

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\
 Data File : VN060862.D
 Acq On : 6 Apr 2020 19:21
 Operator : JC/MD
 Sample : L2146-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-65-COMP

Quant Time: Apr 07 07:07:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	341870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	321678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	146838	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	133036	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
35) Dibromofluoromethane	7.56	113	100592	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
50) Toluene-d8	10.08	98	423587	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.40	95	159345	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	

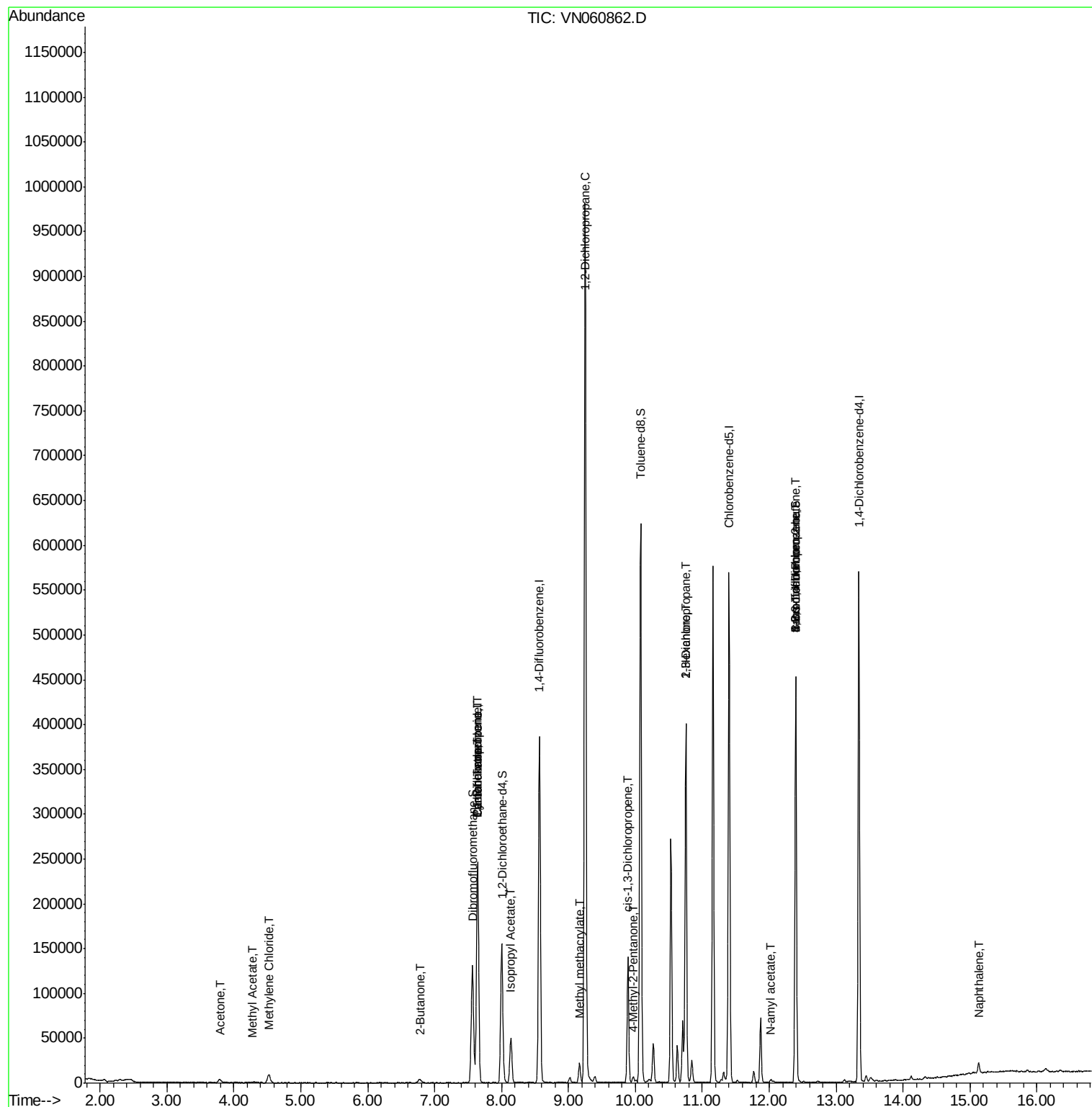
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	7468	7.607	ug/l	95
18) Methyl Acetate	4.28	43	592	0.214	ug/l #	54
20) Methylene Chloride	4.52	84	6991	2.895	ug/l	96
25) 2-Butanone	6.80	43	643	0.405	ug/l #	50
31) Cyclohexane	7.64	56	3937	0.882	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15927	4.811	ug/l #	51
38) Carbon Tetrachloride	7.64	117	19382	6.533	ug/l #	16
43) Isopropyl Acetate	8.14	43	60425	10.243	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1162	0.441	ug/l #	43
48) Methyl methacrylate	9.16	41	3202	1.219	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4968	1.480	ug/l	93
54) cis-1,3-Dichloropropene	9.89	75	24485	5.865	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	3997	0.992	ug/l #	42
59) 2-Hexanone	10.75	43	59859	24.755	ug/l #	51
71) Bromoform	12.39	173	195	1.779	ug/l #	1
74) N-amyl acetate	12.02	43	2818	0.553	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	80167	25.302	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	80167	64.982	ug/l #	13
95) Naphthalene	15.13	128	10341	1.250	ug/l	97

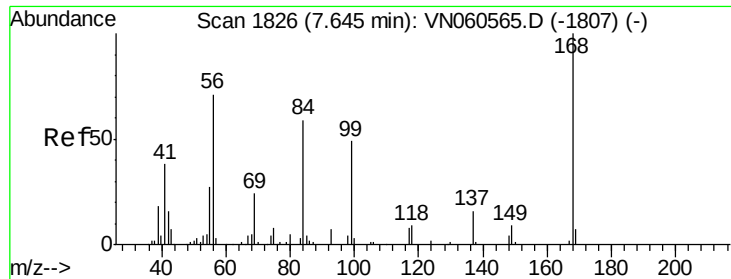
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

Instrument :

MSVOA_N

ClientSampleId :

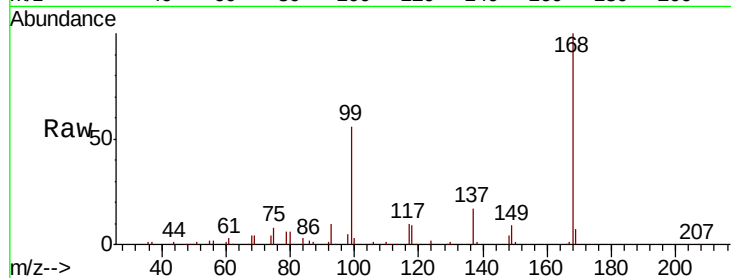
TP-65-COMP

Tot Ion:168 Resp: 201887

Ion Ratio Lower Upper

168 100

99 56.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060565.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN060565.D (-1807) (-)

7.64

80000

60000

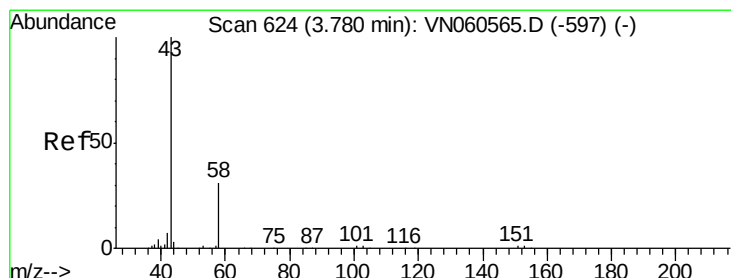
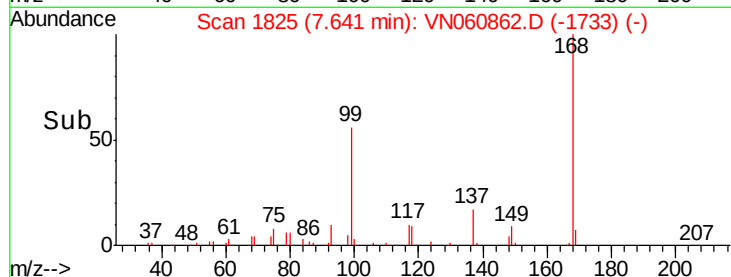
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 7.607 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060862.D

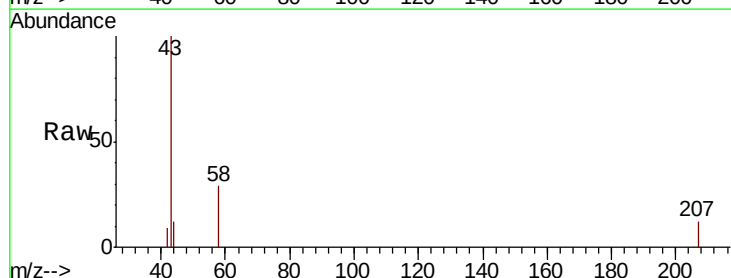
Acq: 6 Apr 2020 19:21

Tgt Ion: 43 Resp: 7468

Ion Ratio Lower Upper

43 100

58 28.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-597) (-)

3.79

3000

2500

2000

1500

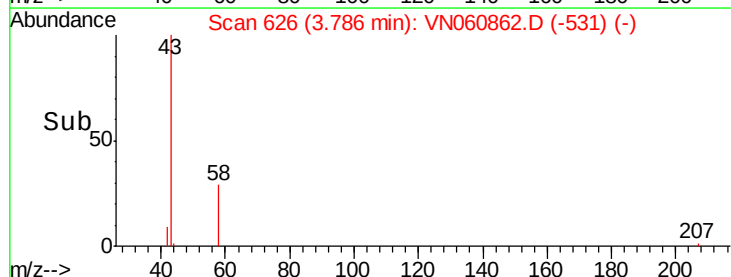
1000

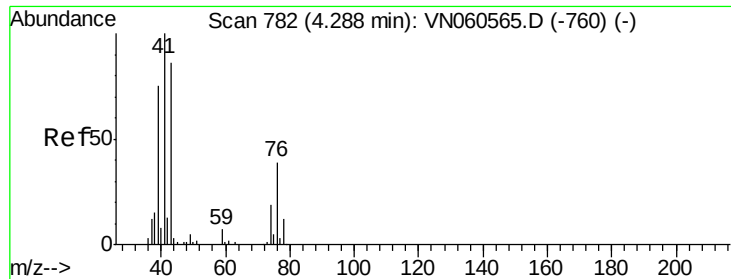
500

0

3.70 3.75 3.80 3.85

Time-->

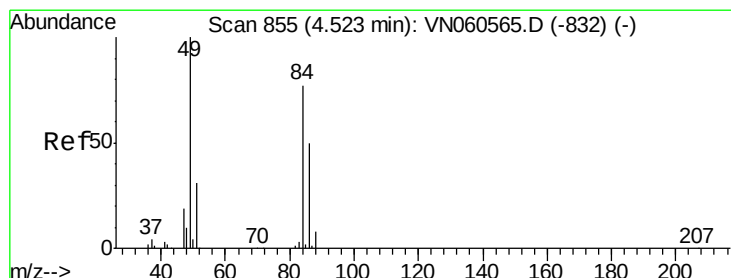
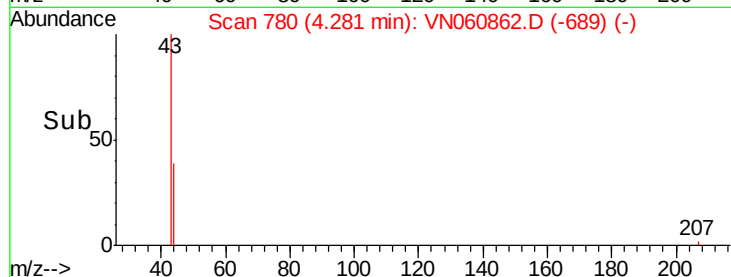
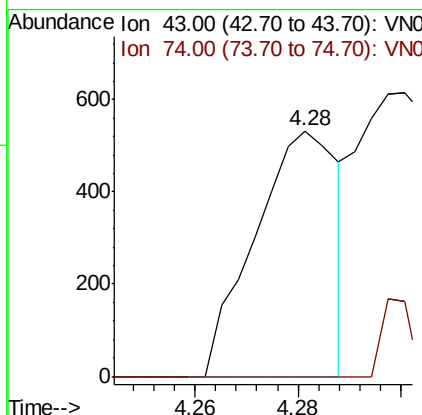
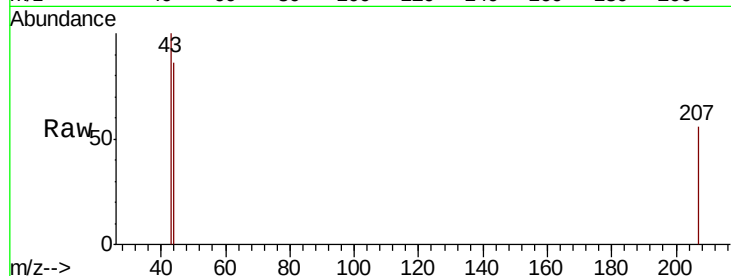




#18
Methyl Acetate
Concen: 0.214 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.01 min
Lab File: VN060862.D
Acq: 6 Apr 2020 19:21

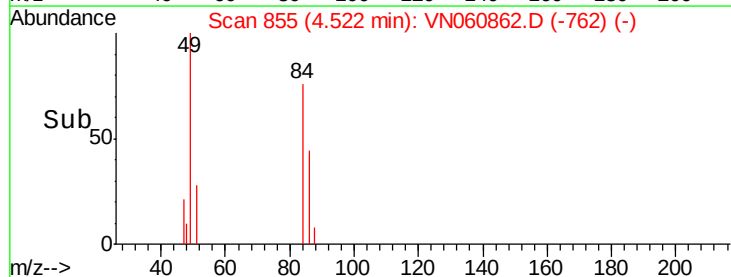
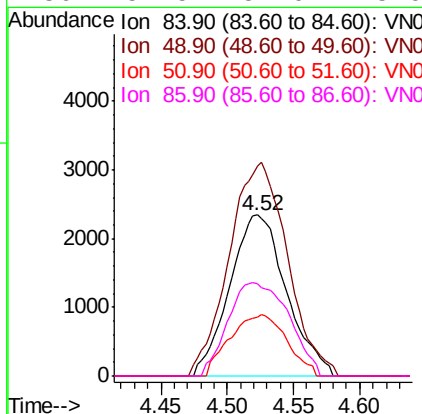
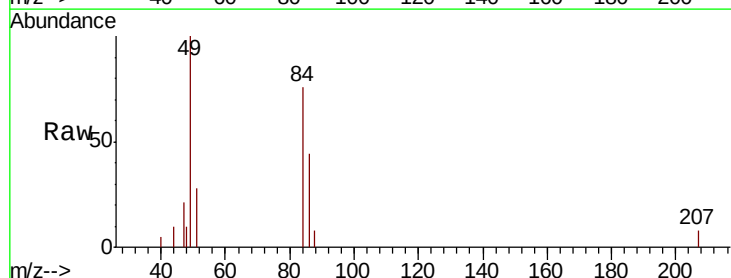
Instrument :
MSVOA_N
ClientSampleId :
TP-65-COMP

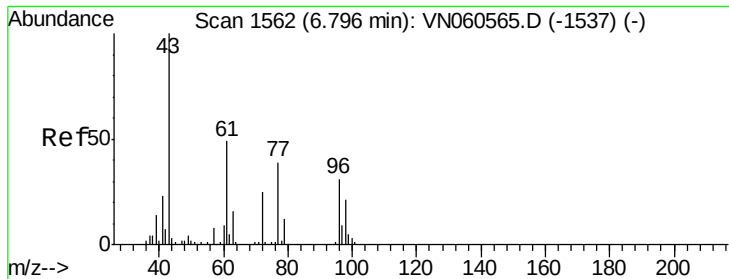
Tot Ion: 43 Resp: 592
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 2.895 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060862.D
Acq: 6 Apr 2020 19:21

Tgt Ion: 84 Resp: 6991
Ion Ratio Lower Upper
84 100
49 130.9 103.3 154.9
51 36.9 31.6 47.4
86 57.5 52.0 78.0





#25

2-Butanone

Concen: 0.405 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

Instrument :

MSVOA_N

ClientSampleId :

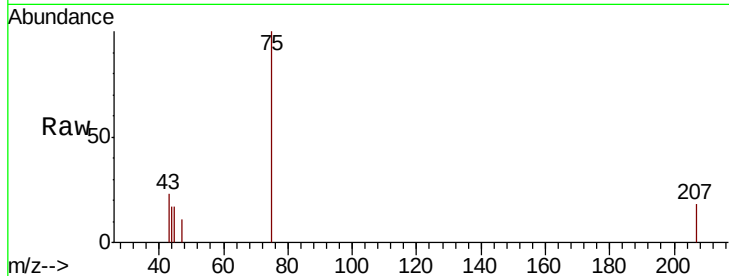
TP-65-COMP

Tot Ion: 43 Resp: 643

Ion Ratio Lower Upper

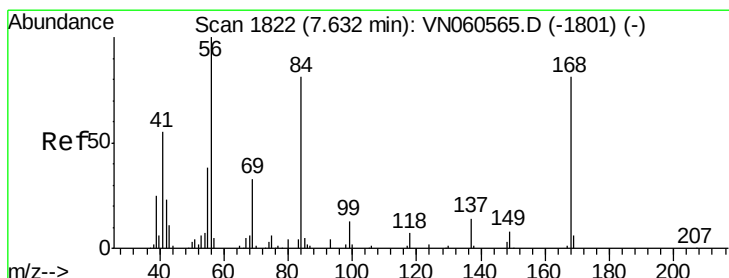
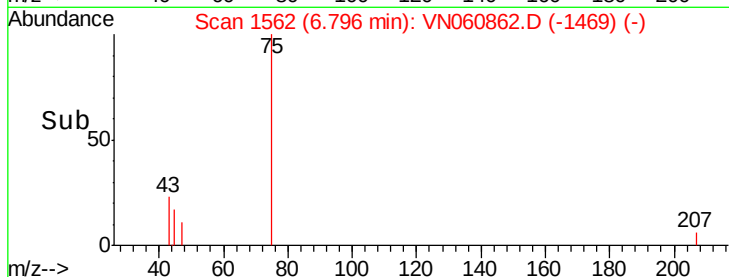
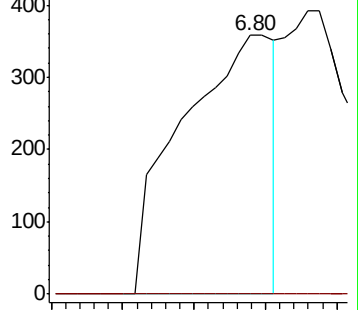
43 100

72 0.0 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 0.882 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

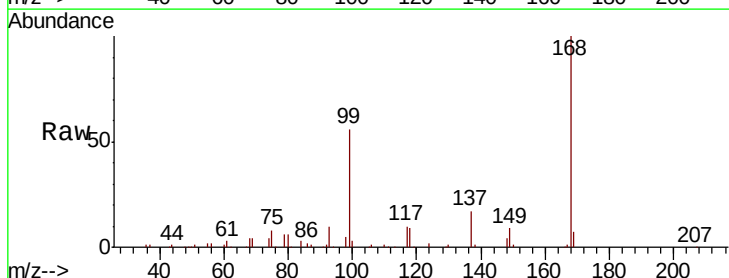
Tgt Ion: 56 Resp: 3937

Ion Ratio Lower Upper

56 100

69 194.9 26.6 40.0#

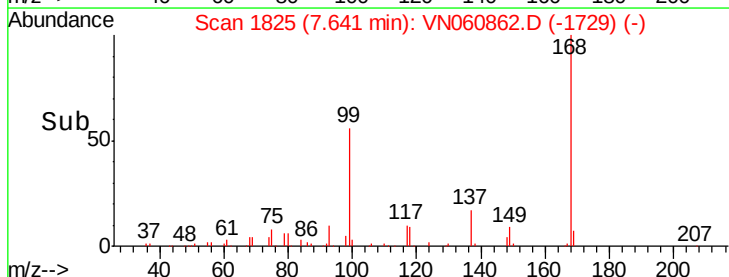
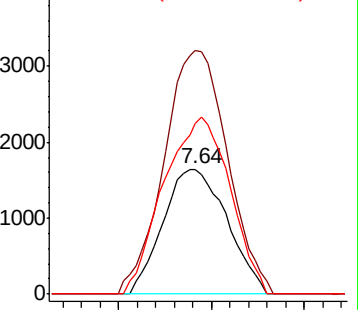
84 137.0 64.3 96.5#

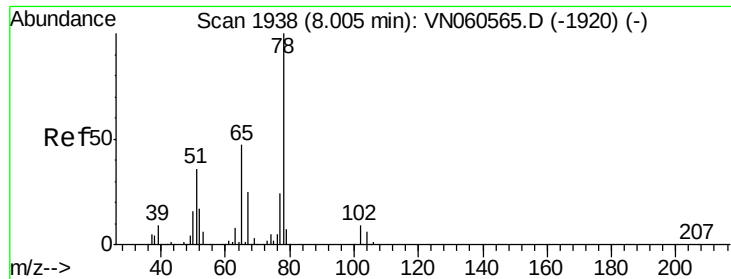


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

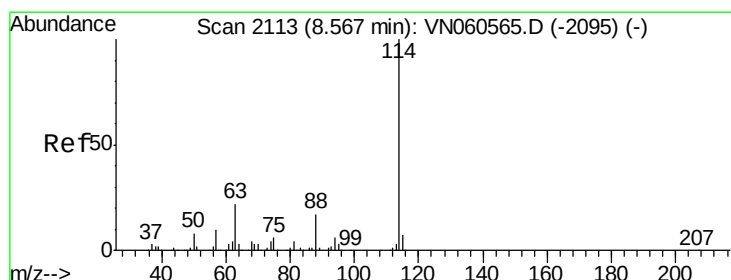
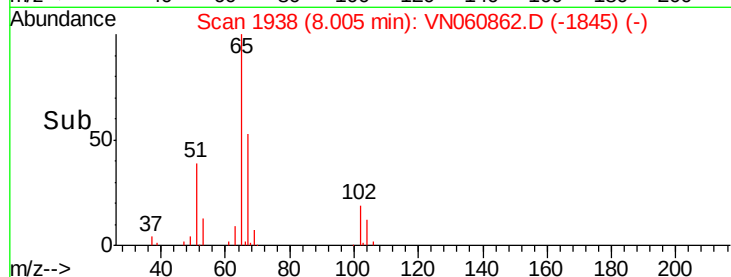
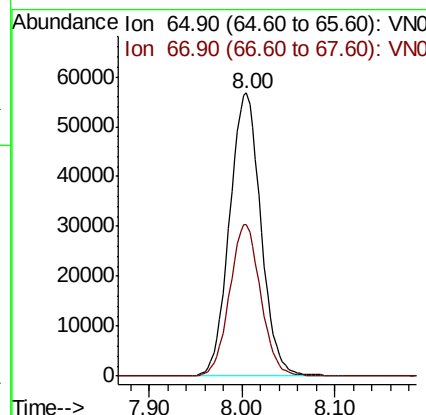
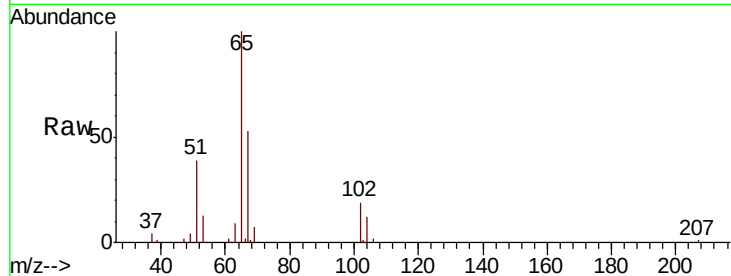




#33
 1,2-Dichloroethane-d4
 Concen: 48.002 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060862.D
 Acq: 6 Apr 2020 19:21

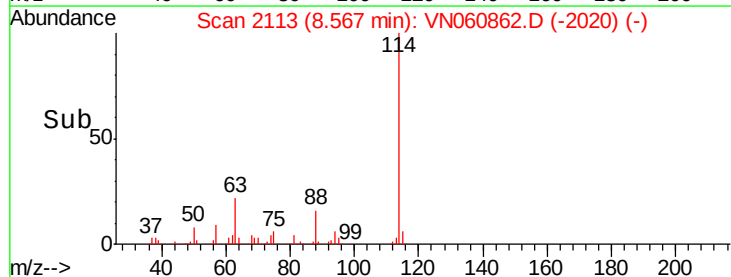
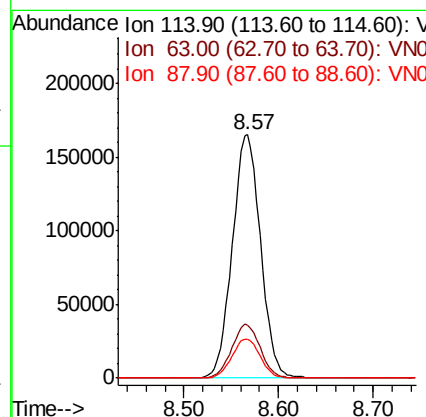
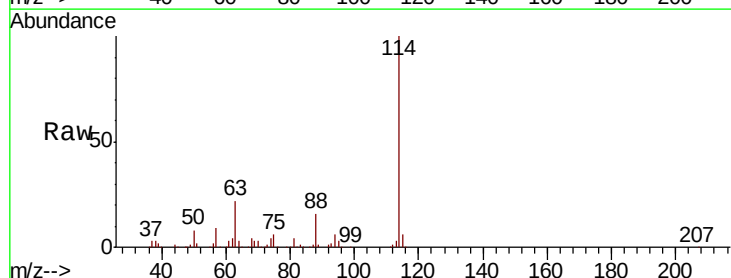
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-65-COMP

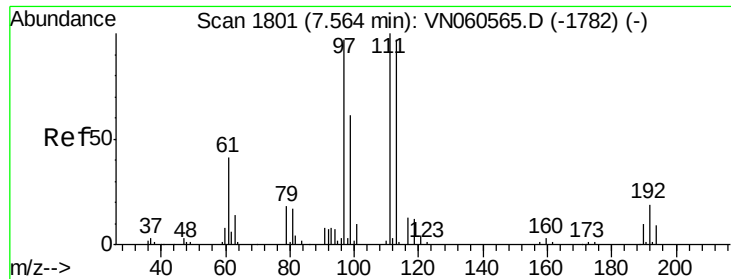
Tot Ion: 65 Resp: 133036
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060862.D
 Acq: 6 Apr 2020 19:21

Tgt Ion: 114 Resp: 341870
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.8
 88 16.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.661 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

Instrument :

MSVOA_N

ClientSampled :

TP-65-COMP

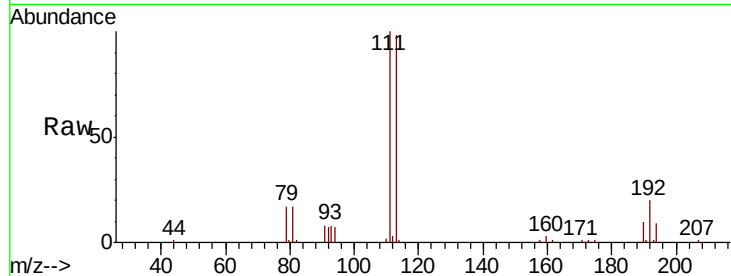
Tot Ion:113 Resp: 100592

Ion Ratio Lower Upper

113 100

111 102.5 82.9 124.3

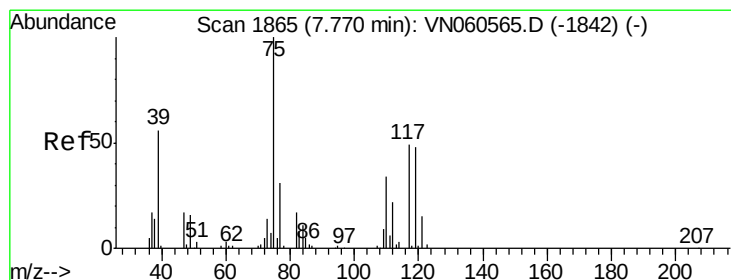
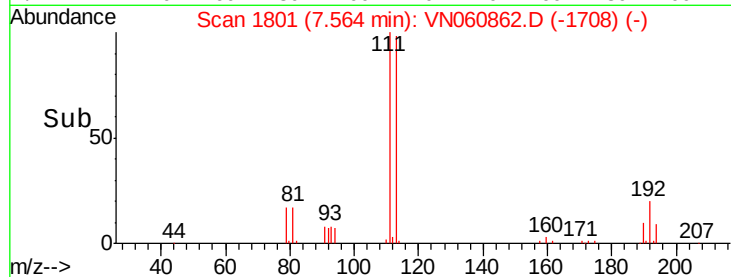
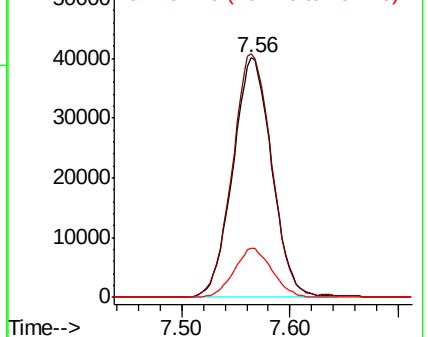
192 20.0 15.8 23.8



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: 4.811 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

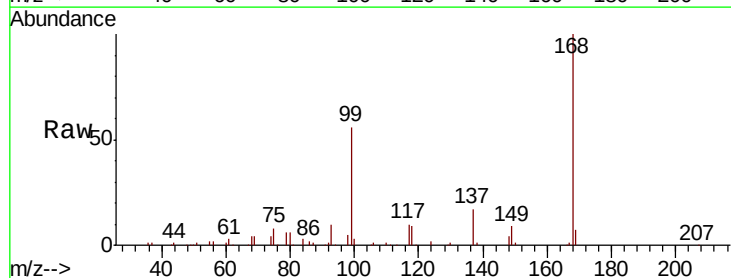
Tgt Ion: 75 Resp: 15927

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.6#

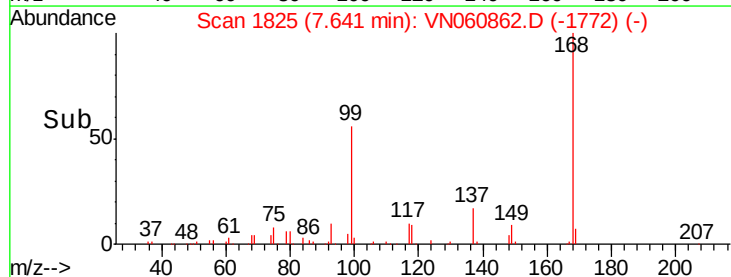
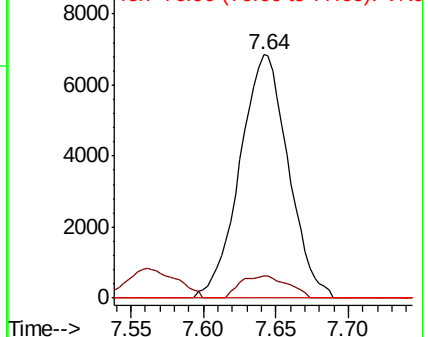
77 0.0 24.6 36.8#

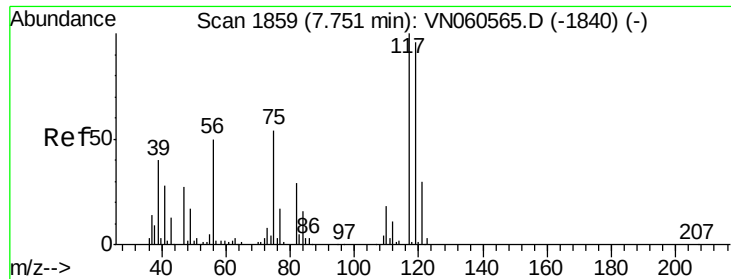


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 6.533 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

Instrument :

MSVOA_N

ClientSampled :

TP-65-COMP

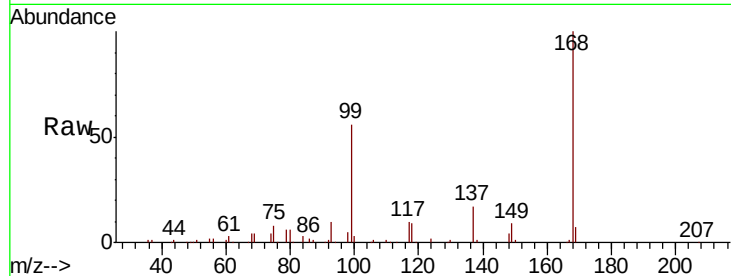
Tot Ion:117 Resp: 19382

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.2#

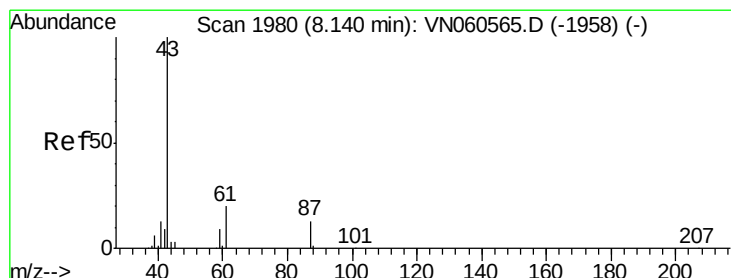
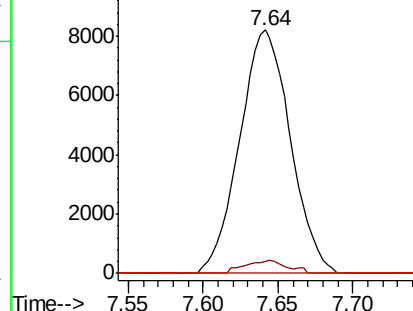
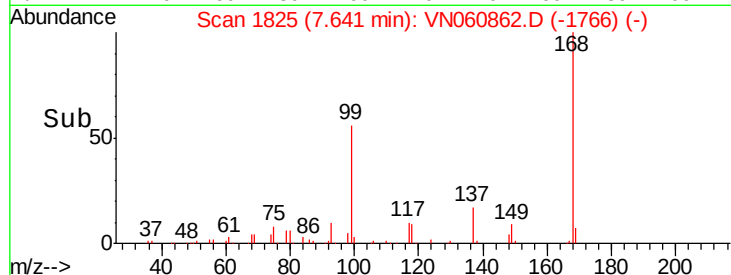
121 0.0 23.7 35.5#



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: 10.243 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

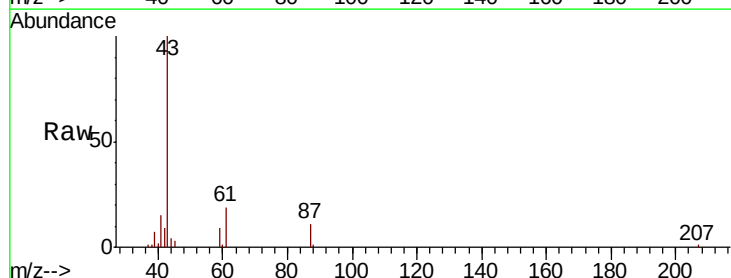
Tgt Ion: 43 Resp: 60425

Ion Ratio Lower Upper

43 100

61 19.0 20.7 31.1#

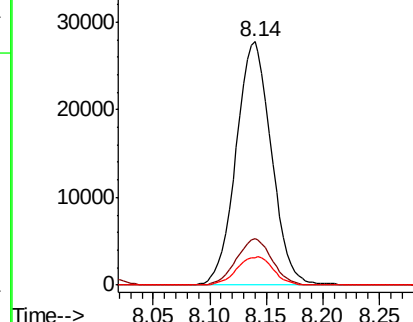
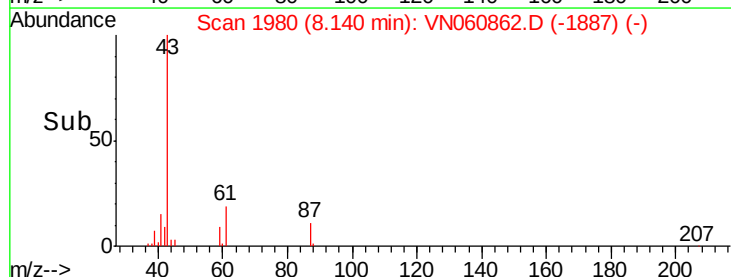
87 11.9 9.8 14.8

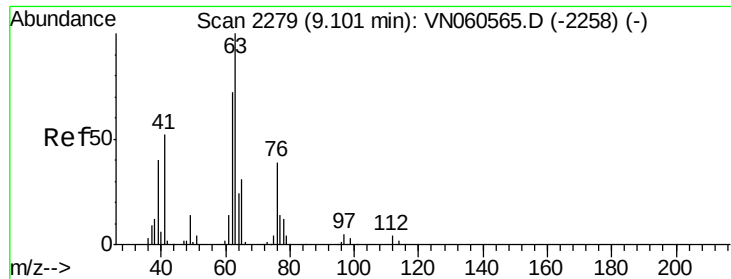


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.441 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

Instrument :

MSVOA_N

ClientSampled :

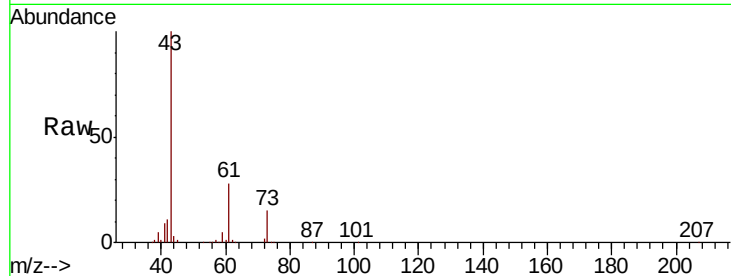
TP-65-COMP

Tot Ion: 63 Resp: 1162

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.25

800

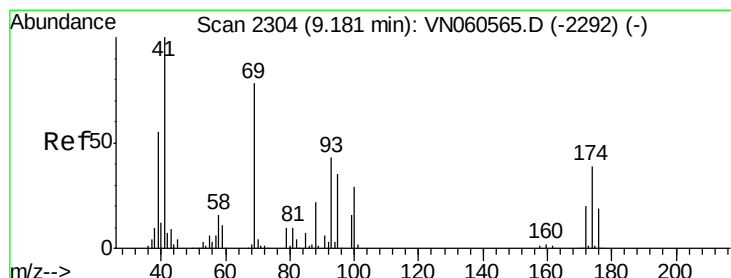
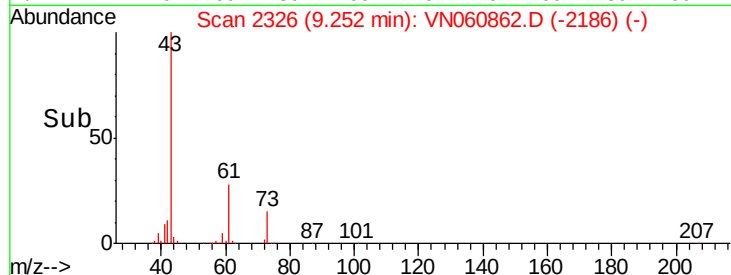
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 1.219 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

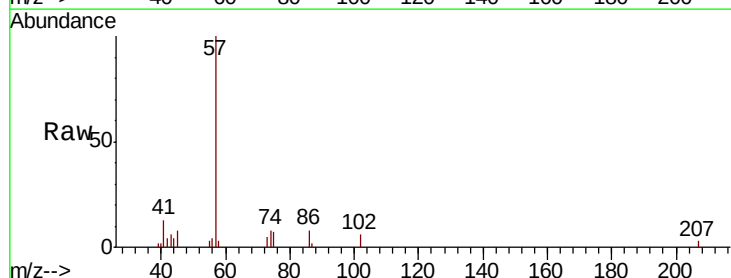
Tgt Ion: 41 Resp: 3202

Ion Ratio Lower Upper

41 100

69 0.0 65.4 98.0#

39 0.0 44.0 66.0#



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

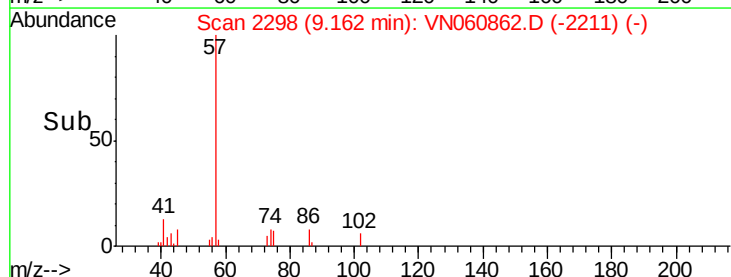
30000

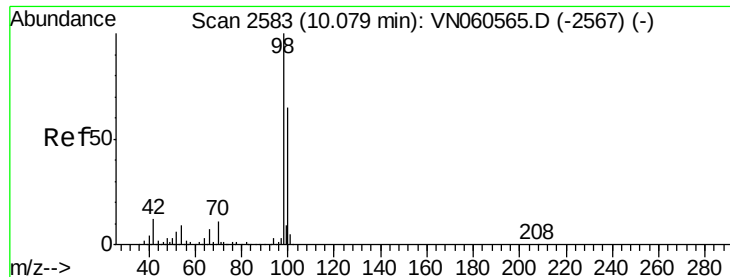
20000

10000

0

Time-->





#50

Toluene-d8

Concen: 50.167 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

Instrument :

MSVOA_N

ClientSampled :

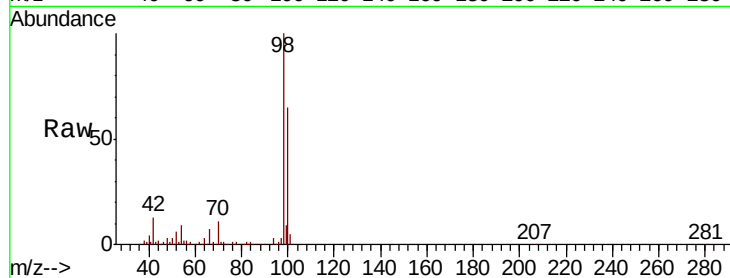
TP-65-COMP

Tot Ion: 98 Resp: 423587

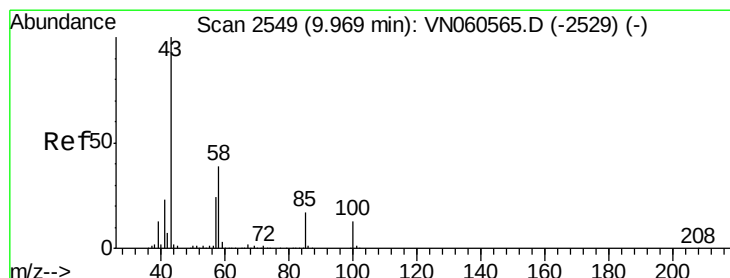
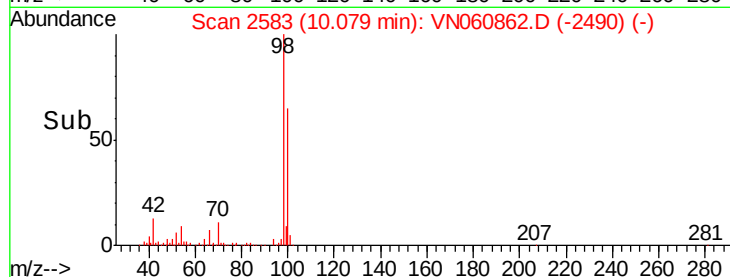
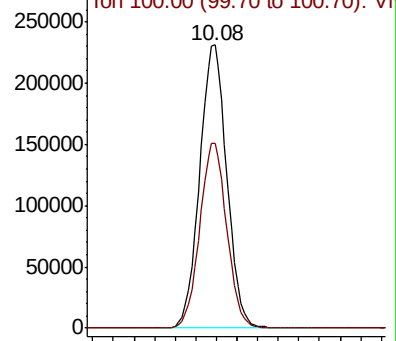
Ion Ratio Lower Upper

98 100

100 65.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060862.D (-2490) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.480 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060862.D

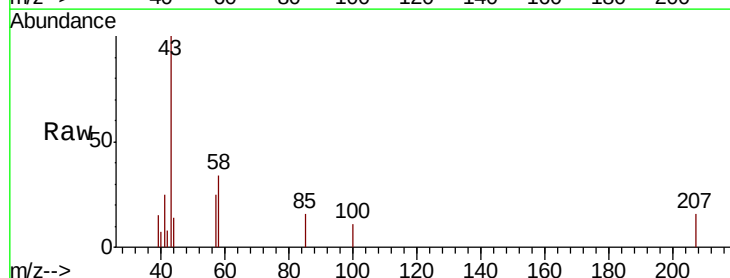
Acq: 6 Apr 2020 19:21

Tgt Ion: 43 Resp: 4968

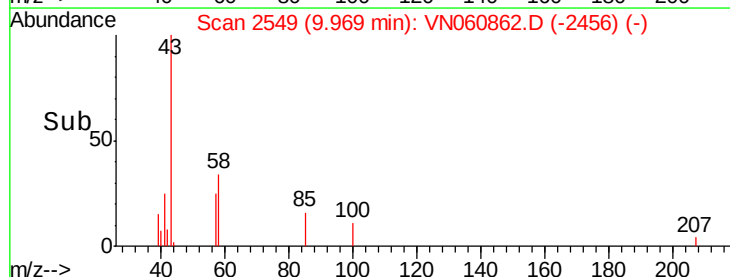
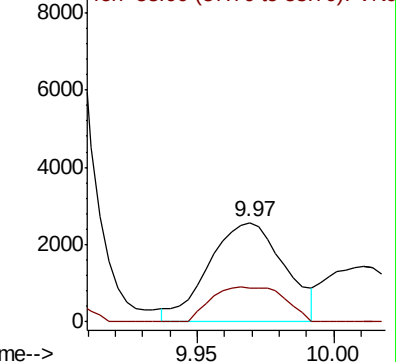
Ion Ratio Lower Upper

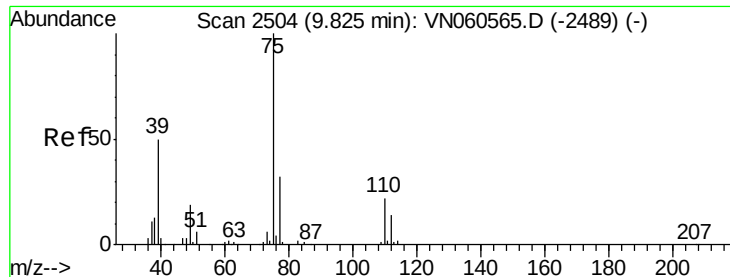
43 100

58 34.1 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060862.D (-2456) (-)





#54

cis-1,3-Dichloropropene

Concen: 5.865 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

Instrument :

MSVOA_N

ClientSampleId :

TP-65-COMP

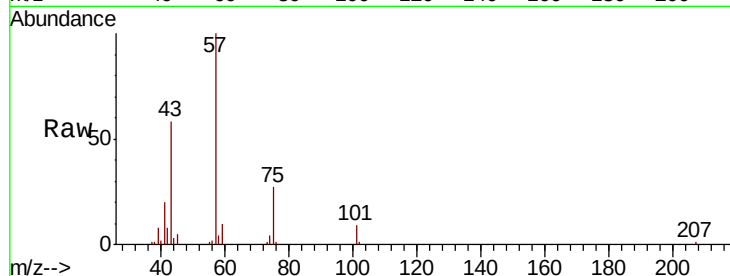
Tot Ion: 75 Resp: 24485

Ion Ratio Lower Upper

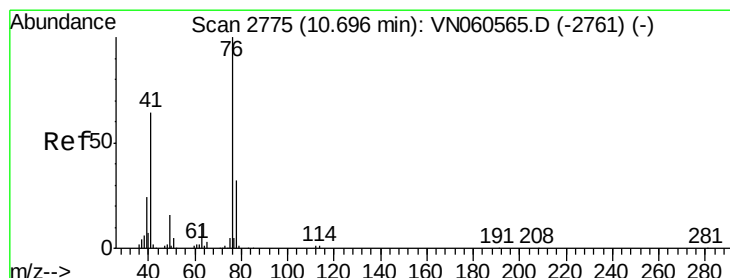
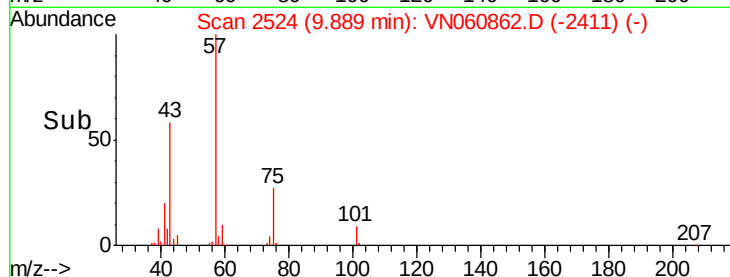
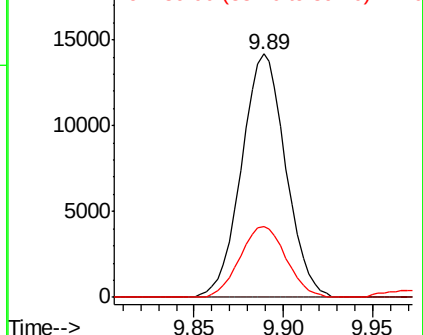
75 100

77 0.0 25.4 38.0#

39 29.2 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 76.90 (76.60 to 77.60): VN0
Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.992 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060862.D

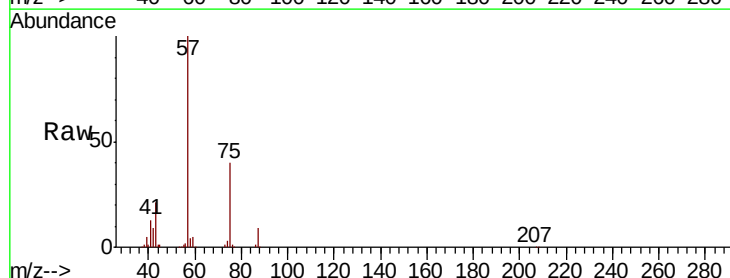
Acq: 6 Apr 2020 19:21

Tgt Ion: 76 Resp: 3997

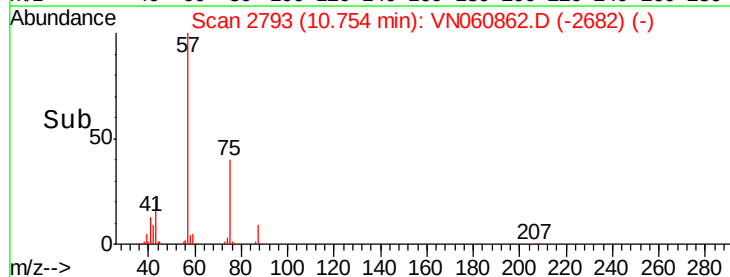
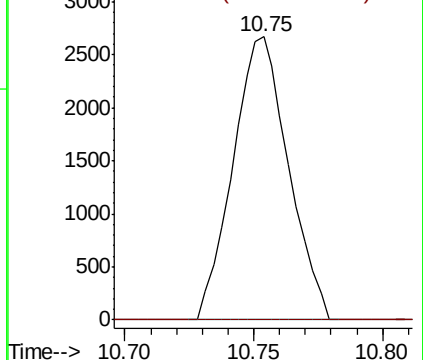
Ion Ratio Lower Upper

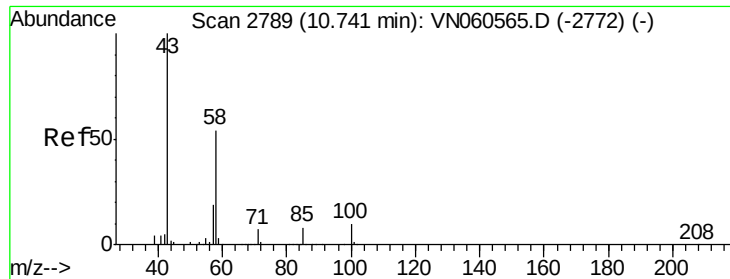
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0

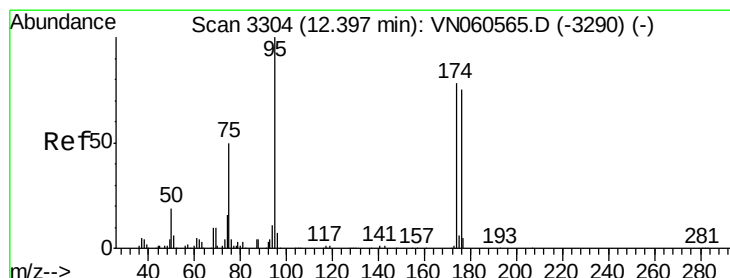
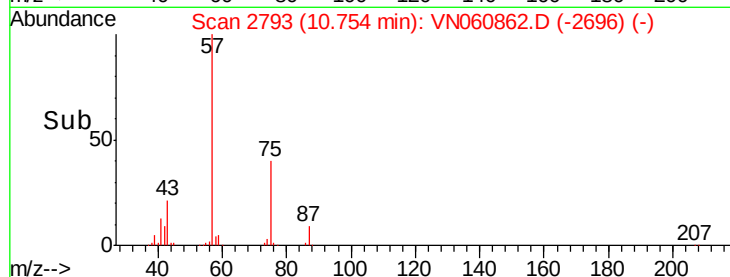
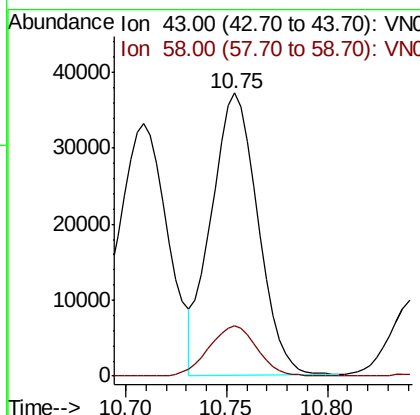
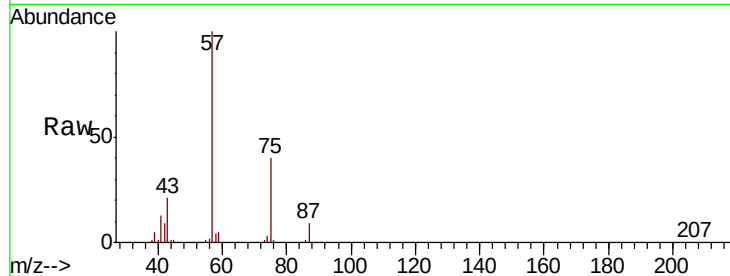




#59
2-Hexanone
Concen: 24.755 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060862.D
Acq: 6 Apr 2020 19:21

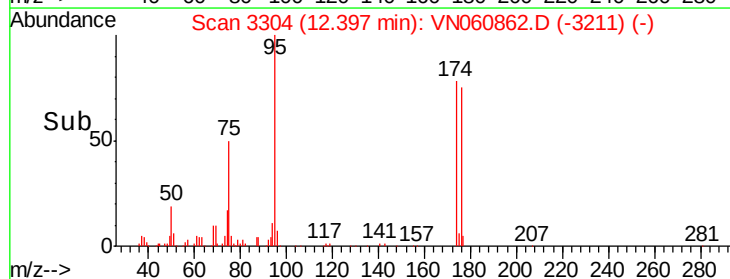
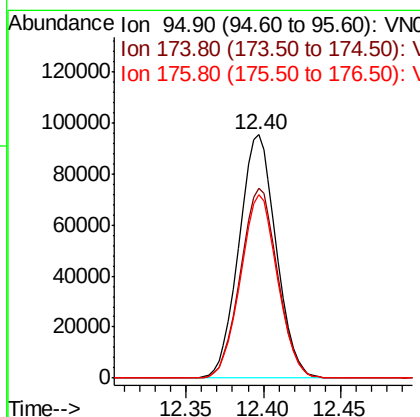
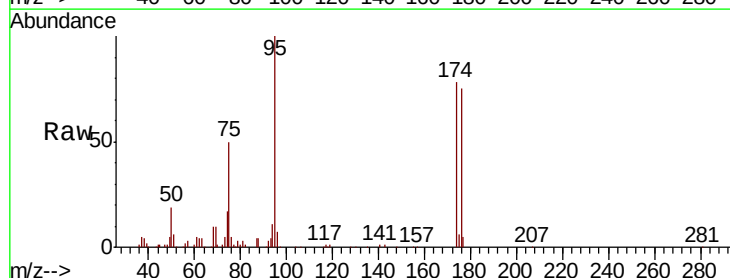
Instrument :
MSVOA_N
ClientSampleId :
TP-65-COMP

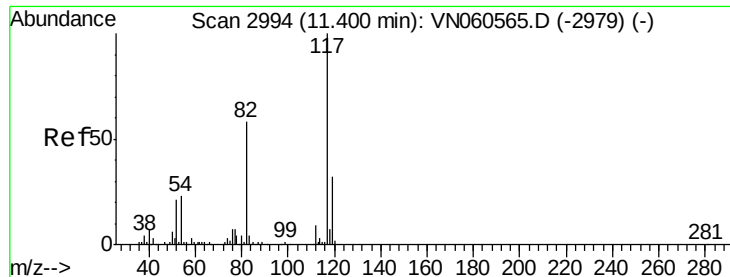
Tot Ion: 43 Resp: 59859
Ion Ratio Lower Upper
43 100
58 18.4 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 51.493 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060862.D
Acq: 6 Apr 2020 19:21

Tgt Ion: 95 Resp: 159345
Ion Ratio Lower Upper
95 100
174 78.4 0.0 157.6
176 75.2 0.0 150.6

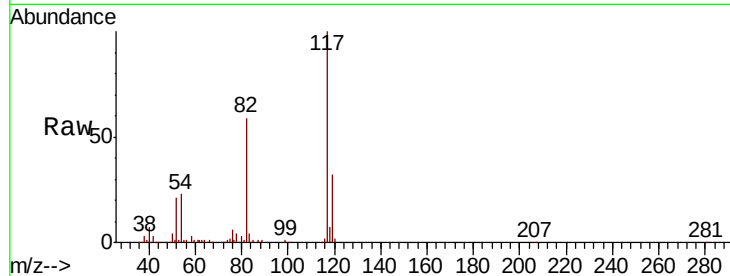




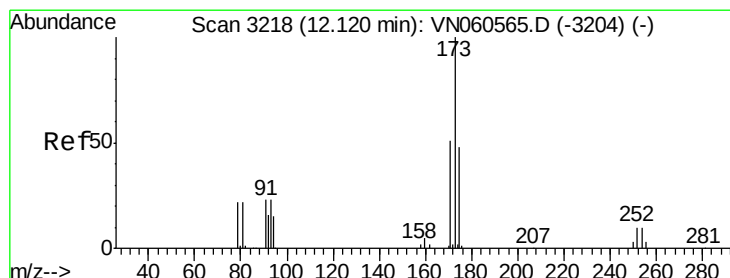
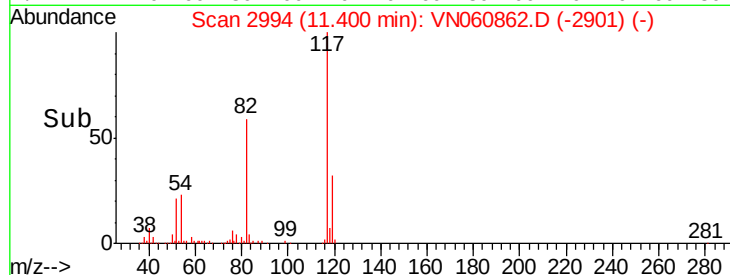
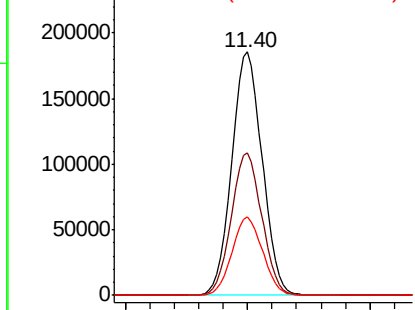
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060862.D
Acq: 6 Apr 2020 19:21

Instrument :
MSVOA_N
ClientSampleId :
TP-65-COMP

Tot Ion:117 Resp: 321678
Ion Ratio Lower Upper
117 100
82 58.6 46.7 70.1
119 32.0 25.5 38.3

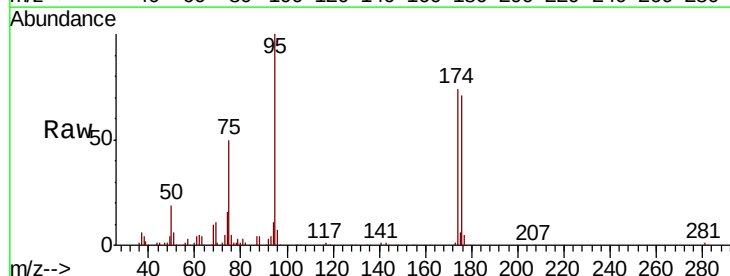


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

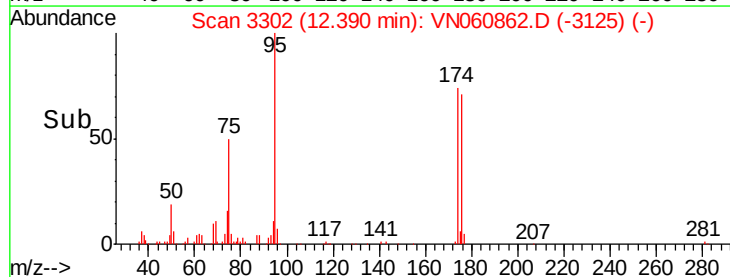
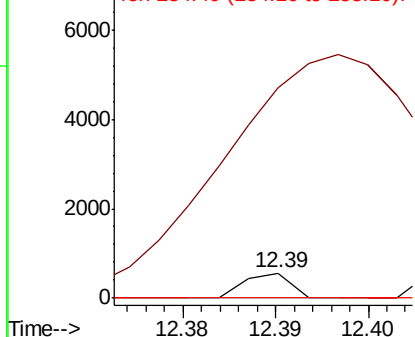


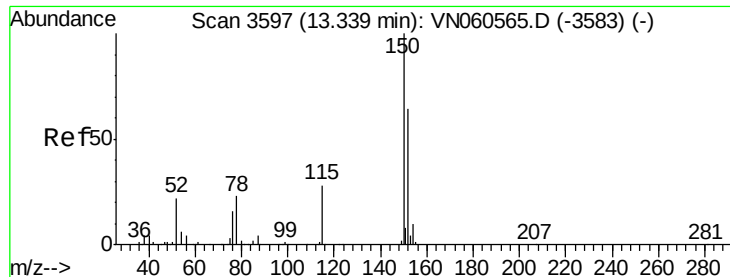
#71
Bromoform
Concen: 1.779 ug/l
RT: 12.39 min Scan# 3302
Delta R.T. 0.27 min
Lab File: VN060862.D
Acq: 6 Apr 2020 19:21

Tgt Ion:173 Resp: 195
Ion Ratio Lower Upper
173 100
175 3970.8 24.1 72.4#
254 0.0 0.0 0.0



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: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

Instrument :

MSVOA_N

ClientSampleId :

TP-65-COMP

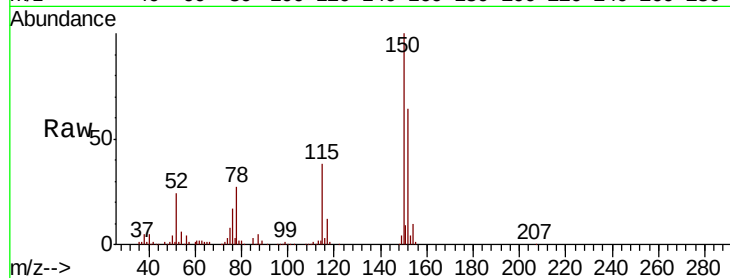
Tot Ion:152 Resp: 146838

Ion Ratio Lower Upper

152 100

115 60.2 30.2 90.6

150 156.9 0.0 350.2

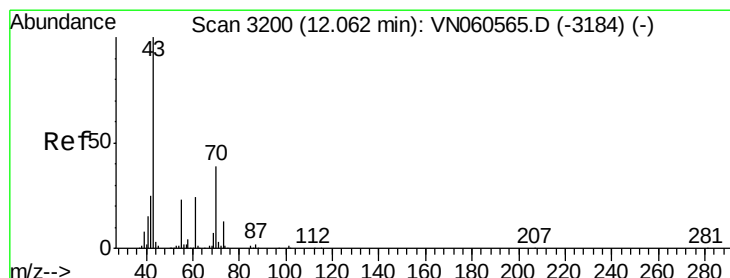
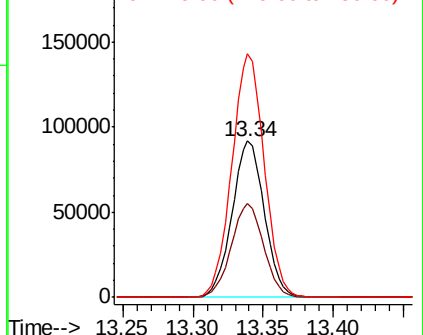
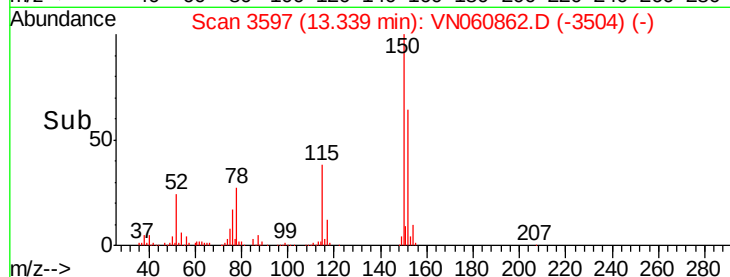


Abundance

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



#74

N-ethyl acetate

Concen: 0.553 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

Tgt Ion: 43 Resp: 2818

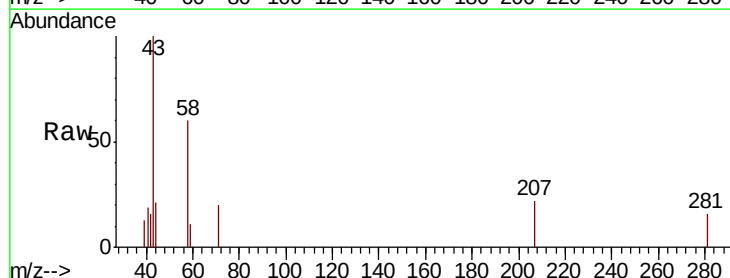
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#



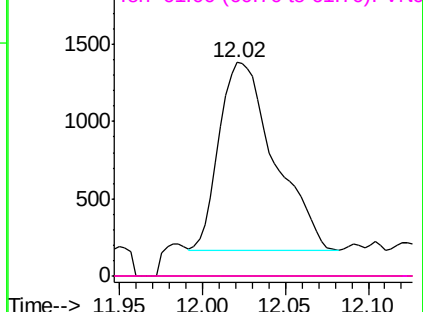
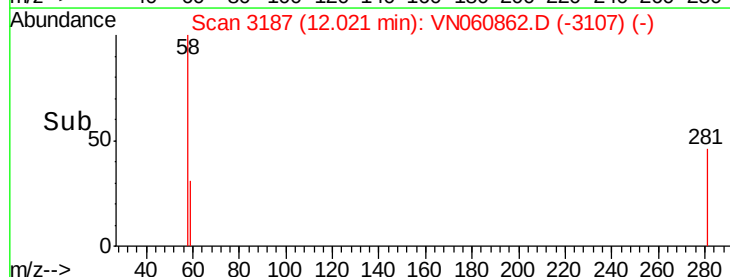
Abundance

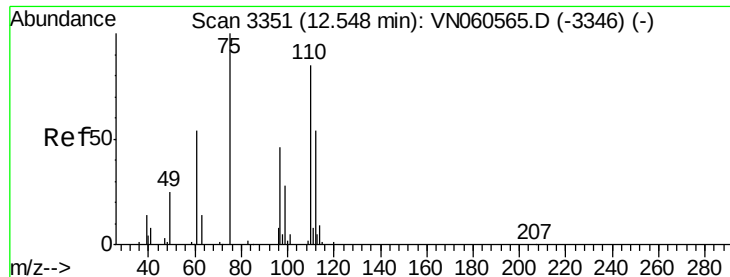
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 25.302 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

Instrument :

MSVOA_N

ClientSampleId :

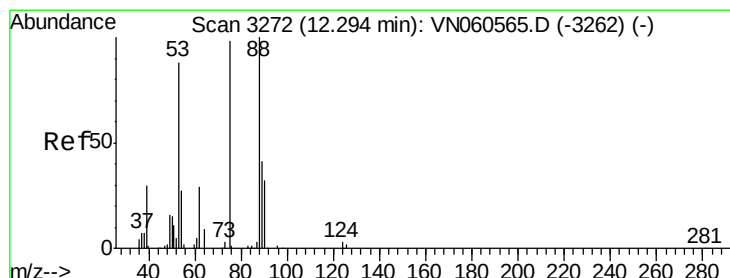
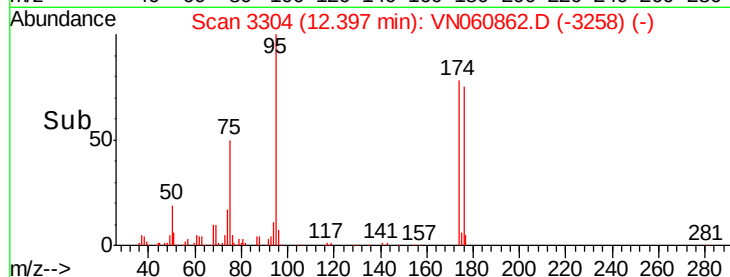
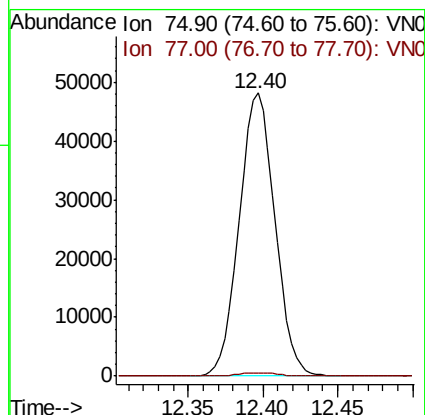
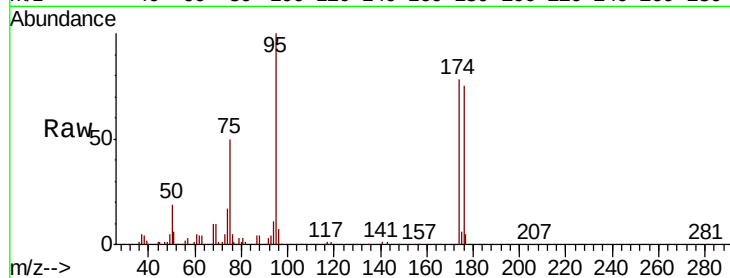
TP-65-COMP

Tot Ion: 75 Resp: 80167

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.982 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

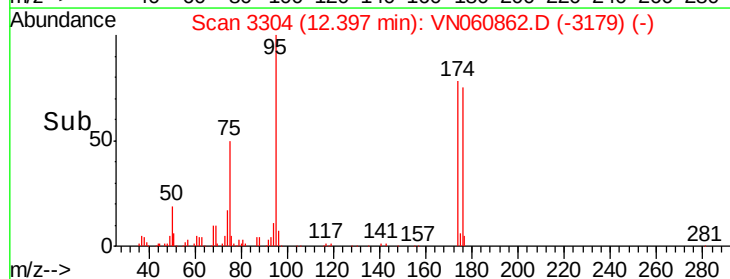
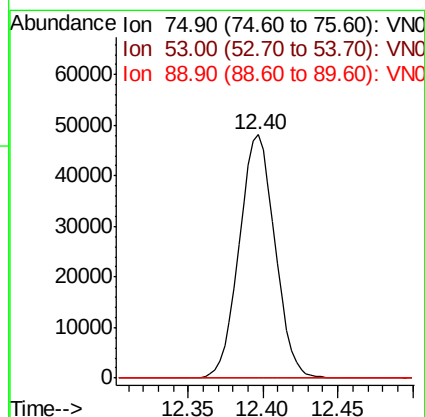
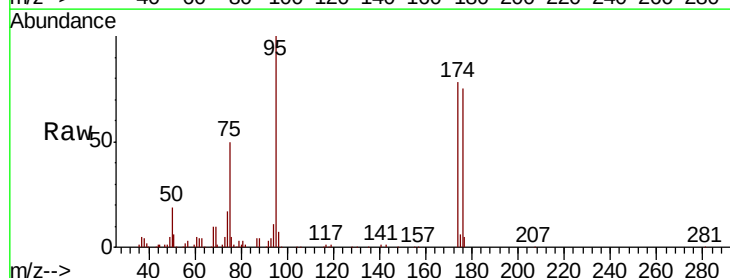
Tgt Ion: 75 Resp: 80167

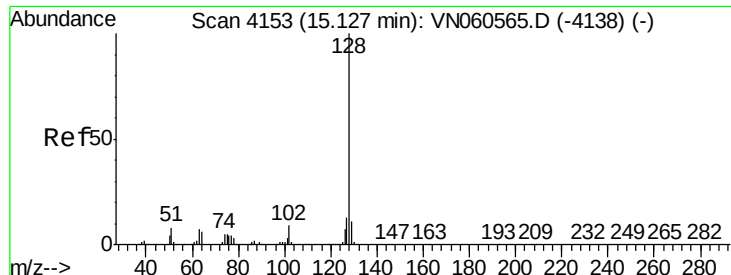
Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#





#95

Naphthalene

Concen: 1.250 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

Instrument :

MSVOA_N

ClientSampleId :

TP-65-COMP

Tot Ion:128 Resp: 10341

Ion Ratio Lower Upper

128 100

127 11.5 10.2 15.2

129 9.9 8.8 13.2

