Ratio Lower Upper

56 100

69 170.1 25.8 38.6#

84 132.4 66.0 99.0#

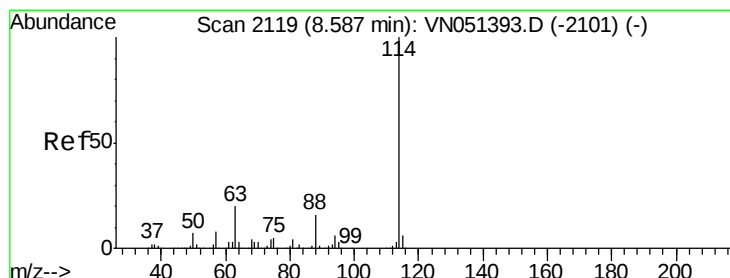
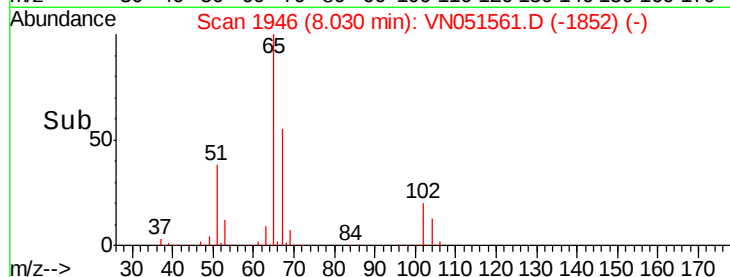
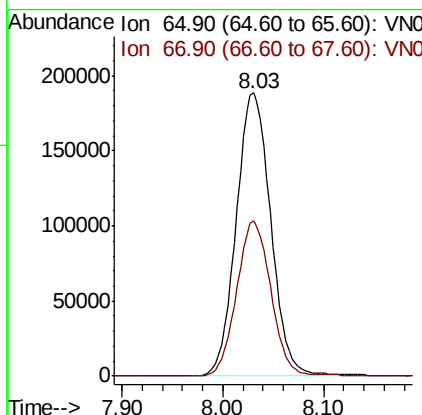
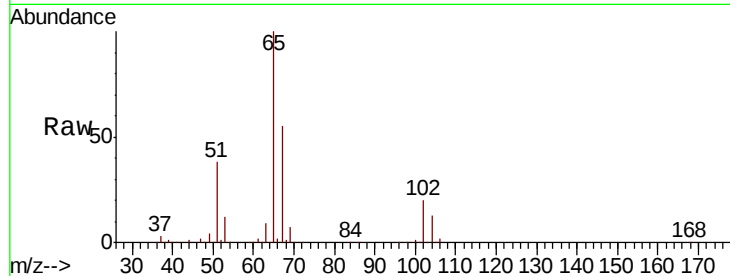




#33
 1,2-Dichloroethane-d4
 Concen: 57.571 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051561.D
 Acq: 27 Sep 2018 2:09

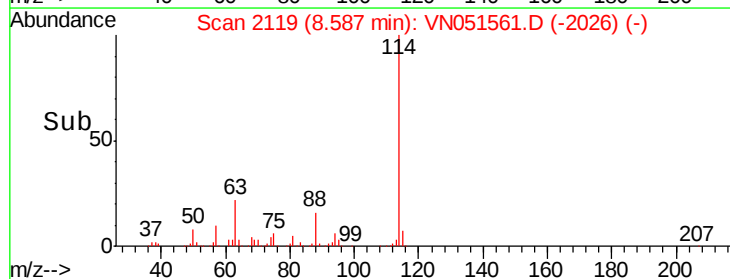
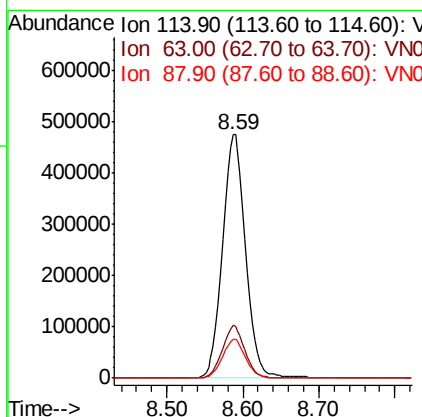
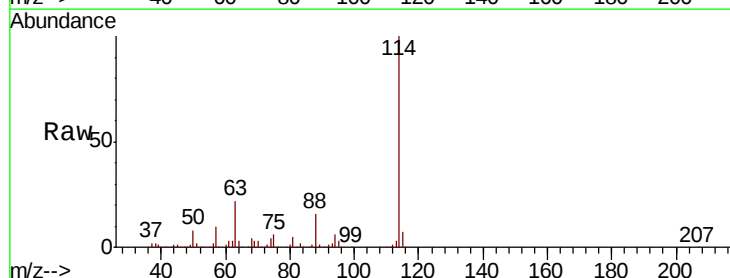
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-D

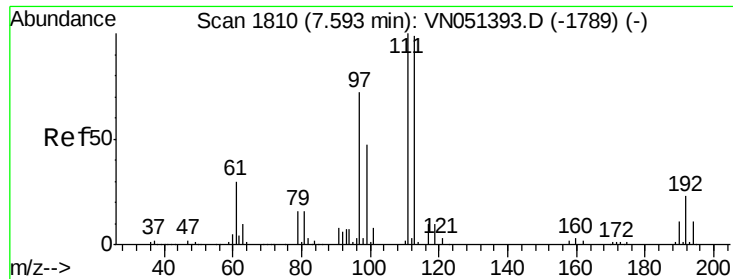
Tot Ion: 65 Resp: 447692
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051561.D
 Acq: 27 Sep 2018 2:09

Tgt Ion: 114 Resp: 1005028
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 40.2
 88 16.1 0.0 31.4

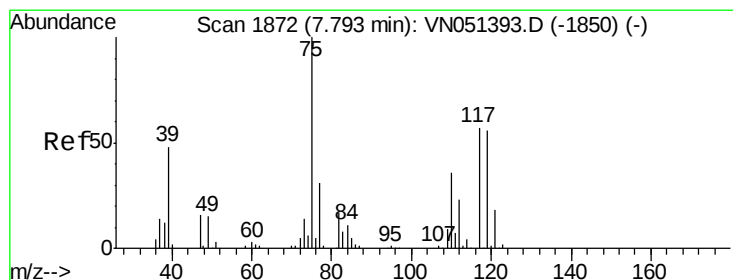
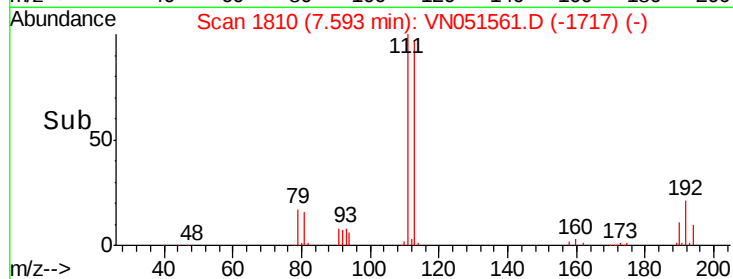
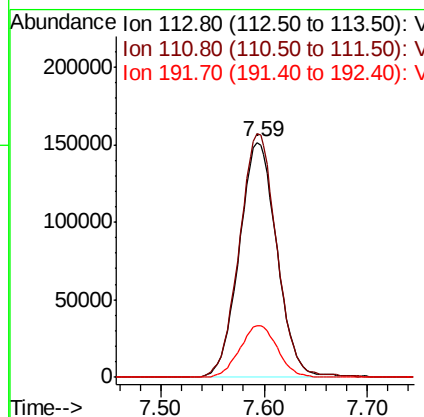
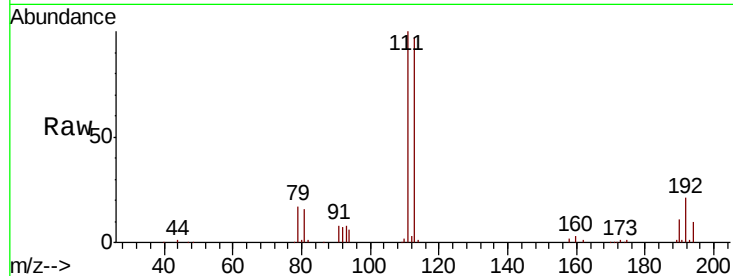




#35
 Dibromofluoromethane
 Concen: 47.785 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051561.D
 Acq: 27 Sep 2018 2:09

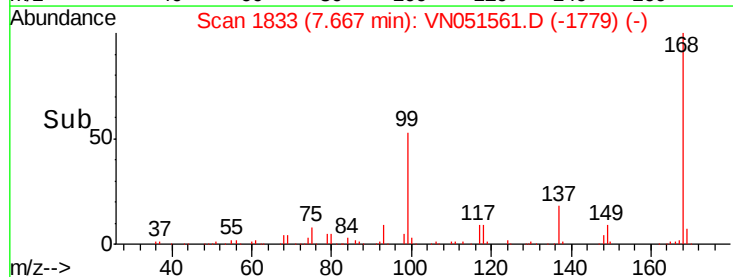
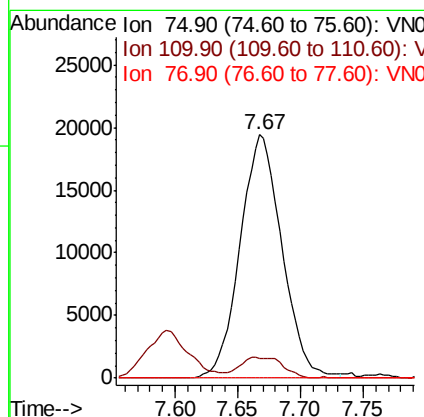
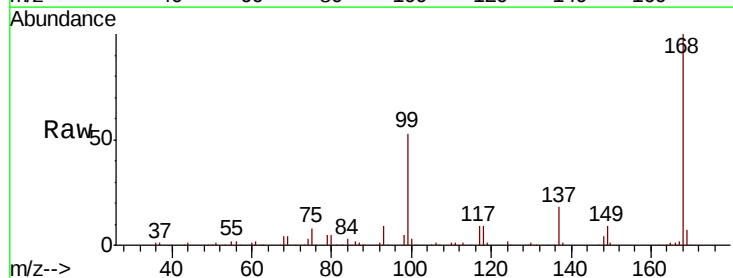
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-D

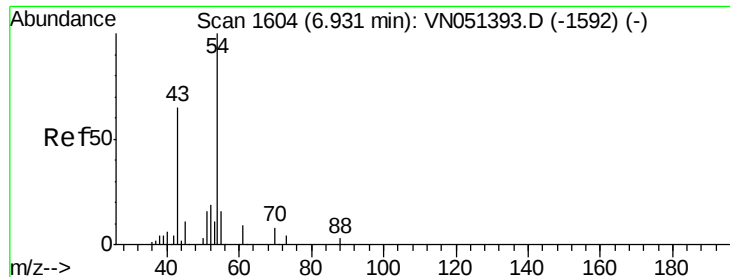
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	123.8
192	22.1	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.882 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051561.D
 Acq: 27 Sep 2018 2:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.3	18.1	54.3#
77	0.0	25.6	38.4#

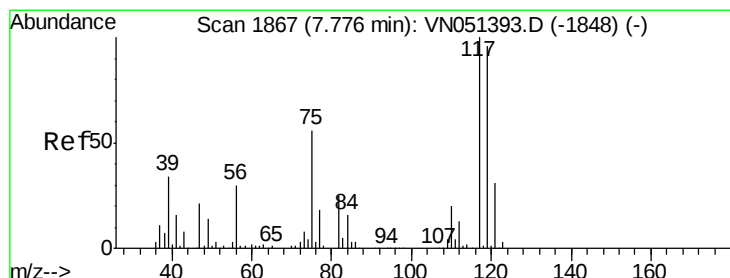
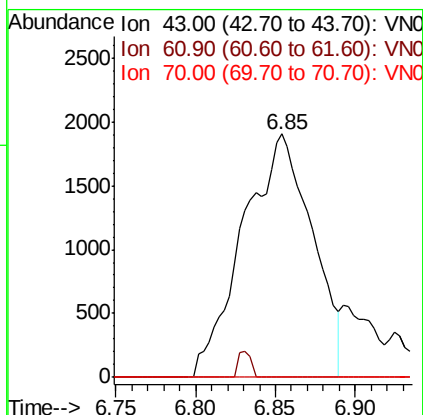
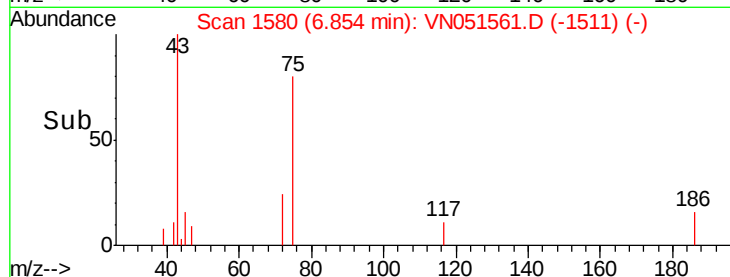
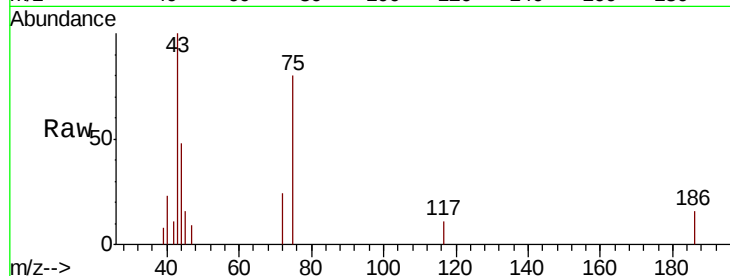




#37
Ethyl Acetate
Concen: 0.851 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. -0.08 min
Lab File: VN051561.D
Acq: 27 Sep 2018 2:09

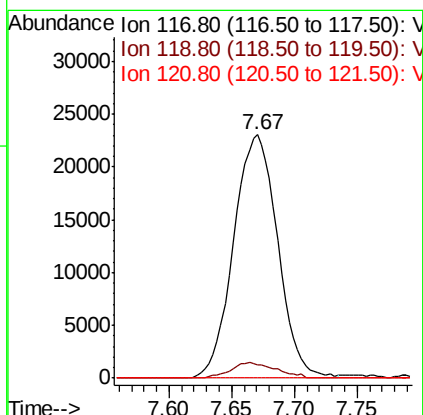
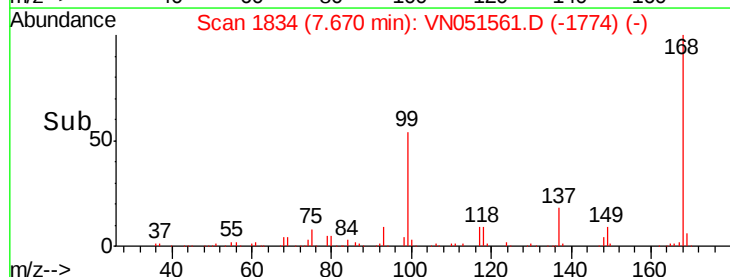
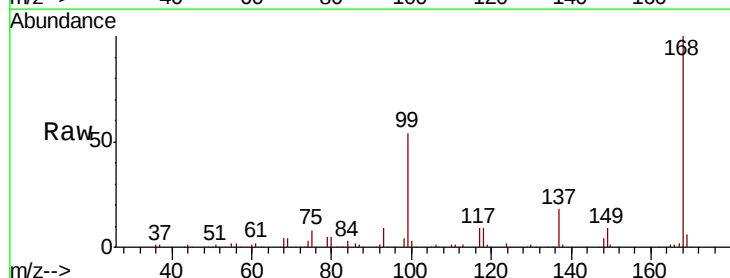
Instrument :
MSVOA_N
ClientSampleId :
TP-D

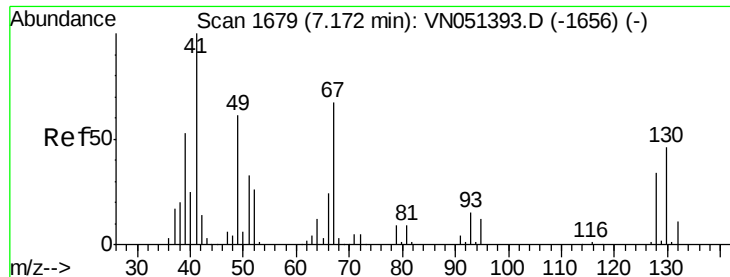
Tot Ion: 43 Resp: 5696
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 4.620 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. -0.11 min
Lab File: VN051561.D
Acq: 27 Sep 2018 2:09

Tgt Ion: 117 Resp: 56242
Ion Ratio Lower Upper
117 100
119 5.7 76.9 115.3#
121 0.0 24.6 37.0#

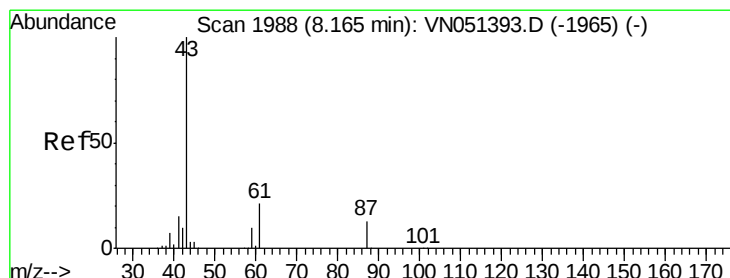
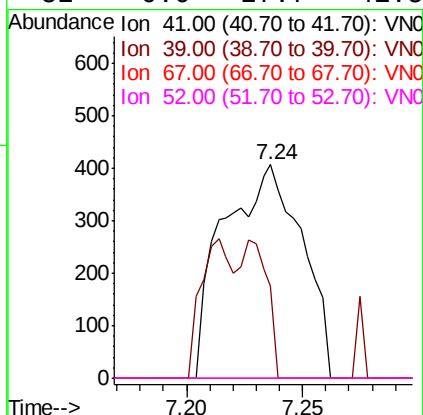
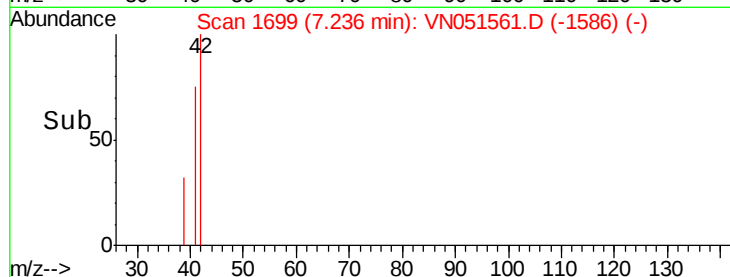
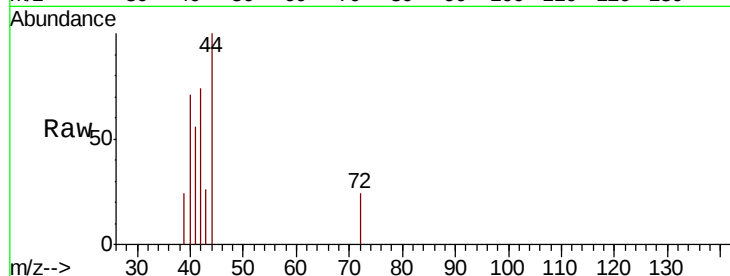




#41
Methacrylonitrile
Concen: 0.259 ug/l
RT: 7.24 min Scan# 1699
Delta R.T. 0.06 min
Lab File: VN051561.D
Acq: 27 Sep 2018 2:09

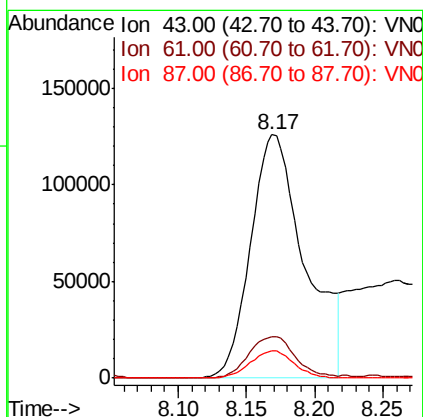
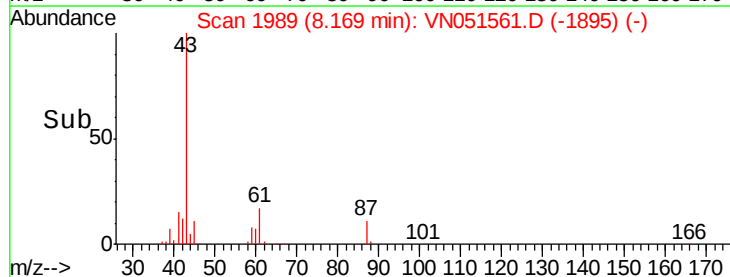
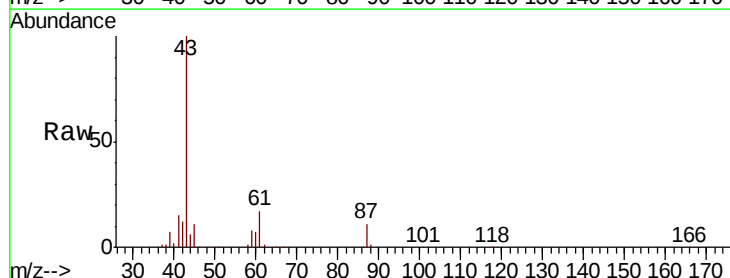
Instrument :
MSVOA_N
ClientSampled :
TP-D

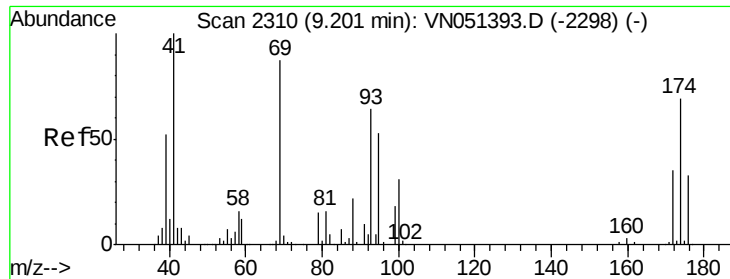
Tot Ion: 41 Resp: 958
Ion Ratio Lower Upper
41 100
39 0.0 51.4 77.2#
67 0.0 66.8 100.2#
52 0.0 27.7 41.5#



#43
Isopropyl Acetate
Concen: 28.780 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051561.D
Acq: 27 Sep 2018 2:09

Tgt Ion: 43 Resp: 348251
Ion Ratio Lower Upper
43 100
61 14.7 16.8 25.2#
87 9.0 10.7 16.1#

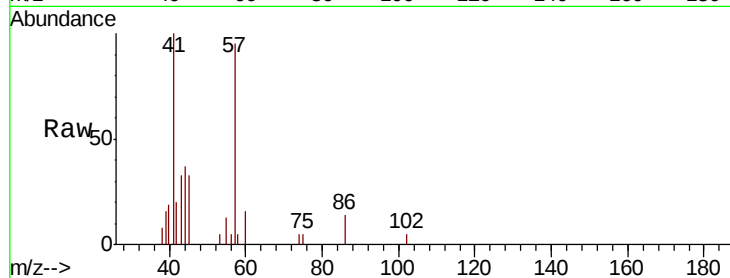




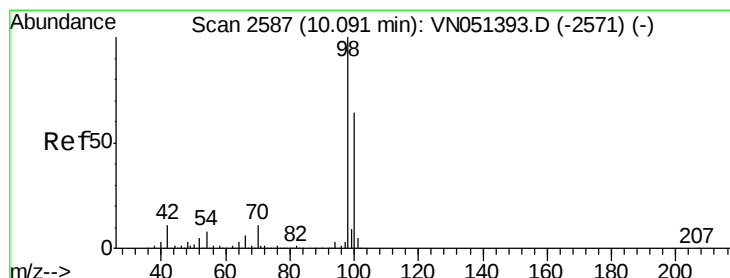
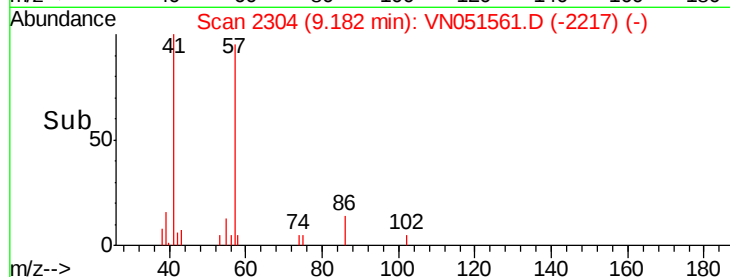
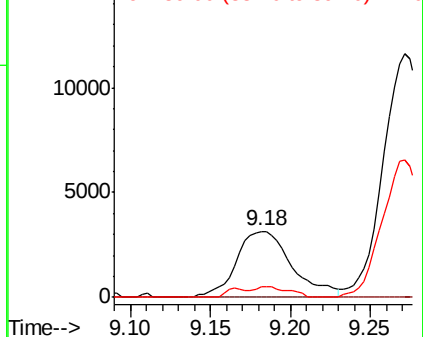
#48
Methyl methacrylate
Concen: 1.247 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051561.D
Acq: 27 Sep 2018 2:09

Instrument :
MSVOA_N
ClientSampled :
TP-D

Tot Ion: 41 Resp: 7523
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 9.7 43.8 65.8#

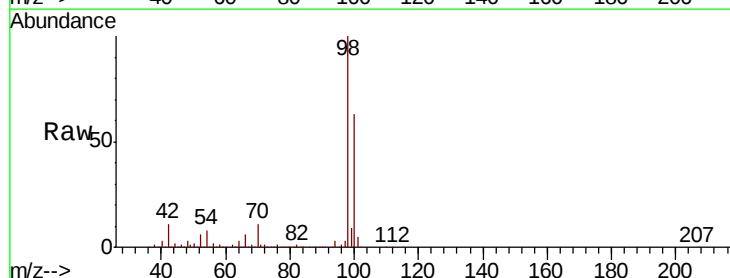


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

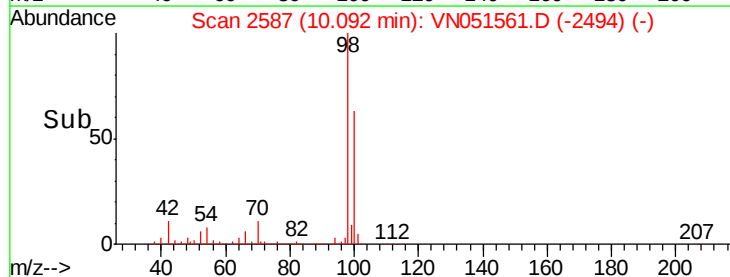
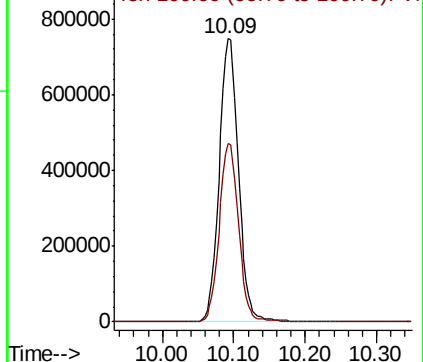


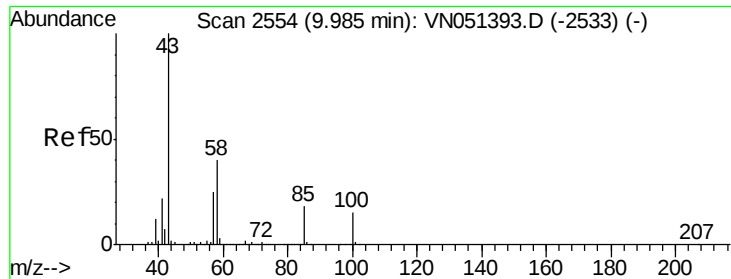
#50
Toluene-d8
Concen: 46.346 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051561.D
Acq: 27 Sep 2018 2:09

Tgt Ion: 98 Resp: 1402593
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

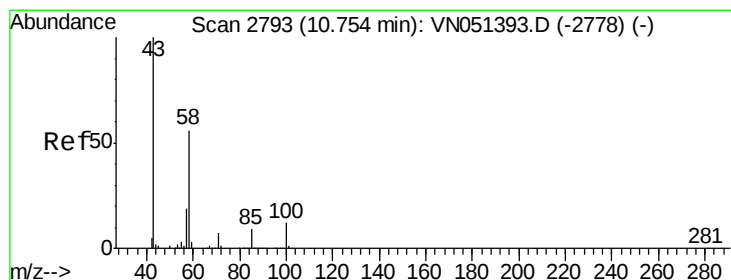
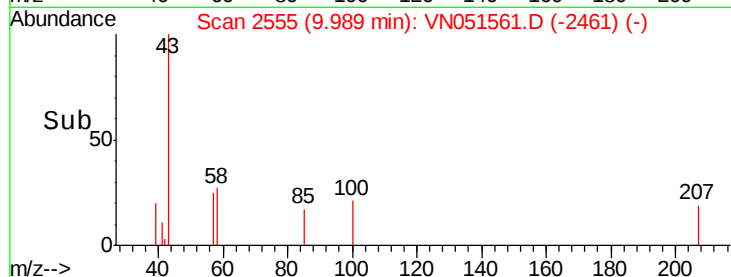
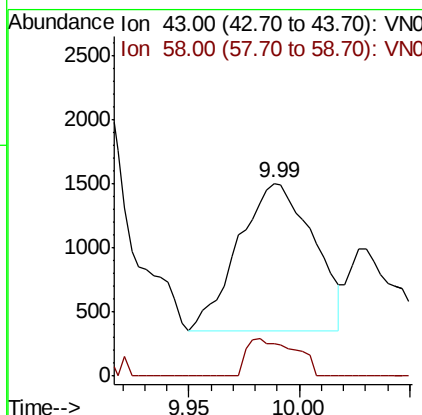
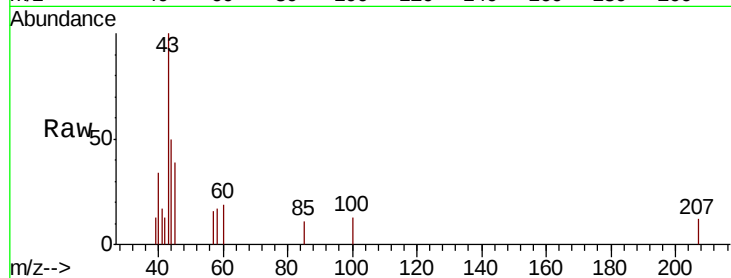




#51
4-Methyl-2-Pentanone
Concen: 0.410 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN051561.D
Acq: 27 Sep 2018 2:09

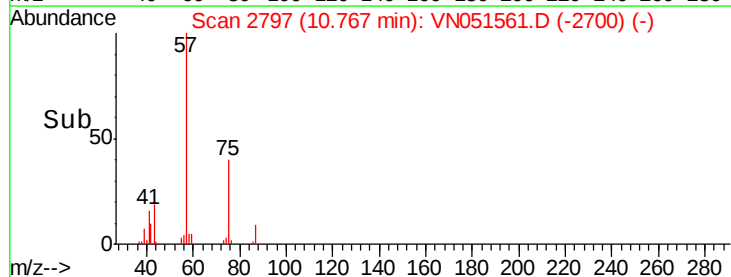
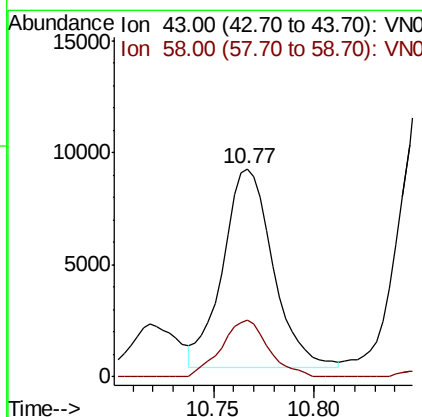
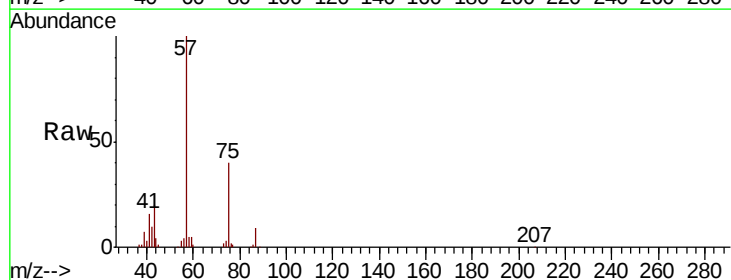
Instrument :
MSVOA_N
ClientSampleID :
TP-D

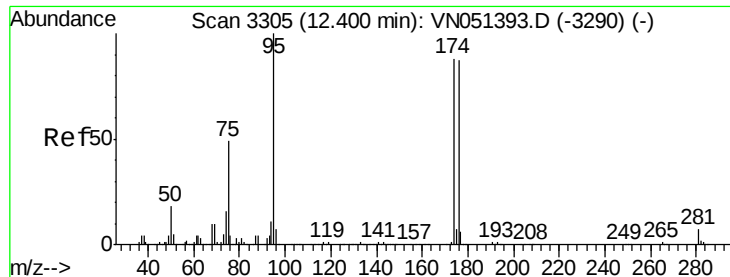
Tot Ion: 43 Resp: 2727
Ion Ratio Lower Upper
43 100
58 16.5 31.5 47.3#



#59
2-Hexanone
Concen: 3.555 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051561.D
Acq: 27 Sep 2018 2:09

Tgt Ion: 43 Resp: 15335
Ion Ratio Lower Upper
43 100
58 26.9 27.7 83.0#





#62

4-Bromofluorobenzene

Concen: 39.190 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051561.D

Acq: 27 Sep 2018 2:09

Instrument :

MSVOA_N

ClientSampleId :

TP-D

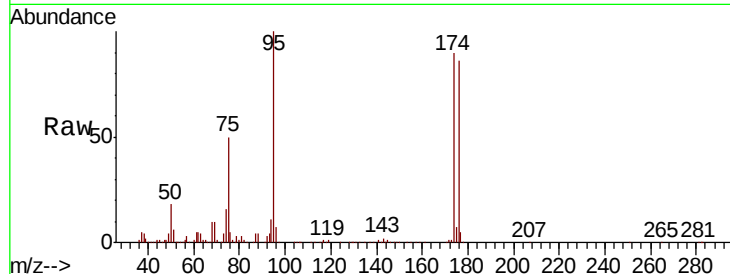
Tot Ion: 95 Resp: 383680

Ion Ratio Lower Upper

95 100

174 89.0 0.0 181.6

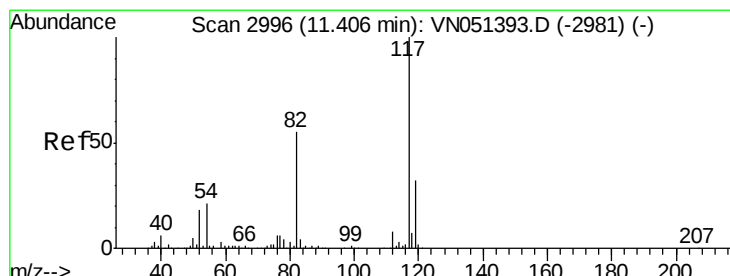
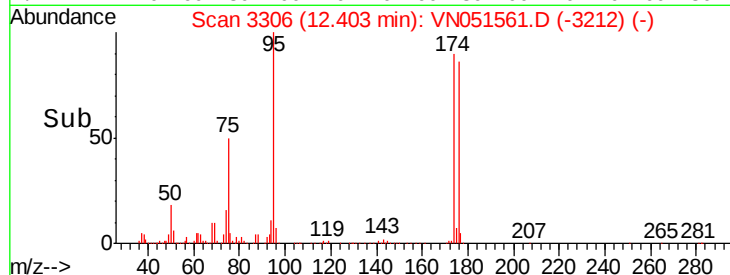
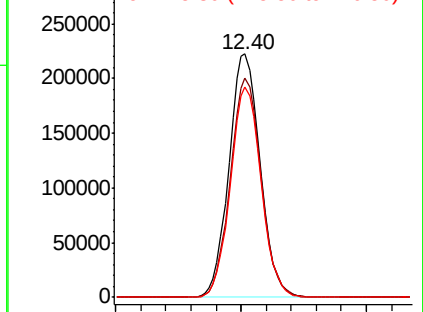
176 85.2 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VN051393.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051393.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051393.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051561.D

Acq: 27 Sep 2018 2:09

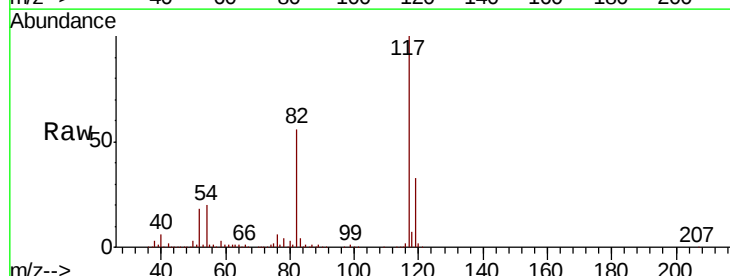
Tgt Ion: 117 Resp: 846921

Ion Ratio Lower Upper

117 100

82 55.6 44.2 66.2

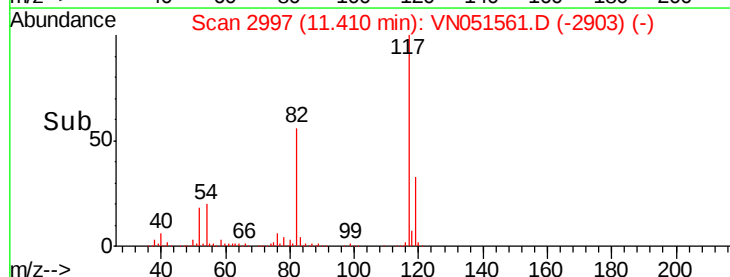
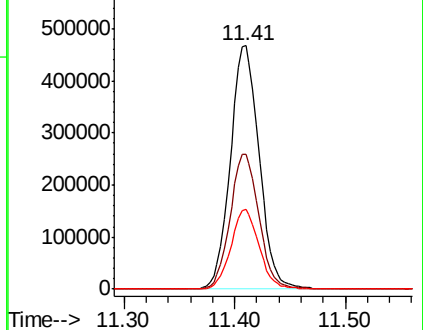
119 32.6 25.9 38.9

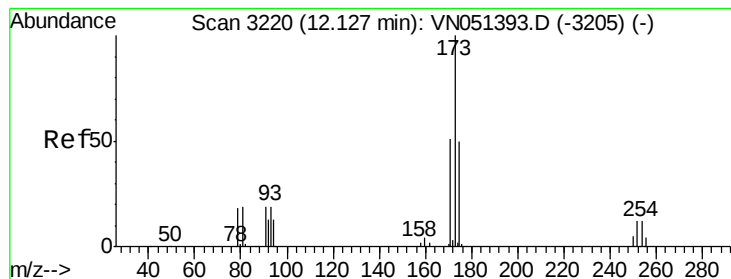


Abundance Ion 116.90 (116.60 to 117.60): VN051393.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051393.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051393.D (-2981) (-)





#71

Bromoform

Concen: 0.791 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN051561.D

Acq: 27 Sep 2018 2:09

Instrument :

MSVOA_N

ClientSampleId :

TP-D

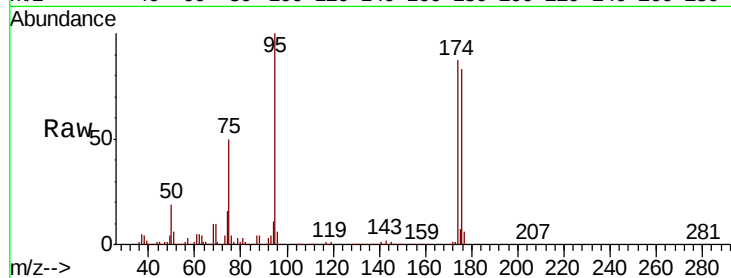
Tot Ion:173 Resp: 4441

Ion Ratio Lower Upper

173 100

175 477.4 24.8 74.3#

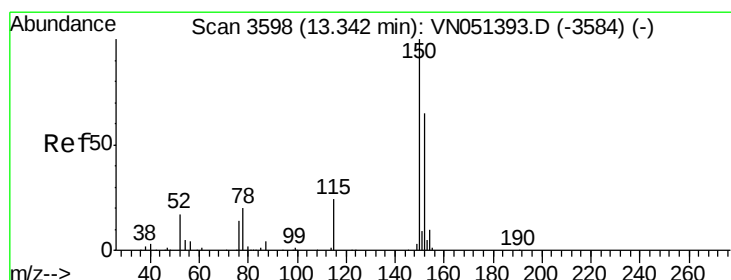
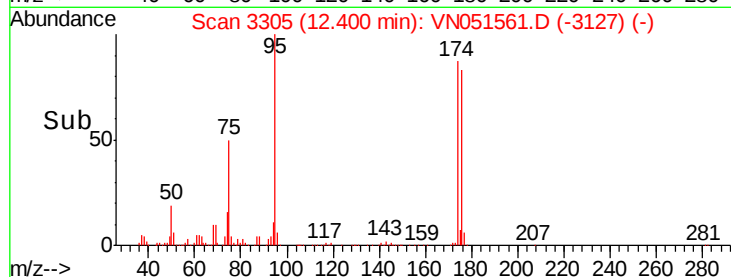
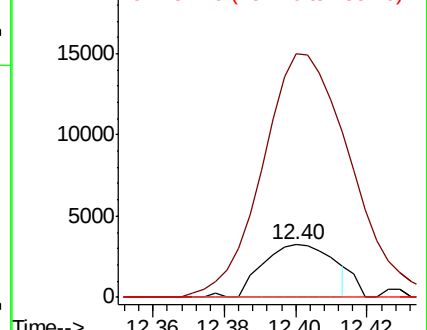
254 0.0 0.2 0.2#



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: VN051561.D

Acq: 27 Sep 2018 2:09

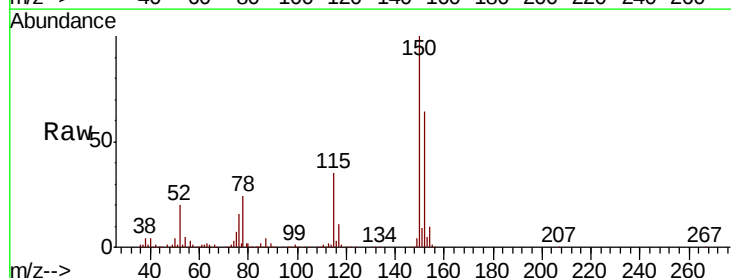
Tgt Ion:152 Resp: 308274

Ion Ratio Lower Upper

152 100

115 56.0 28.3 84.9

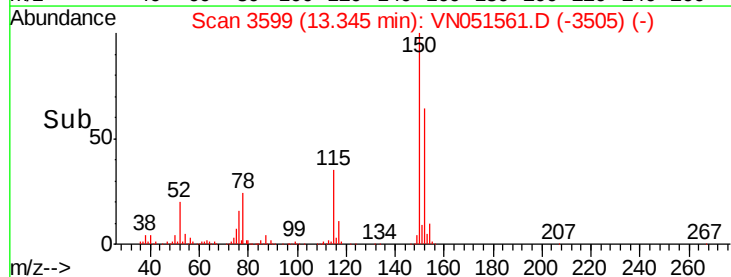
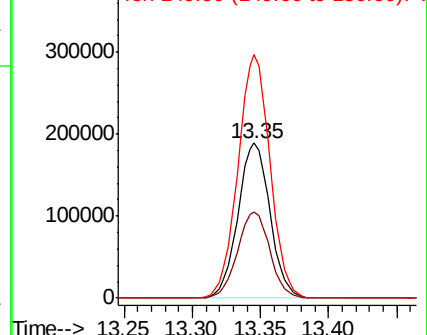
150 156.9 0.0 353.6

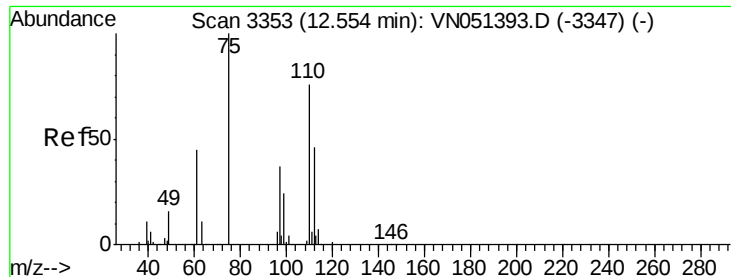


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 36.507 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051561.D

Acq: 27 Sep 2018 2:09

Instrument :

MSVOA_N

ClientSampleId :

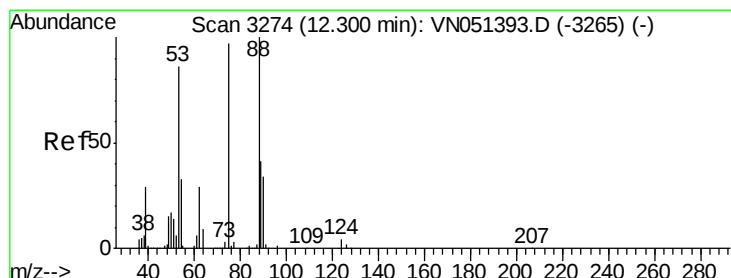
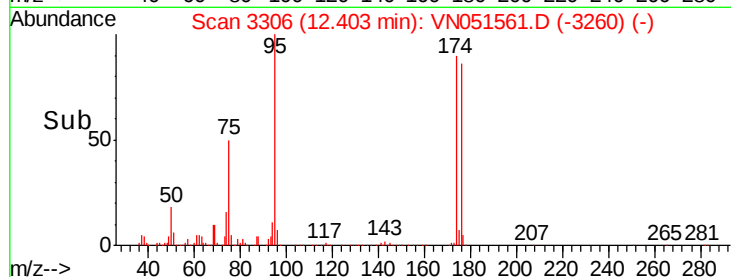
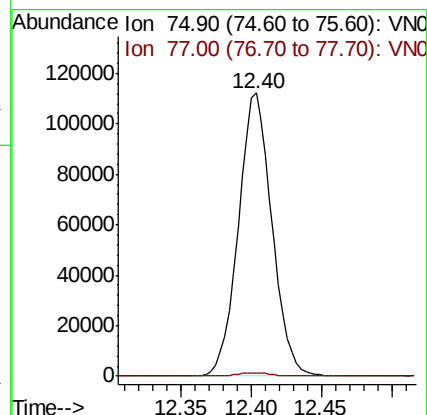
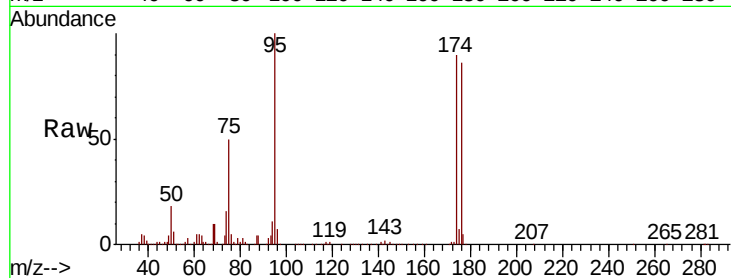
TP-D

Tot Ion: 75 Resp: 186829

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 112.258 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051561.D

Acq: 27 Sep 2018 2:09

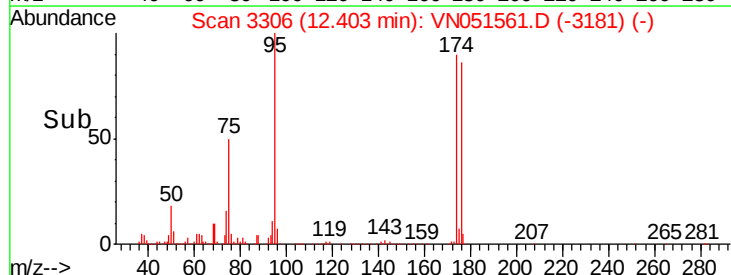
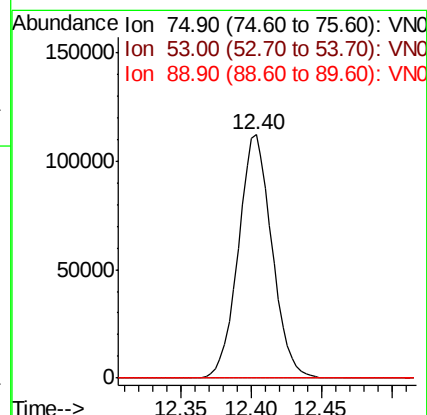
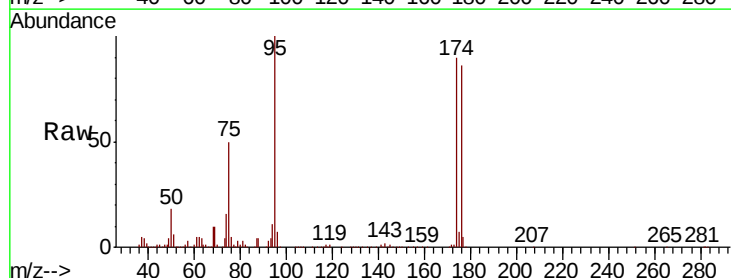
Tgt Ion: 75 Resp: 186829

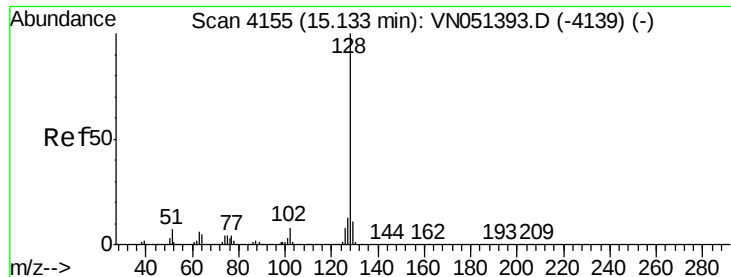
Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

89 0.0 36.7 55.1#





#95

Naphthalene

Concen: 9.096 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN051561.D

Acq: 27 Sep 2018 2:09

Instrument :

MSVOA_N

ClientSampleId :

TP-D

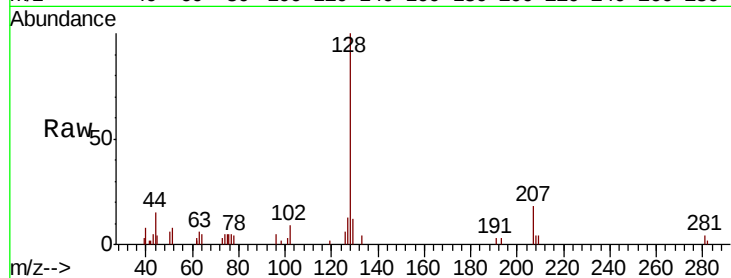
Tot Ion:128 Resp: 14368

Ion Ratio Lower Upper

128 100

127 13.9 10.5 15.7

129 10.8 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

