

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051568.D
 Acq On : 27 Sep 2018 8:32
 Operator : MD\SY
 Sample : J5055-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-C

Quant Time: Sep 27 09:13:06 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	649291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1033763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	877723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	298994	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	465116	57.18	ug/l	0.00
Spiked Amount			Recovery	=	114.36%	
35) Dibromofluoromethane	7.59	113	407647	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
50) Toluene-d8	10.09	98	1465757	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
62) 4-Bromofluorobenzene	12.40	95	386154	38.35	ug/l	0.00
Spiked Amount			Recovery	=	76.70%	

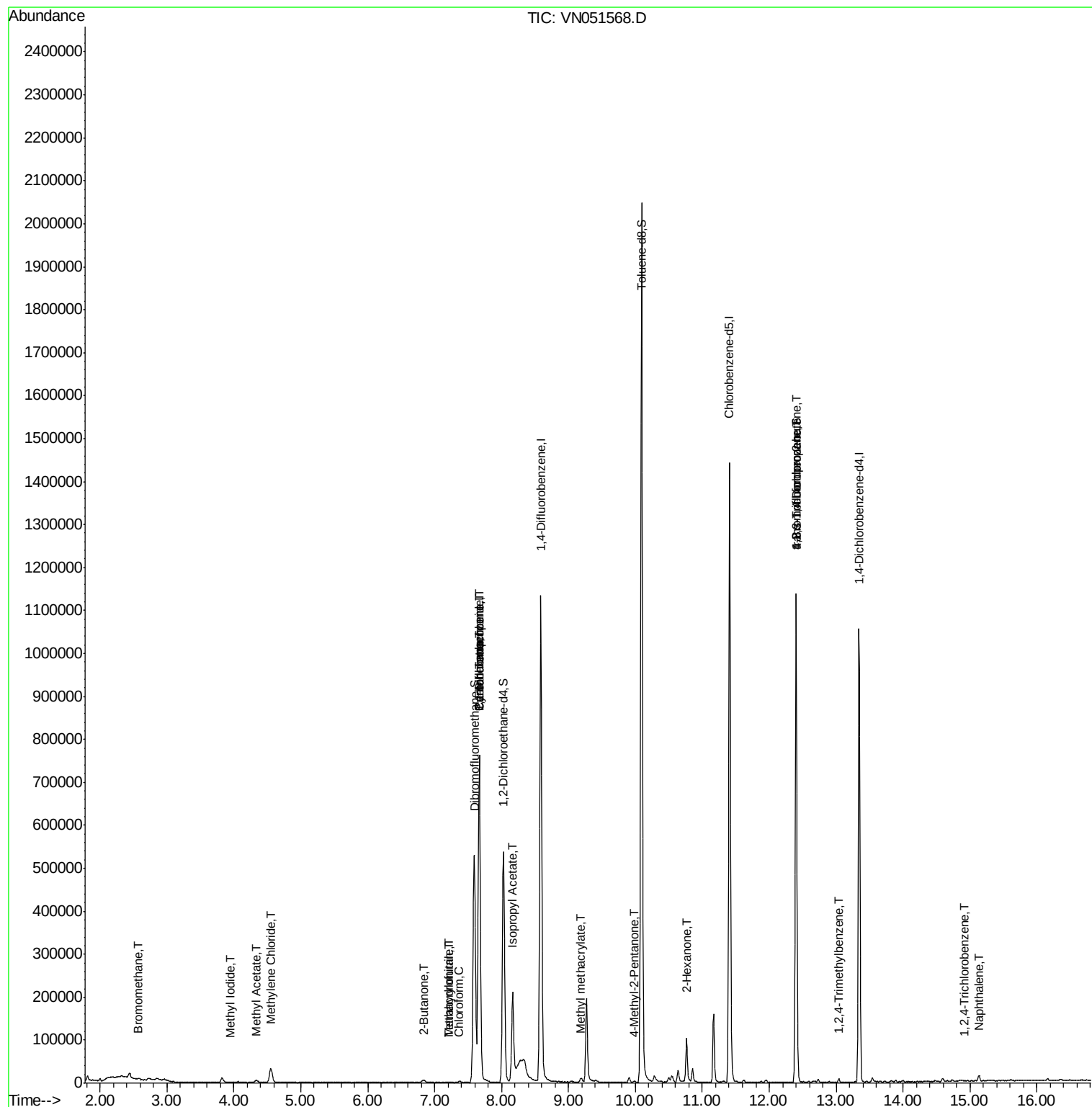
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	1599	0.310	ug/l #	47
10) Methyl Iodide	3.94	142	173	0.293	ug/l #	42
16) Acetone	3.82	43	17643	Below Cal		98
18) Methyl Acetate	4.34	43	10950	1.768	ug/l	93
20) Methylene Chloride	4.55	84	23972	2.978	ug/l	98
25) 2-Butanone	6.83	43	1741	0.625	ug/l	90
29) Tetrahydrofuran	7.21	42	527	0.299	ug/l #	34
30) Chloroform	7.37	83	3720	0.269	ug/l	86
31) Cyclohexane	7.67	56	11905	0.930	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	46799	3.909	ug/l #	48
38) Carbon Tetrachloride	7.67	117	59655	4.764	ug/l #	16
41) Methacrylonitrile	7.22	41	802	0.211	ug/l #	24
43) Isopropyl Acetate	8.17	43	248882	19.997	ug/l	97
48) Methyl methacrylate	9.18	41	6292	1.014	ug/l #	19
51) 4-Methyl-2-Pentanone	9.99	43	1579	0.231	ug/l #	84
59) 2-Hexanone	10.77	43	15256	3.438	ug/l #	58
76) 1,2,3-Trichloropropane	12.40	75	190724	38.425	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	190724	118.155	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	4962	0.239	ug/l	93
93) 1,2,4-Trichlorobenzene	14.90	180	617	6.076	ug/l	75
95) Naphthalene	15.13	128	11415	8.906	ug/l	99

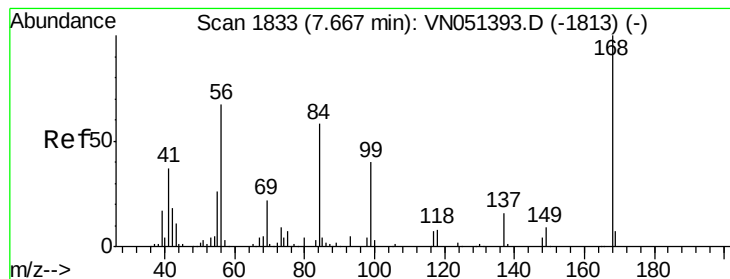
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092718\
Data File : VN051568.D
Acq On : 27 Sep 2018 8:32
Operator : MD\SY
Sample : J5055-15
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-C

Quant Time: Sep 27 09:13:06 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# 1833

Delta R.T. -0.00 min

Lab File: VN051568.D

Acq: 27 Sep 2018 8:32

Instrument :

MSVOA_N

ClientSampled :

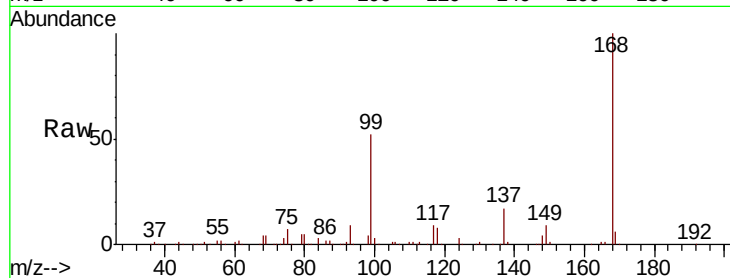
TP-C

Tot Ion:168 Resp: 649291

Ion Ratio Lower Upper

168 100

99 52.2 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

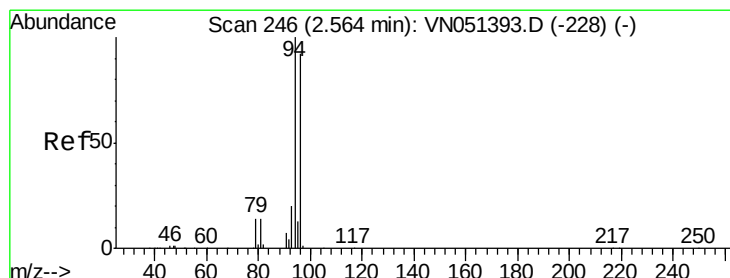
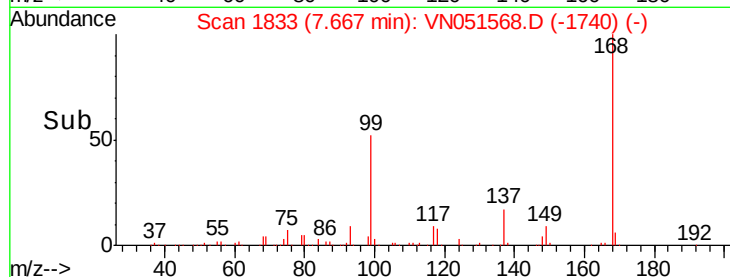
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.310 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051568.D

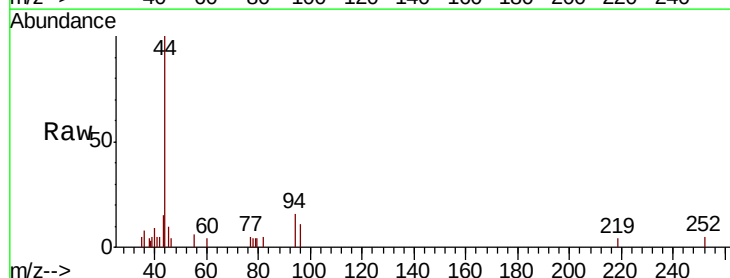
Acq: 27 Sep 2018 8:32

Tgt Ion: 94 Resp: 1599

Ion Ratio Lower Upper

94 100

96 41.9 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) (-)

2.56

800

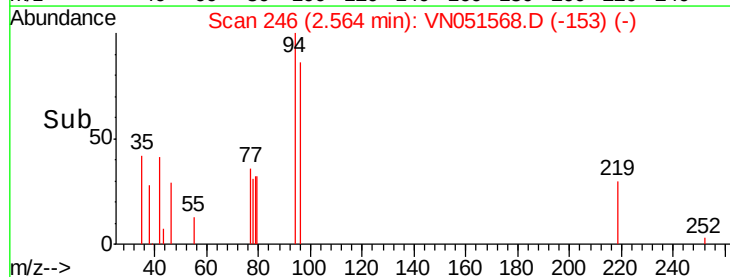
600

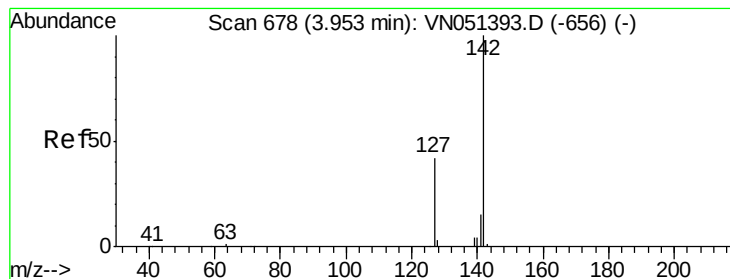
400

200

0

Time-->





#10

Methvl Iodide

Concen: 0.293 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: VN051568.D

Acq: 27 Sep 2018 8:32

Instrument :

MSVOA_N

ClientSampled :

TP-C

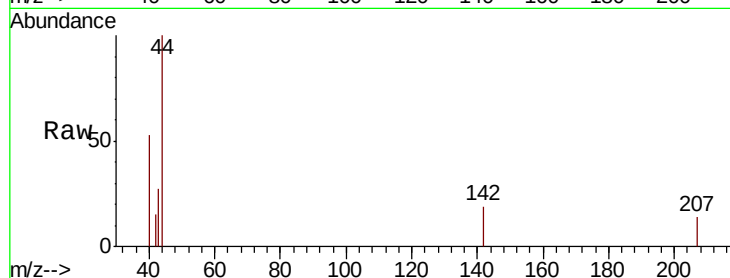
Tot Ion:142 Resp: 173

Ion Ratio Lower Upper

142 100

127 0.0 33.2 49.8#

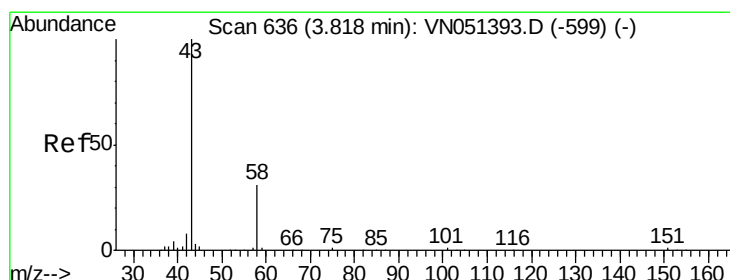
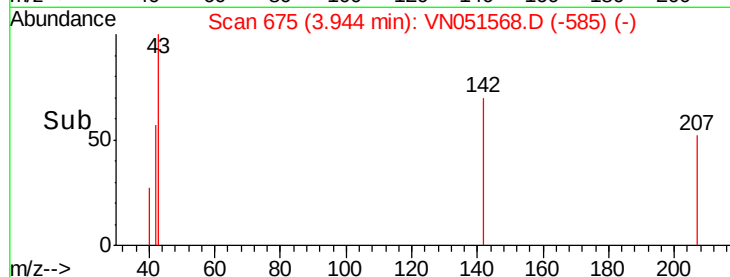
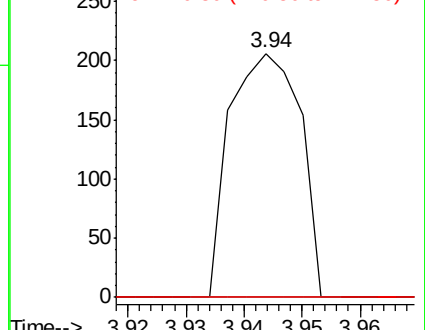
141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051568.D

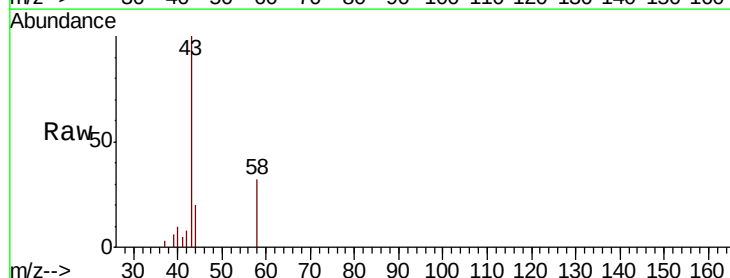
Acq: 27 Sep 2018 8:32

Tgt Ion: 43 Resp: 17643

Ion Ratio Lower Upper

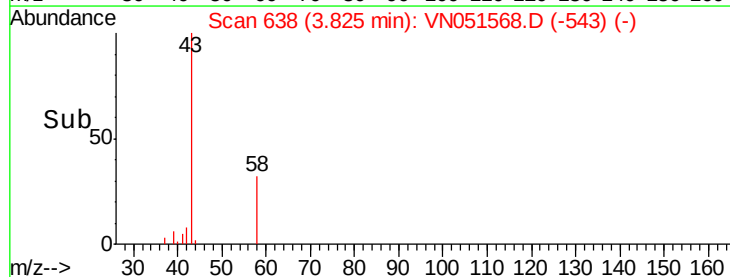
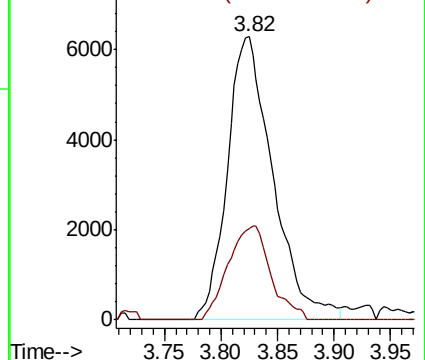
43 100

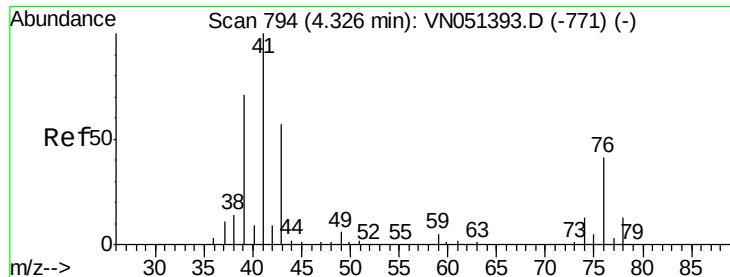
58 32.3 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

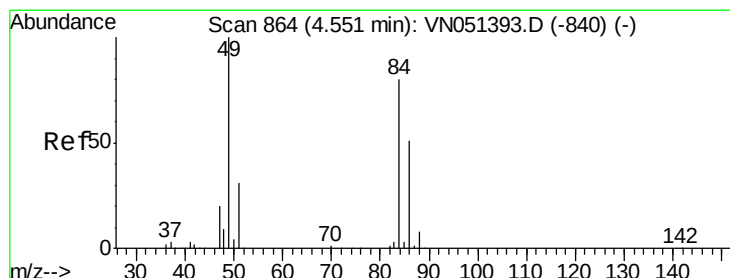
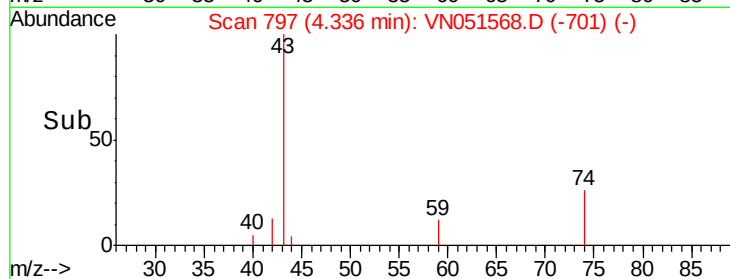
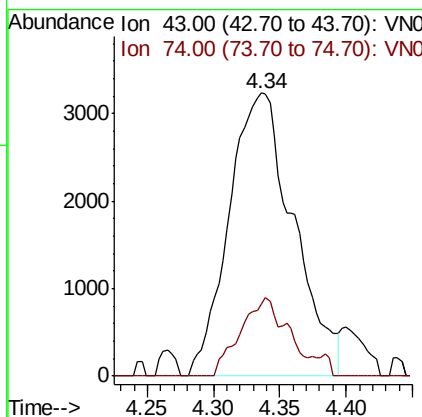
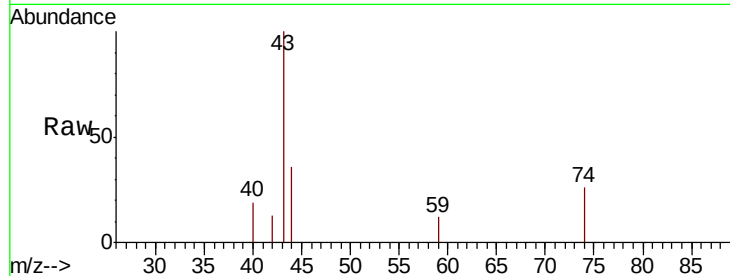




#18
Methyl Acetate
Concen: 1.768 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051568.D
Acq: 27 Sep 2018 8:32

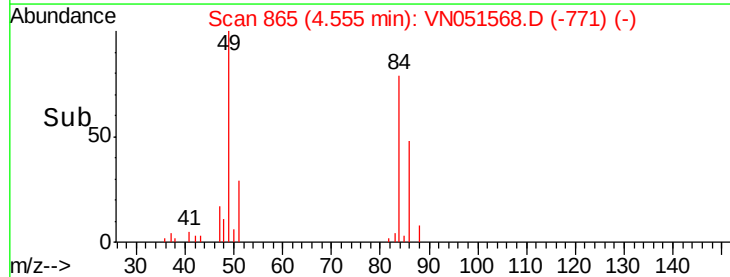
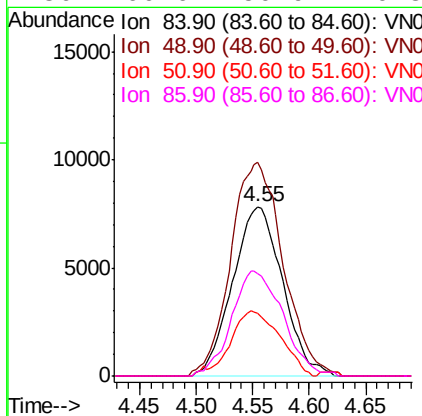
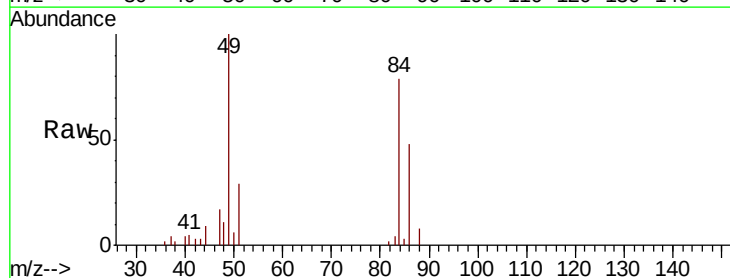
Instrument :
MSVOA_N
ClientSampled :
TP-C

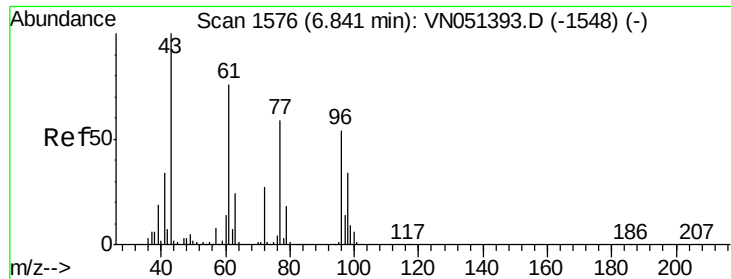
Tot Ion: 43 Resp: 10950
Ion Ratio Lower Upper
43 100
74 20.1 18.8 28.2



#20
Methylene Chloride
Concen: 2.978 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051568.D
Acq: 27 Sep 2018 8:32

Tgt Ion: 84 Resp: 23972
Ion Ratio Lower Upper
84 100
49 126.4 99.9 149.9
51 36.9 31.4 47.2
86 60.6 50.9 76.3

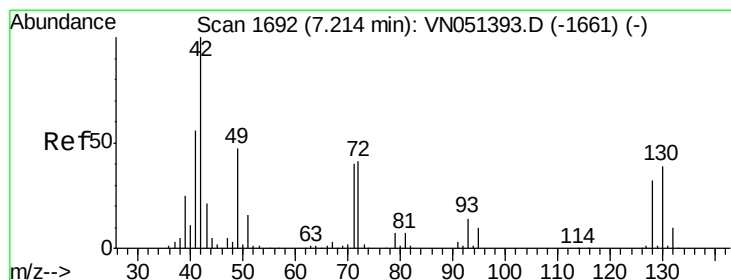
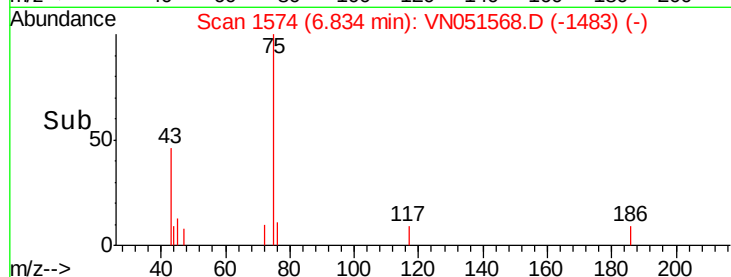
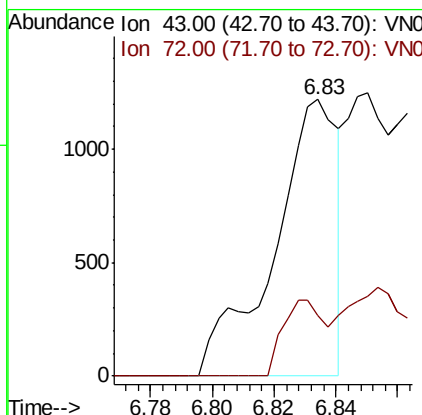
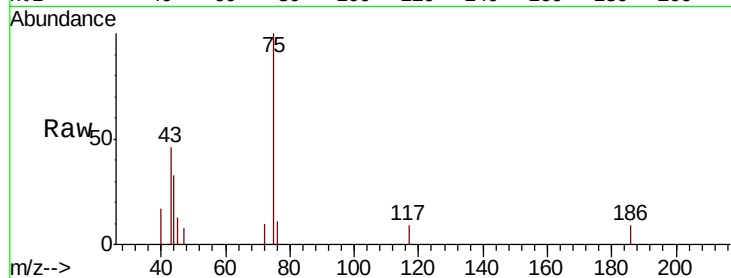




#25
 2-Butanone
 Concen: 0.625 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VN051568.D
 Acq: 27 Sep 2018 8:32

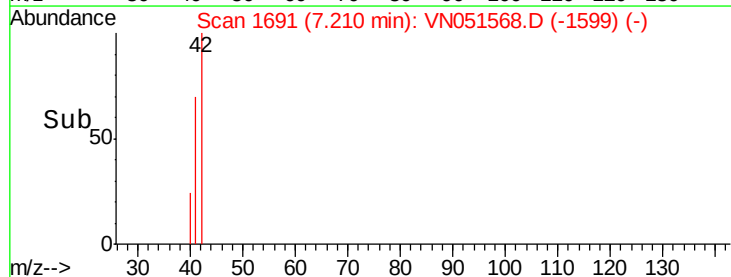
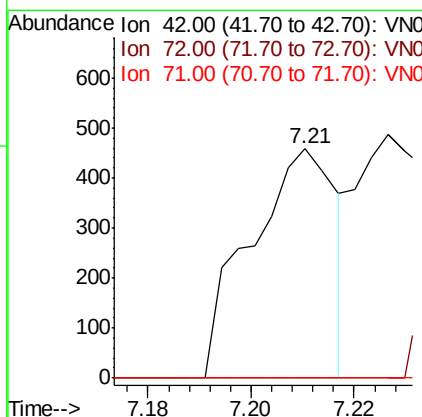
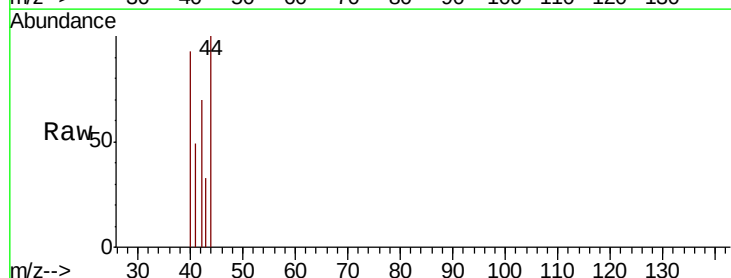
Instrument :
 MSVOA_N
 ClientSampled :
 TP-C

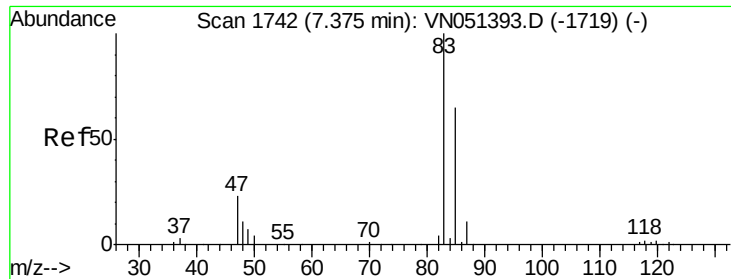
Tot Ion: 43 Resp: 1741
 Ion Ratio Lower Upper
 43 100
 72 21.8 21.8 32.6



#29
 Tetrahydrofuran
 Concen: 0.299 ug/l
 RT: 7.21 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VN051568.D
 Acq: 27 Sep 2018 8:32

Tgt Ion: 42 Resp: 527
 Ion Ratio Lower Upper
 42 100
 72 0.0 34.3 51.5#
 71 0.0 32.2 48.4#

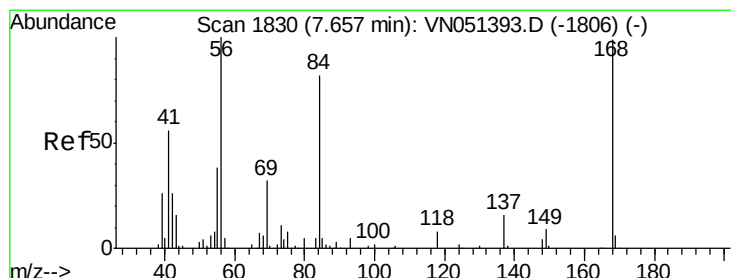
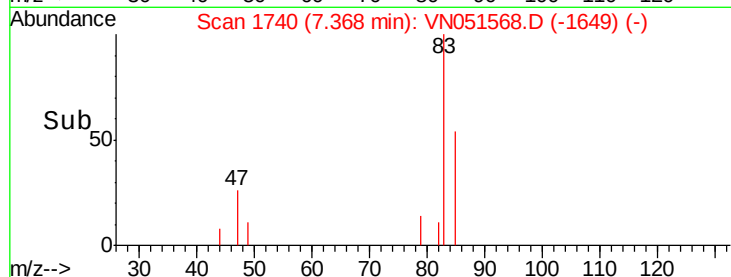
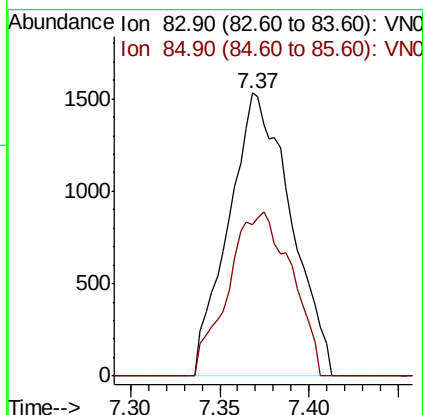
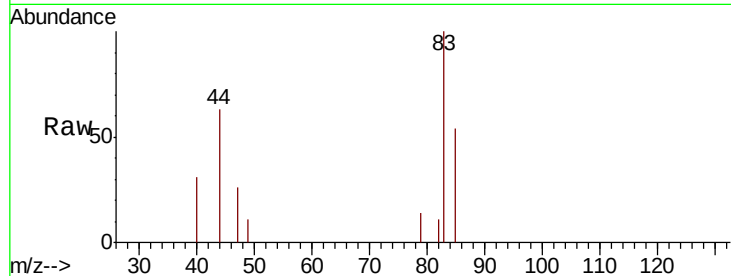




#30
Chloroform
Concen: 0.269 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VN051568.D
Acq: 27 Sep 2018 8:32

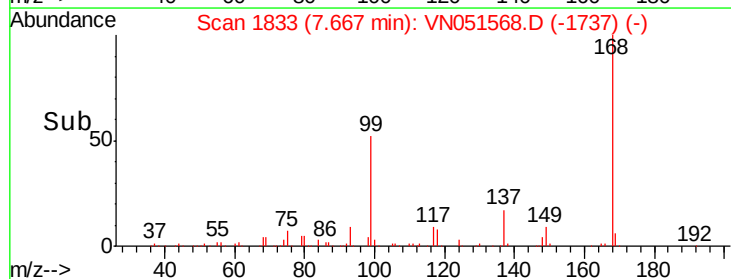
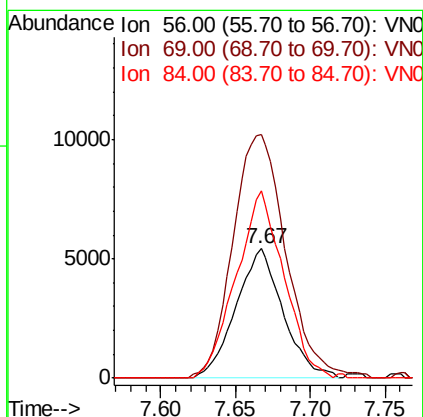
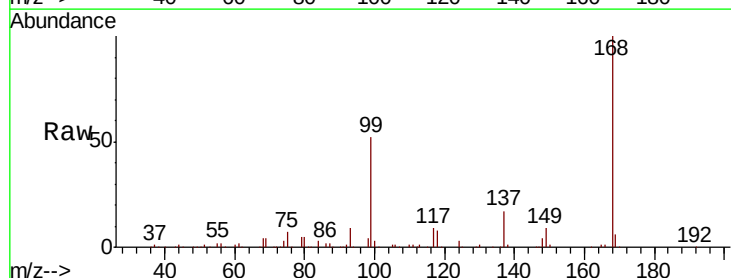
Instrument :
MSVOA_N
ClientSampleId :
TP-C

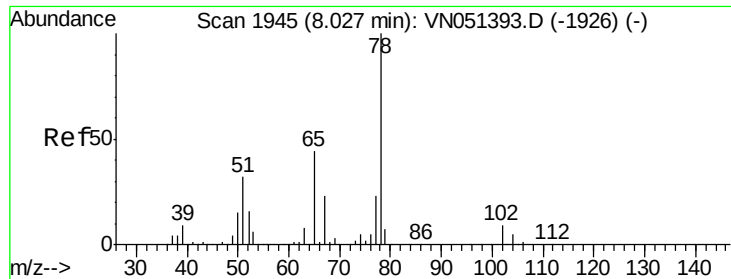
Tot Ion: 83 Resp: 3720
Ion Ratio Lower Upper
83 100
85 53.7 51.8 77.6



#31
Cyclohexane
Concen: 0.930 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051568.D
Acq: 27 Sep 2018 8:32

Tgt Ion: 56 Resp: 11905
Ion Ratio Lower Upper
56 100
69 188.2 25.8 38.6#
84 144.6 66.0 99.0#

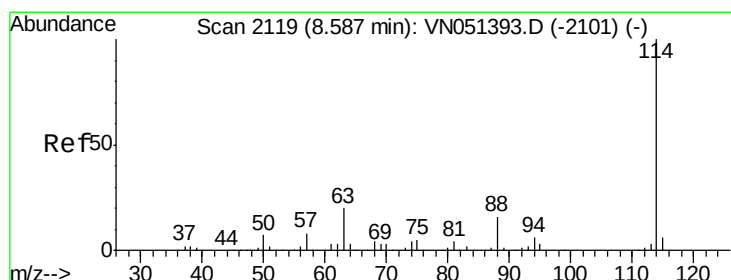
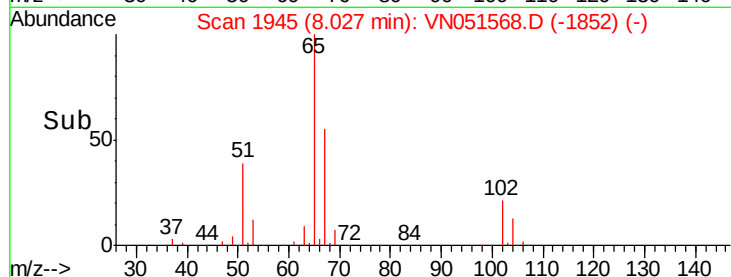
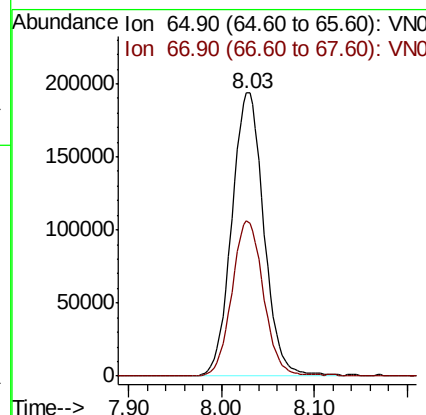
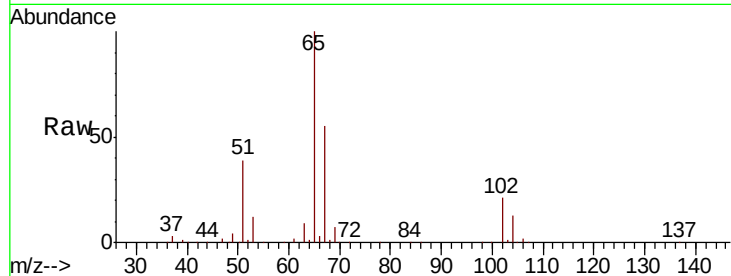




#33
 1,2-Dichloroethane-d4
 Concen: 57.185 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051568.D
 Acq: 27 Sep 2018 8:32

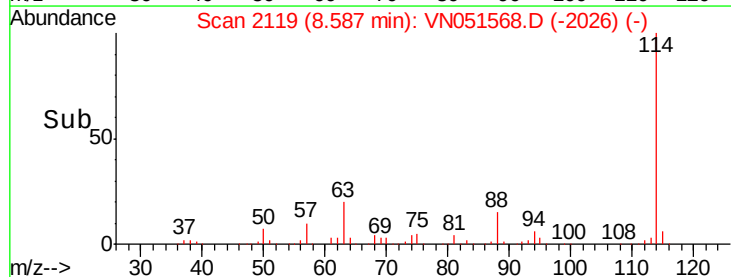
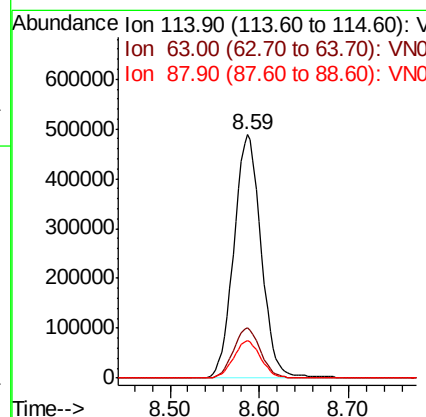
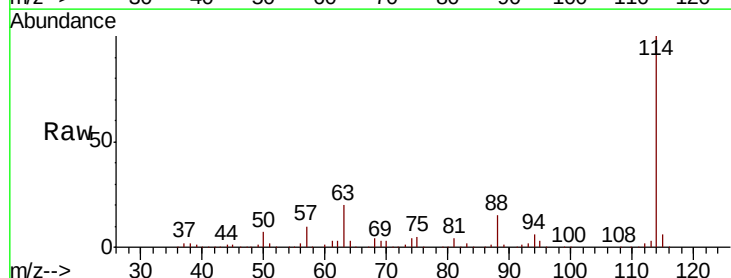
Instrument :
 MSVOA_N
 ClientSampled :
 TP-C

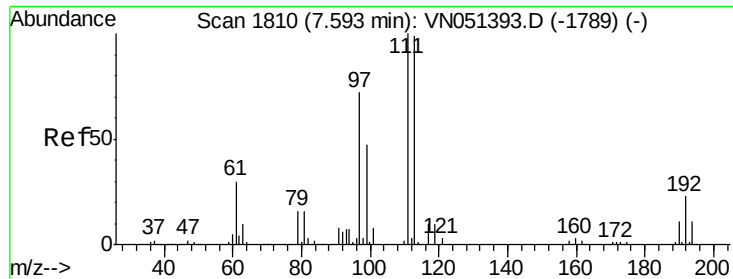
Tot Ion: 65 Resp: 465116
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051568.D
 Acq: 27 Sep 2018 8:32

Tgt Ion: 114 Resp: 1033763
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.2
 88 15.4 0.0 31.4

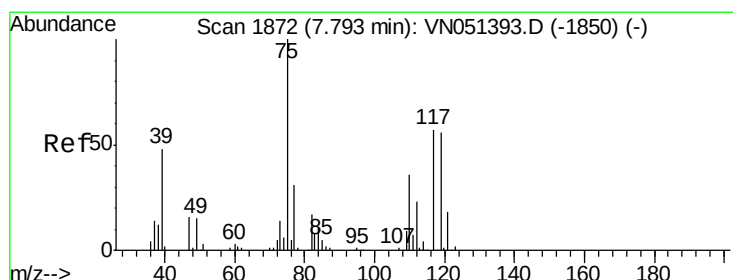
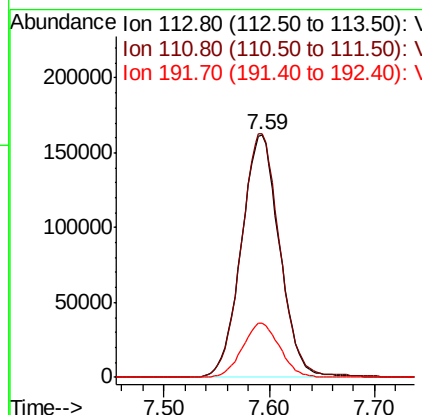
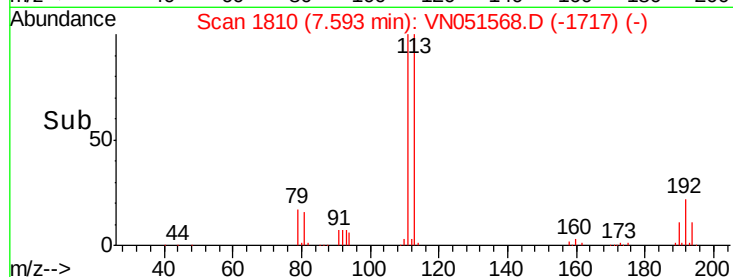
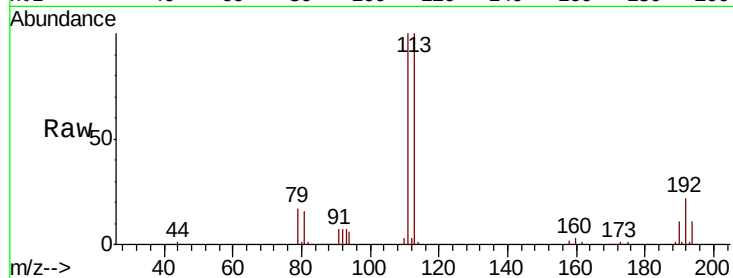




#35
 Dibromofluoromethane
 Concen: 49.313 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051568.D
 Acq: 27 Sep 2018 8:32

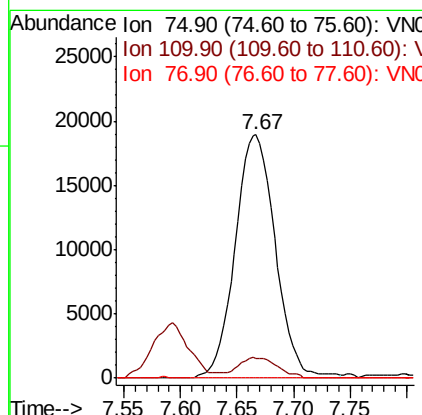
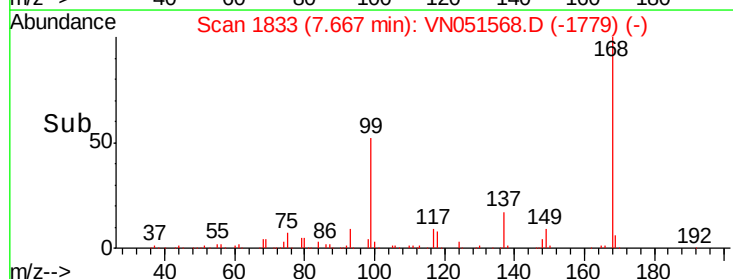
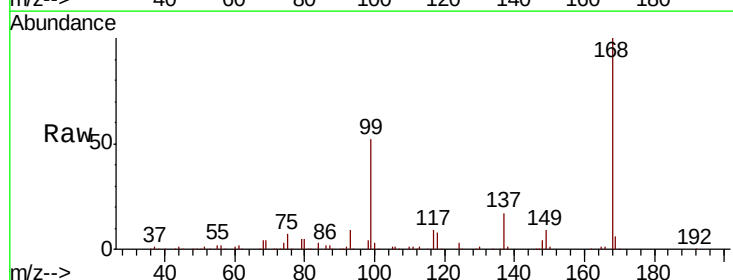
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-C

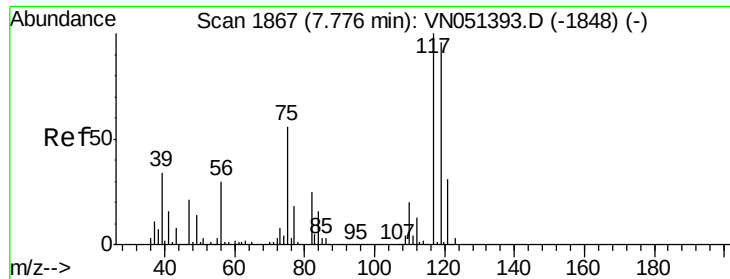
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.6	123.8
192	21.8	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.909 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051568.D
 Acq: 27 Sep 2018 8:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.1	54.3#
77	0.0	25.6	38.4#





#38

Carbon Tetrachloride

Concen: 4.764 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051568.D

Acq: 27 Sep 2018 8:32

Instrument :

MSVOA_N

ClientSampled :

TP-C

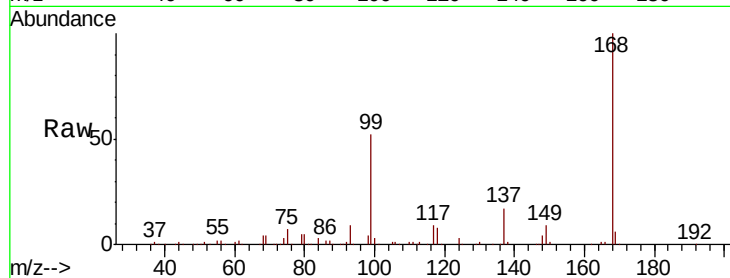
Tot Ion:117 Resp: 59655

Ion Ratio Lower Upper

117 100

119 5.5 76.9 115.3#

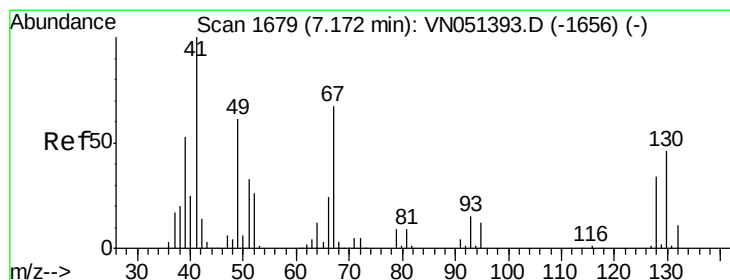
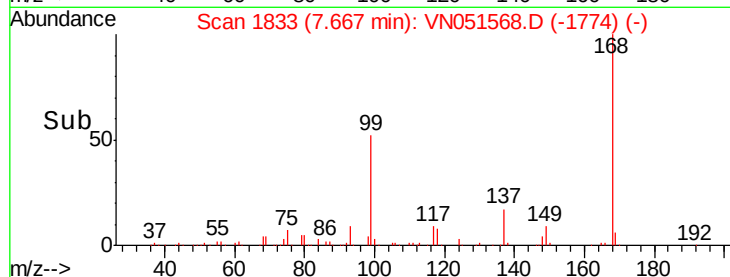
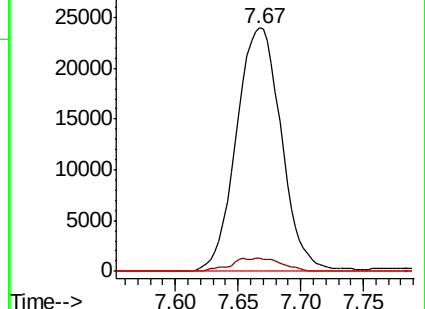
121 0.0 24.6 37.0#



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



#41

Methacrylonitrile

Concen: 0.211 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.05 min

Lab File: VN051568.D

Acq: 27 Sep 2018 8:32

Tgt Ion: 41 Resp: 802

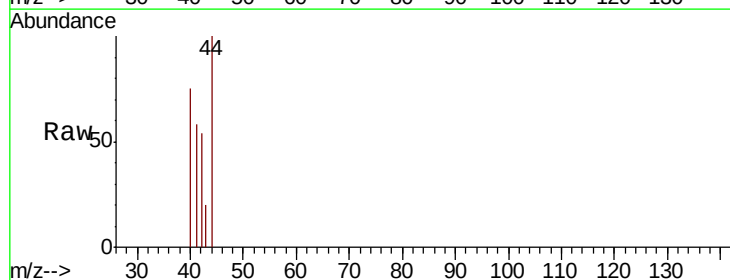
Ion Ratio Lower Upper

41 100

39 14.5 51.4 77.2#

67 0.0 66.8 100.2#

52 0.0 27.7 41.5#

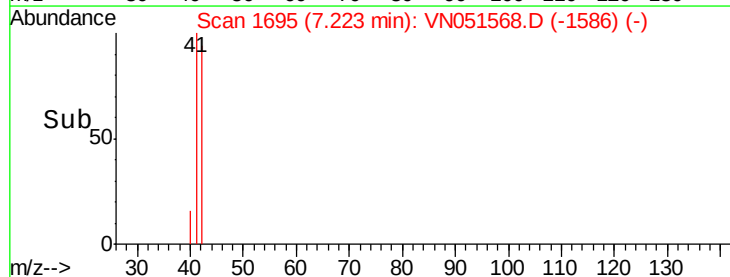
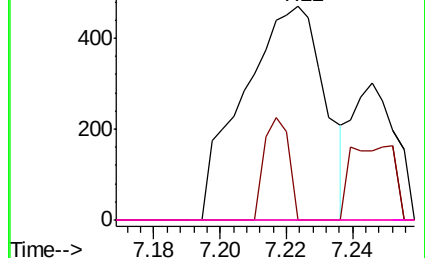


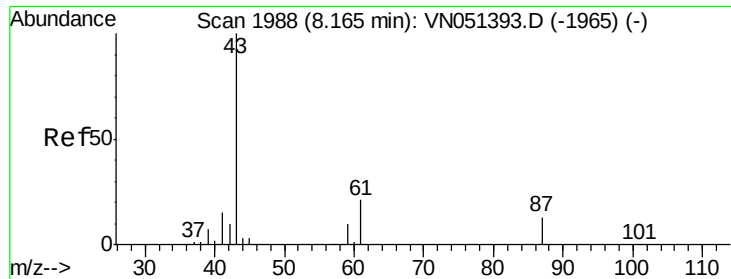
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 19.997 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051568.D

Acq: 27 Sep 2018 8:32

Instrument :

MSVOA_N

ClientSampleId :

TP-C

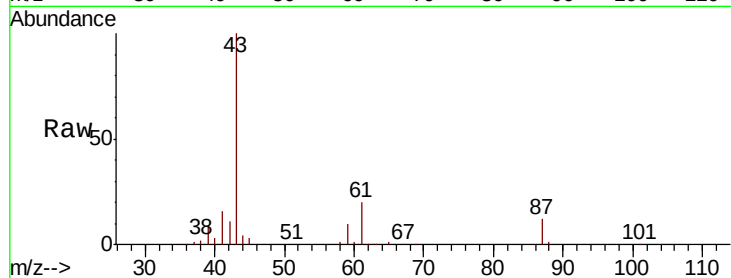
Tot Ion: 43 Resp: 248882

Ion Ratio Lower Upper

43 100

61 19.5 16.8 25.2

87 12.0 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

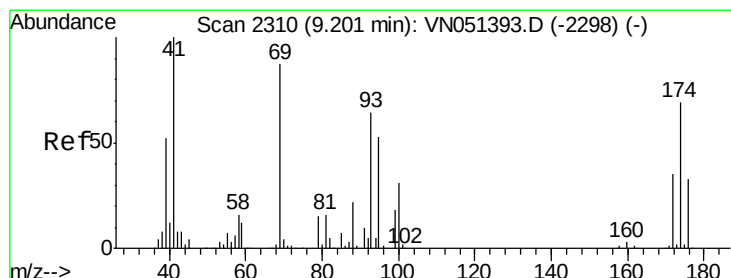
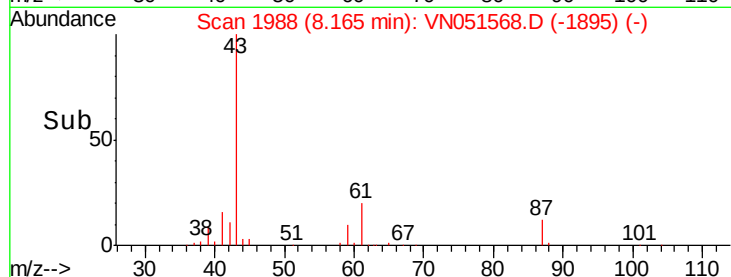
8.17

100000

50000

0

Time-->



#48

Methyl methacrylate

Concen: 1.014 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN051568.D

Acq: 27 Sep 2018 8:32

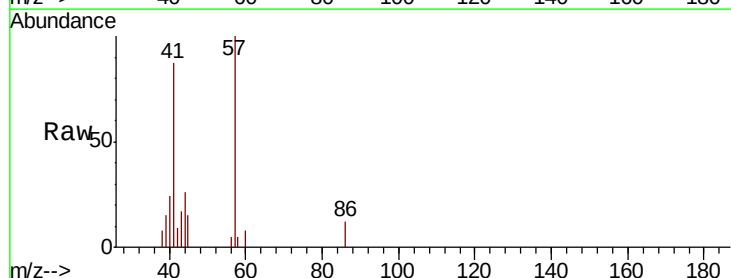
Tgt Ion: 41 Resp: 6292

Ion Ratio Lower Upper

41 100

69 0.0 70.4 105.6#

39 12.5 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

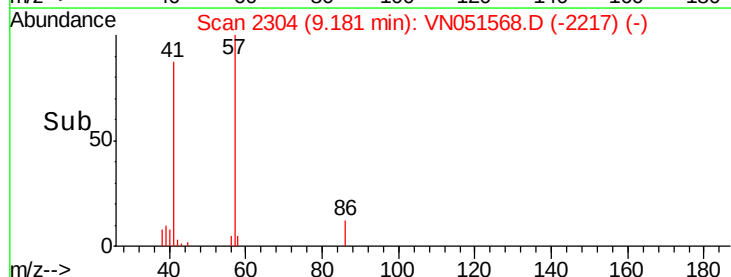
9.18

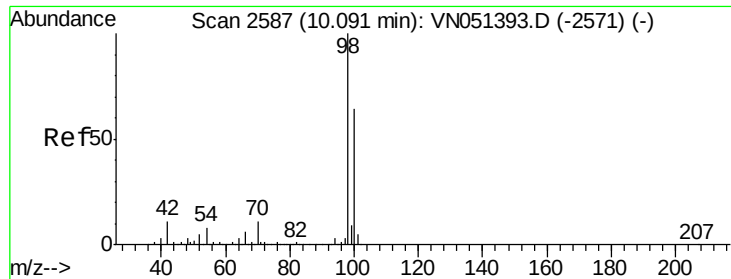
10000

5000

0

Time-->

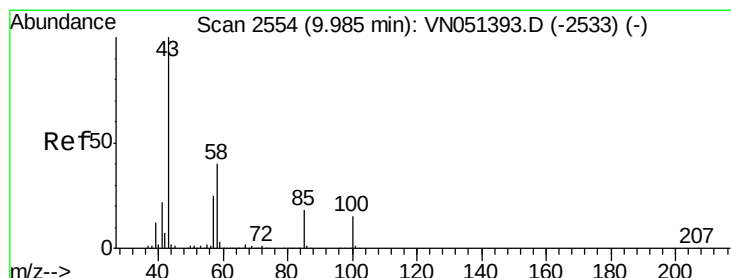
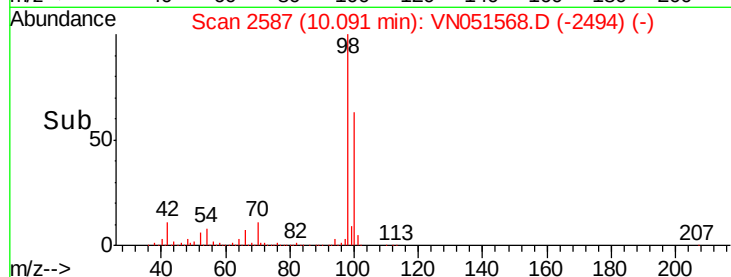
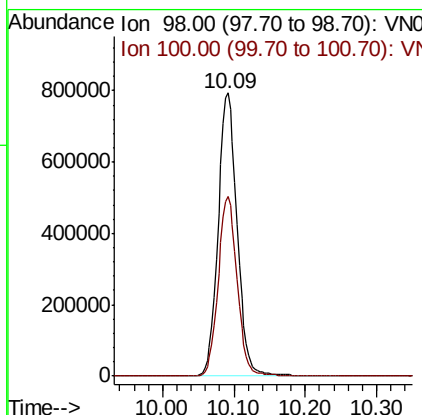
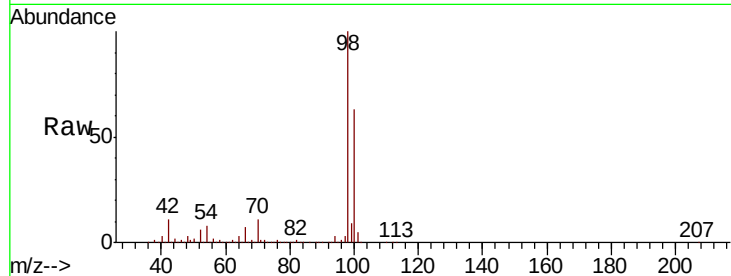




#50
Toluene-d8
Concen: 47.087 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051568.D
Acq: 27 Sep 2018 8:32

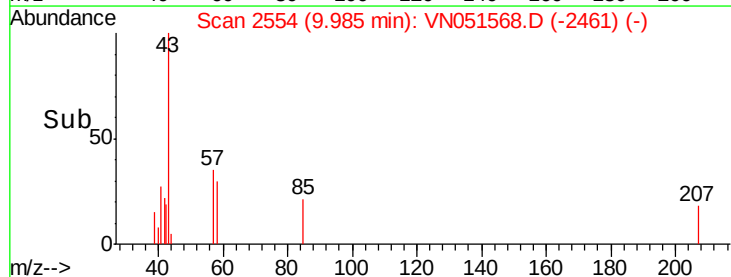
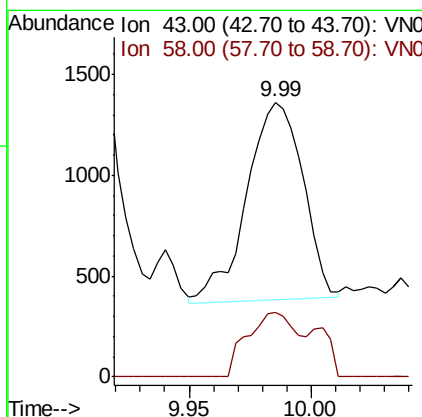
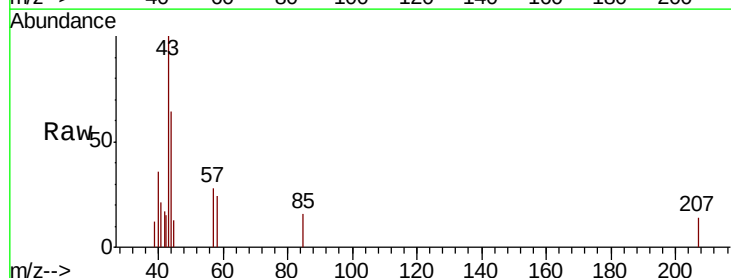
Instrument :
MSVOA_N
ClientSampled :
TP-C

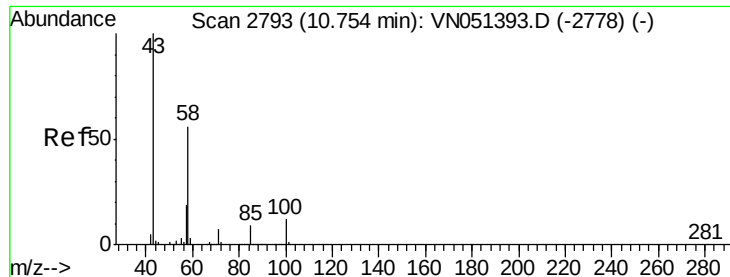
Tot Ion: 98 Resp: 1465757
Ion Ratio Lower Upper
98 100
100 63.3 50.6 75.8



#51
4-Methyl-2-Pentanone
Concen: 0.231 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051568.D
Acq: 27 Sep 2018 8:32

Tgt Ion: 43 Resp: 1579
Ion Ratio Lower Upper
43 100
58 29.6 31.5 47.3#

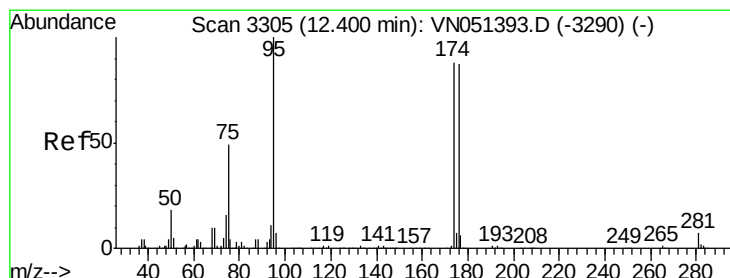
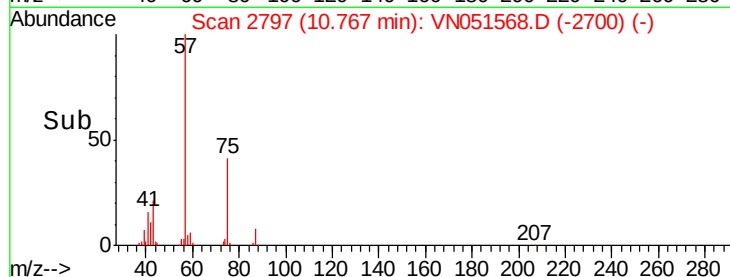
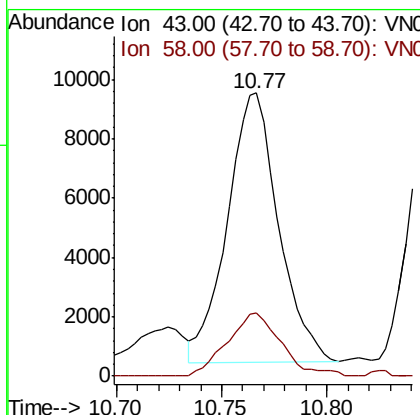
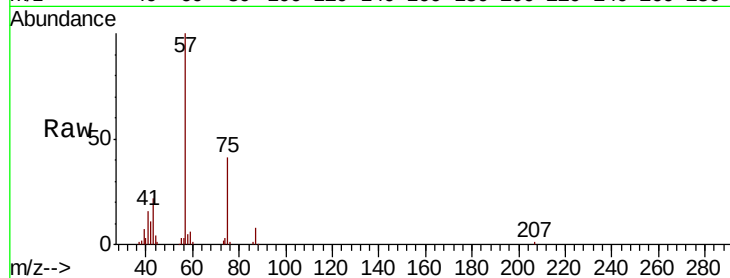




#59
2-Hexanone
Concen: 3.438 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051568.D
Acq: 27 Sep 2018 8:32

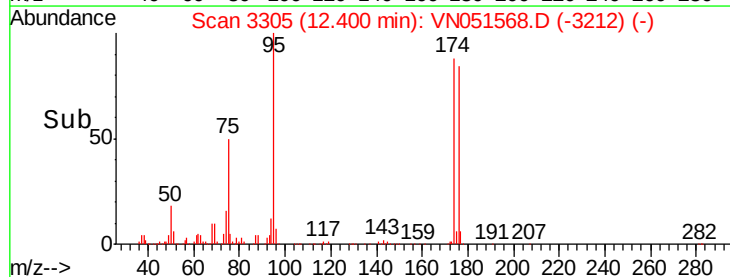
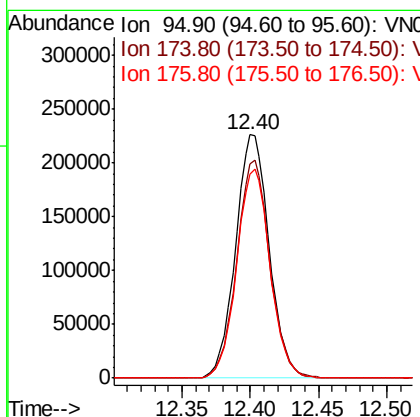
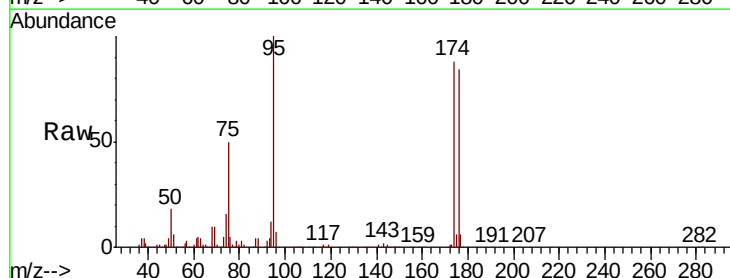
Instrument :
MSVOA_N
ClientSampled :
TP-C

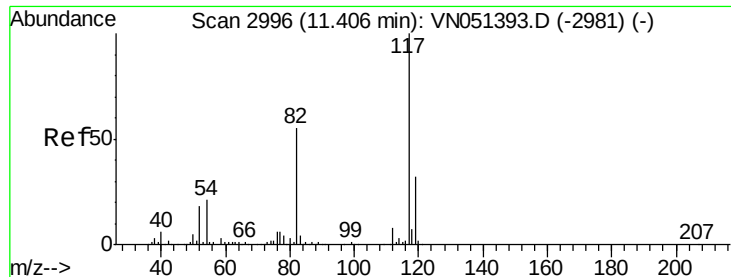
Tot Ion: 43 Resp: 15256
Ion Ratio Lower Upper
43 100
58 24.8 27.7 83.0#



#62
4-Bromofluorobenzene
Concen: 38.347 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051568.D
Acq: 27 Sep 2018 8:32

Tgt Ion: 95 Resp: 386154
Ion Ratio Lower Upper
95 100
174 88.2 0.0 181.6
176 85.5 0.0 176.4

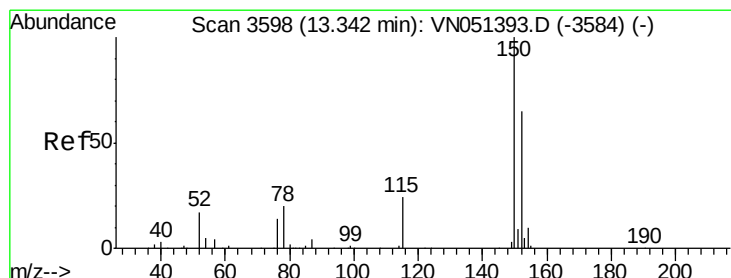
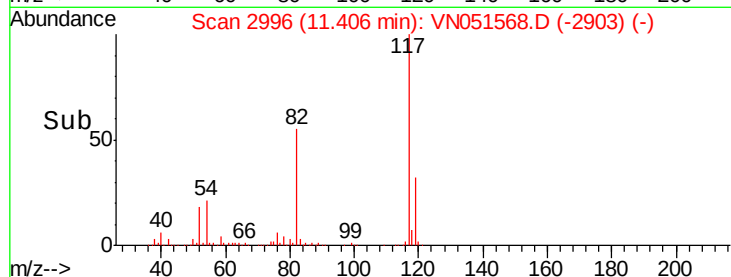
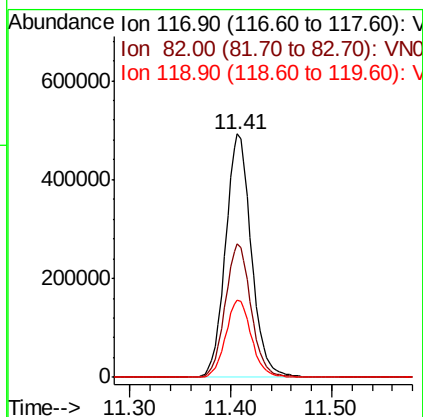
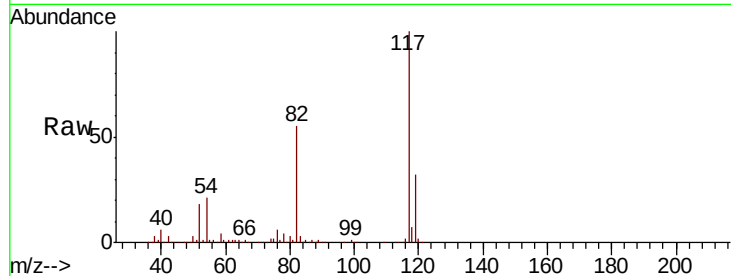




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051568.D
Acq: 27 Sep 2018 8:32

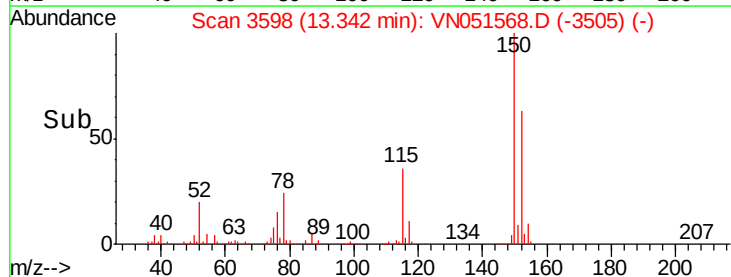
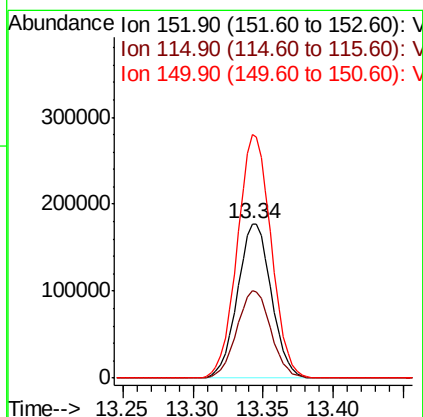
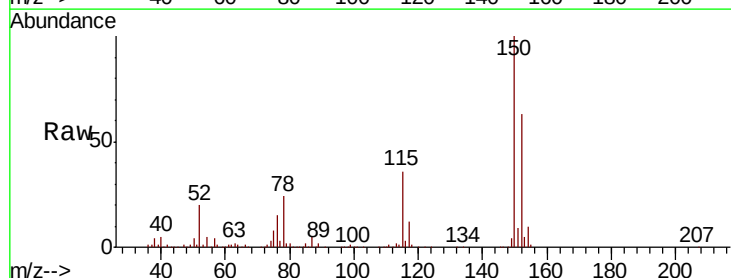
Instrument :
MSVOA_N
ClientSampleId :
TP-C

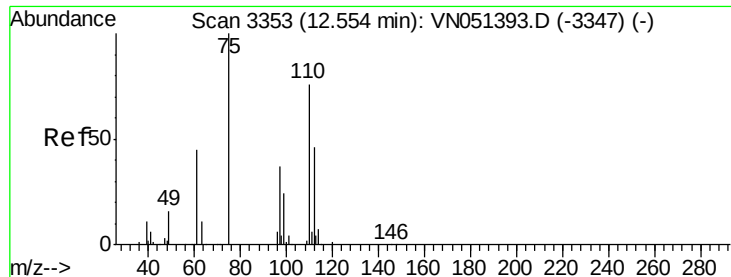
Tot Ion:117 Resp: 877723
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 32.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051568.D
Acq: 27 Sep 2018 8:32

Tgt Ion:152 Resp: 298994
Ion Ratio Lower Upper
152 100
115 56.8 28.3 84.9
150 157.7 0.0 353.6





#76

1,2,3-Trichloropropane

Concen: 38.425 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051568.D

Acq: 27 Sep 2018 8:32

Instrument :

MSVOA_N

ClientSampleId :

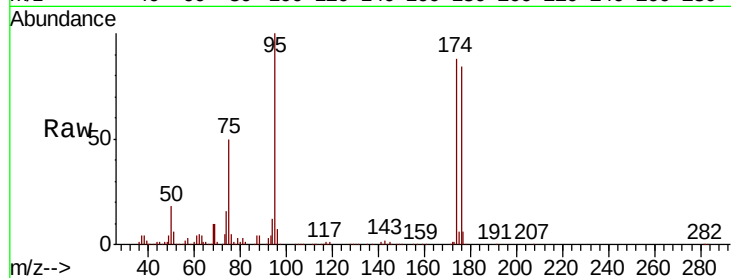
TP-C

Tot Ion: 75 Resp: 190724

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

80000

60000

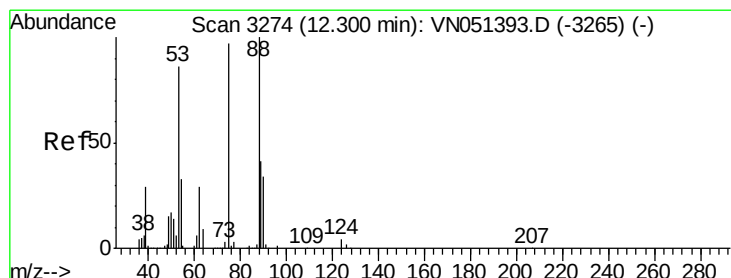
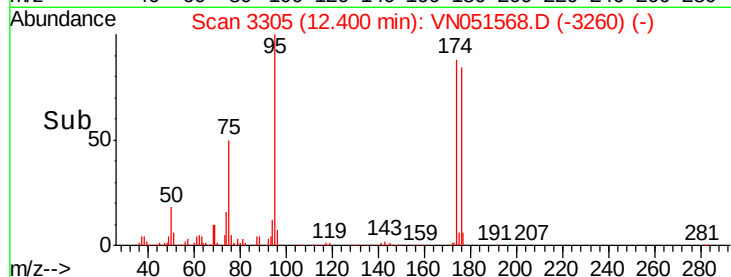
40000

20000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 118.155 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051568.D

Acq: 27 Sep 2018 8:32

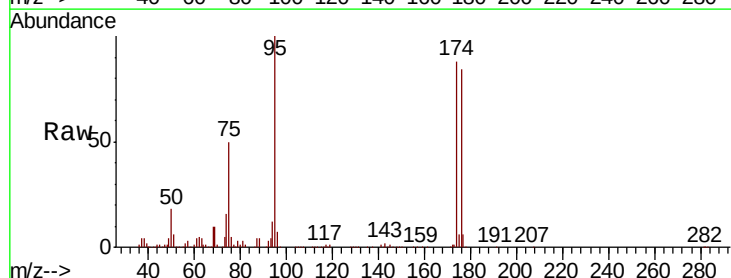
Tgt Ion: 75 Resp: 190724

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

150000

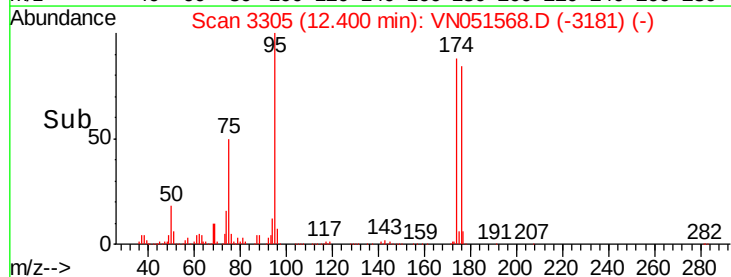
100000

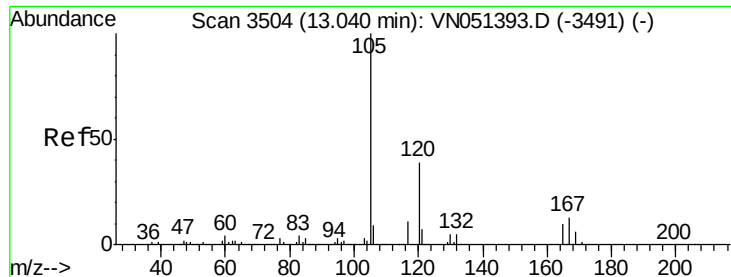
50000

0

12.35 12.40 12.45

Time-->

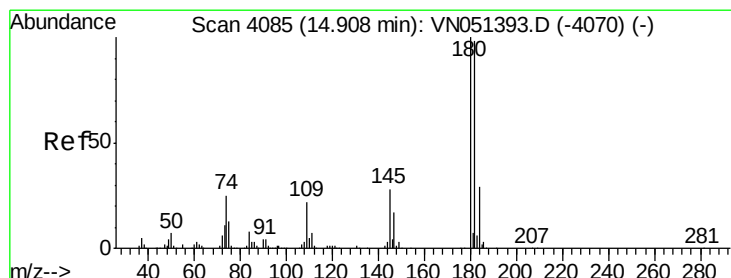
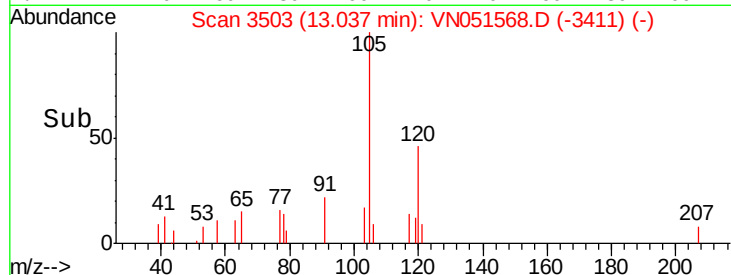
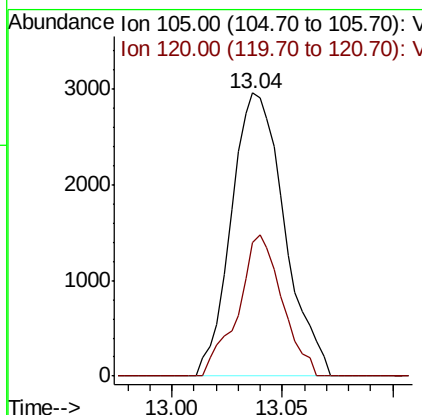
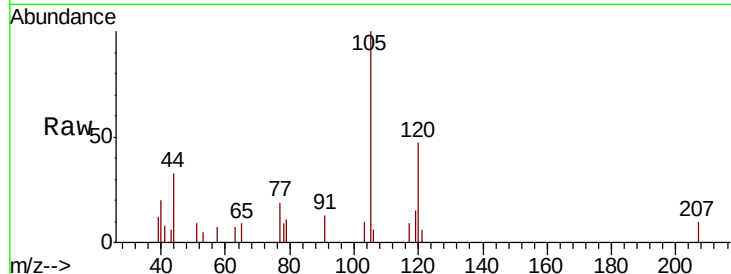




#84
 1,2,4-Trimethylbenzene
 Concen: 0.239 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN051568.D
 Acq: 27 Sep 2018 8:32

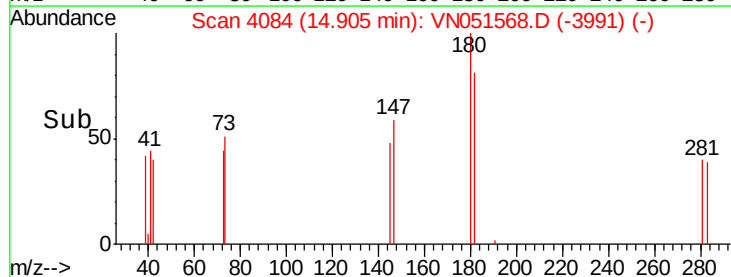
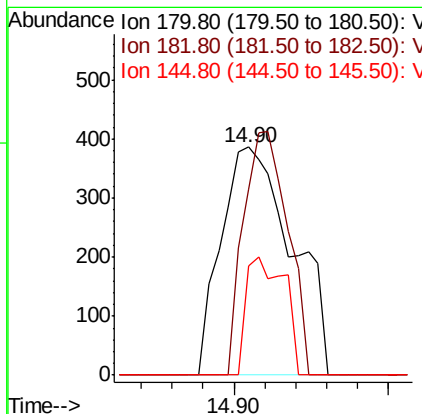
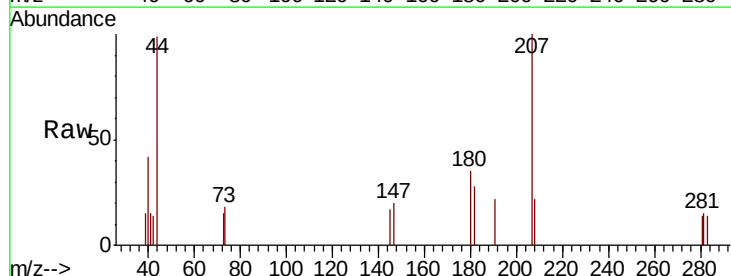
Instrument :
 MSVOA_N
 ClientSampled :
 TP-C

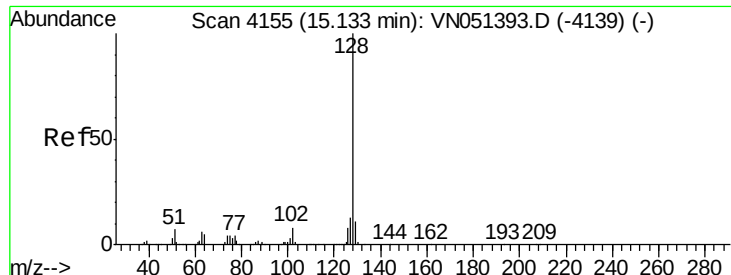
Tot Ion:105 Resp: 4962
 Ion Ratio Lower Upper
 105 100
 120 41.3 22.9 68.7



#93
 1,2,4-Trichlorobenzene
 Concen: 6.076 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN051568.D
 Acq: 27 Sep 2018 8:32

Tgt Ion:180 Resp: 617
 Ion Ratio Lower Upper
 180 100
 182 66.0 48.5 145.6
 145 27.7 14.1 42.4





#95

Naphthalene

Concen: 8.906 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051568.D

Acq: 27 Sep 2018 8:32

Instrument :

MSVOA_N

ClientSampleId :

TP-C

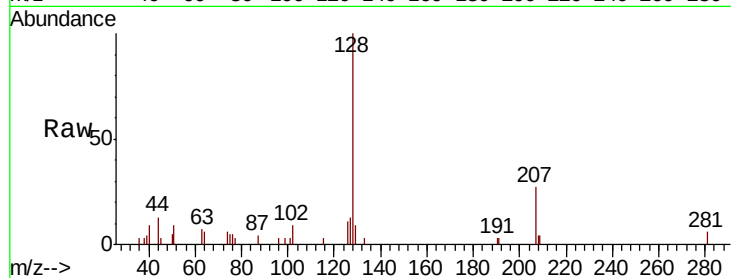
Tot Ion:128 Resp: 11415

Ion Ratio Lower Upper

128 100

127 14.1 10.5 15.7

129 10.7 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

