

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021919\
 Data File : VN053864.D
 Acq On : 19 Feb 2019 12:55
 Operator : JC/SP
 Sample : K1518-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-MH-C05

Quant Time: Feb 20 03:17:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	659204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1146488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1119336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	456686	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	364342	55.09	ug/l	0.00
Spiked Amount			Recovery	=	110.18%	
35) Dibromofluoromethane	7.59	113	360473	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
50) Toluene-d8	10.09	98	1411284	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.40	95	490498	54.07	ug/l	0.00
Spiked Amount			Recovery	=	108.14%	

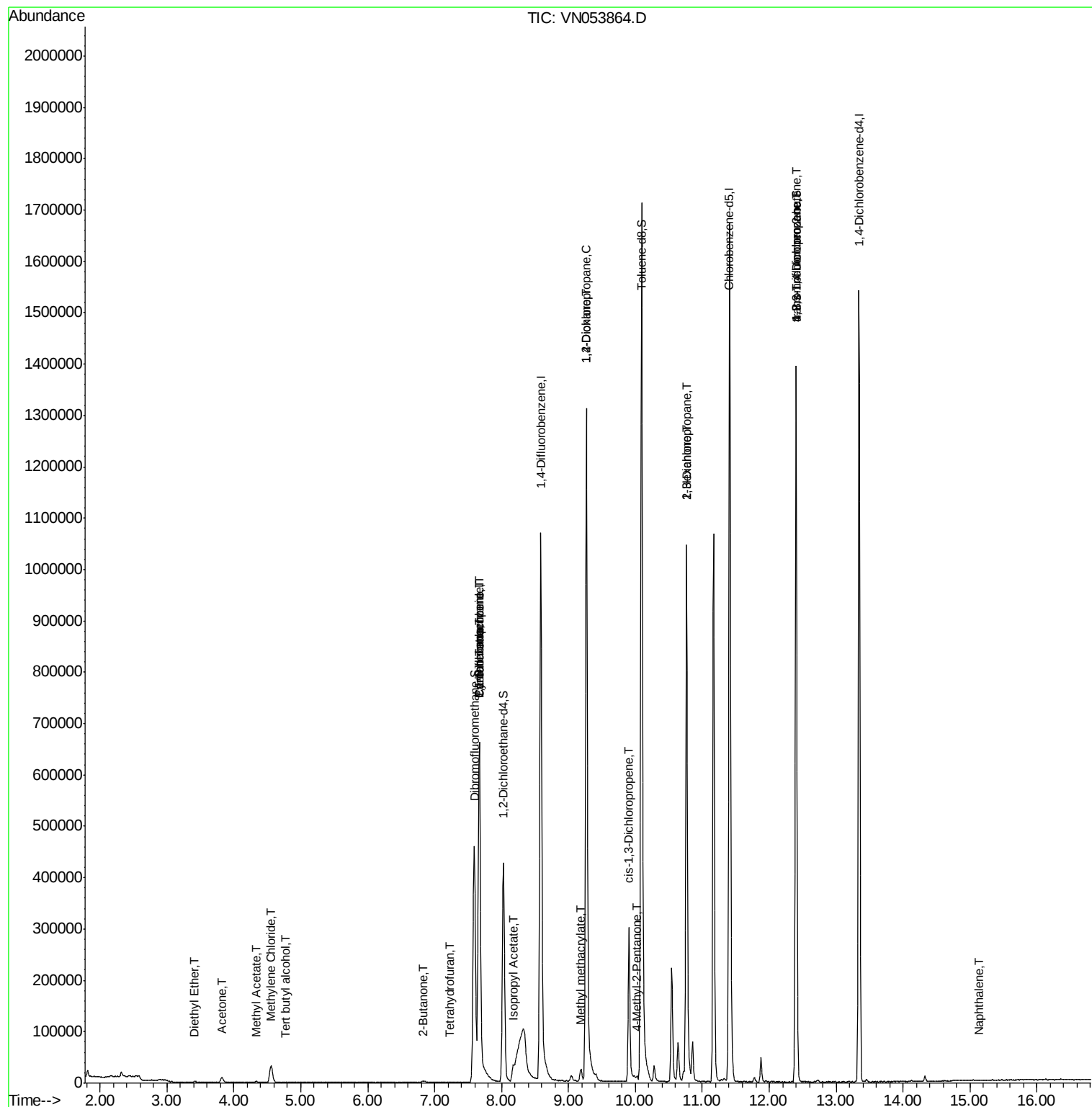
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.41	74	963	0.256	ug/l	59
11) Tert butyl alcohol	4.78	59	190	0.485	ug/l #	72
16) Acetone	3.82	43	17512	10.324	ug/l	100
18) Methyl Acetate	4.33	43	4136	0.823	ug/l #	80
20) Methylene Chloride	4.56	84	27535	3.869	ug/l	98
25) 2-Butanone	6.83	43	5060	2.092	ug/l #	87
29) Tetrahydrofuran	7.23	42	1288	0.829	ug/l #	53
31) Cyclohexane	7.67	56	9797	0.709	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	38464	3.722	ug/l #	48
38) Carbon Tetrachloride	7.66	117	52612	5.053	ug/l #	16
43) Isopropyl Acetate	8.18	43	35948	3.225	ug/l #	78
45) 1,2-Dichloropropane	9.26	63	1637	0.201	ug/l #	43
48) Methyl methacrylate	9.18	41	9729	1.828	ug/l #	12
49) 1,4-Dioxane	9.27	88	138	40.818	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	7489	1.367	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	62755	5.176	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	11784	1.012	ug/l #	43
59) 2-Hexanone	10.76	43	155817	41.901	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	227074	38.711	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	227074	108.853	ug/l #	15
95) Naphthalene	15.13	128	378	1.754	ug/l #	69

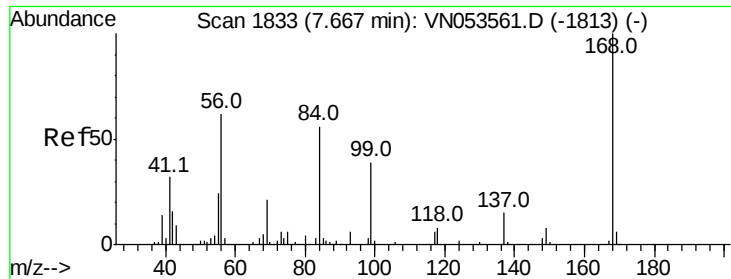
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021919\
Data File : VN053864.D
Acq On : 19 Feb 2019 12:55
Operator : JC/SP
Sample : K1518-20
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-MH-C05

Quant Time: Feb 20 03:17:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
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: VN053864.D

Acq: 19 Feb 2019 12:55

Instrument :

MSVOA_N

ClientSampled :

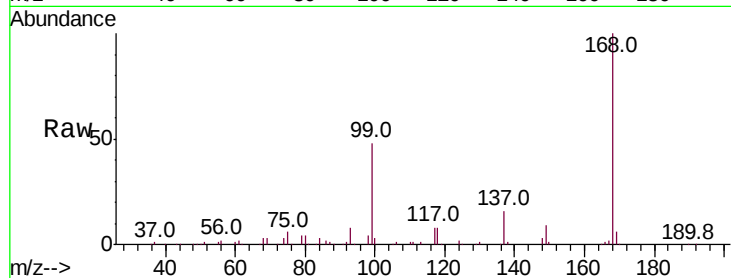
TP-MH-C05

Tot Ion:168 Resp: 659204

Ion Ratio Lower Upper

168 100

99 48.0 39.1 58.7



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

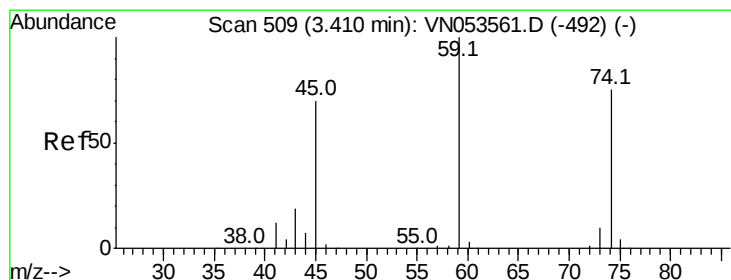
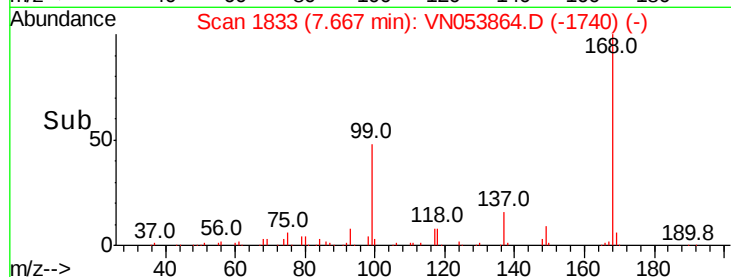
0

Time-->

7.60

7.70

7.80



#8

Diethyl Ether

Concen: 0.256 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN053864.D

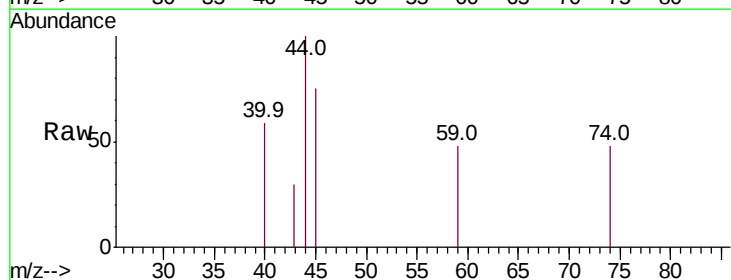
Acq: 19 Feb 2019 12:55

Tgt Ion: 74 Resp: 963

Ion Ratio Lower Upper

74 100

45 56.2 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

3.41

800

600

400

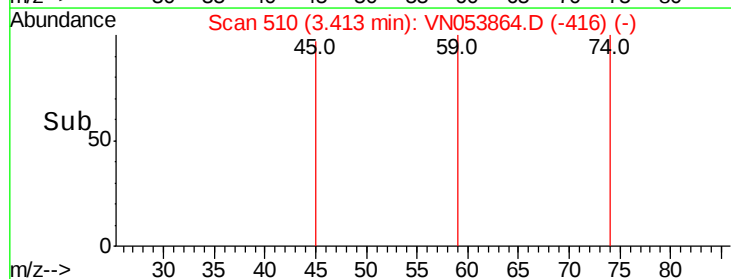
200

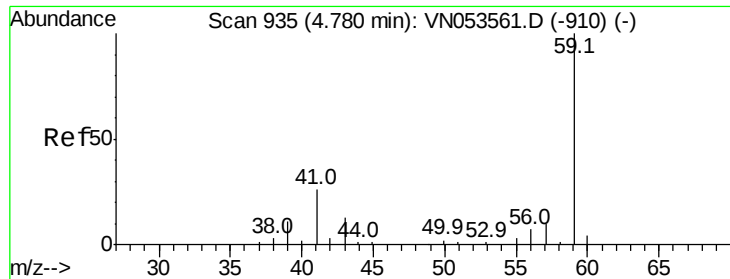
0

Time-->

3.40

3.45

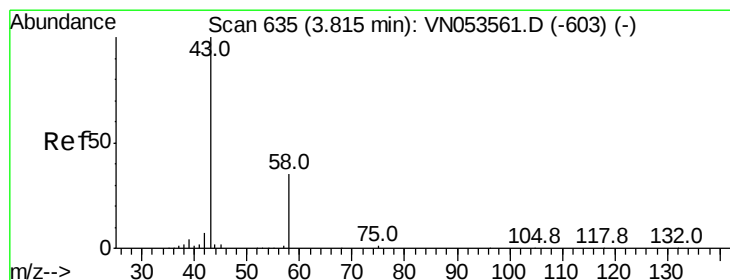
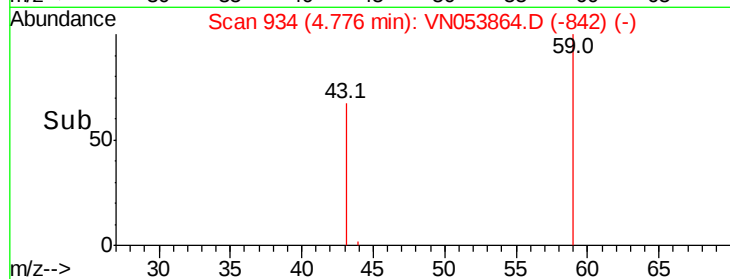
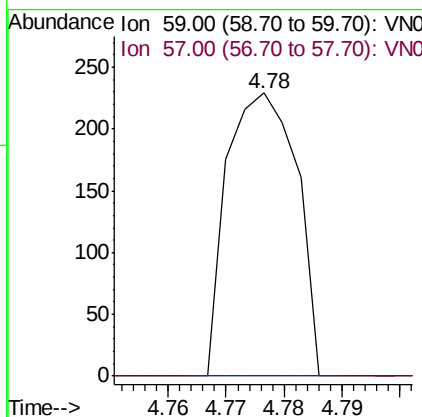
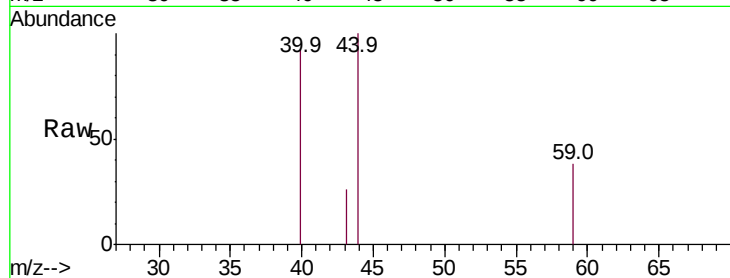




#11
Tert butyl alcohol
Concen: 0.485 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053864.D
Acq: 19 Feb 2019 12:55

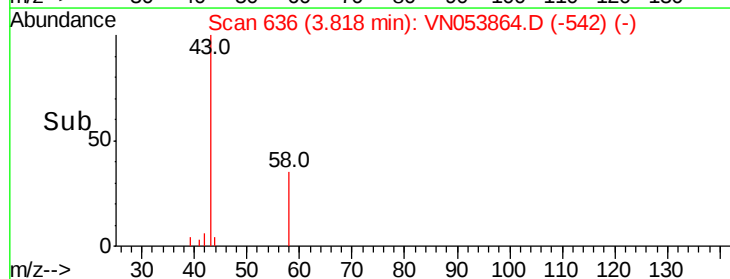
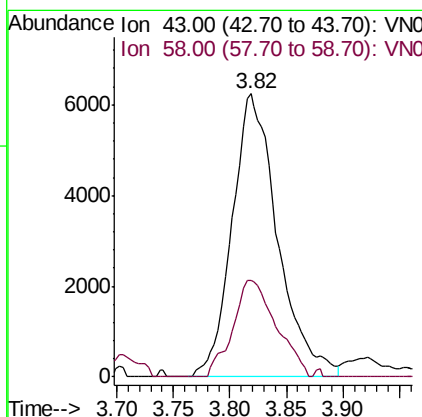
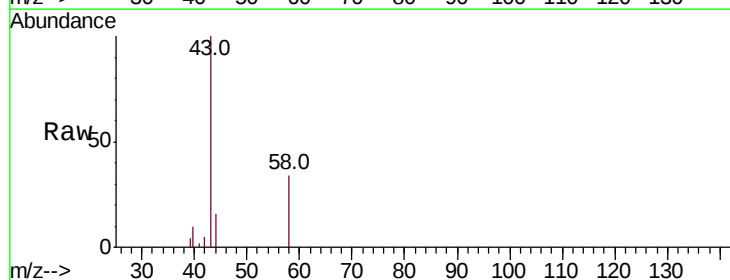
Instrument :
MSVOA_N
ClientSampled :
TP-MH-C05

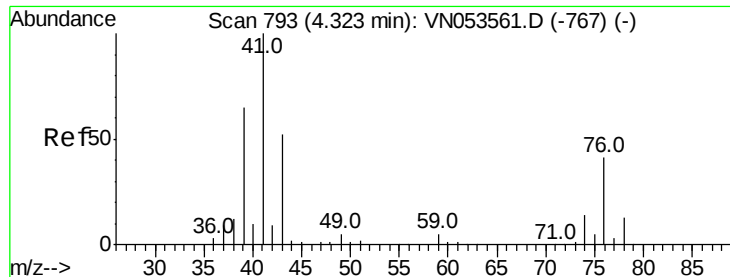
Tot Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 10.324 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN053864.D
Acq: 19 Feb 2019 12:55

Tgt Ion: 43 Resp: 17512
Ion Ratio Lower Upper
43 100
58 34.2 27.1 40.7

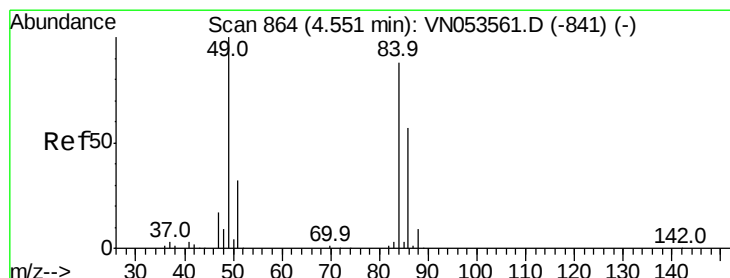
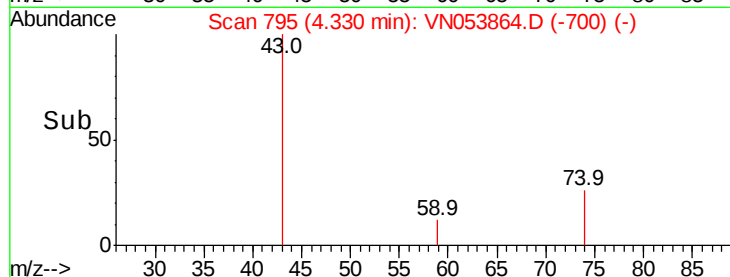
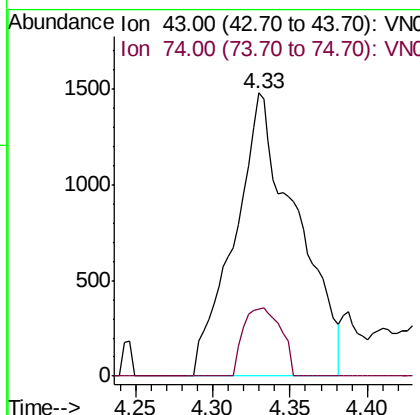
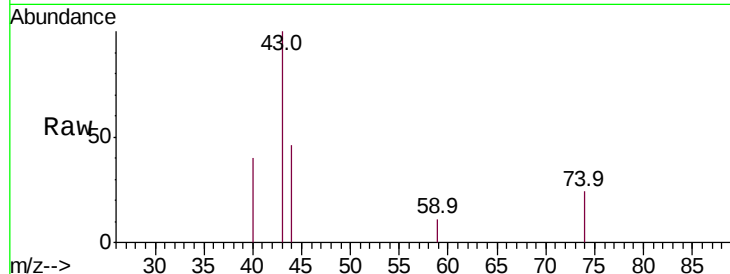




#18
Methyl Acetate
Concen: 0.823 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053864.D
Acq: 19 Feb 2019 12:55

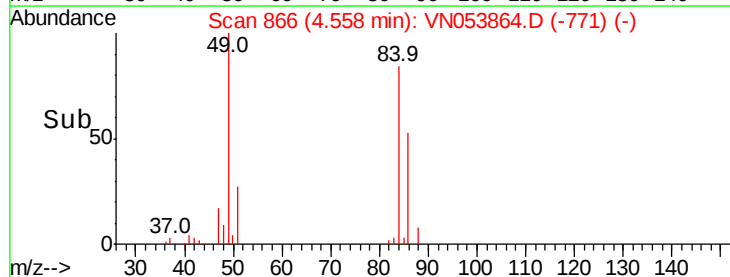
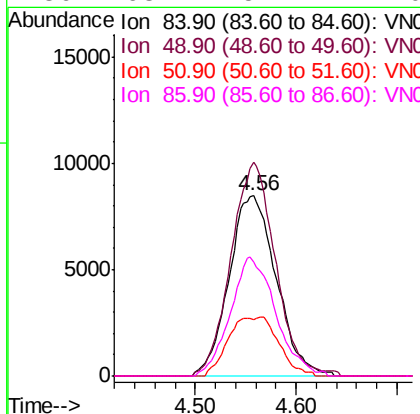
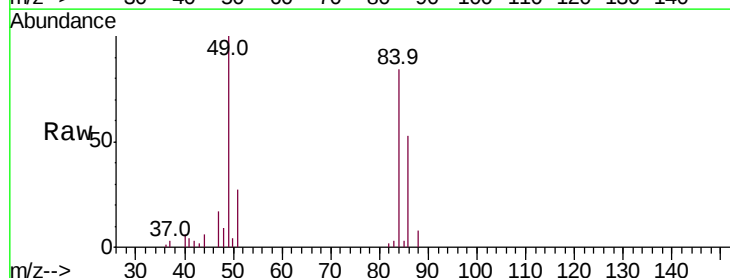
Instrument :
MSVOA_N
ClientSampled :
TP-MH-C05

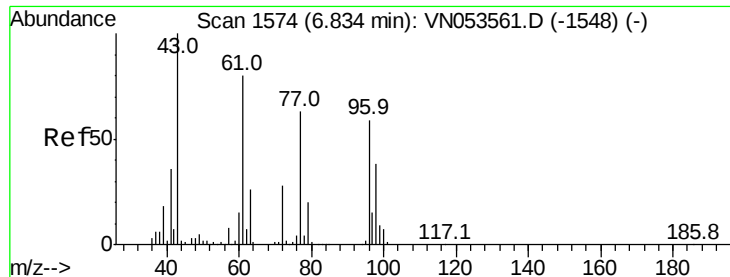
Tot Ion: 43 Resp: 4136
Ion Ratio Lower Upper
43 100
74 14.4 19.4 29.2#



#20
Methylene Chloride
Concen: 3.869 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053864.D
Acq: 19 Feb 2019 12:55

Tgt Ion: 84 Resp: 27535
Ion Ratio Lower Upper
84 100
49 118.5 94.3 141.5
51 31.6 29.4 44.2
86 63.1 51.4 77.0





#25

2-Butanone

Concen: 2.092 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053864.D

Acq: 19 Feb 2019 12:55

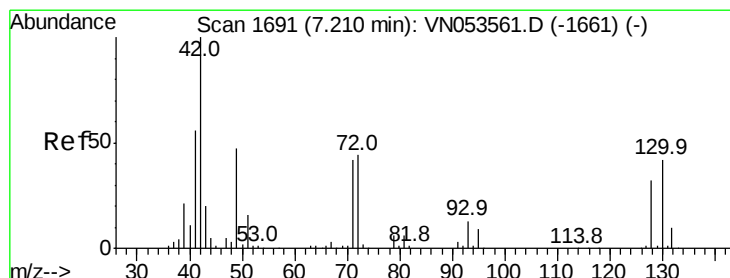
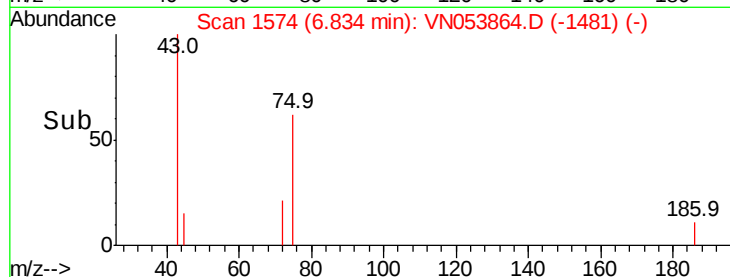
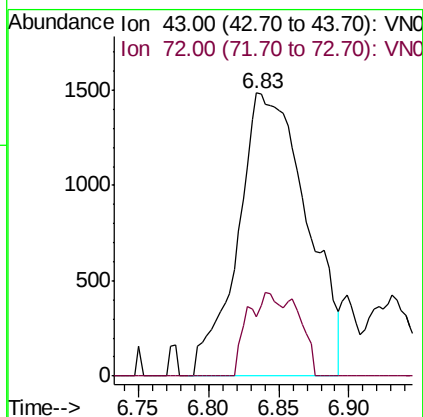
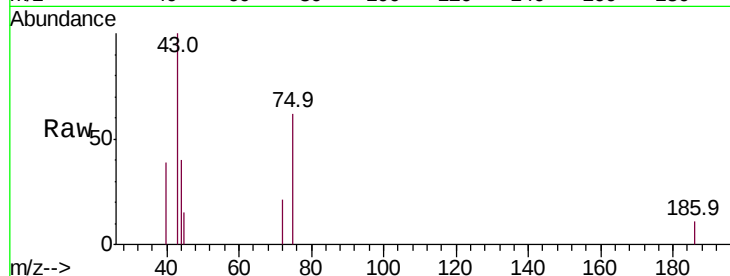
Instrument :
MSVOA_N
ClientSampled :
TP-MH-C05

Tot Ion: 43 Resp: 5060

Ion Ratio Lower Upper

43 100

72 20.9 22.0 33.0#



#29

Tetrahydrofuran

Concen: 0.829 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.02 min

Lab File: VN053864.D

Acq: 19 Feb 2019 12:55

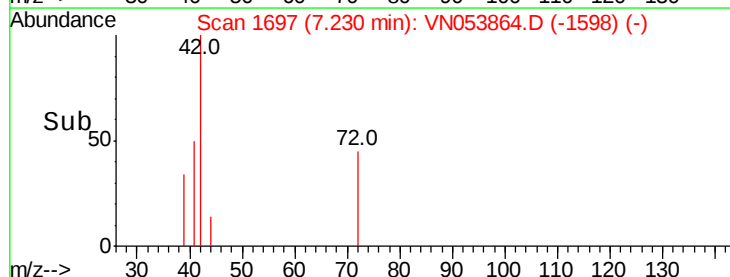
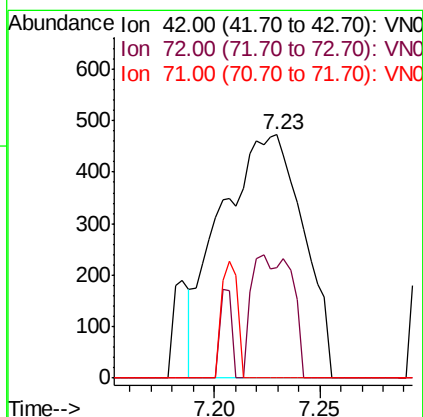
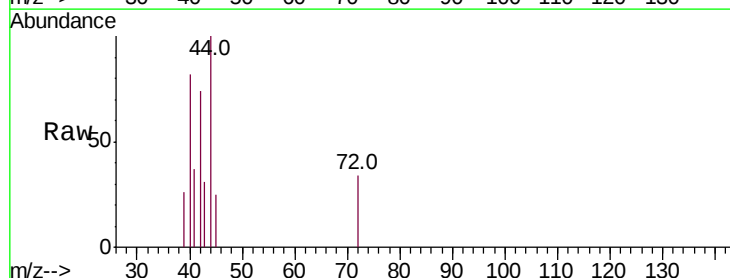
Tgt Ion: 42 Resp: 1288

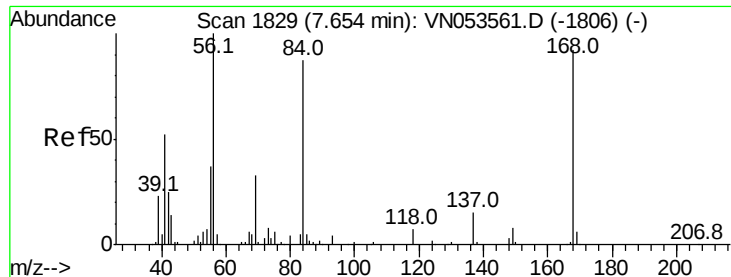
Ion Ratio Lower Upper

42 100

72 24.8 35.2 52.8#

71 0.0 33.0 49.4#

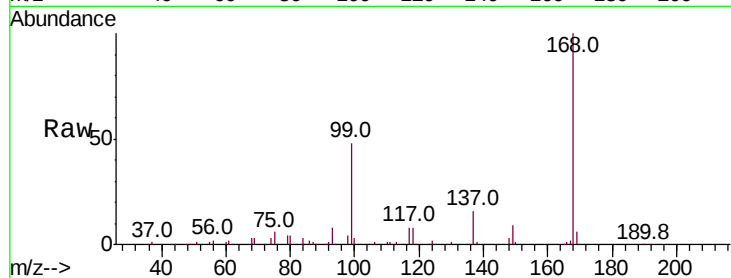




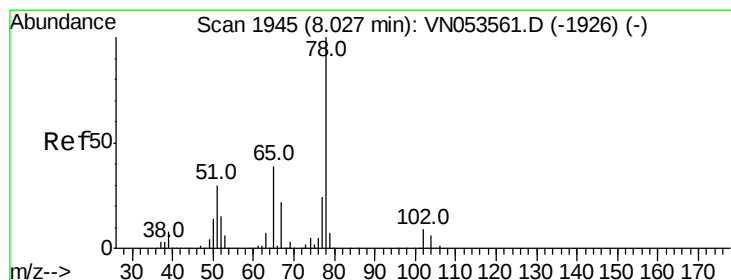
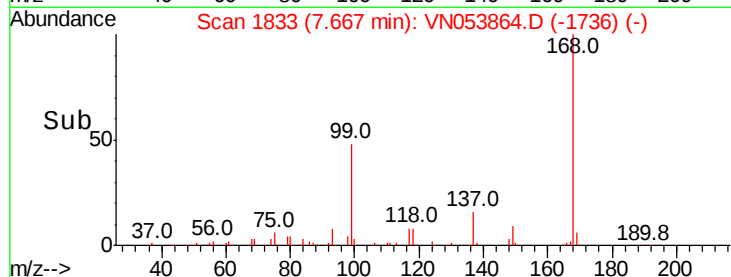
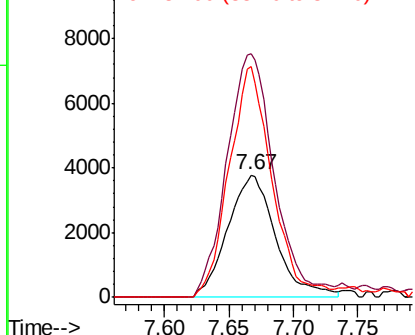
#31
Cvclohexane
Concen: 0.709 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN053864.D
Acq: 19 Feb 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
TP-MH-C05

Tot Ion: 56 Resp: 9797
Ion Ratio Lower Upper
56 100
69 198.9 26.4 39.6#
84 188.4 67.9 101.9#

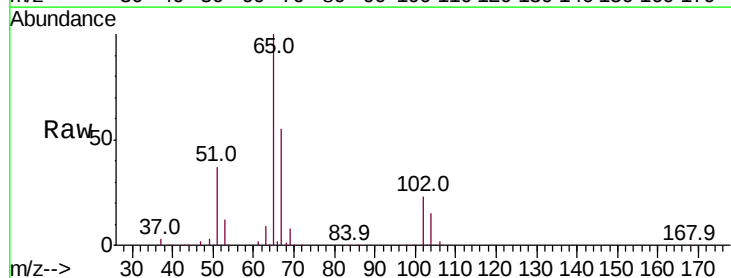


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

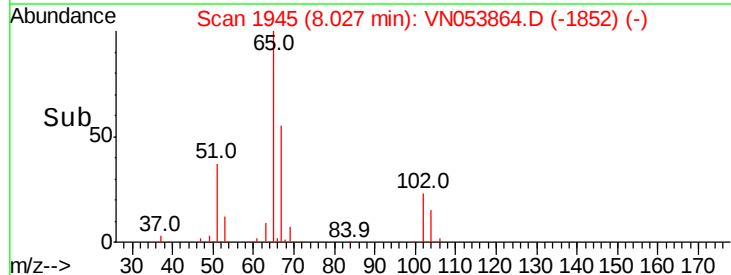
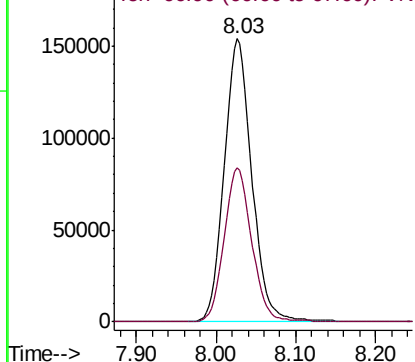


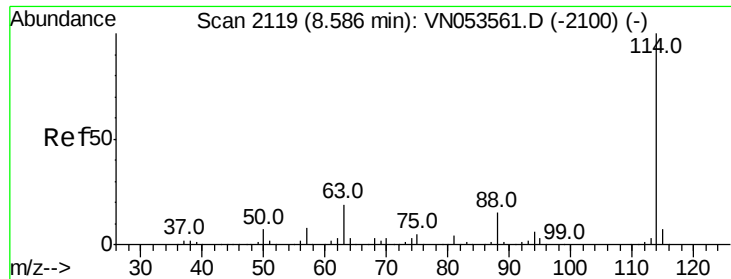
#33
1,2-Dichloroethane-d4
Concen: 55.094 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053864.D
Acq: 19 Feb 2019 12:55

Tgt Ion: 65 Resp: 364342
Ion Ratio Lower Upper
65 100
67 54.6 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC



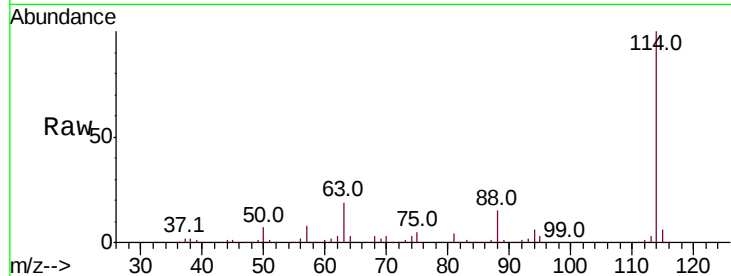


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053864.D
 Acq: 19 Feb 2019 12:55

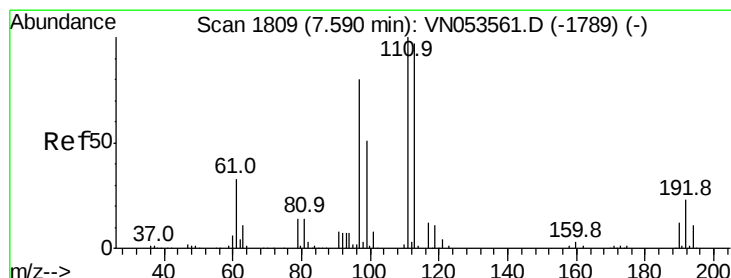
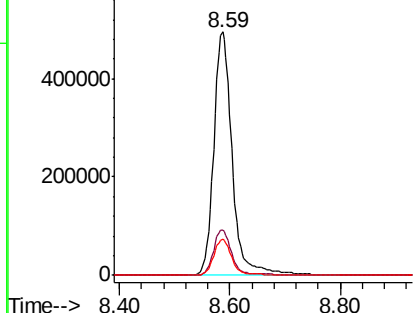
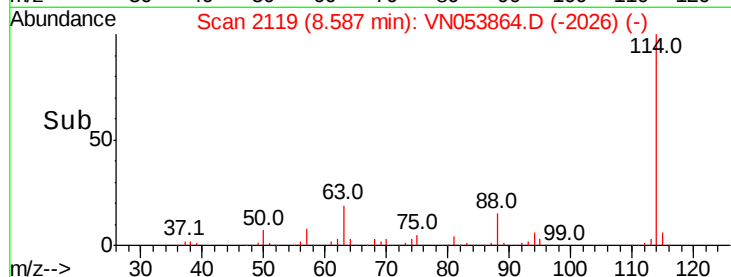
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-MH-C05

Tot Ion:114 Resp: 1146488

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	38.6
88	14.6	0.0	30.4



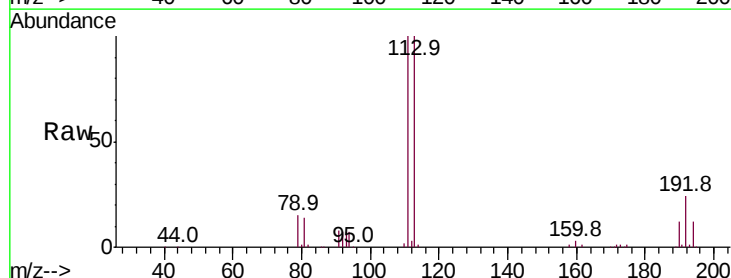
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



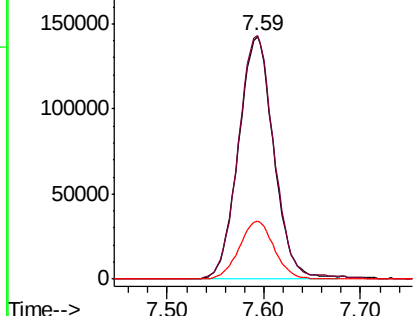
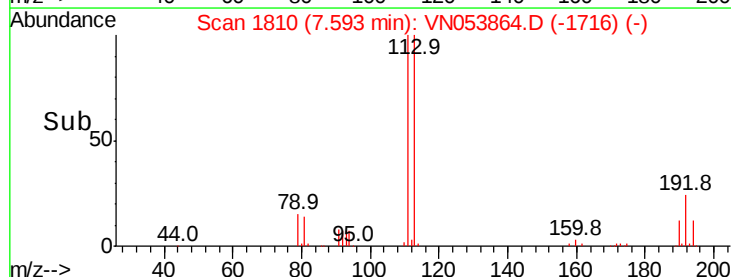
#35
 Dibromofluoromethane
 Concen: 49.759 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053864.D
 Acq: 19 Feb 2019 12:55

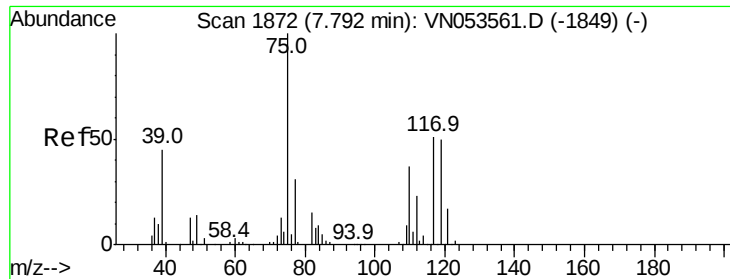
Tgt Ion:113 Resp: 360473

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.1	121.7
192	23.7	18.2	27.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

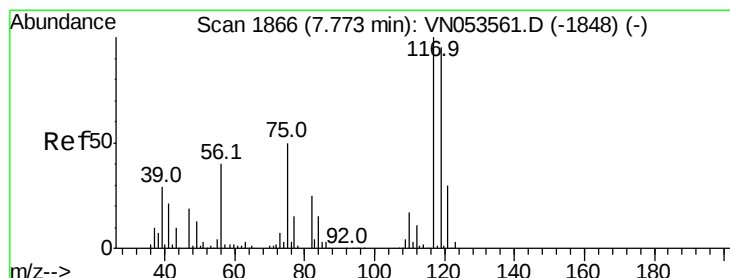
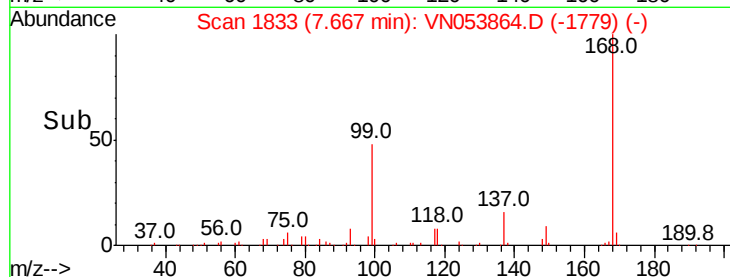
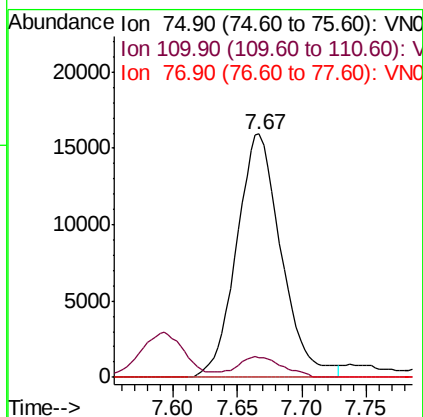
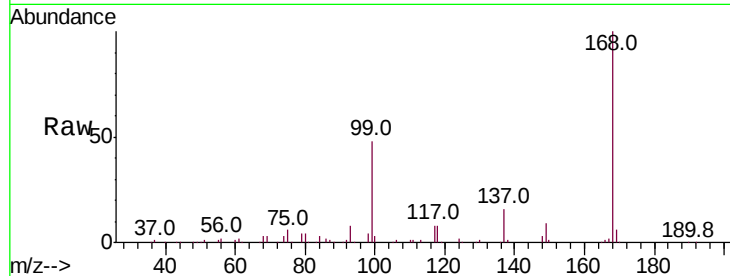




#36
 1,1-Dichloropropene
 Concen: 3.722 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053864.D
 Acq: 19 Feb 2019 12:55

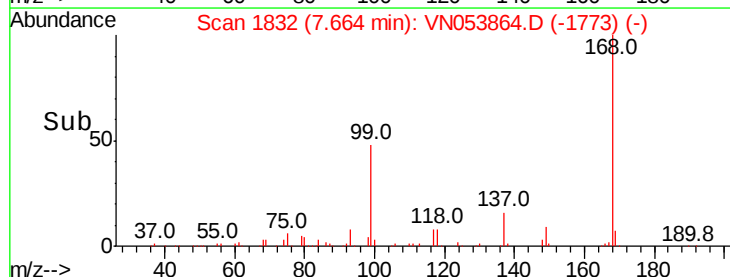
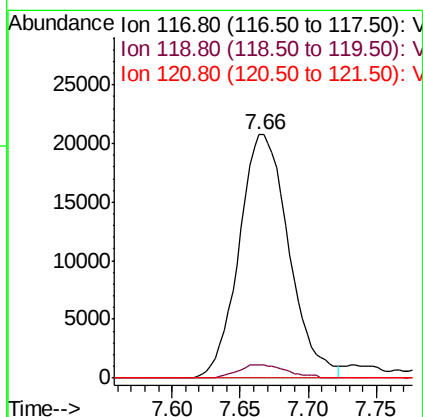
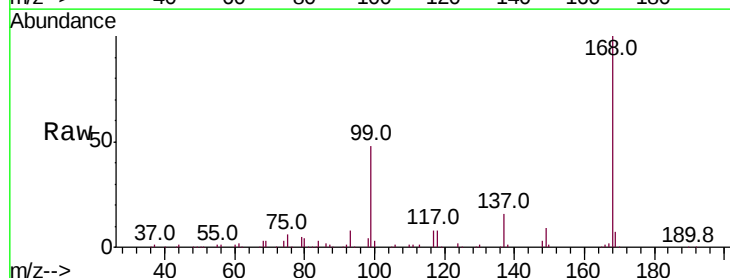
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-MH-C05

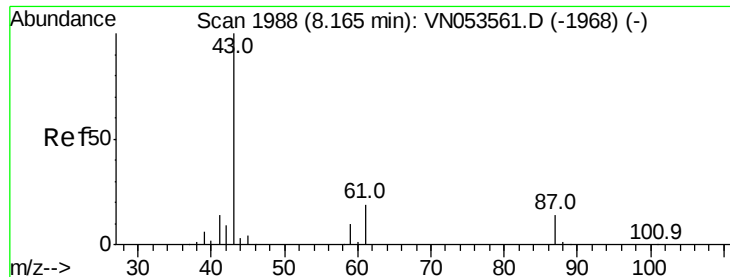
Tot Ion: 75 Resp: 38464
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.1 54.3#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.053 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN053864.D
 Acq: 19 Feb 2019 12:55

Tgt Ion: 117 Resp: 52612
 Ion Ratio Lower Upper
 117 100
 119 5.4 77.2 115.8#
 121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 3.225 ug/l

RT: 8.18 min Scan# 1992

Delta R.T. 0.01 min

Lab File: VN053864.D

Acq: 19 Feb 2019 12:55

Instrument :

MSVOA_N

ClientSampled :

TP-MH-C05

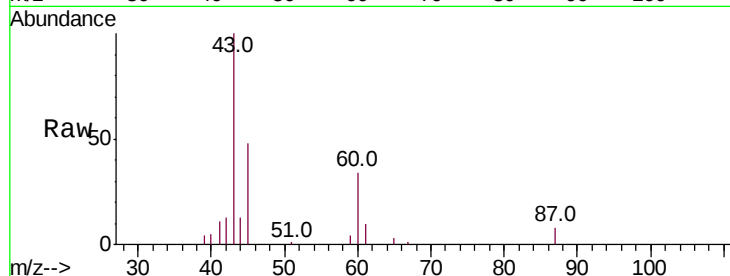
Tot Ion: 43 Resp: 35948

Ion Ratio Lower Upper

43 100

61 15.7 23.9 35.9#

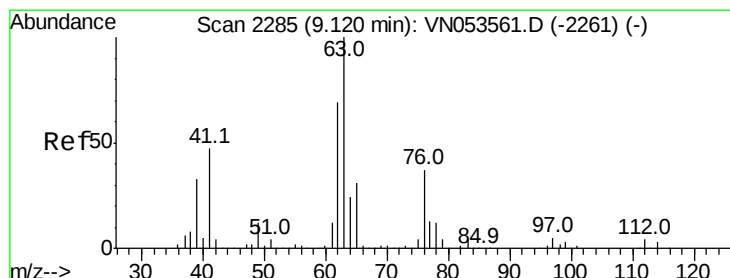
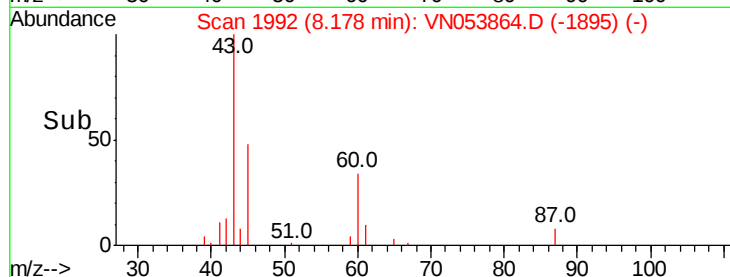
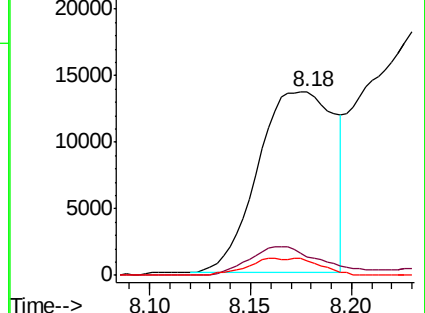
87 8.7 11.0 16.6#



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



#45

1,2-Dichloropropane

Concen: 0.201 ug/l

RT: 9.26 min Scan# 2330

Delta R.T. 0.14 min

Lab File: VN053864.D

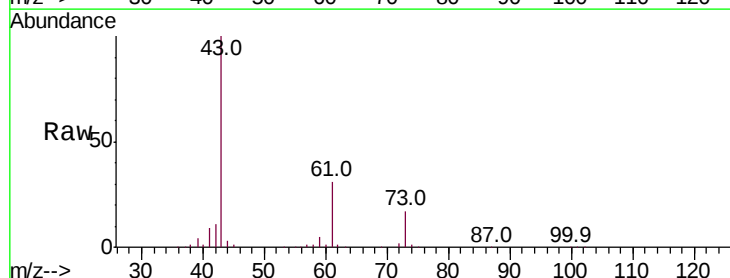
Acq: 19 Feb 2019 12:55

Tgt Ion: 63 Resp: 1637

Ion Ratio Lower Upper

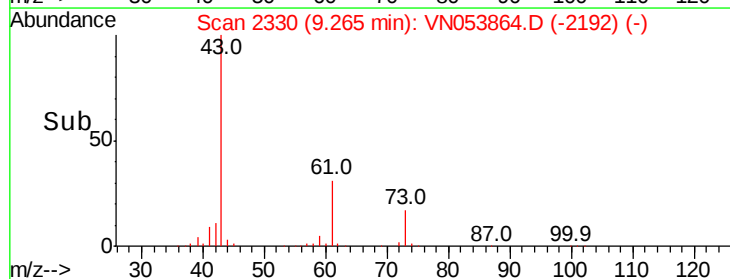
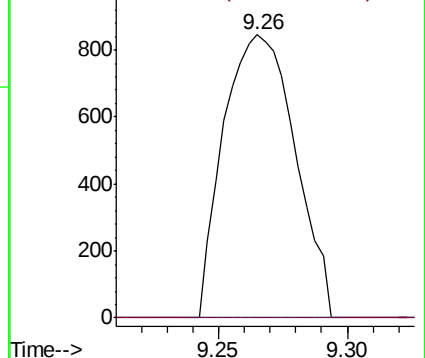
63 100

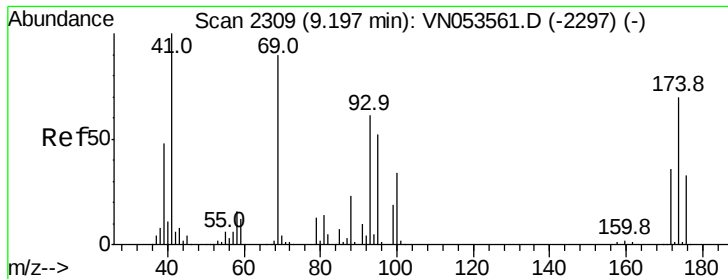
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

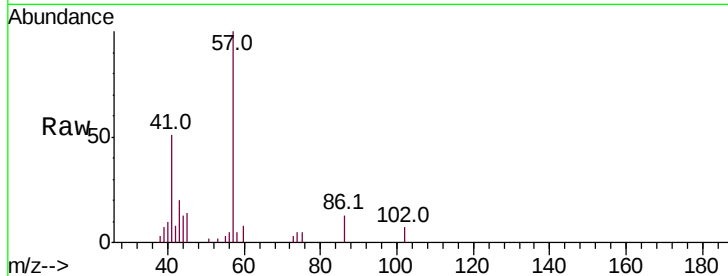




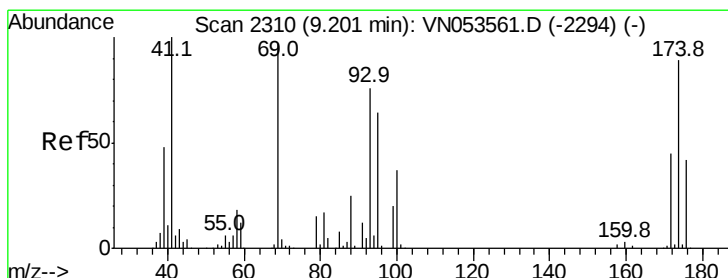
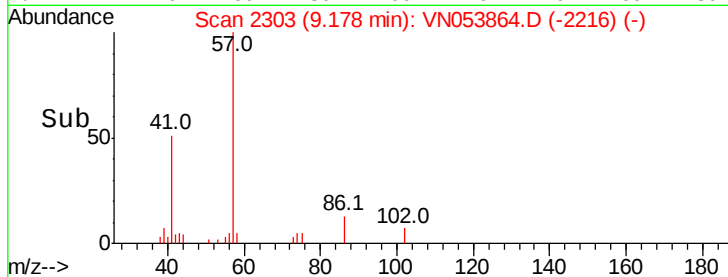
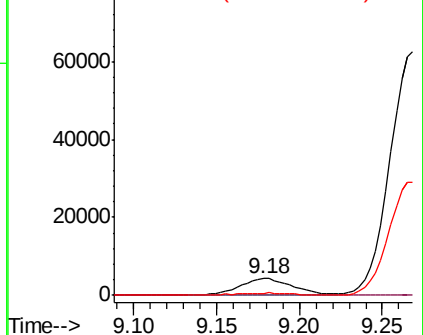
#48
Methyl methacrylate
Concen: 1.828 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN053864.D
Acq: 19 Feb 2019 12:55

Instrument :
MSVOA_N
ClientSampled :
TP-MH-C05

Tot Ion: 41 Resp: 9729
Ion Ratio Lower Upper
41 100
69 0.0 73.8 110.6#
39 0.0 40.0 60.0#

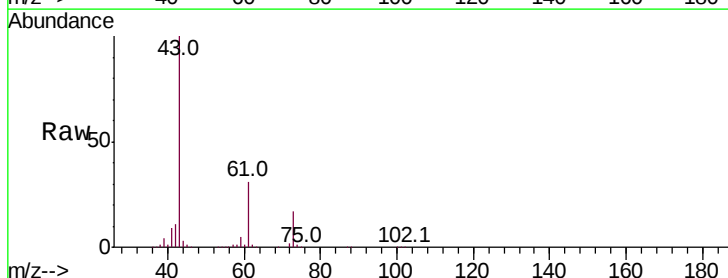


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

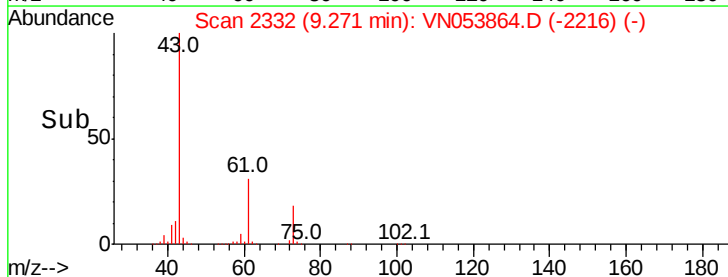
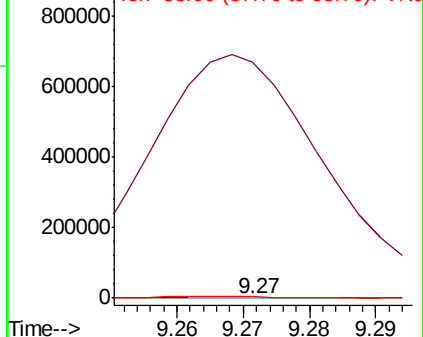


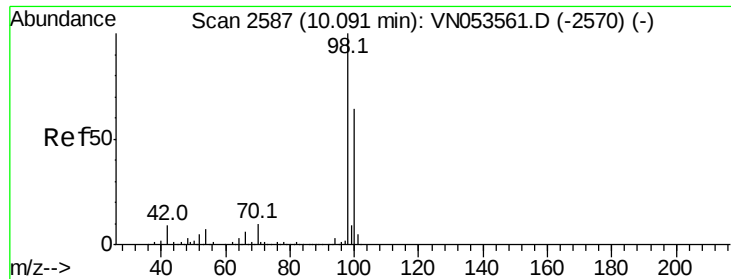
#49
1,4-Dioxane
Concen: 40.818 ug/l
RT: 9.27 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN053864.D
Acq: 19 Feb 2019 12:55

Tgt Ion: 88 Resp: 138
Ion Ratio Lower Upper
88 100
43 1025858.0 27.8 41.6#
58 5464.5 56.5 84.7#



Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC

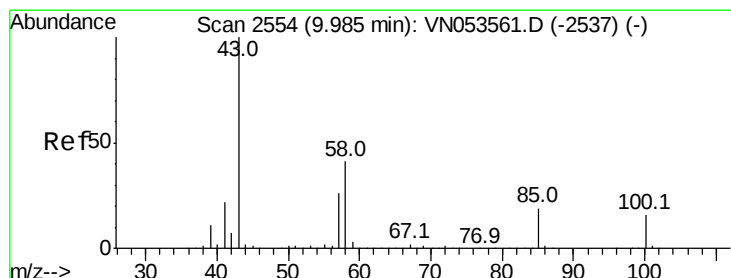
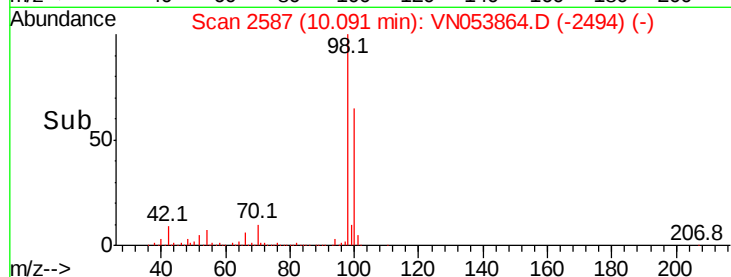
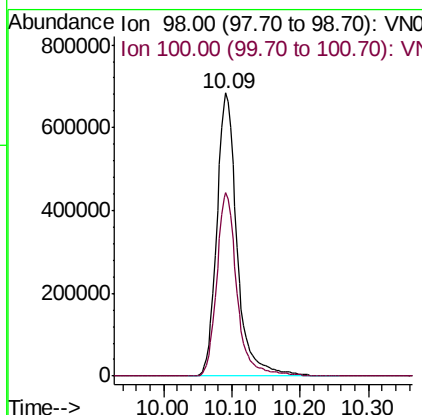
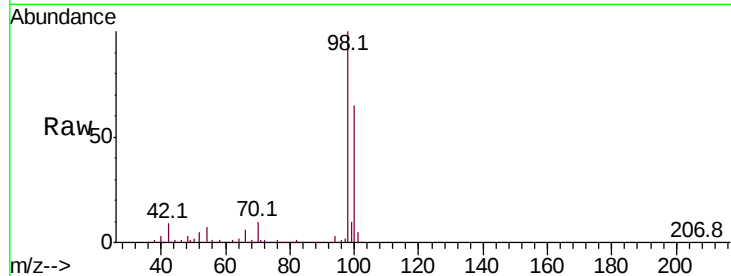




#50
Toluene-d8
Concen: 51.883 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053864.D
Acq: 19 Feb 2019 12:55

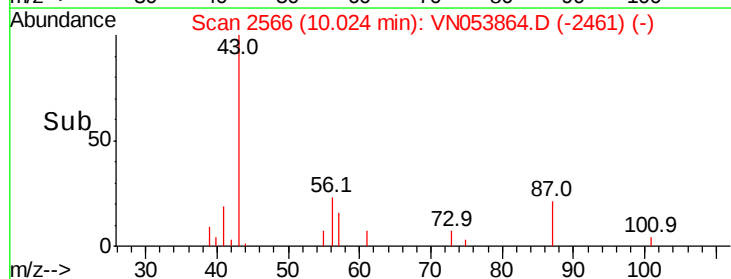
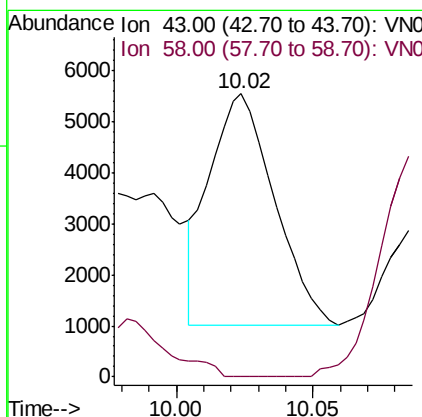
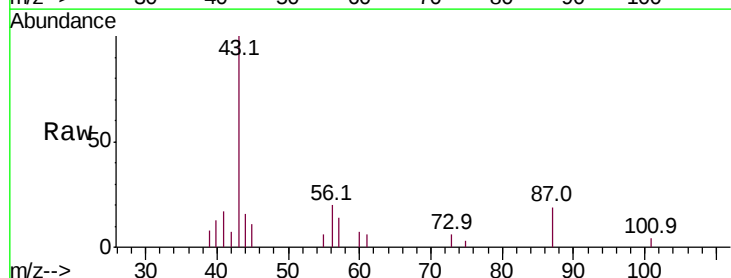
Instrument :
MSVOA_N
ClientSampleId :
TP-MH-C05

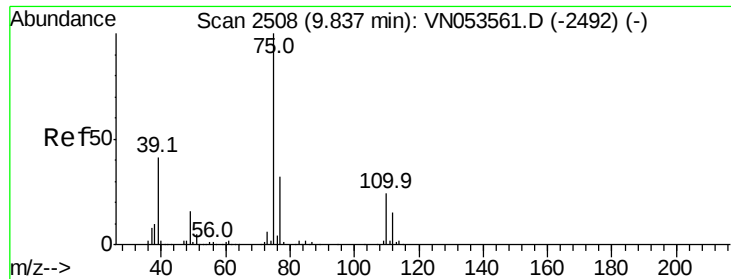
Tot Ion: 98 Resp: 1411284
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.367 ug/l
RT: 10.02 min Scan# 2566
Delta R.T. 0.04 min
Lab File: VN053864.D
Acq: 19 Feb 2019 12:55

Tgt Ion: 43 Resp: 7489
Ion Ratio Lower Upper
43 100
58 0.0 32.8 49.2#





#54

cis-1,3-Dichloropropene

Concen: 5.176 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053864.D

Acq: 19 Feb 2019 12:55

Instrument :

MSVOA_N

ClientSampled :

TP-MH-C05

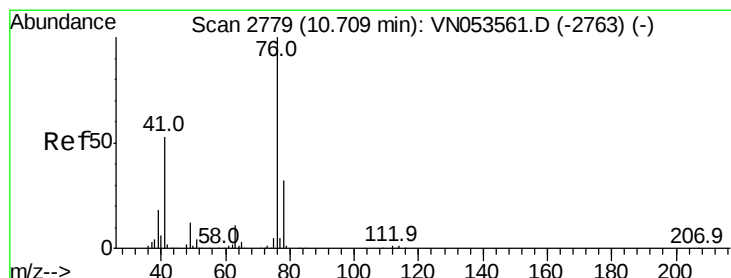
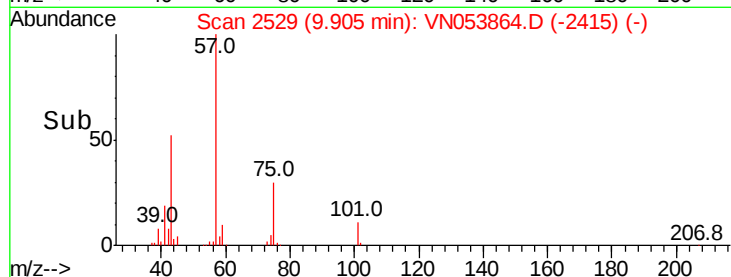
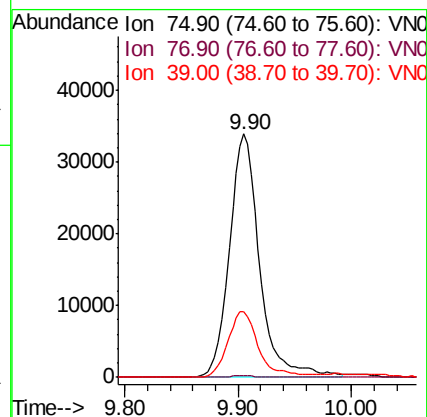
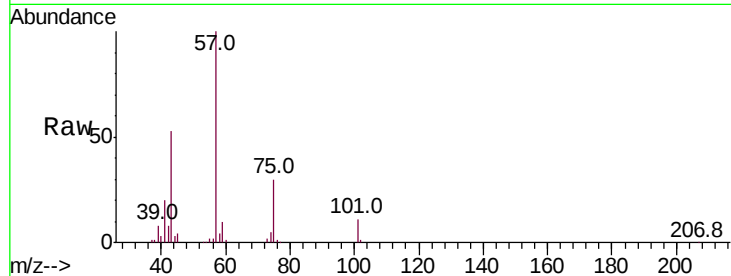
Tot Ion: 75 Resp: 62755

Ion Ratio Lower Upper

75 100

77 0.6 25.8 38.6#

39 27.0 33.4 50.0#



#57

1,3-Dichloropropane

Concen: 1.012 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN053864.D

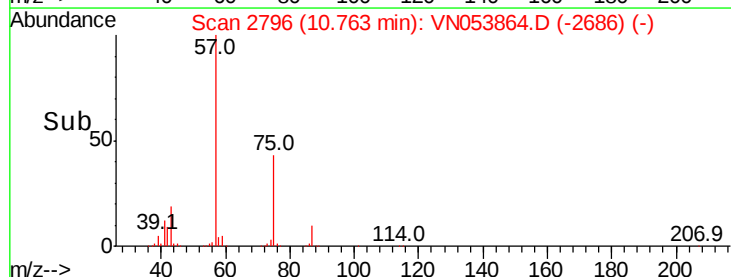
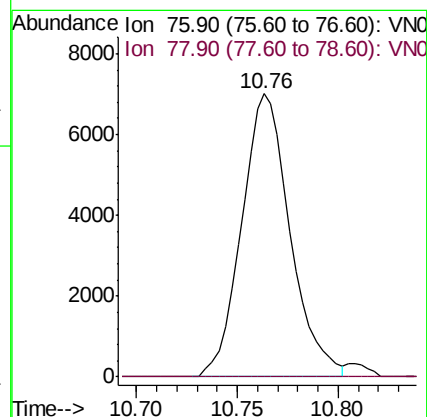
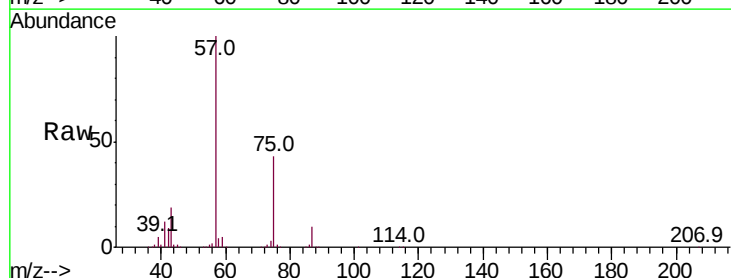
Acq: 19 Feb 2019 12:55

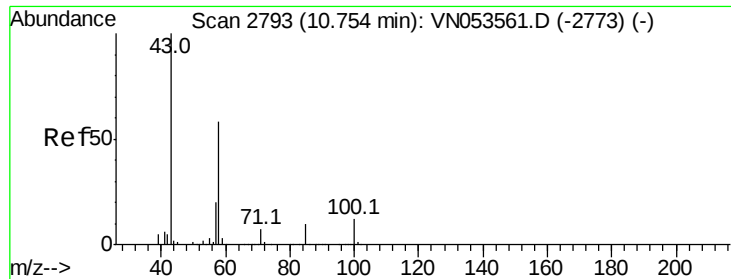
Tgt Ion: 76 Resp: 11784

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#

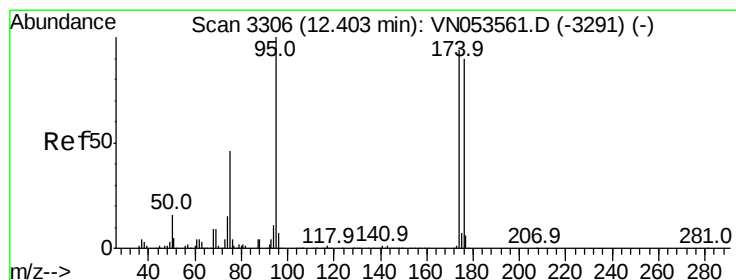
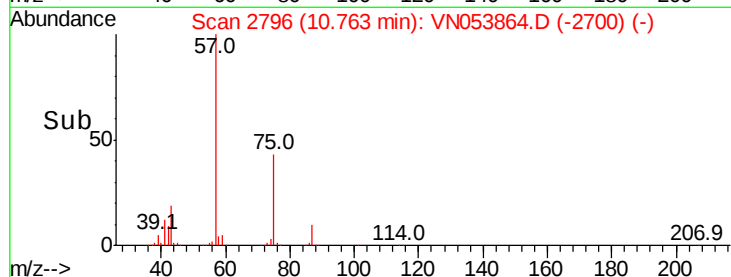
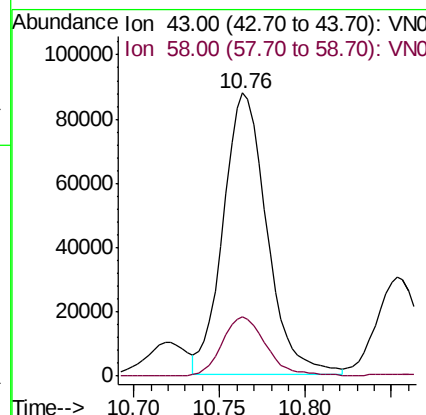
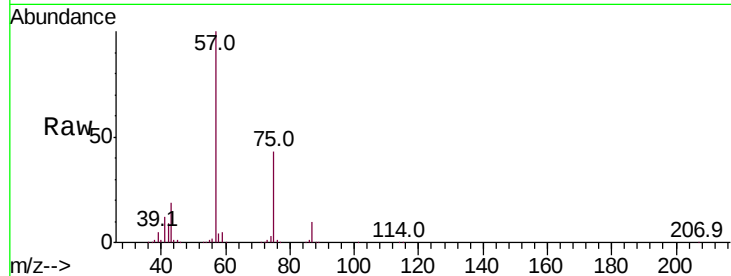




#59
2-Hexanone
Concen: 41.901 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053864.D
Acq: 19 Feb 2019 12:55

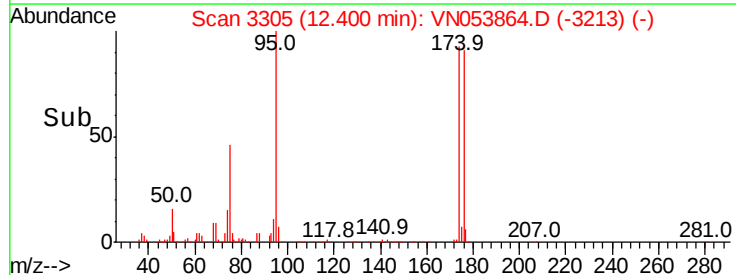
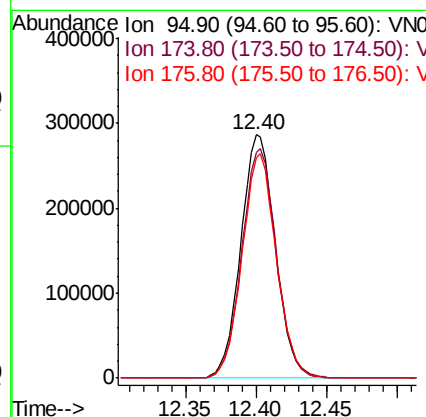
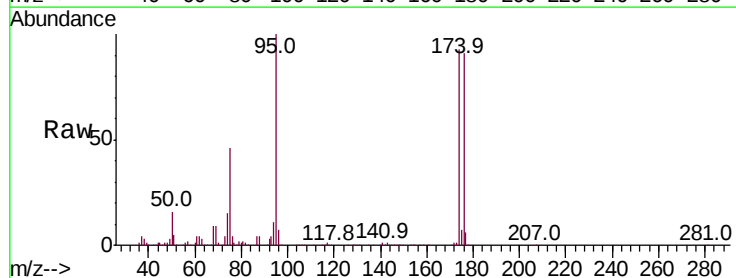
Instrument :
MSVOA_N
ClientSampleId :
TP-MH-C05

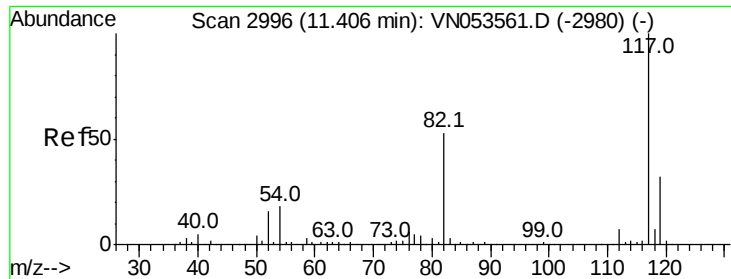
Tot Ion: 43 Resp: 155817
Ion Ratio Lower Upper
43 100
58 21.4 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: 54.067 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053864.D
Acq: 19 Feb 2019 12:55

Tgt Ion: 95 Resp: 490498
Ion Ratio Lower Upper
95 100
174 94.8 0.0 183.2
176 91.6 0.0 177.4

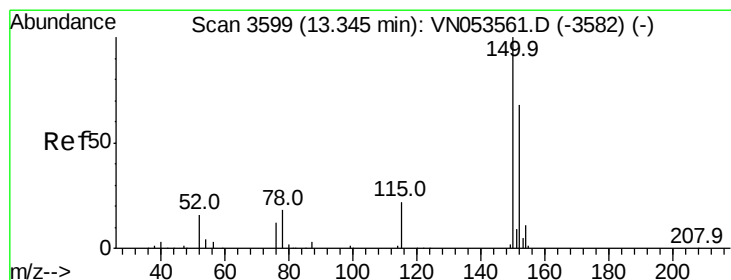
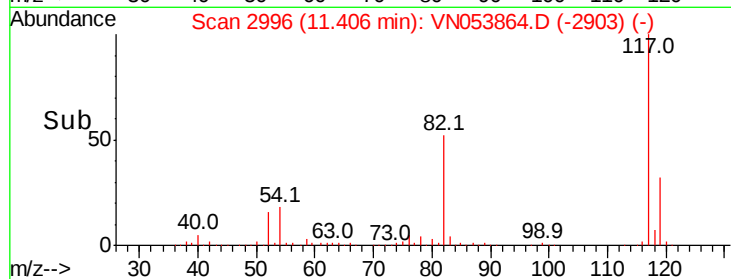
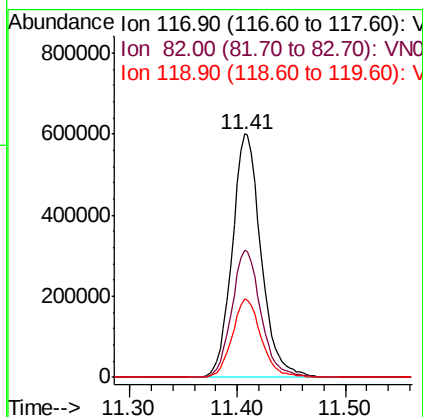
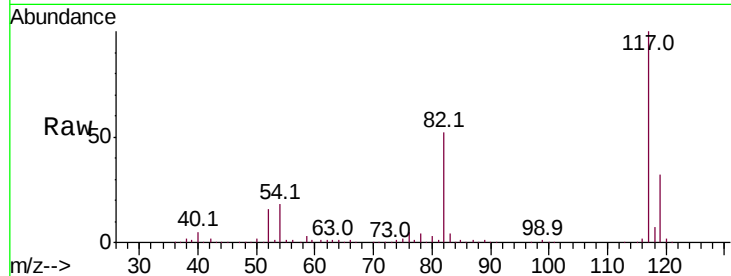




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN053864.D
 Acq: 19 Feb 2019 12:55

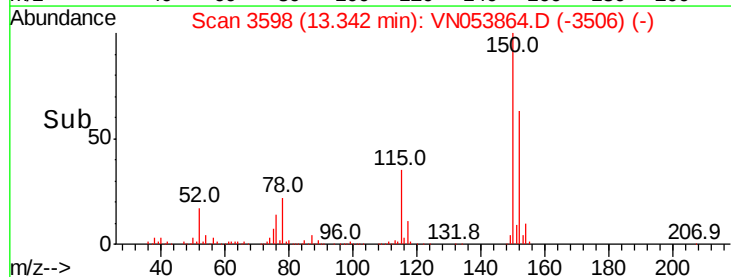
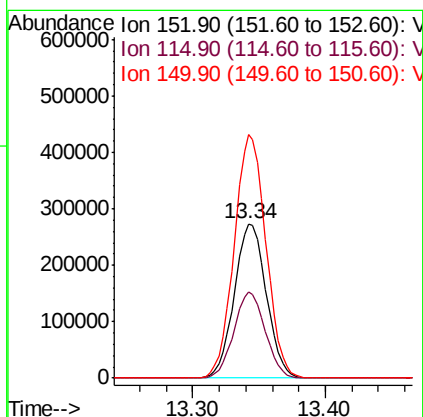
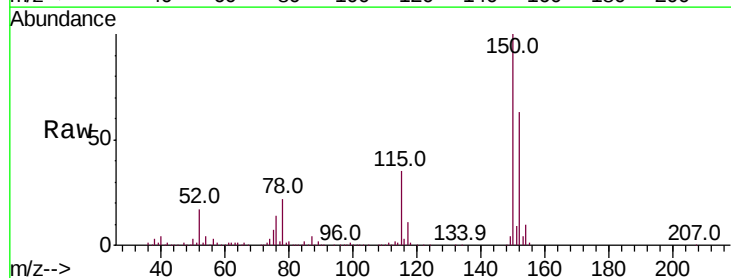
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-MH-C05

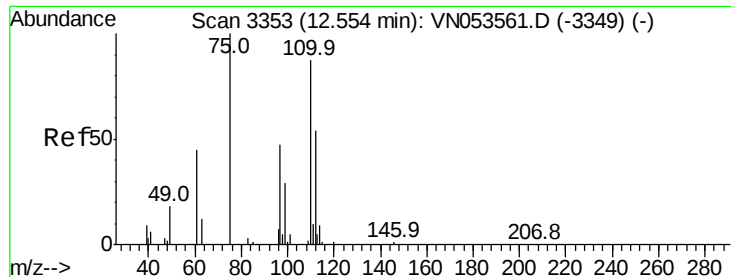
Tot Ion:117 Resp: 1119336
 Ion Ratio Lower Upper
 117 100
 82 52.3 42.9 64.3
 119 32.0 26.0 39.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN053864.D
 Acq: 19 Feb 2019 12:55

Tgt Ion:152 Resp: 456686
 Ion Ratio Lower Upper
 152 100
 115 54.7 27.8 83.4
 150 156.6 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 38.711 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053864.D

Acq: 19 Feb 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

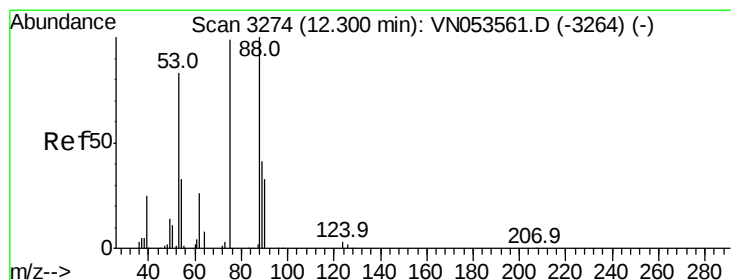
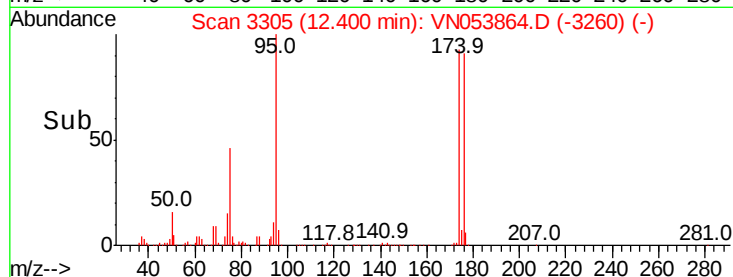
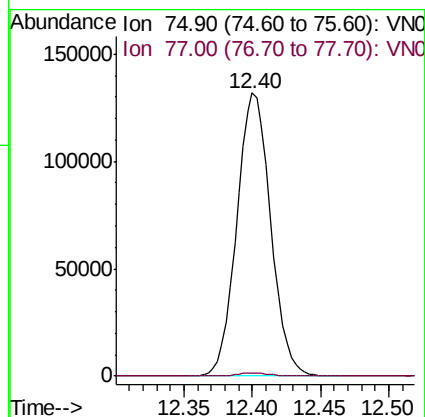
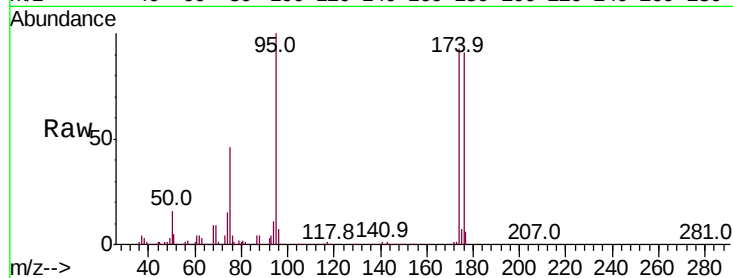
TP-MH-C05

Tot Ion: 75 Resp: 227074

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 108.853 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053864.D

Acq: 19 Feb 2019 12:55

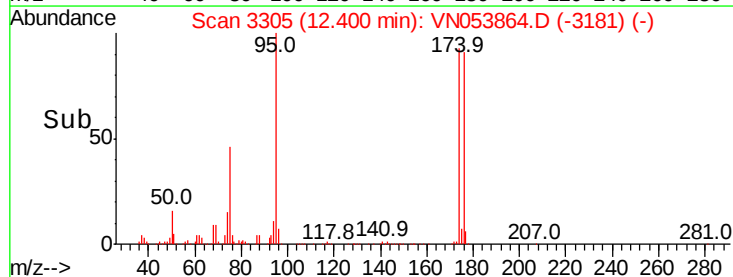
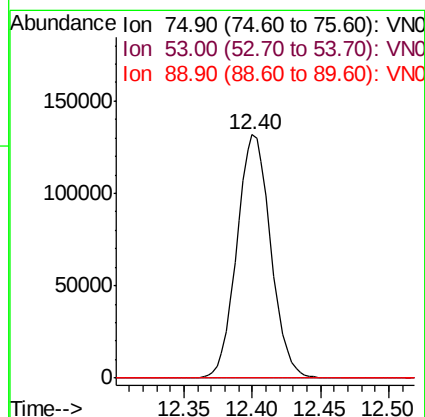
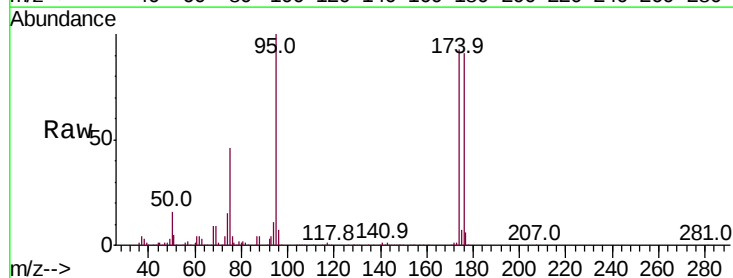
Tgt Ion: 75 Resp: 227074

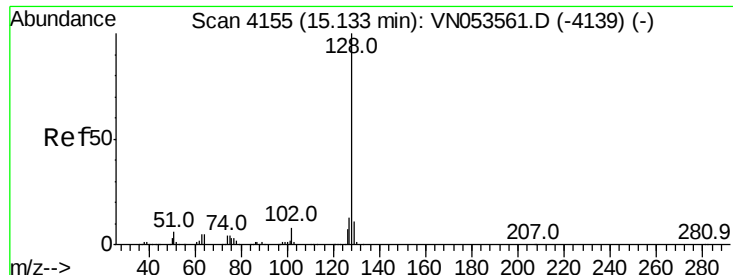
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#





#95

Naphthalene

Concen: 1.754 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN053864.D

Acq: 19 Feb 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

TP-MH-C05

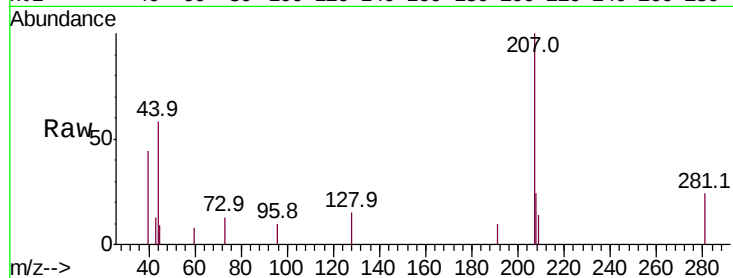
Tot Ion:128 Resp: 378

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#



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

