

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022420\
 Data File : VN060207.D
 Acq On : 24 Feb 2020 14:09
 Operator : JC/MD
 Sample : L1659-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WH-2-COMP-2

Quant Time: Feb 24 15:50:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	181340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	280809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	267212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	119938	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	104538	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
35) Dibromofluoromethane	7.57	113	84965	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	10.08	98	341933	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	124268	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	

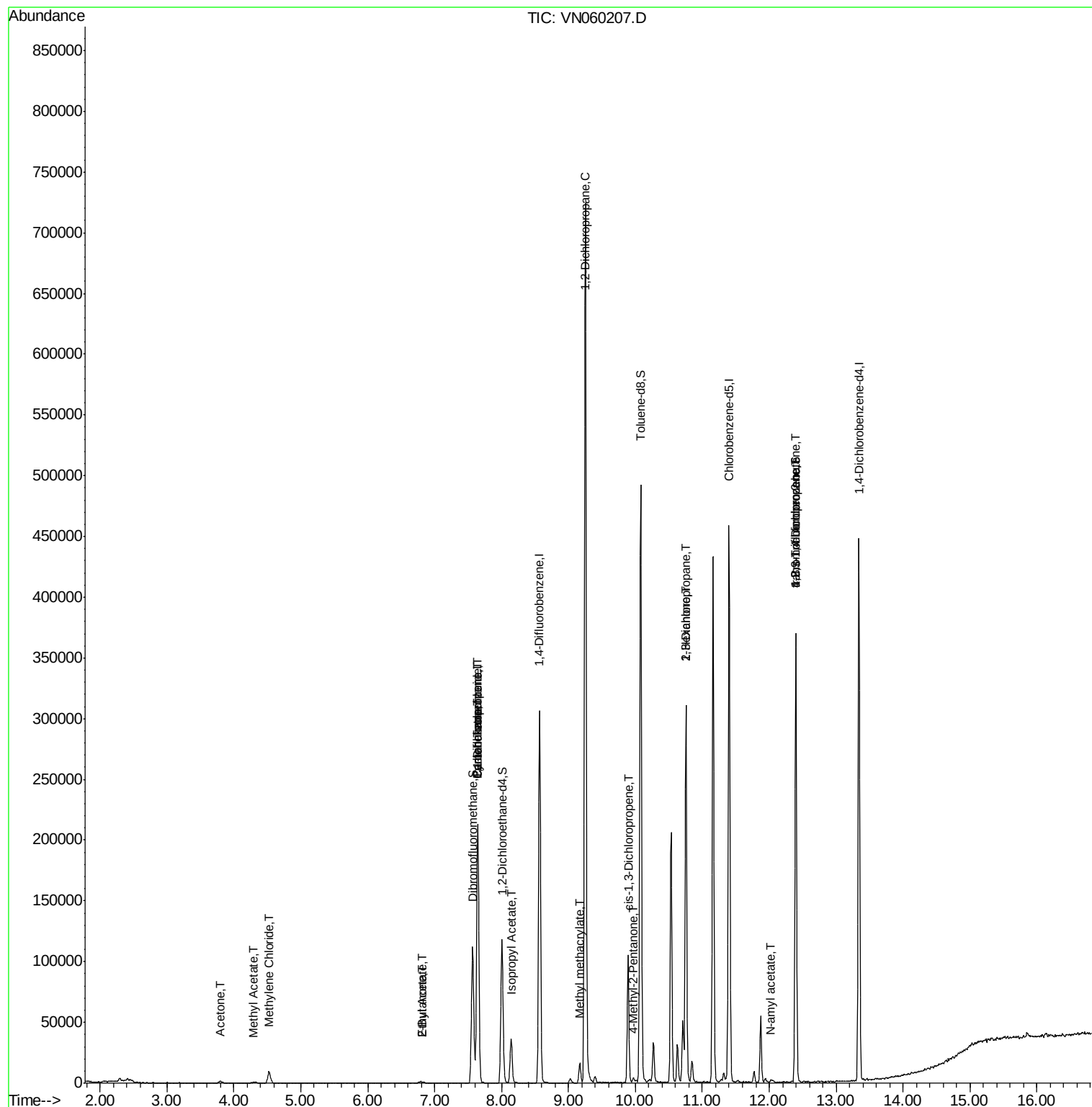
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	3311	3.44	ug/l	93
18) Methyl Acetate	4.30	43	1074	0.59	ug/l #	50
20) Methylene Chloride	4.53	84	7049	3.67	ug/l	92
25) 2-Butanone	6.82	43	2009	1.66	ug/l #	46
31) Cyclohexane	7.64	56	3676	1.18	ug/l #	4
36) 1,1-Dichloropropene	7.64	75	13238	5.09	ug/l #	48
37) Ethyl Acetate	6.82	43	2009	0.85	ug/l #	68
38) Carbon Tetrachloride	7.64	117	16659	5.90	ug/l #	15
43) Isopropyl Acetate	8.14	43	42921	10.68	ug/l #	90
45) 1,2-Dichloropropane	9.24	63	683	0.36	ug/l #	43
48) Methyl methacrylate	9.16	41	2290	1.27	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	3375	1.45	ug/l #	77
54) cis-1,3-Dichloropropene	9.89	75	19103	5.86	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	3309	1.04	ug/l #	43
59) 2-Hexanone	10.75	43	45941	25.57	ug/l #	51
74) N-amyl acetate	12.03	43	2131	0.66	ug/l #	43
76) 1,2,3-Trichloropropane	12.40	75	63831	27.82	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	63831	68.11	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.31	75	61	Below Cal	#	1

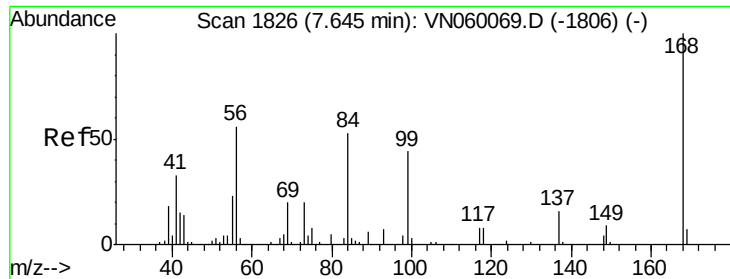
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060207.D

Acq: 24 Feb 2020 14:09

Instrument :

MSVOA_N

ClientSampleId :

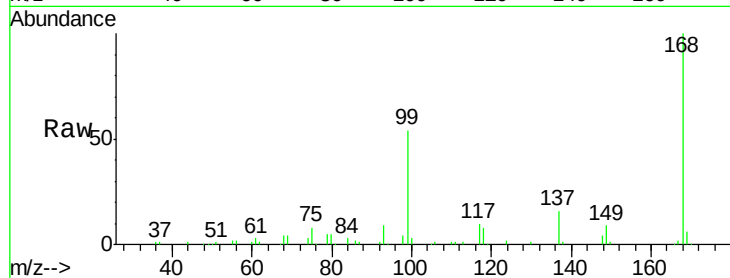
WH-2-COMP-2

Tgt Ion:168 Resp: 181340

Ion Ratio Lower Upper

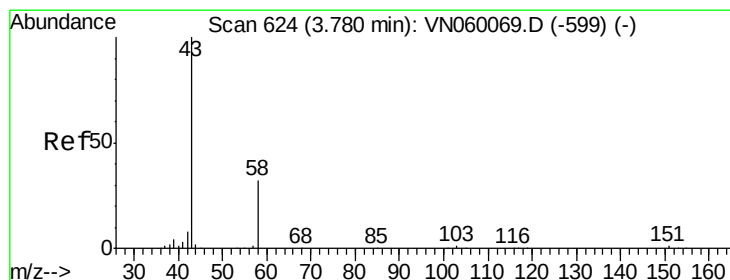
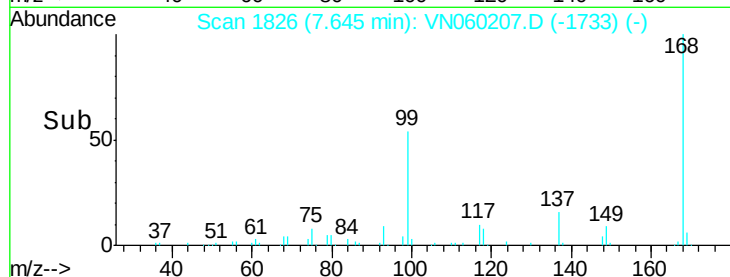
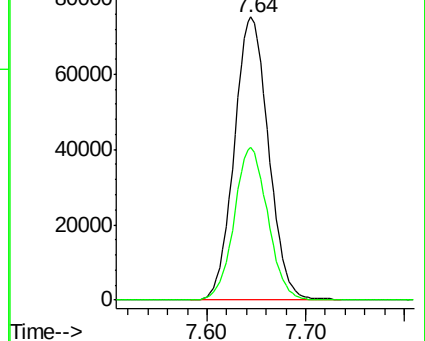
168 100

99 54.0 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 3.44 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN060207.D

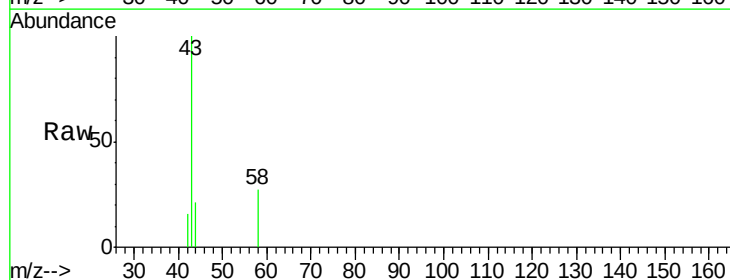
Acq: 24 Feb 2020 14:09

Tgt Ion: 43 Resp: 3311

Ion Ratio Lower Upper

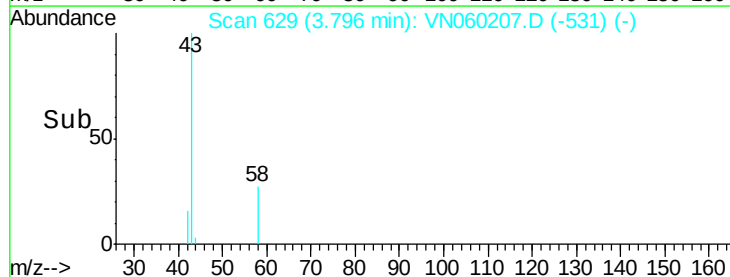
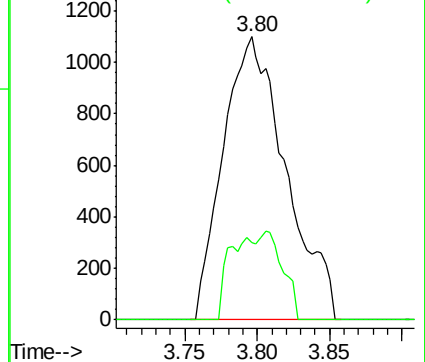
43 100

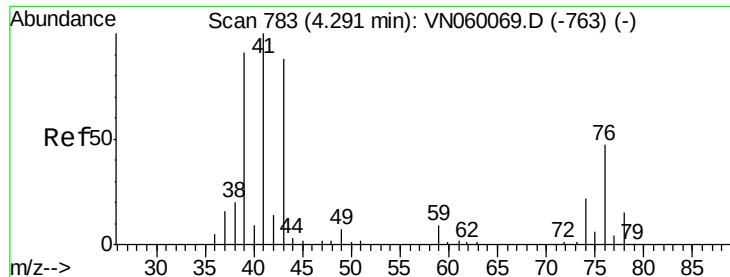
58 27.5 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

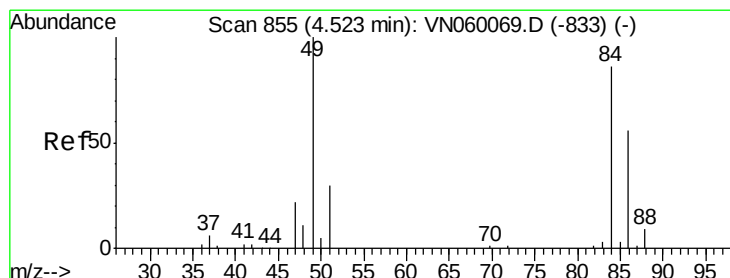
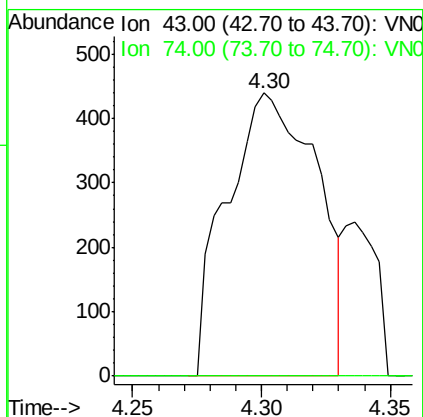
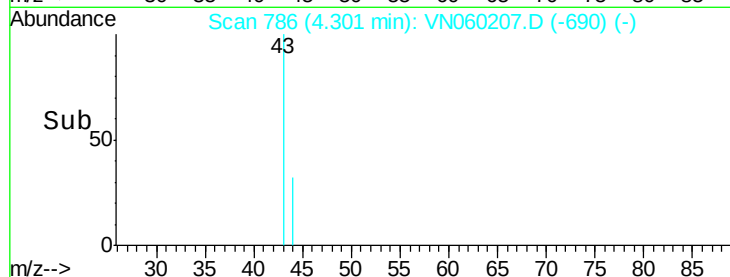
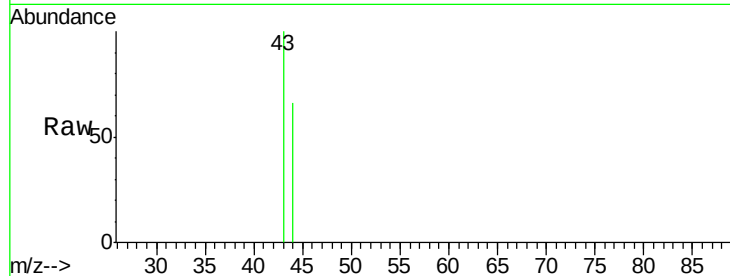




#18
Methyl Acetate
Concen: 0.59 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060207.D
Acq: 24 Feb 2020 14:09

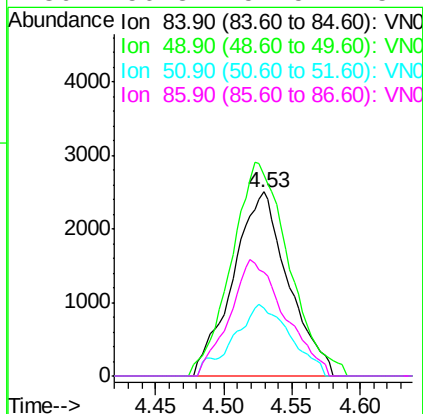
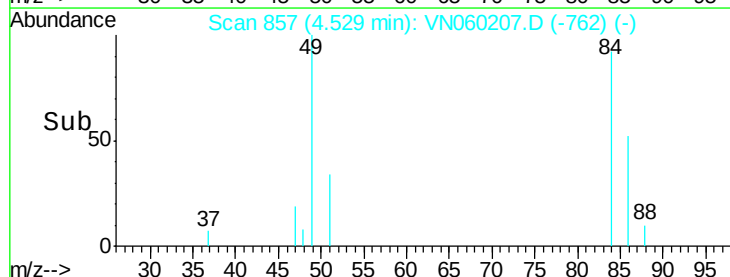
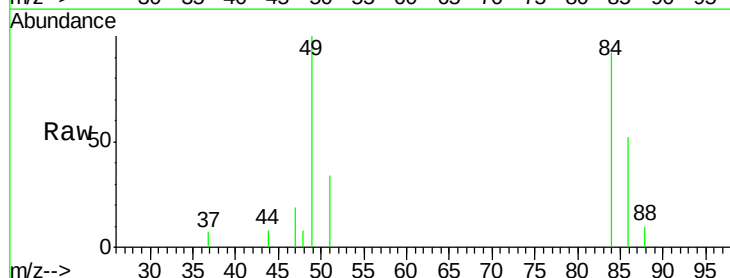
Instrument :
MSVOA_N
ClientSampleId :
WH-2-COMP-2

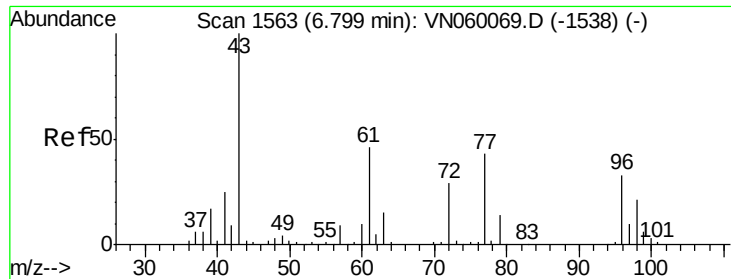
Tgt Ion: 43 Resp: 1074
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: 3.67 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060207.D
Acq: 24 Feb 2020 14:09

Tgt Ion: 84 Resp: 7049
Ion Ratio Lower Upper
84 100
49 109.1 93.4 140.0
51 37.2 28.4 42.6
86 56.3 52.5 78.7





#25

2-Butanone

Concen: 1.66 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.02 min

Lab File: VN060207.D

Acq: 24 Feb 2020 14:09

Instrument :

MSVOA_N

ClientSampled :

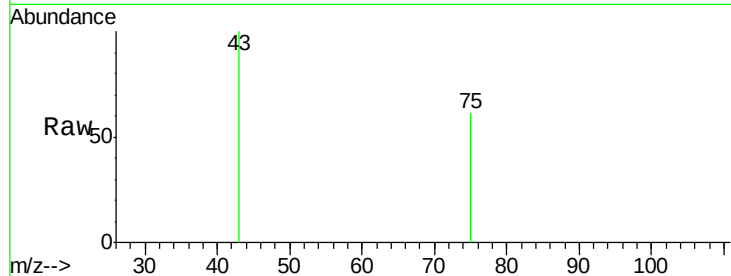
WH-2-COMP-2

Tgt Ion: 43 Resp: 2009

Ion Ratio Lower Upper

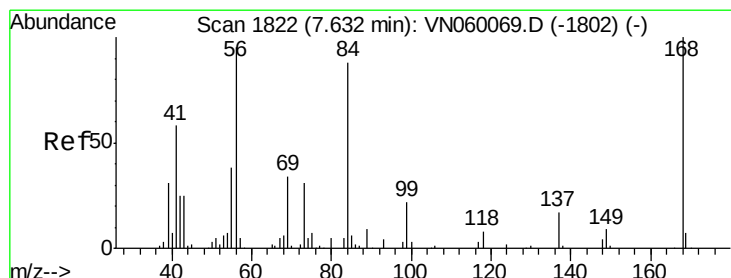
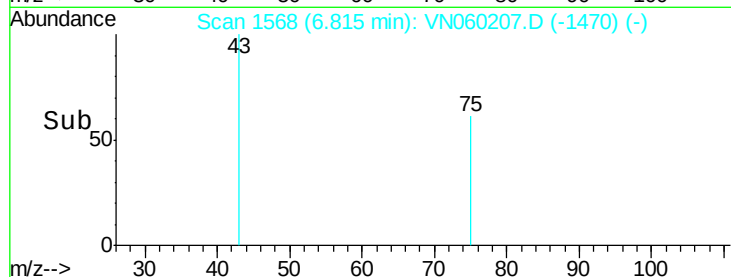
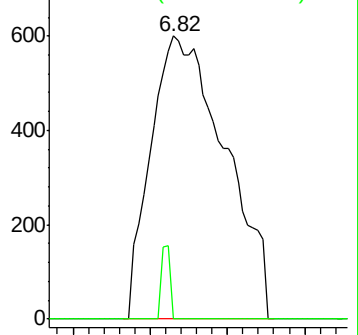
43 100

72 0.0 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 1.18 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060207.D

Acq: 24 Feb 2020 14:09

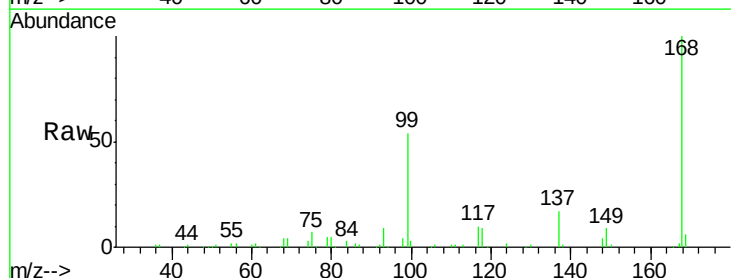
Tgt Ion: 56 Resp: 3676

Ion Ratio Lower Upper

56 100

69 167.9 28.3 42.5#

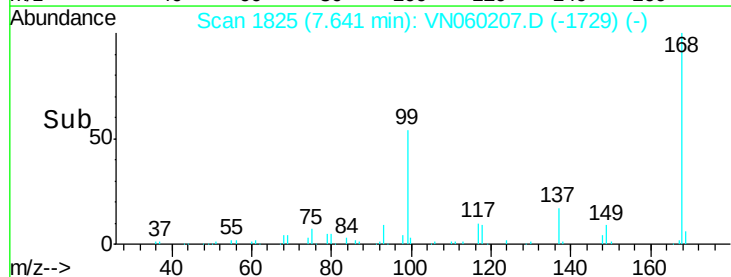
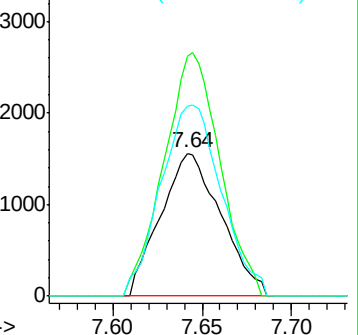
84 133.0 72.6 108.8#

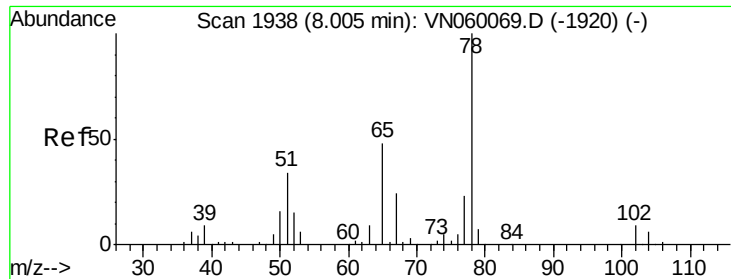


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

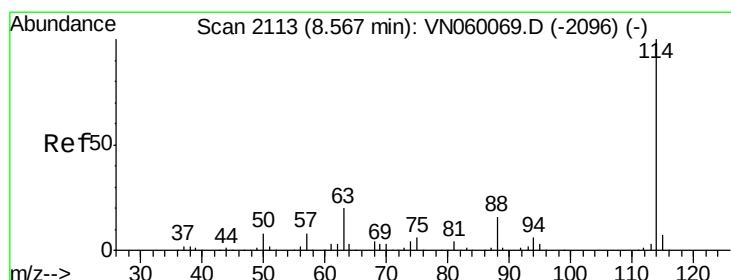
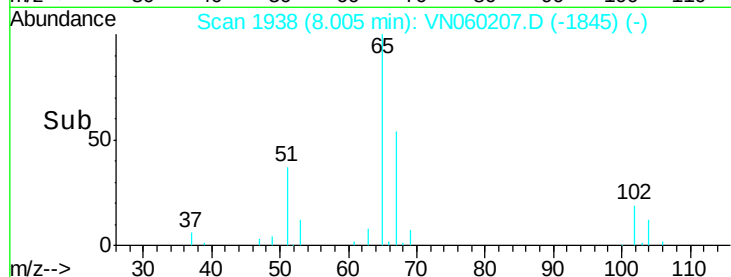
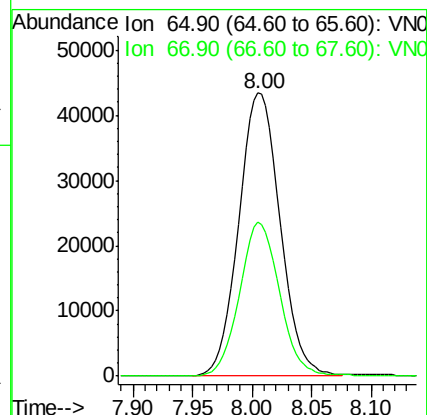
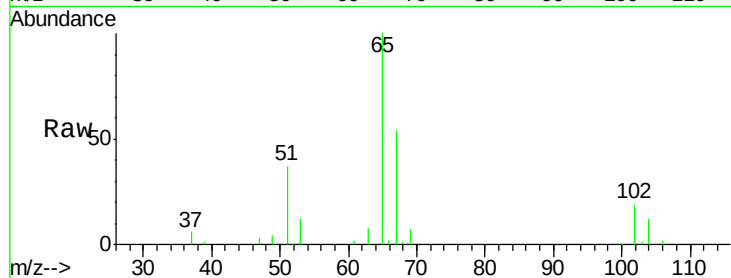




#33
 1,2-Dichloroethane-d4
 Concen: 47.38 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060207.D
 Acq: 24 Feb 2020 14:09

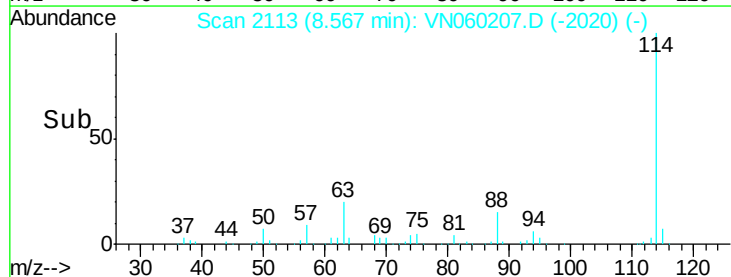
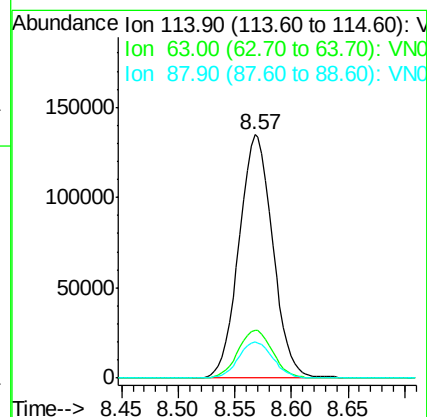
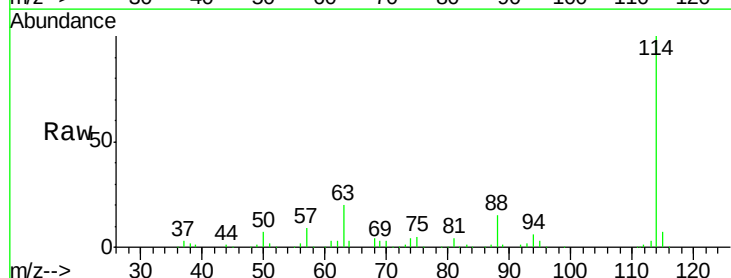
Instrument :
 MSVOA_N
 ClientSampleId :
 WH-2-COMP-2

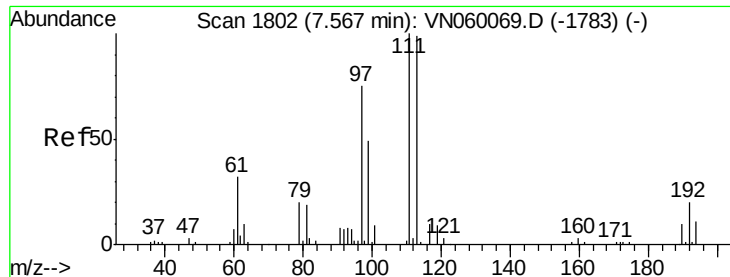
Tgt Ion: 65 Resp: 104538
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060207.D
 Acq: 24 Feb 2020 14:09

Tgt Ion: 114 Resp: 280809
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 14.8 0.0 31.6

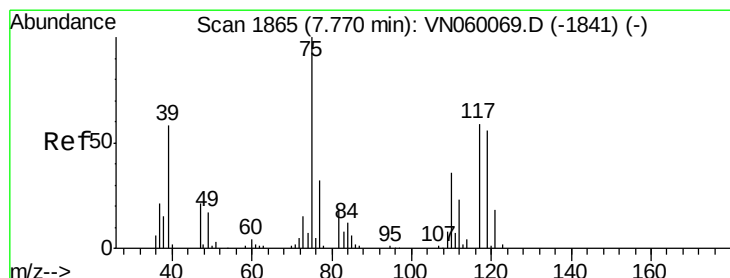
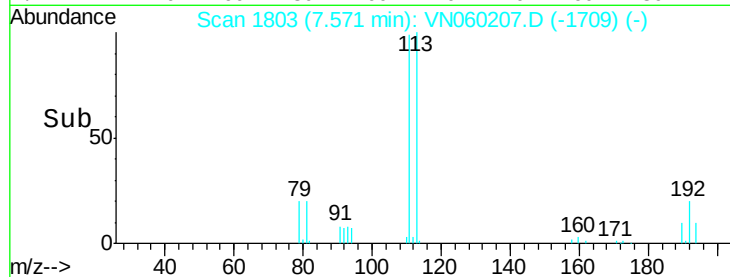
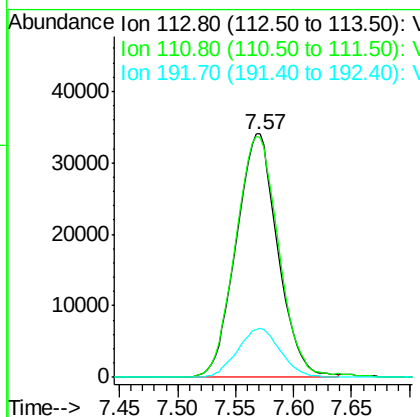
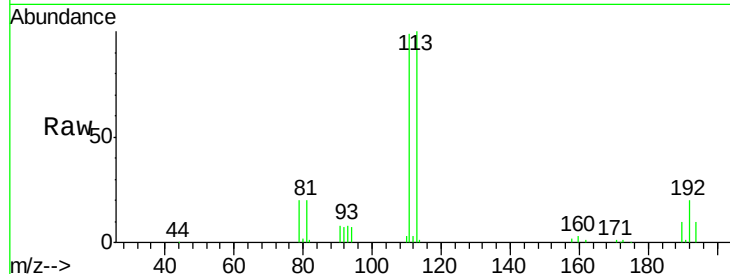




#35
 Dibromofluoromethane
 Concen: 49.22 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN060207.D
 Acq: 24 Feb 2020 14:09

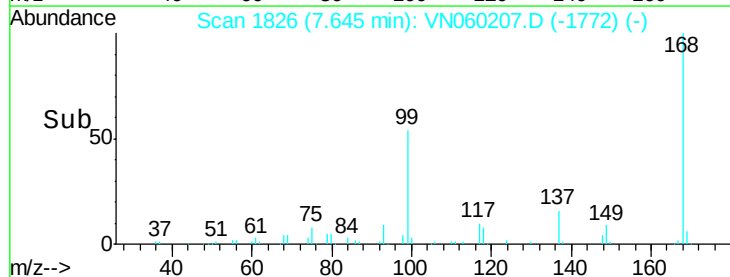
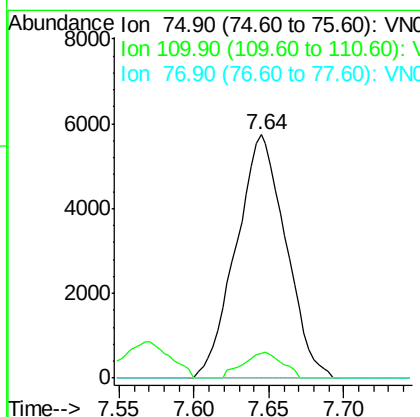
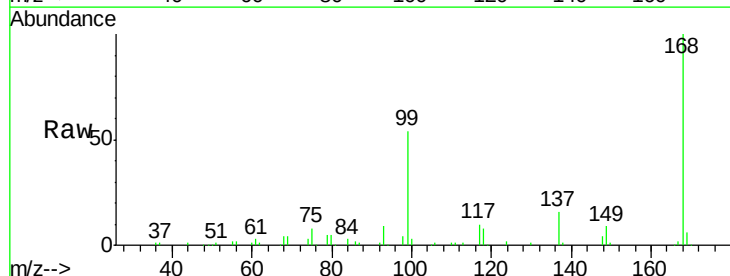
Instrument :
 MSVOA_N
 ClientSampleId :
 WH-2-COMP-2

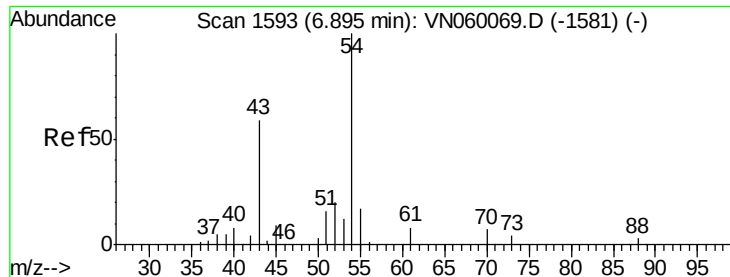
Tgt Ion: 113 Resp: 84965
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.4 122.2
 192 20.5 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.09 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060207.D
 Acq: 24 Feb 2020 14:09

Tgt Ion: 75 Resp: 13238
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.1 54.3#
 77 0.0 25.1 37.7#

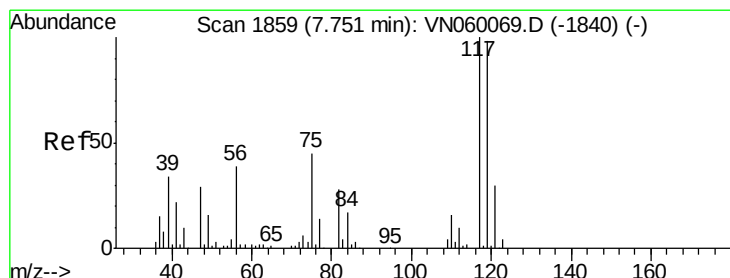
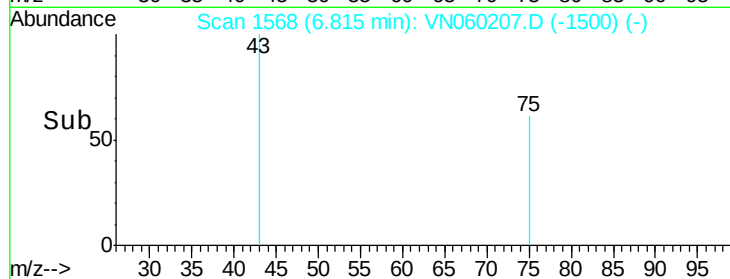
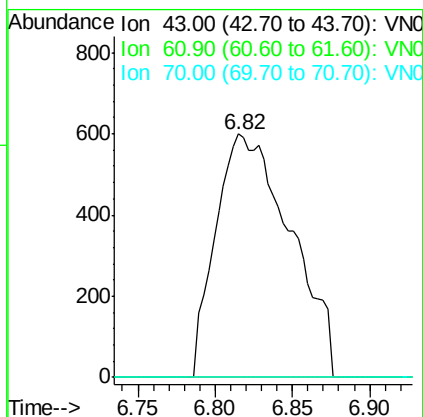
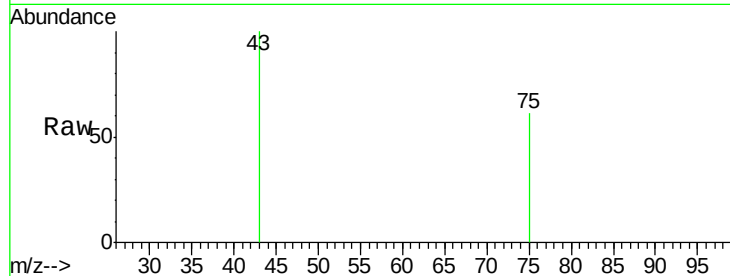




#37
Ethyl Acetate
 Concen: 0.85 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. -0.08 min
 Lab File: VN060207.D
 Acq: 24 Feb 2020 14:09

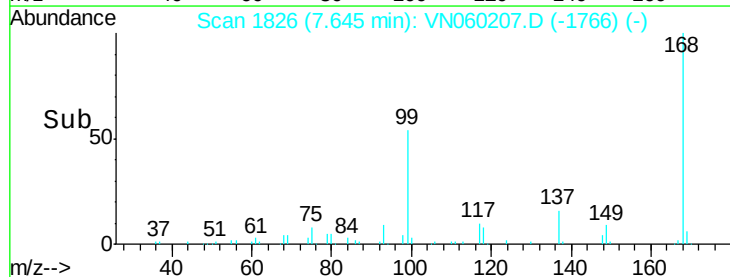
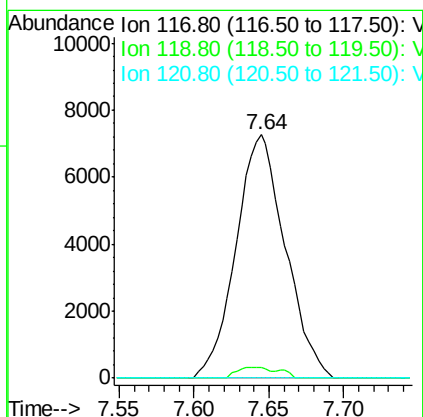
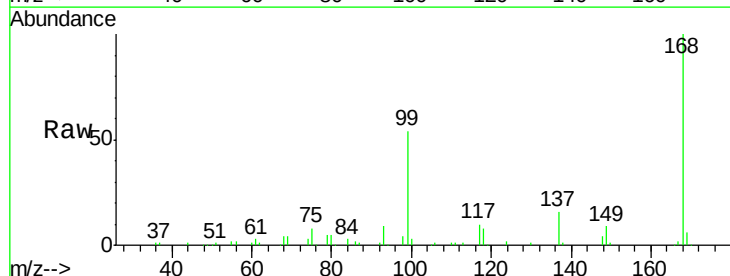
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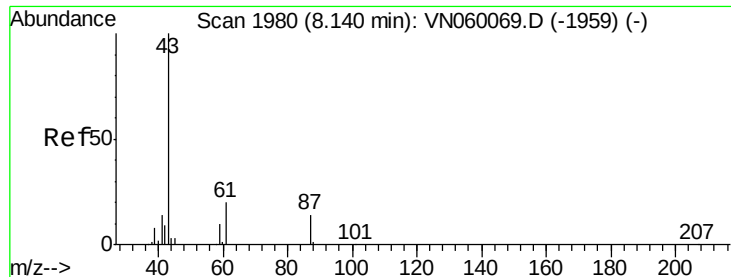
Tgt Ion: 43 Resp: 2009
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.4 17.2#
 70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
 Concen: 5.90 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060207.D
 Acq: 24 Feb 2020 14:09

Tgt Ion: 117 Resp: 16659
 Ion Ratio Lower Upper
 117 100
 119 4.3 78.2 117.4#
 121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 10.68 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060207.D

Acq: 24 Feb 2020 14:09

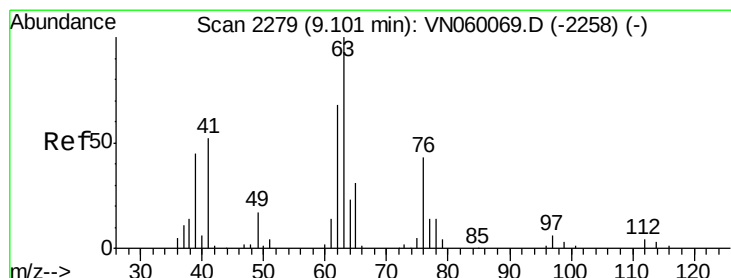
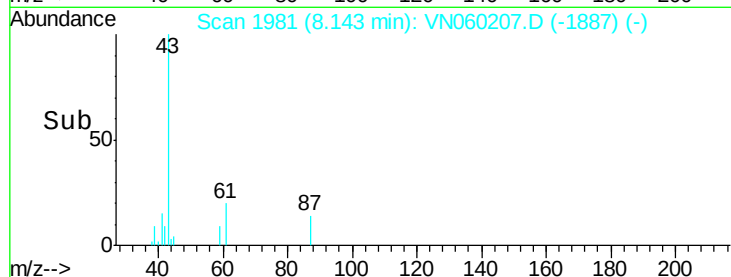
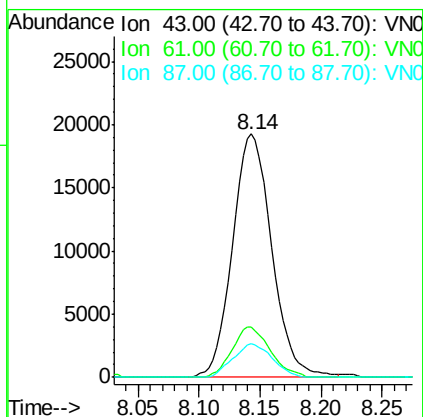
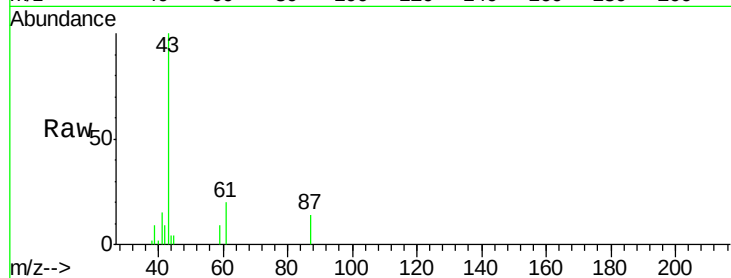
Instrument :

MSVOA_N

ClientSampleId :

WH-2-COMP-2

Tgt Ion:	43	Resp:	42921
Ion	Ratio	Lower	Upper
43	100		
61	19.9	21.8	32.6#
87	13.8	11.4	17.2



#45

1,2-Dichloropropane

Concen: 0.36 ug/l

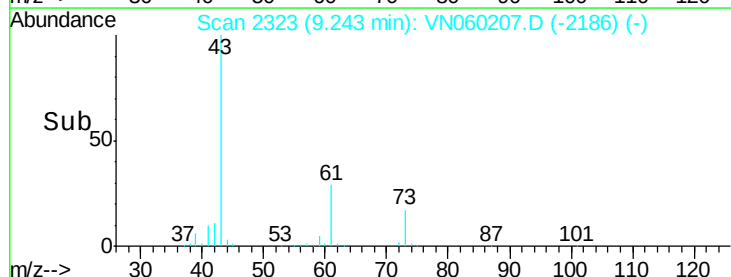
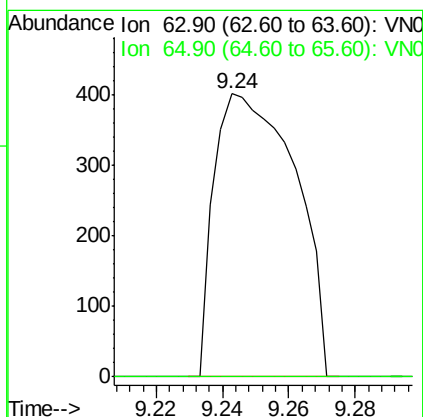
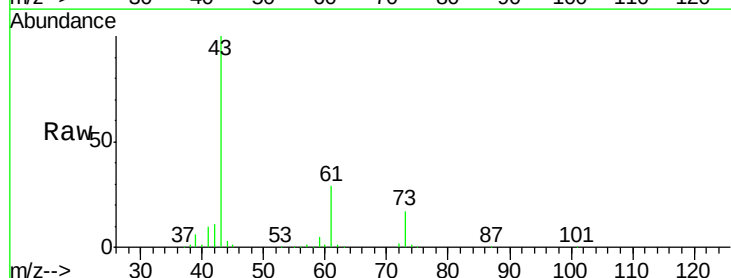
RT: 9.24 min Scan# 2323

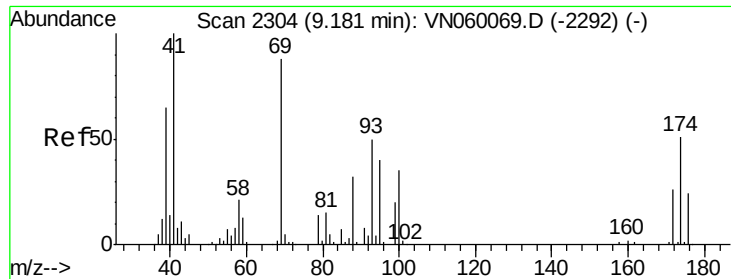
Delta R.T. 0.14 min

Lab File: VN060207.D

Acq: 24 Feb 2020 14:09

Tgt Ion:	63	Resp:	683
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.0	37.4#

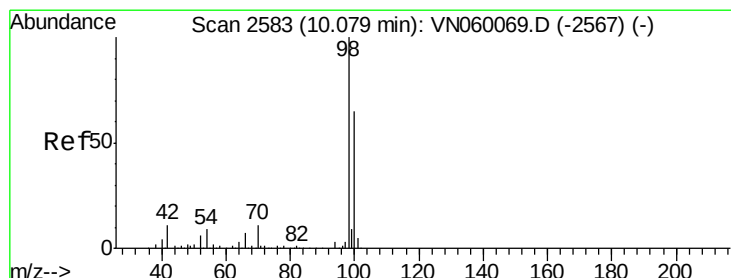
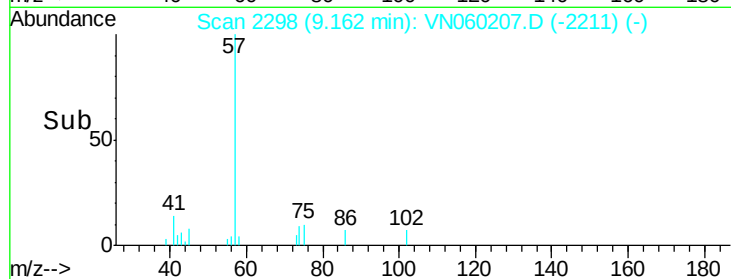
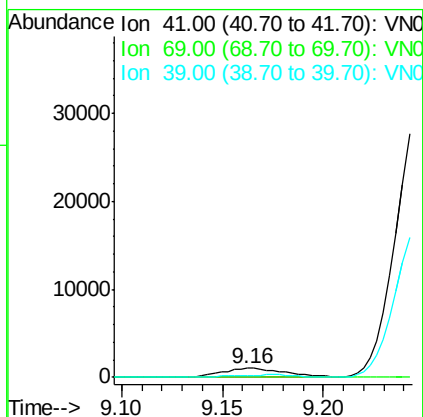
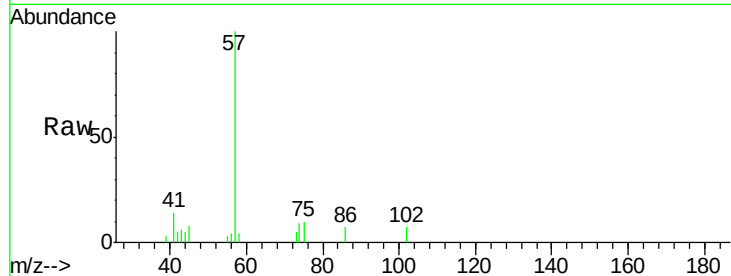




#48
Methyl methacrylate
Concen: 1.27 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060207.D
Acq: 24 Feb 2020 14:09

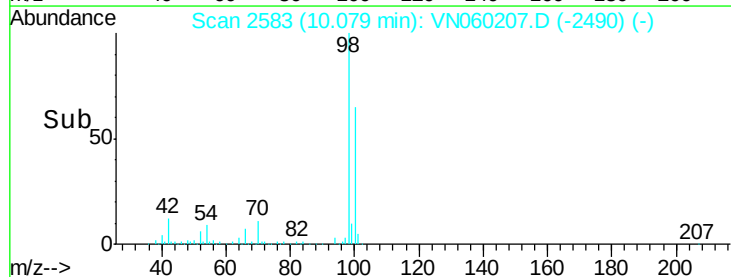
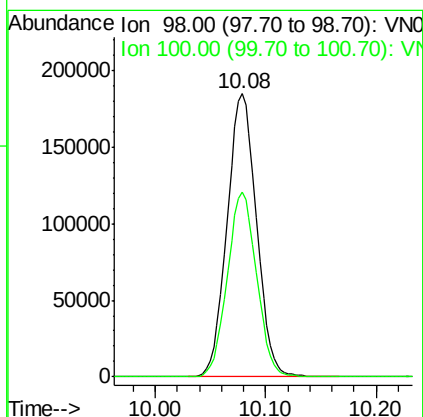
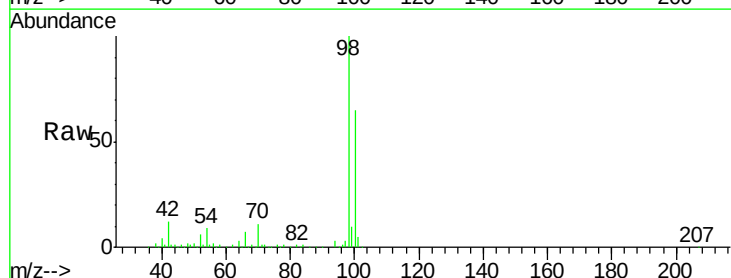
Instrument :
MSVOA_N
ClientSampleId :
WH-2-COMP-2

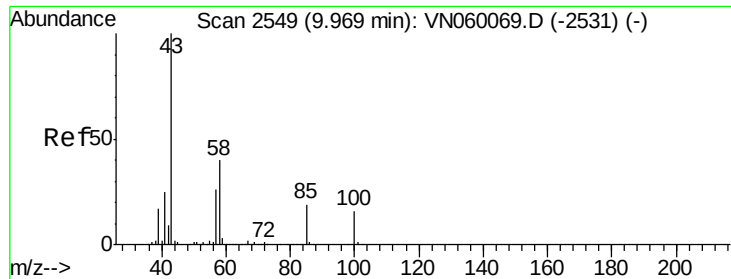
Tgt Ion: 41 Resp: 2290
Ion Ratio Lower Upper
41 100
69 0.0 72.0 108.0#
39 0.0 54.1 81.1#



#50
Toluene-d8
Concen: 50.30 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060207.D
Acq: 24 Feb 2020 14:09

Tgt Ion: 98 Resp: 341933
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 1.45 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060207.D

Acq: 24 Feb 2020 14:09

Instrument :

MSVOA_N

ClientSampleId :

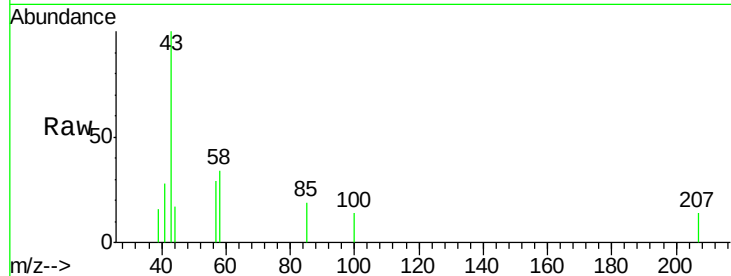
WH-2-COMP-2

Tgt Ion: 43 Resp: 3375

Ion Ratio Lower Upper

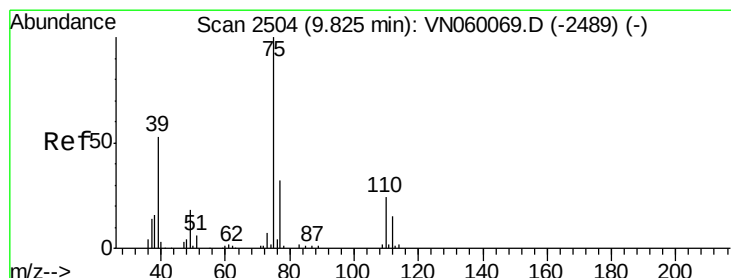
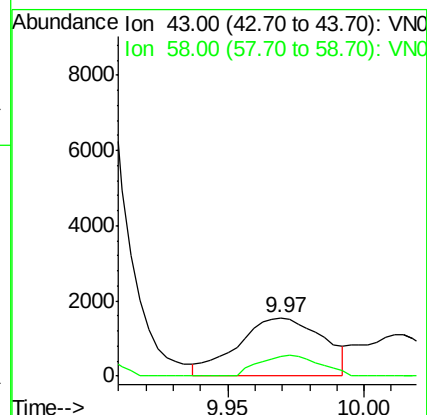
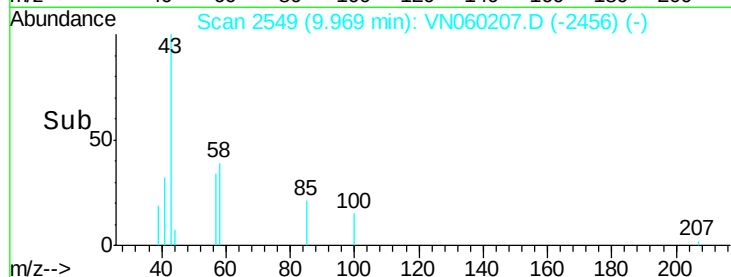
43 100

58 25.5 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.86 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060207.D

Acq: 24 Feb 2020 14:09

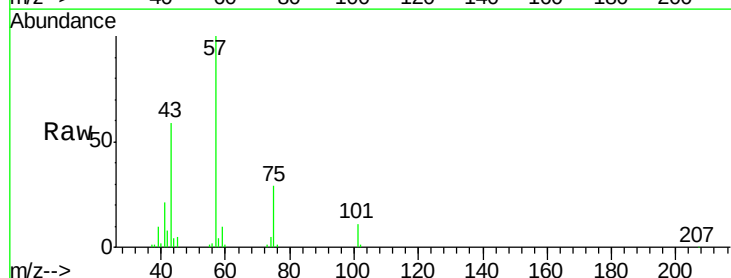
Tgt Ion: 75 Resp: 19103

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#

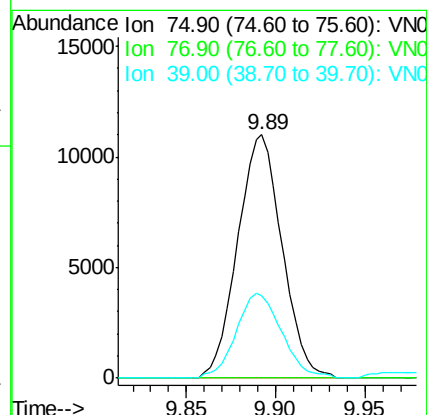
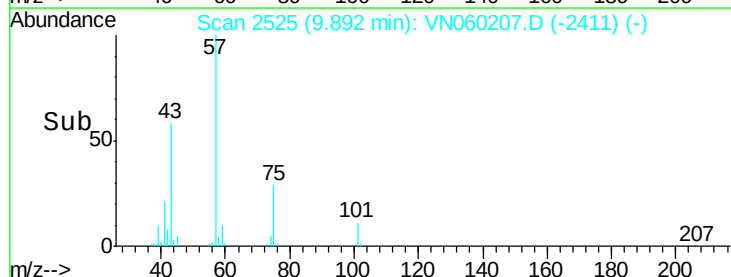
39 33.6 42.2 63.4#

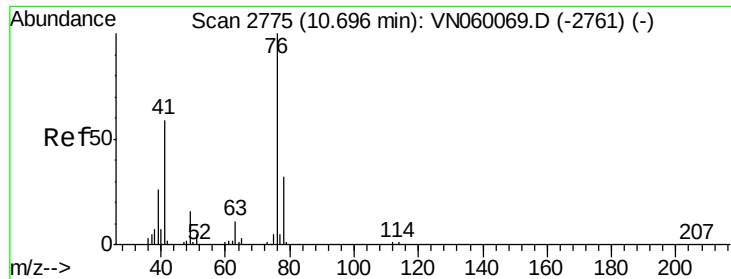


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.04 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN060207.D

Acq: 24 Feb 2020 14:09

Instrument :

MSVOA_N

ClientSampleId :

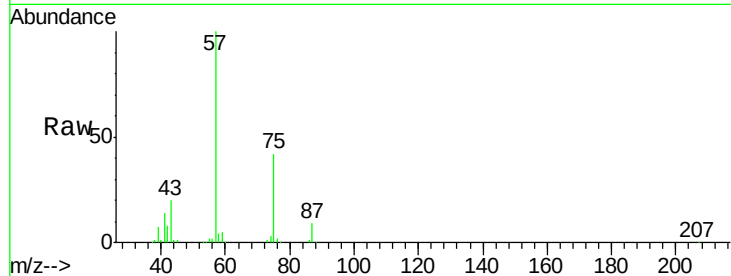
WH-2-COMP-2

Tgt Ion: 76 Resp: 3309

Ion Ratio Lower Upper

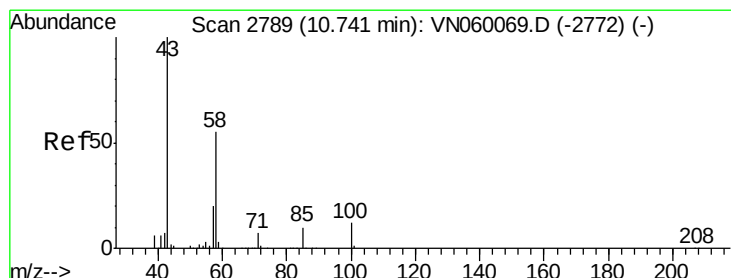
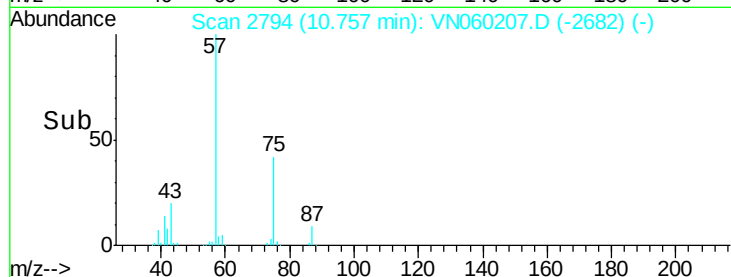
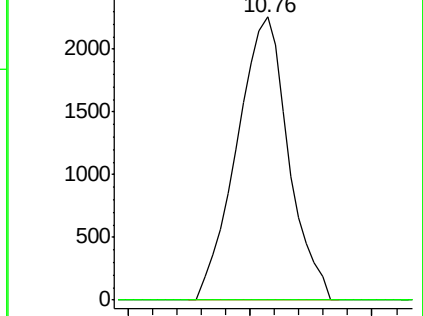
76 100

78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 25.57 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060207.D

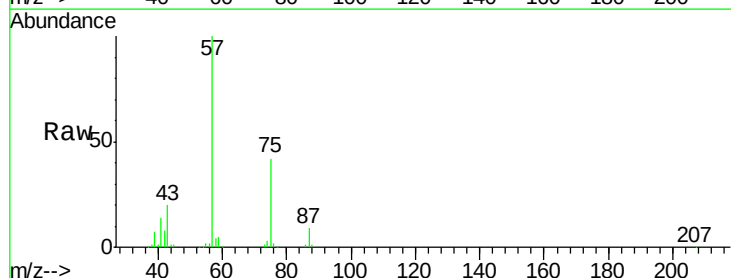
Acq: 24 Feb 2020 14:09

Tgt Ion: 43 Resp: 45941

Ion Ratio Lower Upper

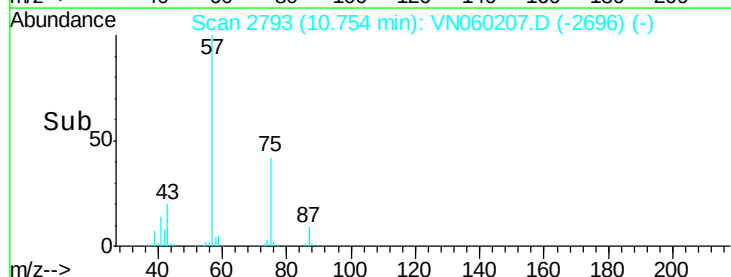
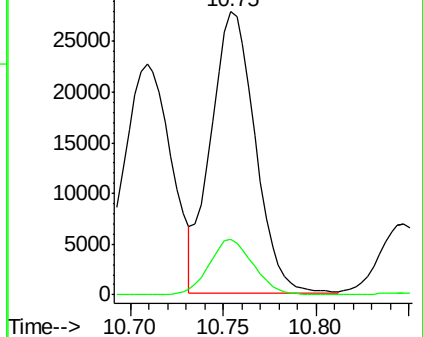
43 100

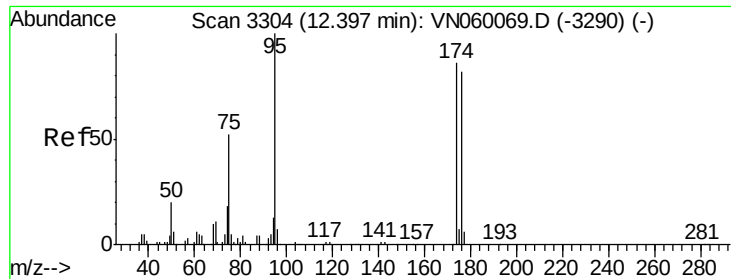
58 19.7 27.5 82.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

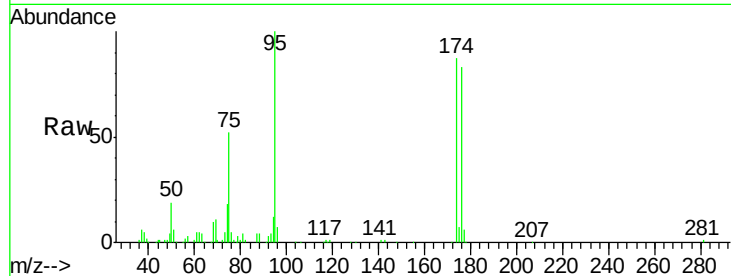




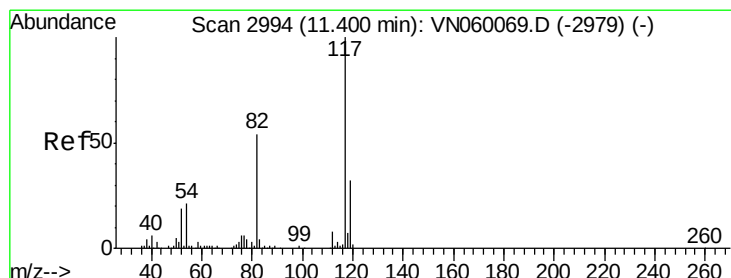
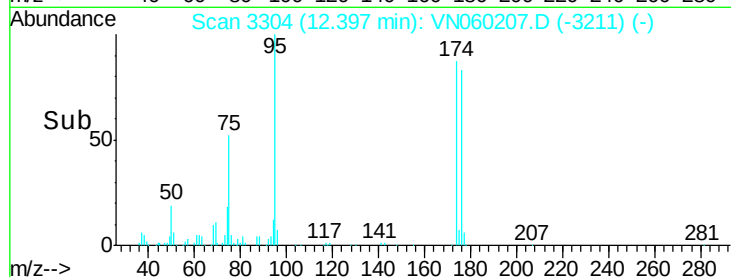
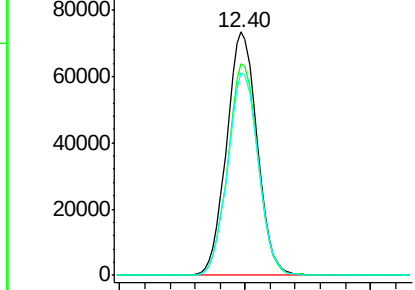
#62
4-Bromofluorobenzene
Concen: 49.75 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060207.D
Acq: 24 Feb 2020 14:09

Instrument :
MSVOA_N
ClientSampleId :
WH-2-COMP-2

Tgt Ion: 95 Resp: 124268
Ion Ratio Lower Upper
95 100
174 85.6 0.0 169.8
176 83.4 0.0 164.8

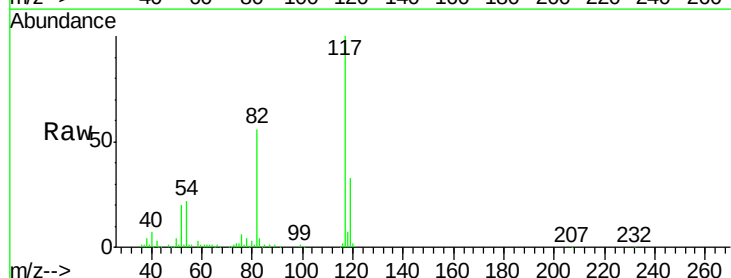


Abundance Ion 94.90 (94.60 to 95.60): VN060207.D (-3211) (-)
Ion 173.80 (173.50 to 174.50): VN060207.D (-3211) (-)
Ion 175.80 (175.50 to 176.50): VN060207.D (-3211) (-)

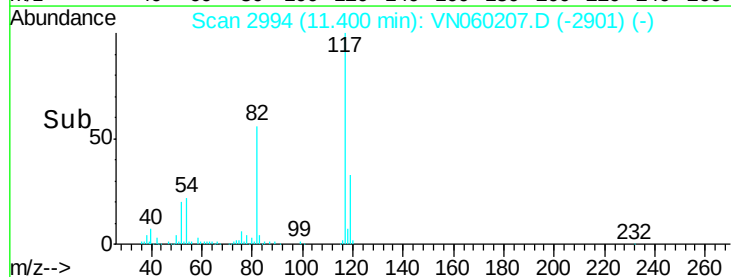
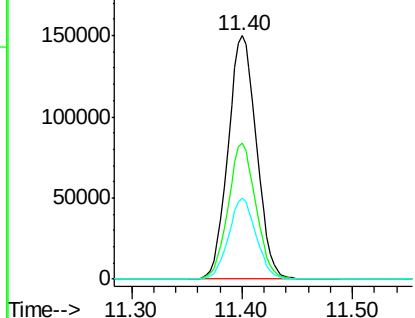


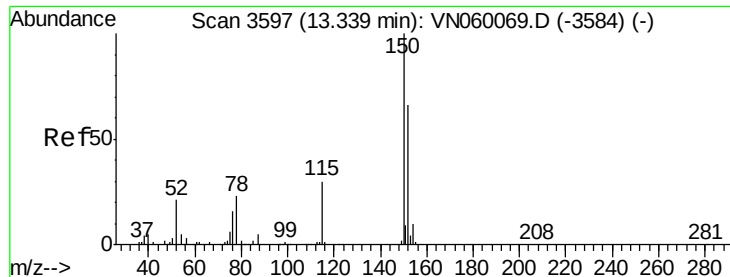
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060207.D
Acq: 24 Feb 2020 14:09

Tgt Ion: 117 Resp: 267212
Ion Ratio Lower Upper
117 100
82 55.8 43.4 65.0
119 33.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VN060207.D (-2901) (-)
Ion 82.00 (81.70 to 82.70): VN060207.D (-2901) (-)
Ion 118.90 (118.60 to 119.60): VN060207.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060207.D

Acq: 24 Feb 2020 14:09

Instrument :

MSVOA_N

ClientSampled :

WH-2-COMP-2

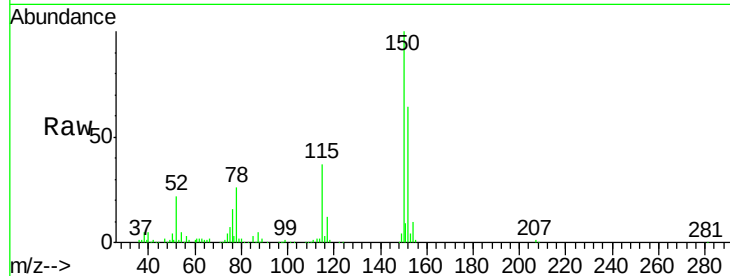
Tgt Ion:152 Resp: 119938

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.8

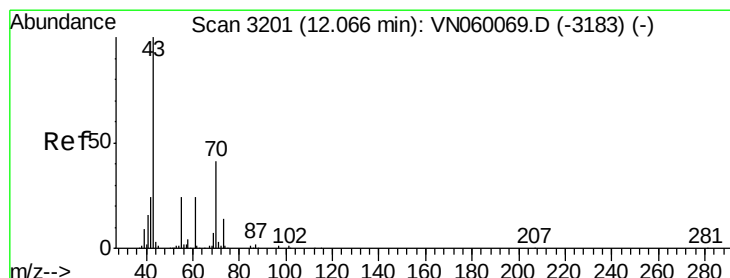
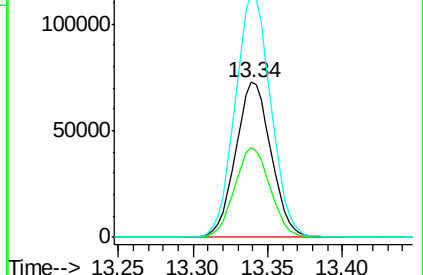
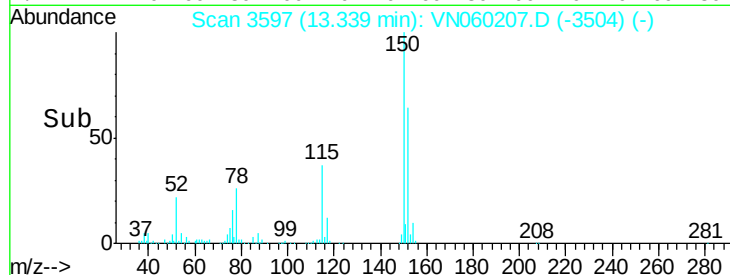
150 158.1 0.0 342.4



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: 0.66 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN060207.D

Acq: 24 Feb 2020 14:09

Tgt Ion: 43 Resp: 2131

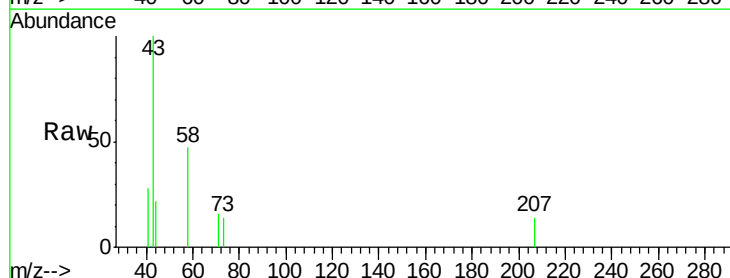
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 0.0 18.8 28.2#

61 0.0 19.2 28.8#

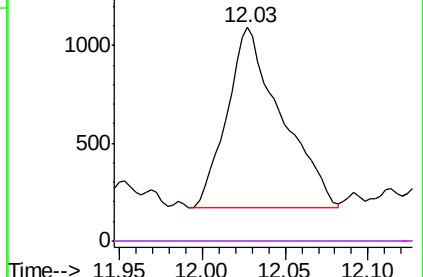
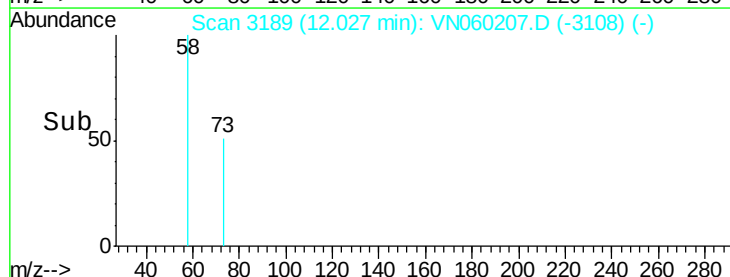


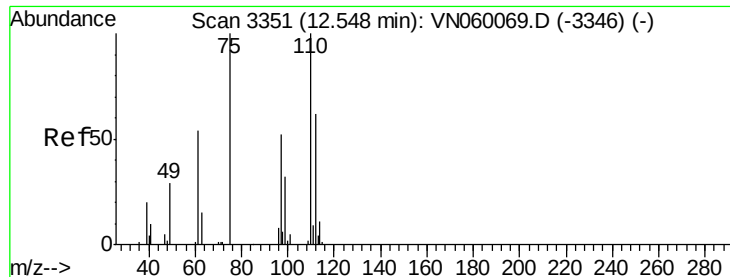
Abundance Ion 43.00 (42.70 to 43.70): V

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: 27.82 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060207.D

Acq: 24 Feb 2020 14:09

Instrument :

MSVOA_N

ClientSampleId :

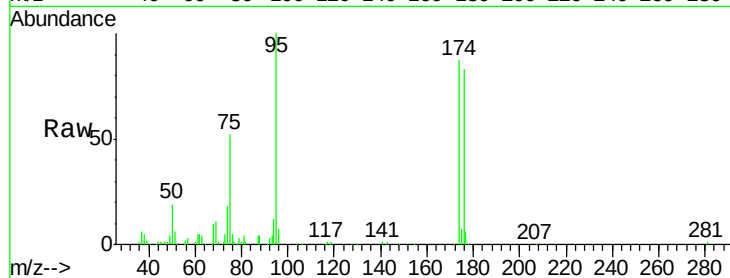
WH-2-COMP-2

Tgt Ion: 75 Resp: 63831

Ion Ratio Lower Upper

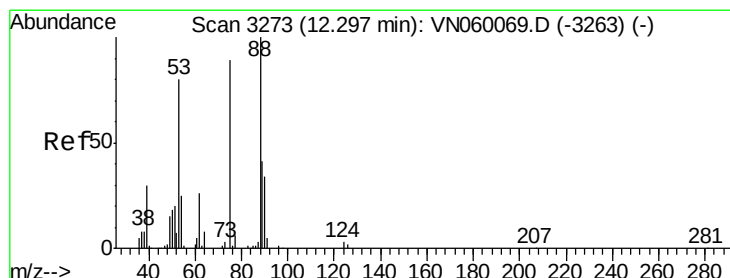
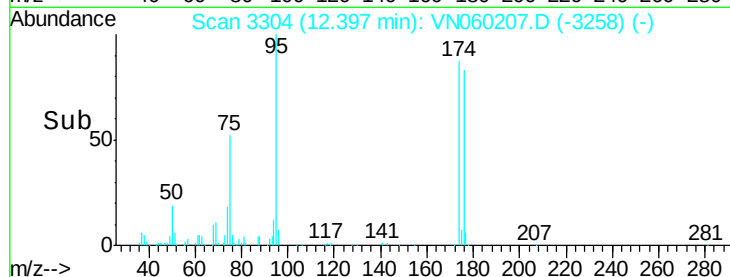
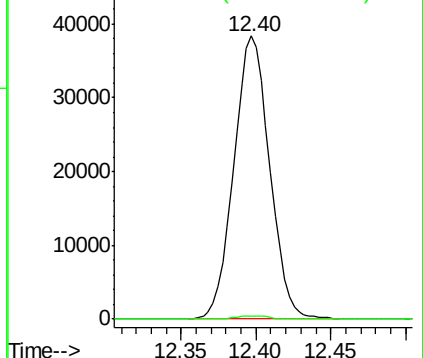
75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 68.11 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060207.D

Acq: 24 Feb 2020 14:09

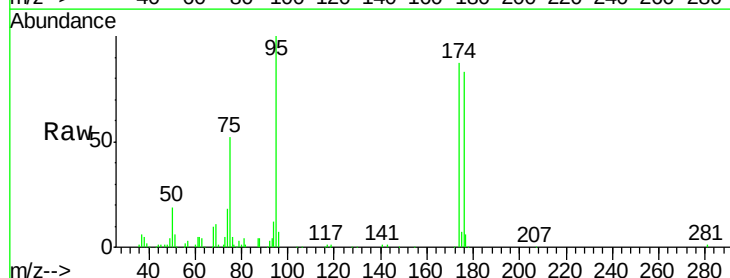
Tgt Ion: 75 Resp: 63831

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

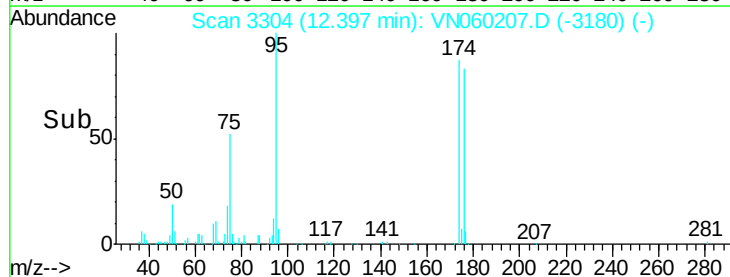
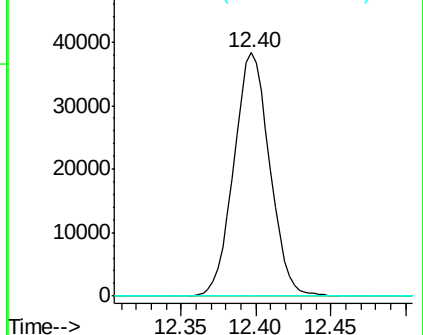
89 0.0 37.0 55.4#

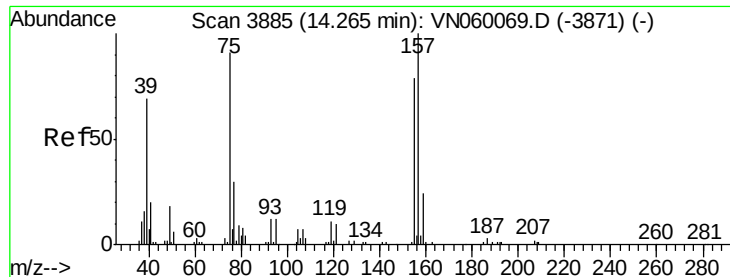


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.31 min Scan# 3898

Delta R.T. 0.04 min

Lab File: VN060207.D

Acq: 24 Feb 2020 14:09

Instrument :

MSVOA_N

ClientSampleId :

WH-2-COMP-2

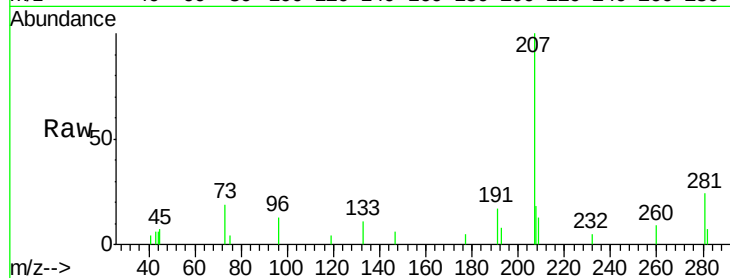
Tgt Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

155 0.0 43.0 129.0#

157 0.0 54.9 164.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

