

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060960.D
 Acq On : 15 Apr 2020 14:44
 Operator : JC/MD
 Sample : L2198-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 16 06:34:09 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	153720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	261758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	246700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110250	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	101802	48.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.48%	
35) Dibromofluoromethane	7.56	113	76883	48.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.14%	
50) Toluene-d8	10.08	98	326054	50.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.40	95	121847	51.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.86%	

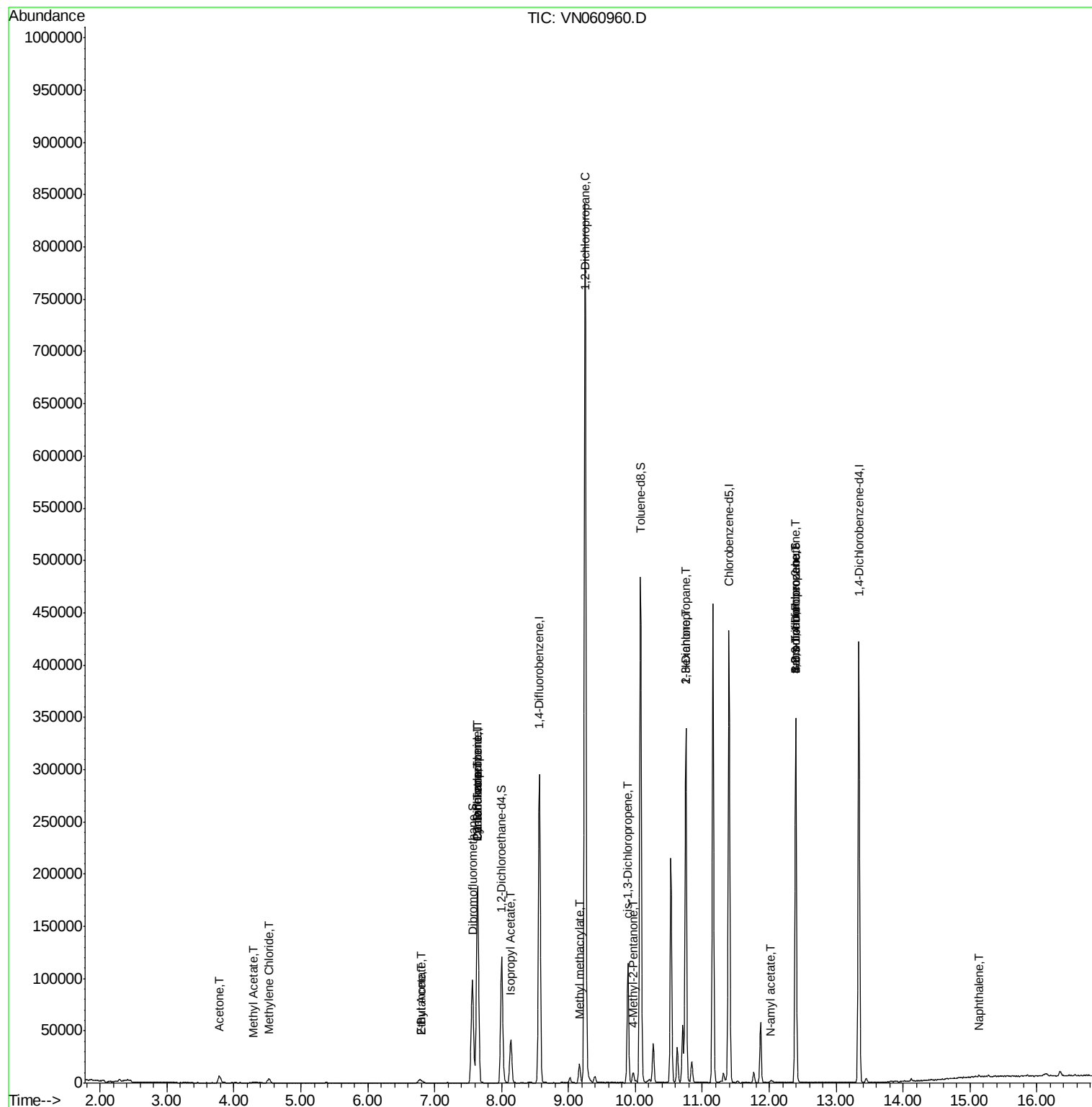
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	11981	16.028	ug/l	99
18) Methyl Acetate	4.29	43	1843	0.876	ug/l #	54
20) Methylene Chloride	4.53	84	3129	1.702	ug/l	98
25) 2-Butanone	6.80	43	3722	3.077	ug/l	94
31) Cyclohexane	7.64	56	3274	0.963	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12317	4.859	ug/l #	50
37) Ethyl Acetate	6.80	43	3722	1.359	ug/l #	70
38) Carbon Tetrachloride	7.64	117	15323	6.745	ug/l #	16
43) Isopropyl Acetate	8.14	43	50479	11.176	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	955	0.473	ug/l #	43
48) Methyl methacrylate	9.16	41	2654	1.320	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	7008	2.727	ug/l	97
54) cis-1,3-Dichloropropene	9.89	75	20229	6.329	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	3268	1.059	ug/l #	42
59) 2-Hexanone	10.75	43	50727	27.399	ug/l #	52
71) Bromoform	12.40	173	875	2.255	ug/l #	1
74) N-amyl acetate	12.02	43	3136	0.820	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	61859	26.002	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	61859	66.782	ug/l #	13
95) Naphthalene	15.13	128	1962	0.316	ug/l #	72

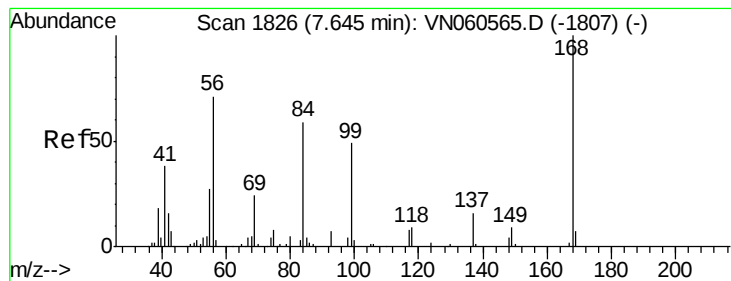
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041520\
Data File : VN060960.D
Acq On : 15 Apr 2020 14:44
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 16 06:34:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060960.D

Acq: 15 Apr 2020 14:44

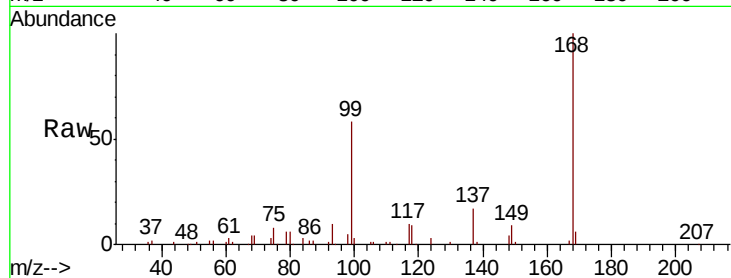
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 153720

Ion Ratio Lower Upper

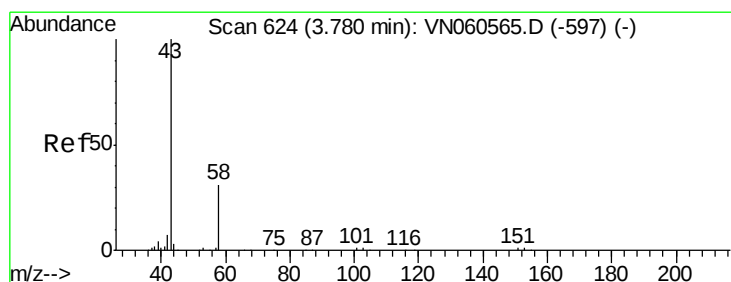
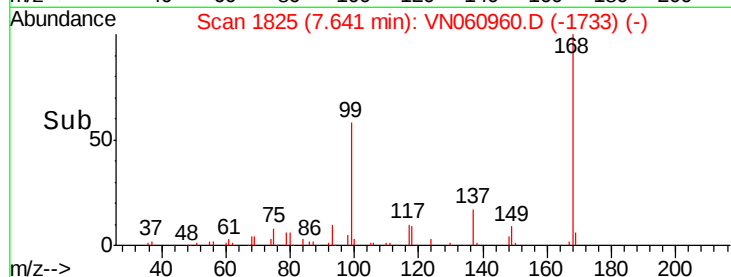
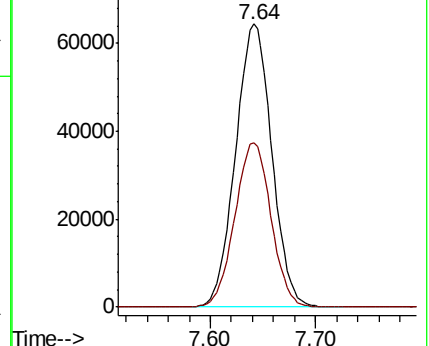
168 100

99 58.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 16.028 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060960.D

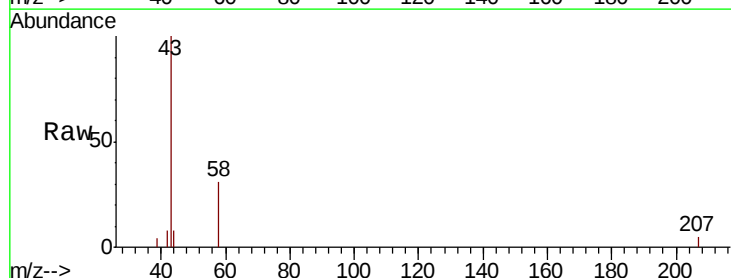
Acq: 15 Apr 2020 14:44

Tgt Ion: 43 Resp: 11981

Ion Ratio Lower Upper

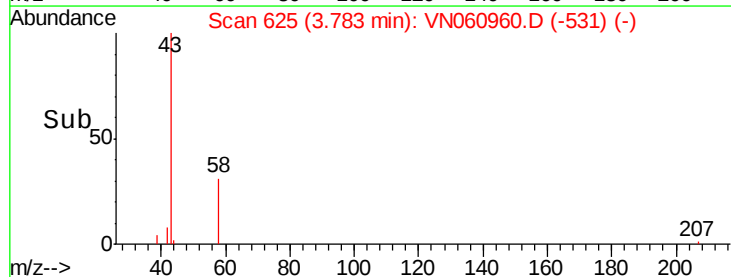
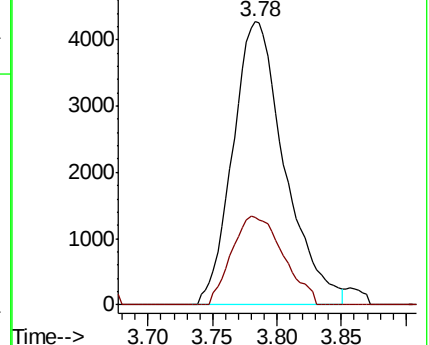
43 100

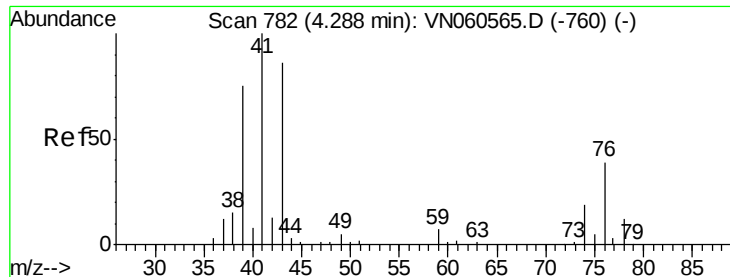
58 30.9 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

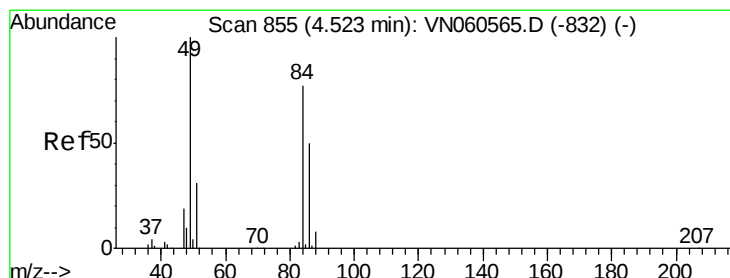
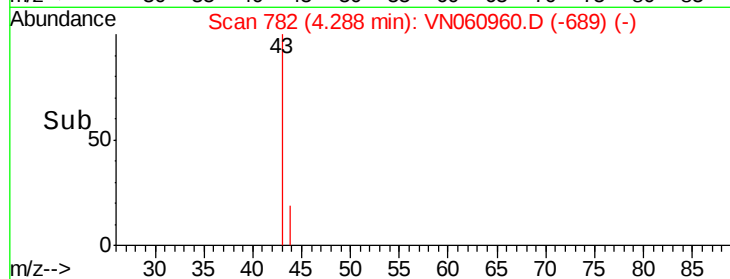
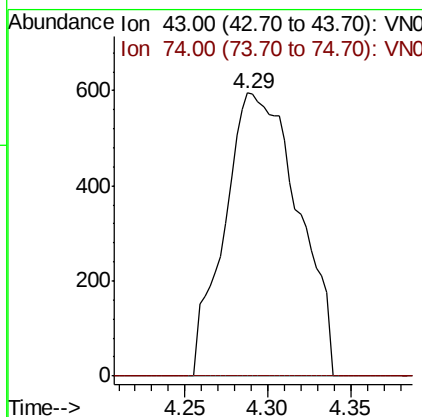
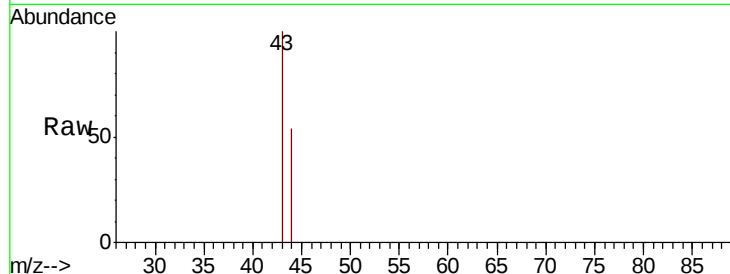




#18
Methvl Acetate
Concen: 0.876 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060960.D
Acq: 15 Apr 2020 14:44

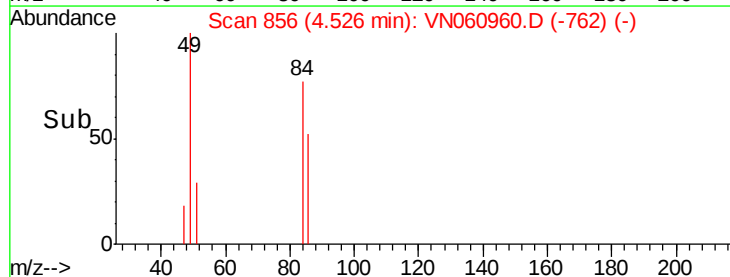
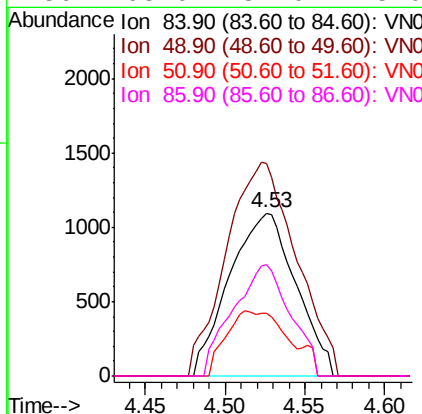
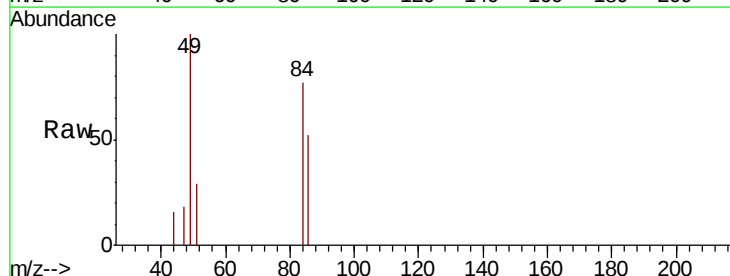
Instrument :
MSVOA_N
ClientSampleId :

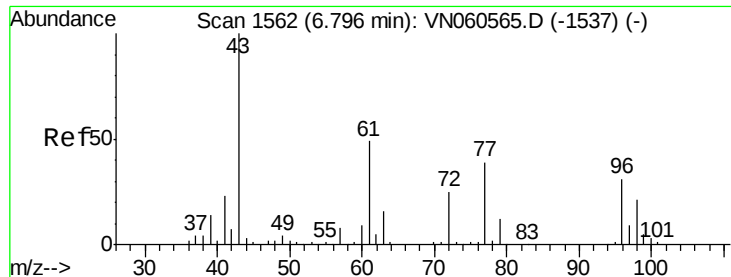
Tot Ion: 43 Resp: 1843
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.702 ug/l
RT: 4.53 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060960.D
Acq: 15 Apr 2020 14:44

Tgt Ion: 84 Resp: 3129
Ion Ratio Lower Upper
84 100
49 130.6 103.3 154.9
51 38.5 31.6 47.4
86 68.0 52.0 78.0

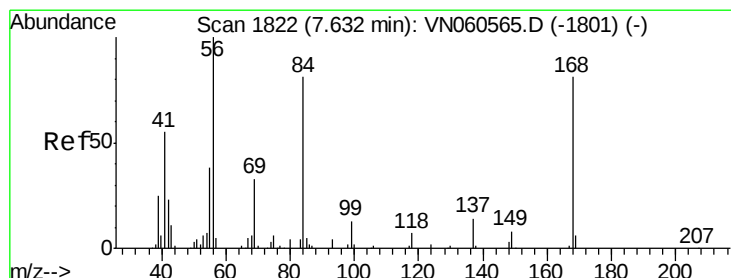
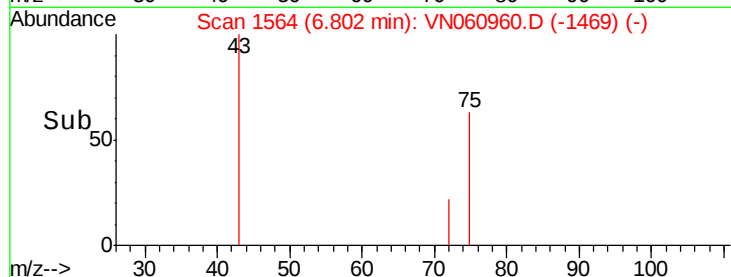
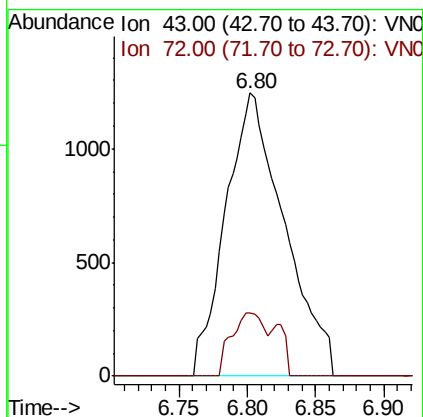
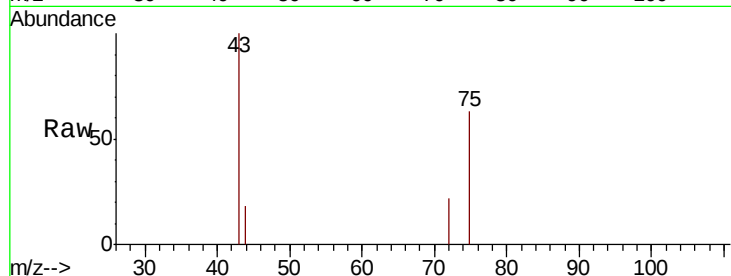




#25
2-Butanone
Concen: 3.077 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VN060960.D
Acq: 15 Apr 2020 14:44

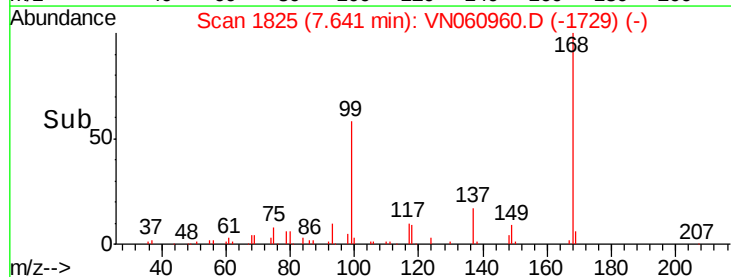
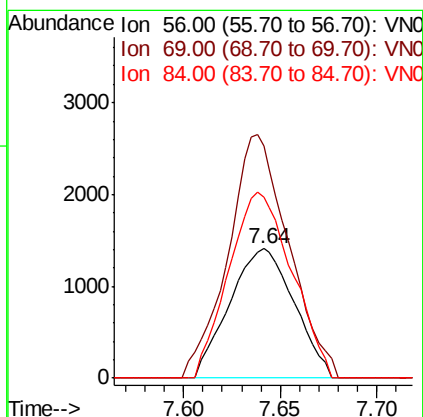
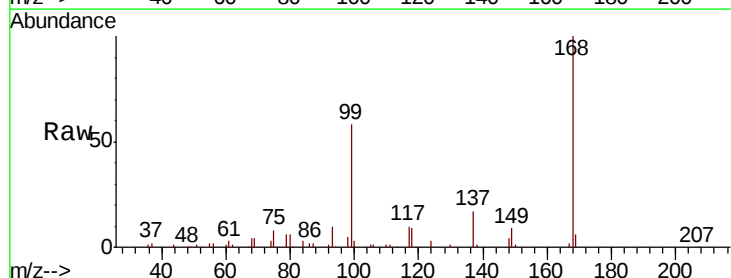
Instrument :
MSVOA_N
ClientSampled :

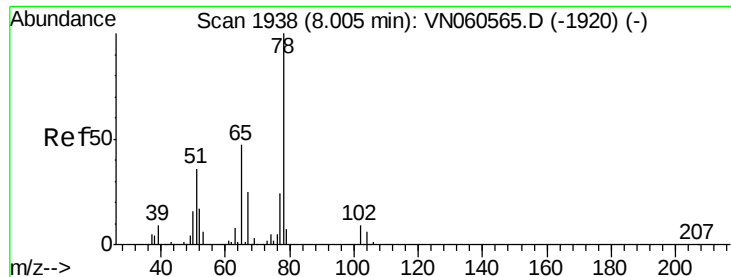
Tot Ion: 43 Resp: 3722
Ion Ratio Lower Upper
43 100
72 22.2 20.4 30.6



#31
Cyclohexane
Concen: 0.963 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060960.D
Acq: 15 Apr 2020 14:44

Tgt Ion: 56 Resp: 3274
Ion Ratio Lower Upper
56 100
69 179.9 26.6 40.0#
84 139.8 64.3 96.5#

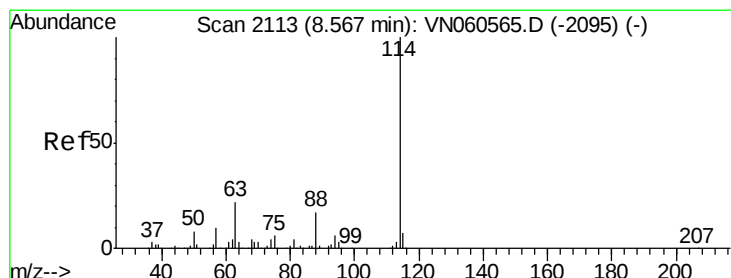
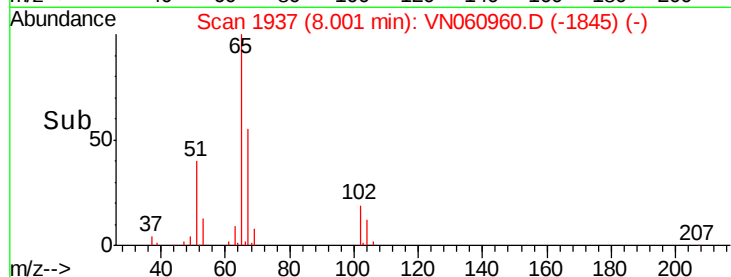
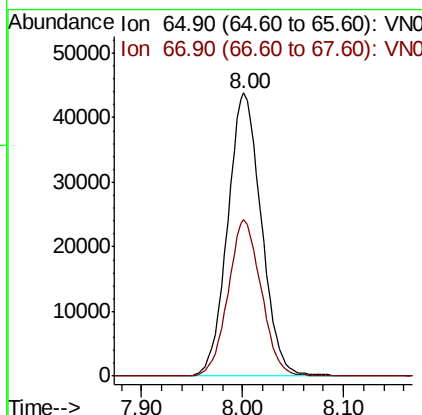
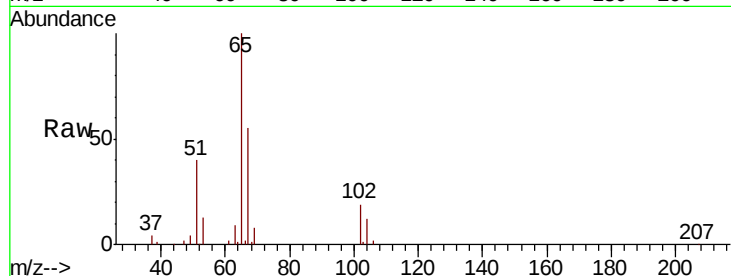




#33
 1,2-Dichloroethane-d4
 Concen: 48.242 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060960.D
 Acq: 15 Apr 2020 14:44

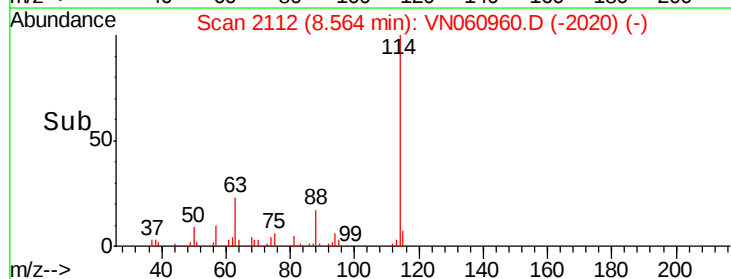
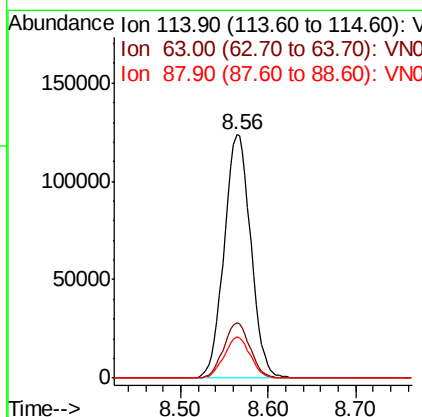
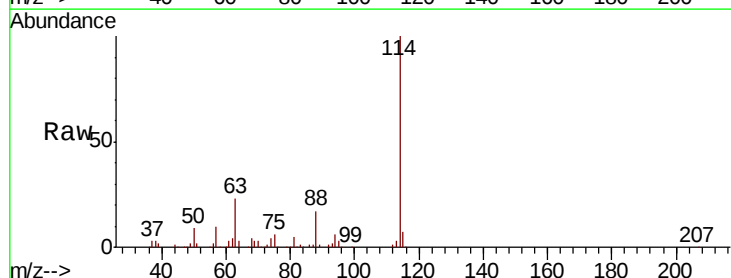
Instrument :
 MSVOA_N
 ClientSampled :

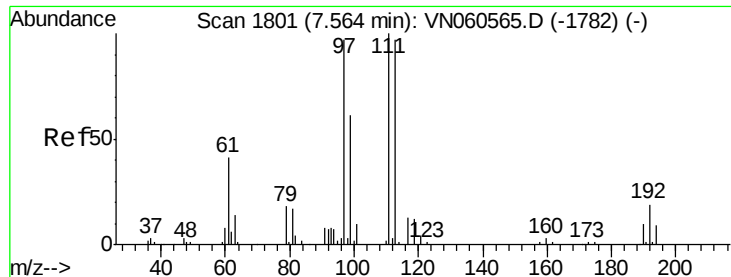
Tot Ion: 65 Resp: 101802
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060960.D
 Acq: 15 Apr 2020 14:44

Tgt Ion: 114 Resp: 261758
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.8
 88 16.8 0.0 33.0

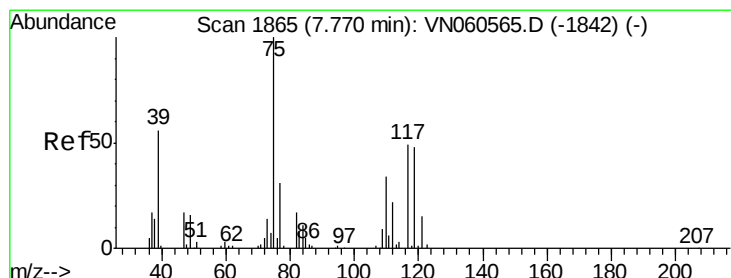
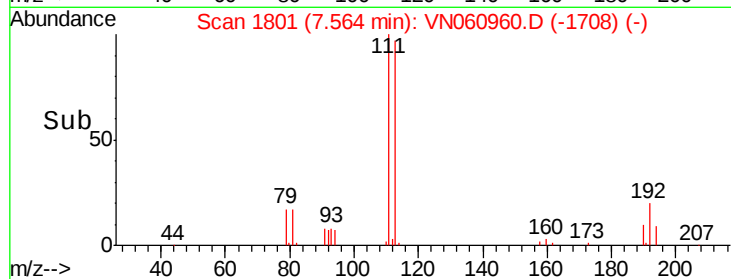
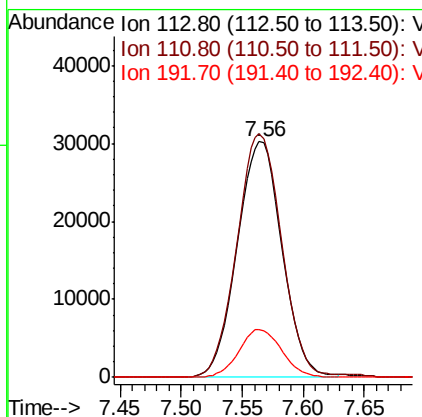
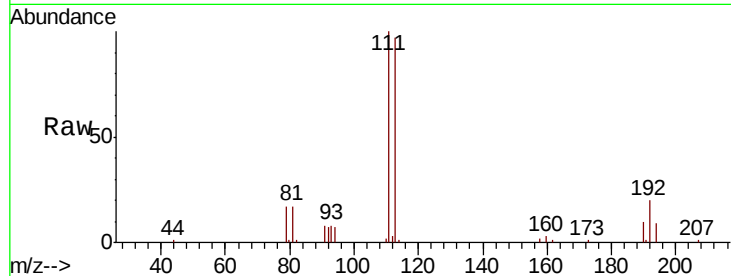




#35
 Dibromofluoromethane
 Concen: 48.575 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060960.D
 Acq: 15 Apr 2020 14:44

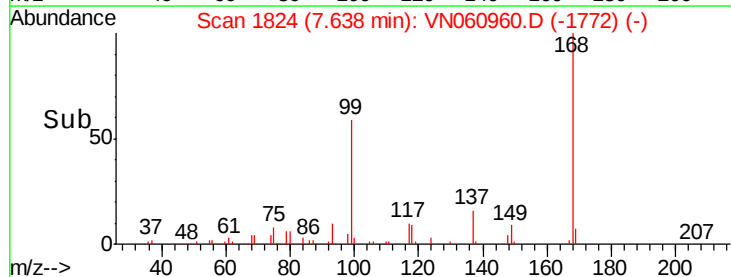
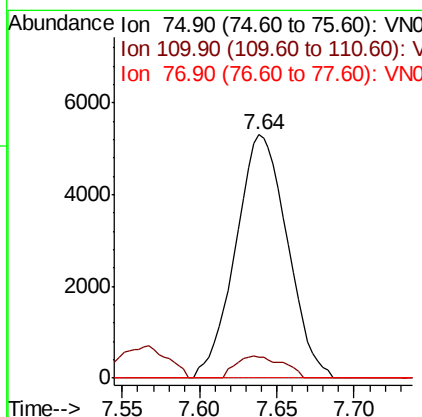
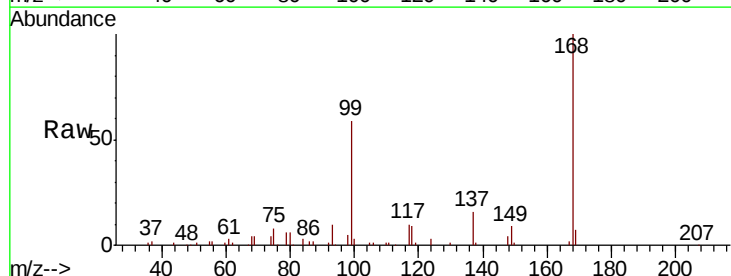
Instrument :
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 ClientSampleId :

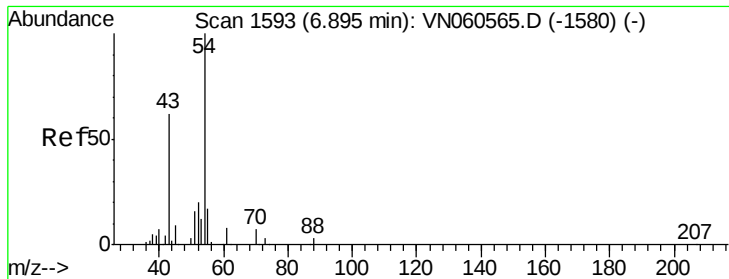
Tot Ion:113 Resp: 76883
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.9 124.3
 192 19.5 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.859 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060960.D
 Acq: 15 Apr 2020 14:44

Tgt Ion: 75 Resp: 12317
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.9 50.6#
 77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.359 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.09 min

Lab File: VN060960.D

Acq: 15 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampleId :

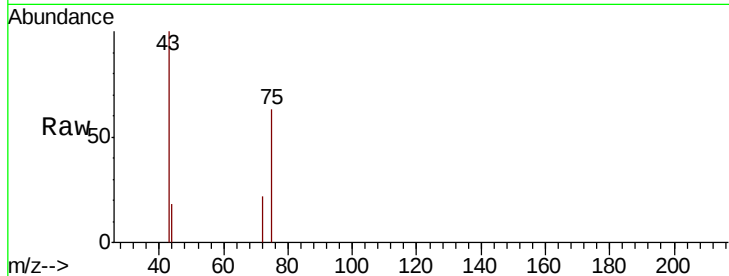
Tot Ion: 43 Resp: 3722

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

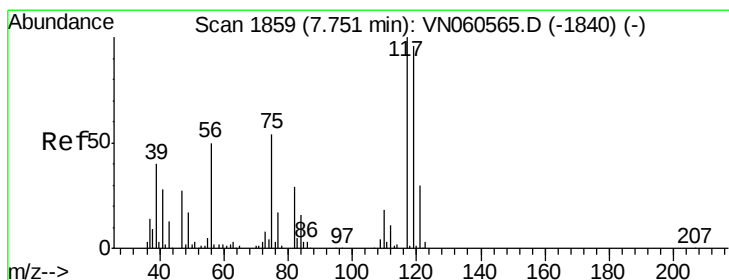
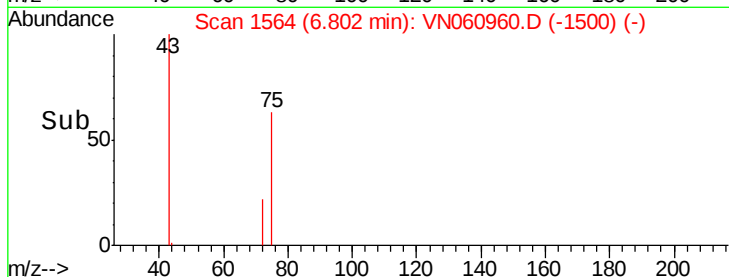
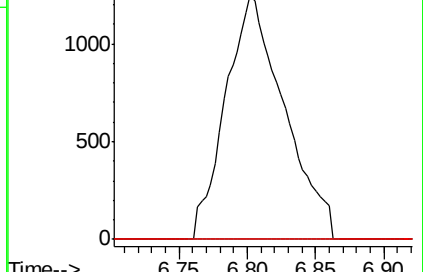
70 0.0 7.9 11.9#



Abundance Ion 43.00 (42.70 to 43.70): VN060960.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060960.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060960.D (-1500) (-)



#38

Carbon Tetrachloride

Concen: 6.745 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.11 min

Lab File: VN060960.D

Acq: 15 Apr 2020 14:44

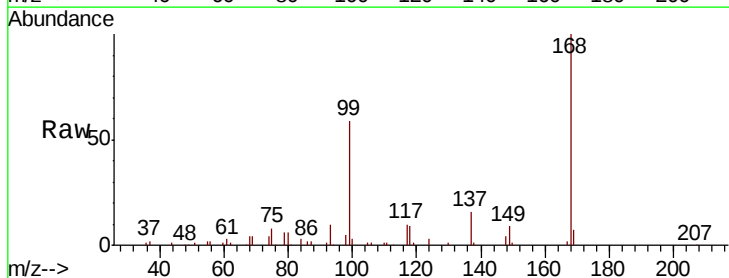
Tgt Ion: 117 Resp: 15323

Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.2#

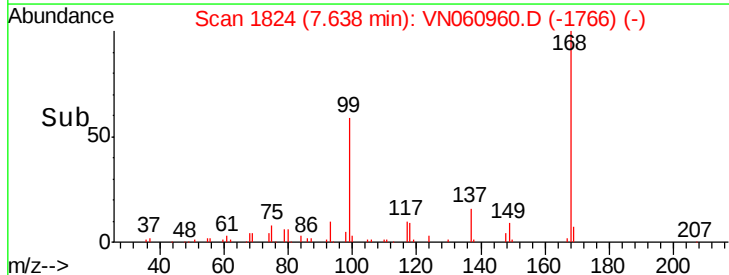
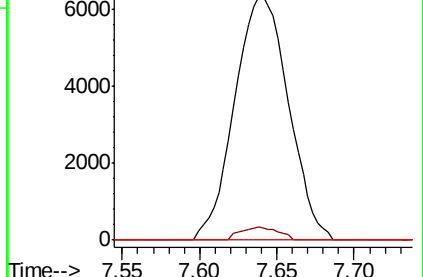
121 0.0 23.7 35.5#

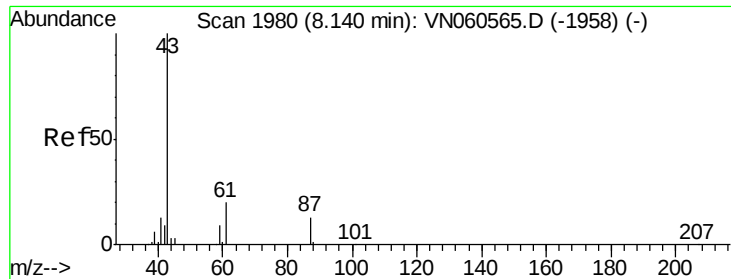


Abundance Ion 116.80 (116.50 to 117.50): VN060960.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060960.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060960.D (-1766) (-)





#43

Isopropyl Acetate

Concen: 11.176 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060960.D

Acq: 15 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampled :

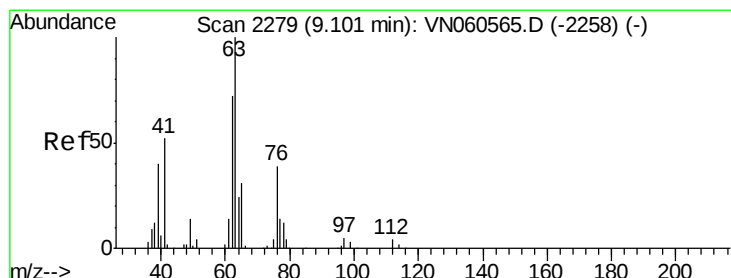
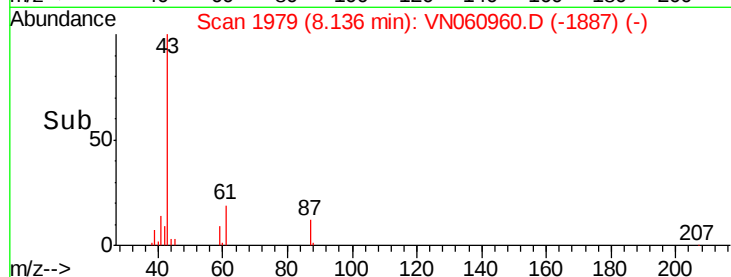
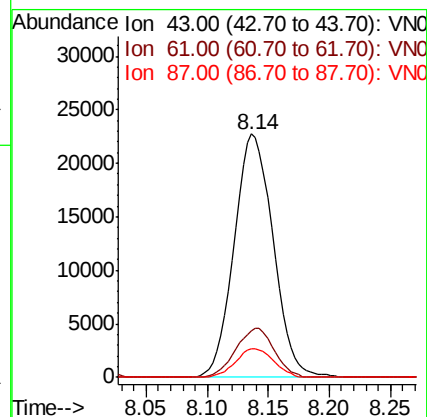
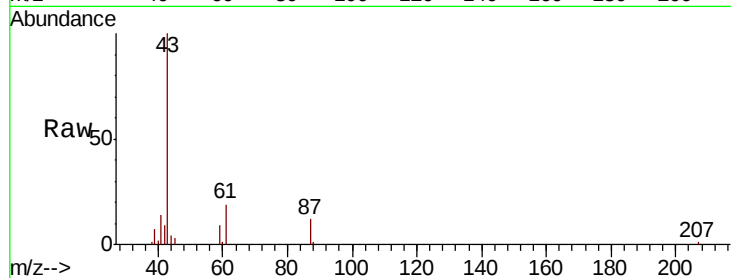
Tot Ion: 43 Resp: 50479

Ion Ratio Lower Upper

43 100

61 19.6 20.7 31.1#

87 11.4 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.473 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060960.D

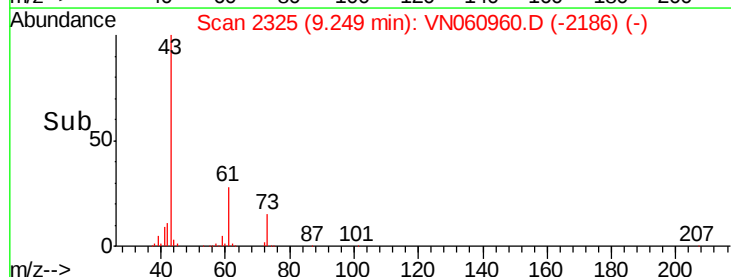
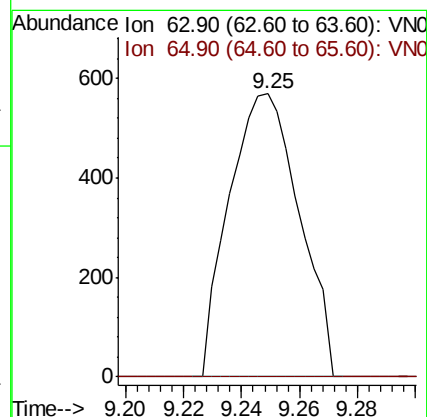
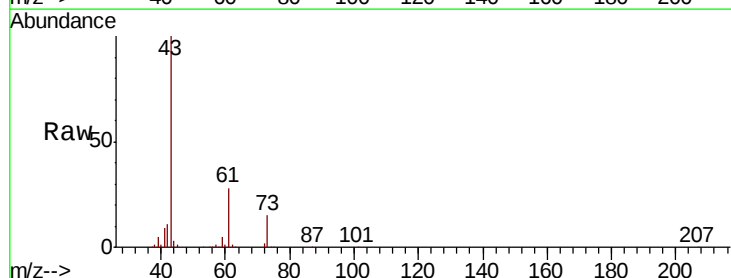
Acq: 15 Apr 2020 14:44

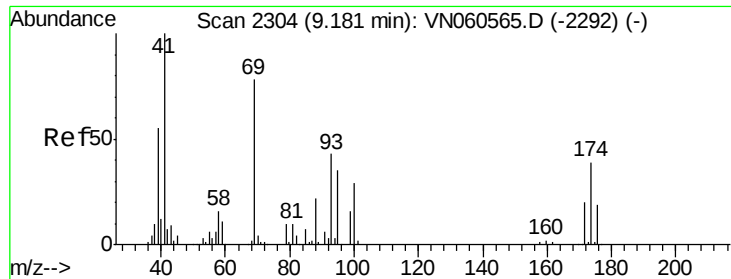
Tgt Ion: 63 Resp: 955

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

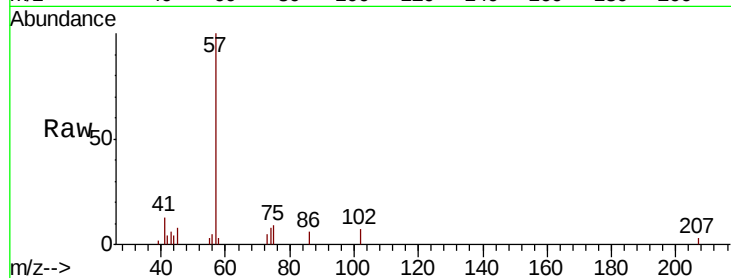




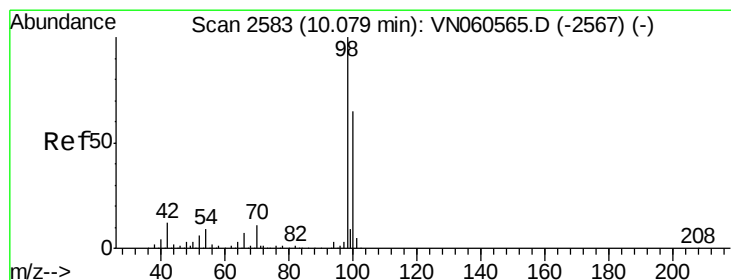
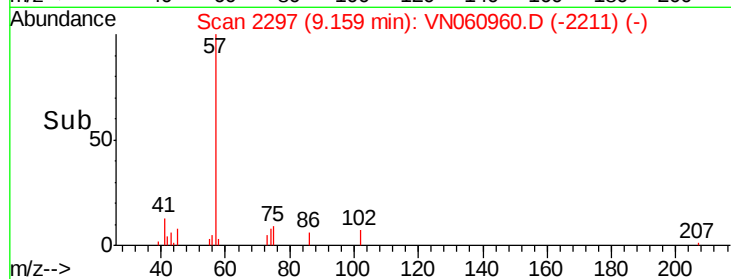
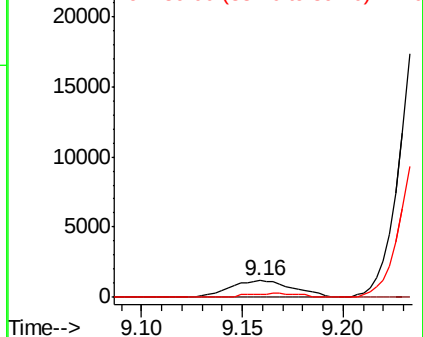
#48
Methvl methacrylate
Concen: 1.320 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060960.D
Acq: 15 Apr 2020 14:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 2654
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#

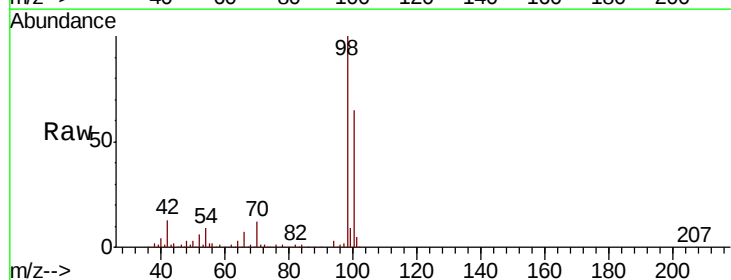


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

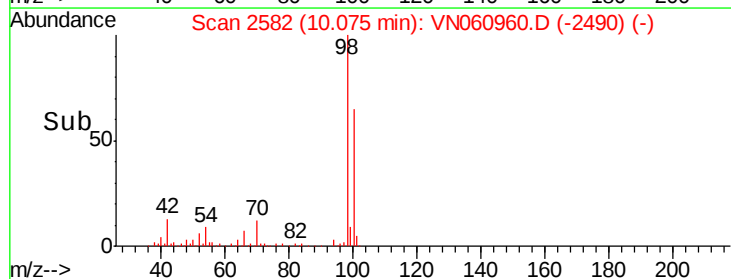
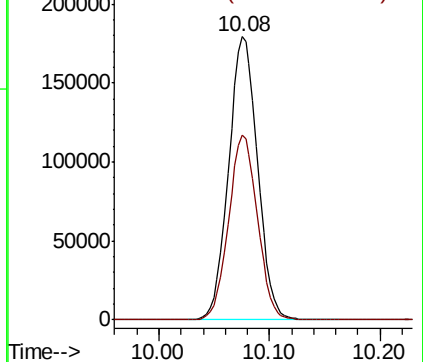


#50
Toluene-d8
Concen: 50.434 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060960.D
Acq: 15 Apr 2020 14:44

Tgt Ion: 98 Resp: 326054
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VNC
Ion 100.00 (99.70 to 100.70): VNC





#51

4-Methyl-2-Pentanone

Concen: 2.727 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060960.D

Acq: 15 Apr 2020 14:44

Instrument :

MSVOA_N

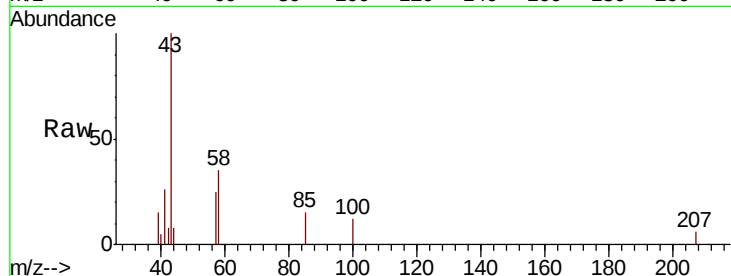
ClientSampled :

Tot Ion: 43 Resp: 7008

Ion Ratio Lower Upper

43 100

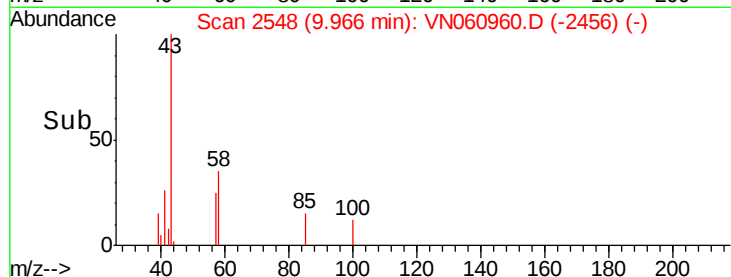
58 36.5 30.8 46.2



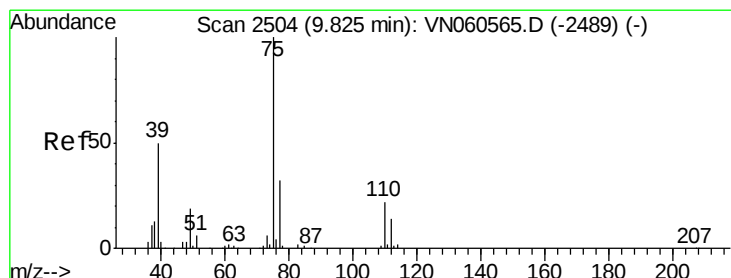
Abundance Ion 43.00 (42.70 to 43.70): VN060960.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060960.D (-2456) (-)

Time-->



Time-->



#54

cis-1,3-Dichloropropene

Concen: 6.329 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060960.D

Acq: 15 Apr 2020 14:44

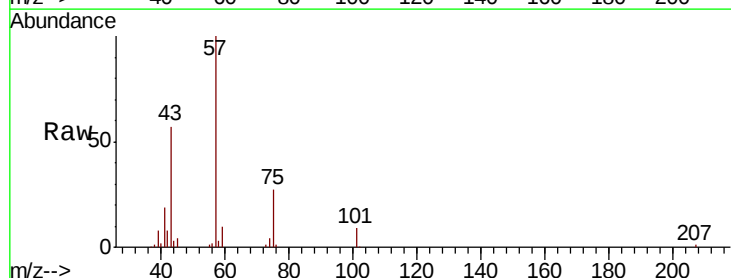
Tgt Ion: 75 Resp: 20229

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 29.7 40.2 60.4#

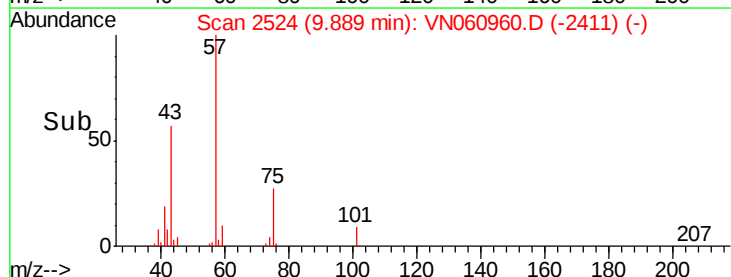


Abundance Ion 74.90 (74.60 to 75.60): VN060960.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060960.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060960.D (-2411) (-)

Time-->



Time-->



#57

1,3-Dichloropropane

Concen: 1.059 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060960.D

Acq: 15 Apr 2020 14:44

Instrument :

MSVOA_N

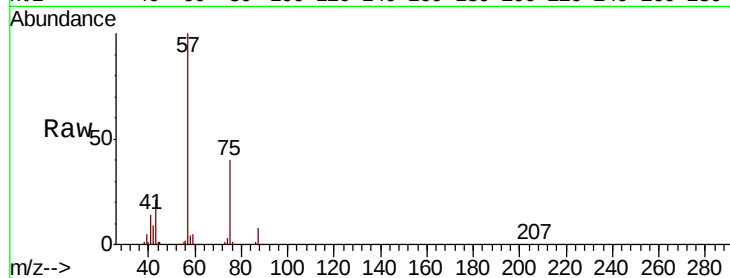
ClientSampled :

Tot Ion: 76 Resp: 3268

Ion Ratio Lower Upper

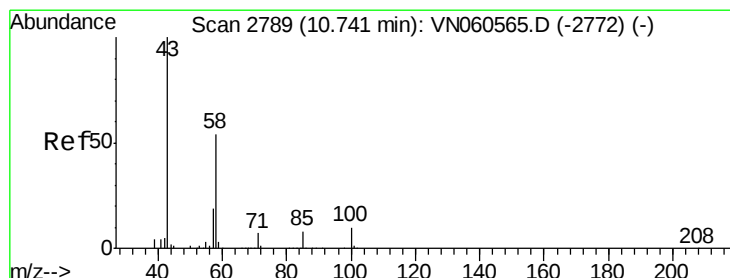
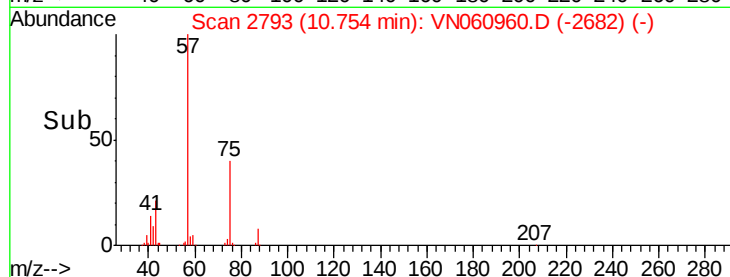
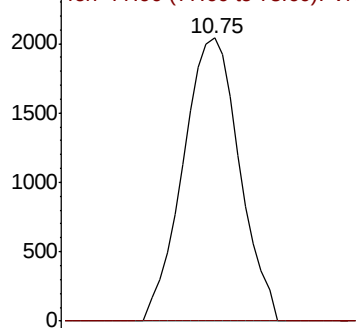
76 100

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: 27.399 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060960.D

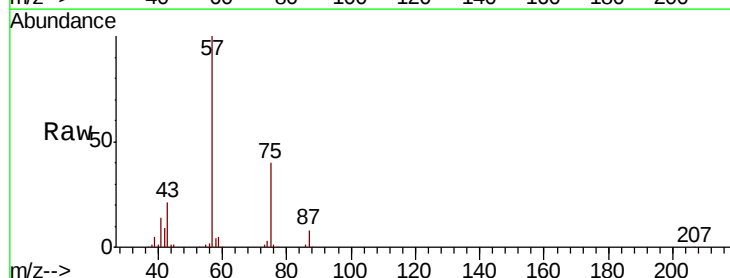
Acq: 15 Apr 2020 14:44

Tgt Ion: 43 Resp: 50727

Ion Ratio Lower Upper

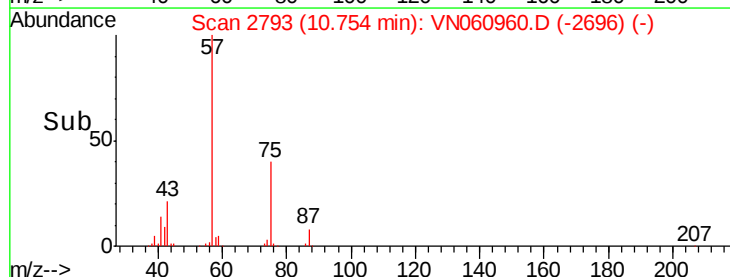
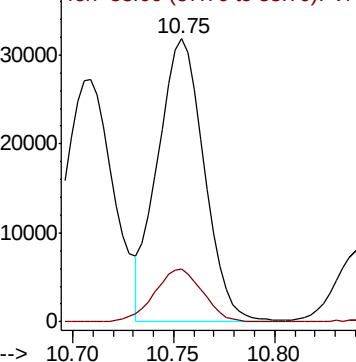
43 100

58 19.3 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 51.427 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060960.D

Acq: 15 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

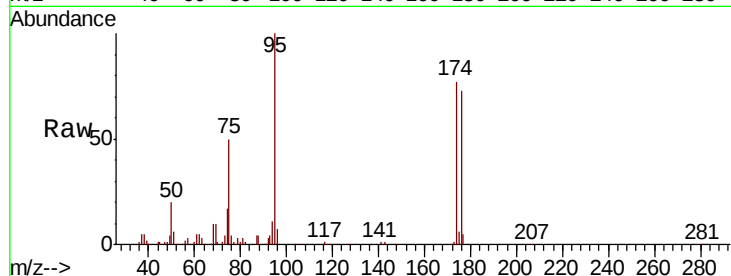
Tot Ion: 95 Resp: 121847

Ion Ratio Lower Upper

95 100

174 76.1 0.0 157.6

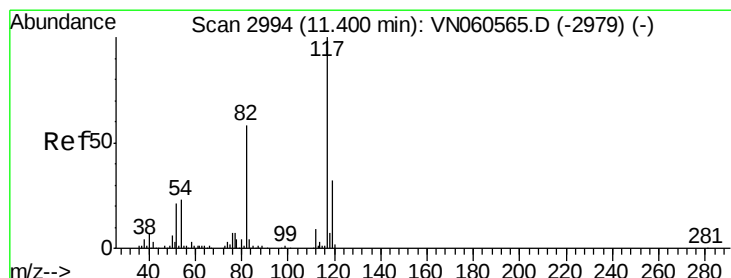
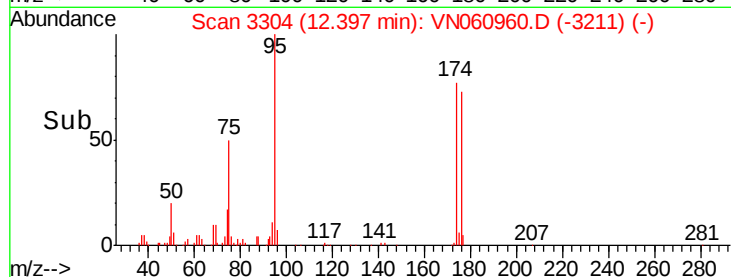
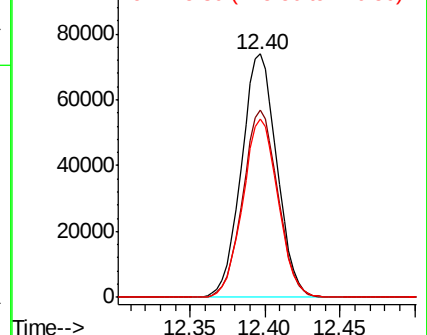
176 73.0 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060960.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060960.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060960.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060960.D

Acq: 15 Apr 2020 14:44

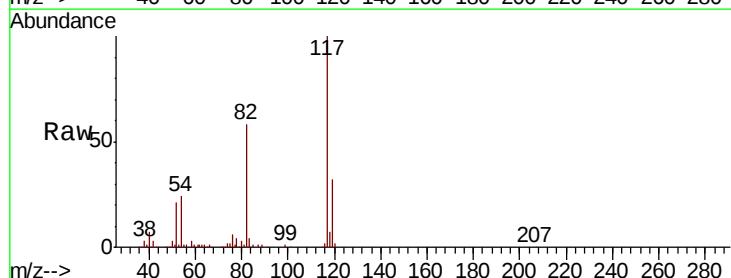
Tgt Ion: 117 Resp: 246700

Ion Ratio Lower Upper

117 100

82 57.9 46.7 70.1

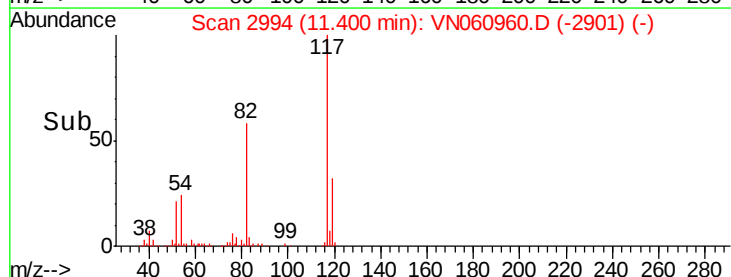
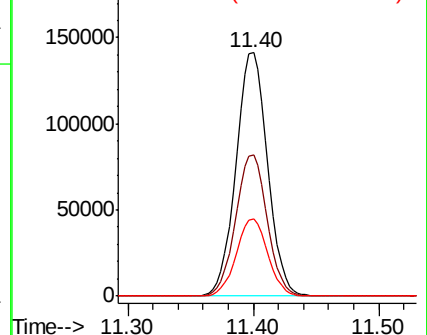
119 31.7 25.5 38.3

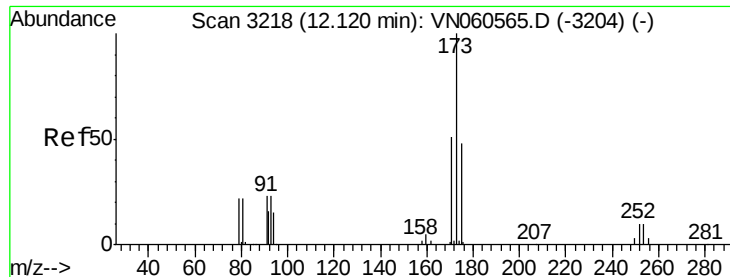


Abundance Ion 116.90 (116.60 to 117.60): VN060960.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060960.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060960.D (-2979) (-)





#71

Bromoform

Concen: 2.255 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN060960.D

Acq: 15 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

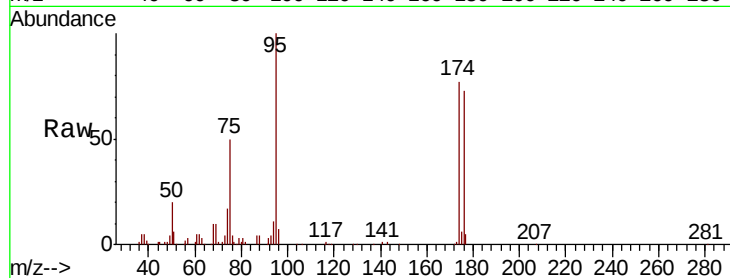
Tot Ion:173 Resp: 875

Ion Ratio Lower Upper

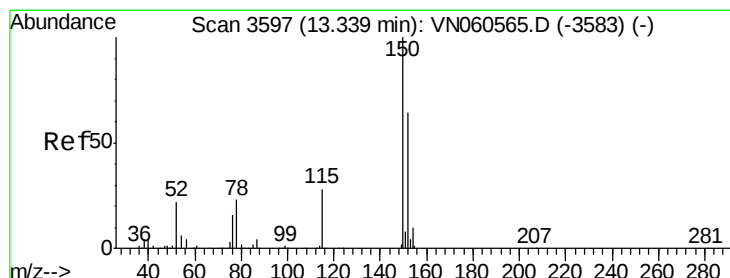
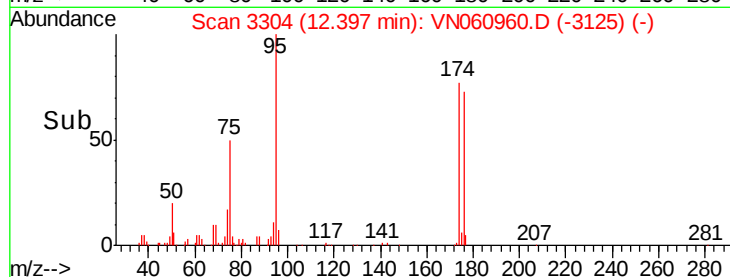
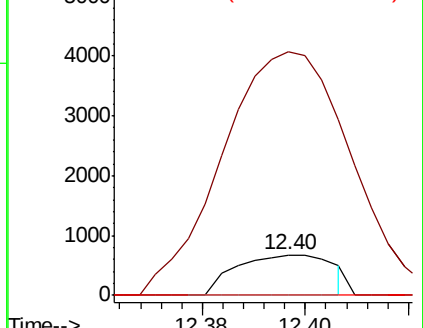
173 100

175 685.4 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: VN060960.D

Acq: 15 Apr 2020 14:44

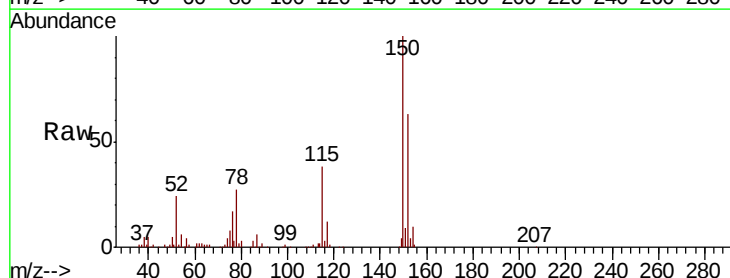
Tgt Ion:152 Resp: 110250

Ion Ratio Lower Upper

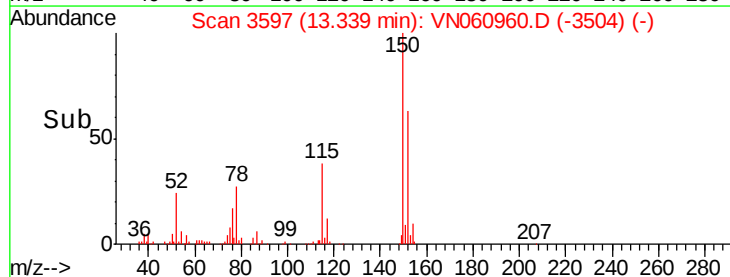
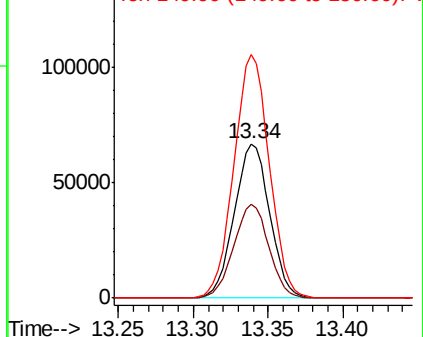
152 100

115 60.4 30.2 90.6

150 157.8 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-amvl acetate

Concen: 0.820 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060960.D

Acq: 15 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 3136

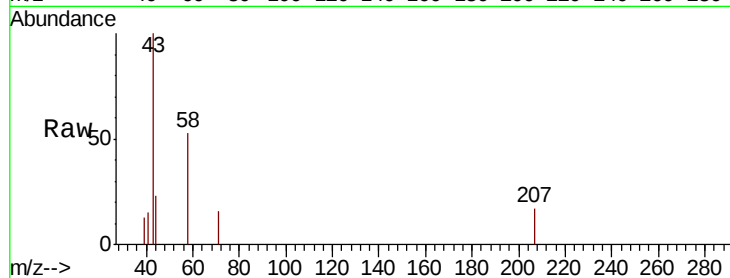
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

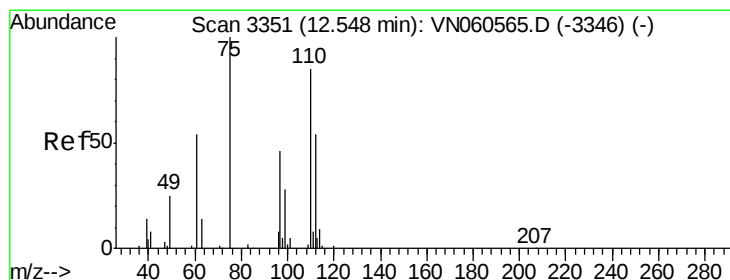
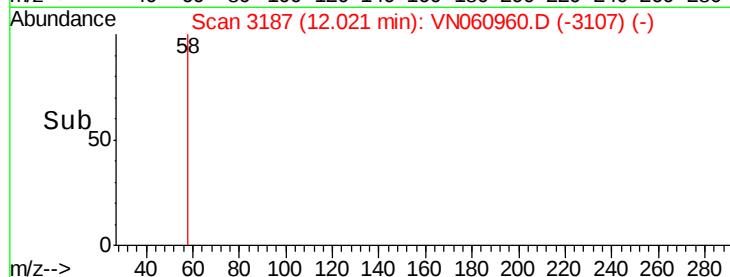
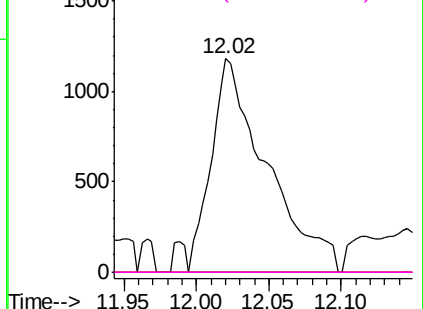


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 26.002 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060960.D

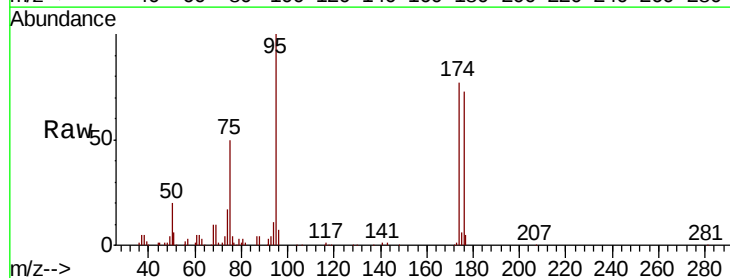
Acq: 15 Apr 2020 14:44

Tgt Ion: 75 Resp: 61859

Ion Ratio Lower Upper

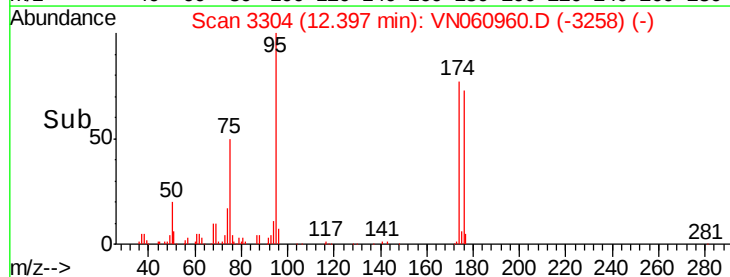
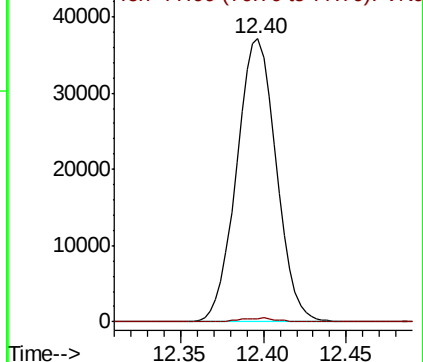
75 100

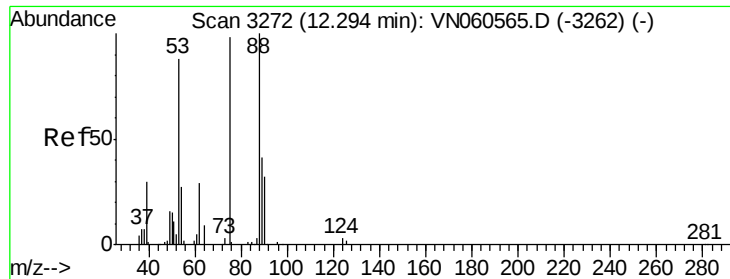
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 66.782 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060960.D

Acq: 15 Apr 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

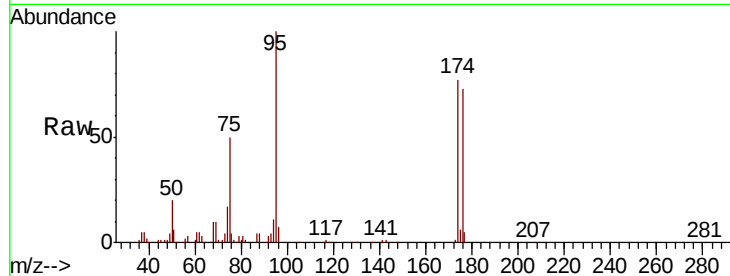
Tot Ion: 75 Resp: 61859

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

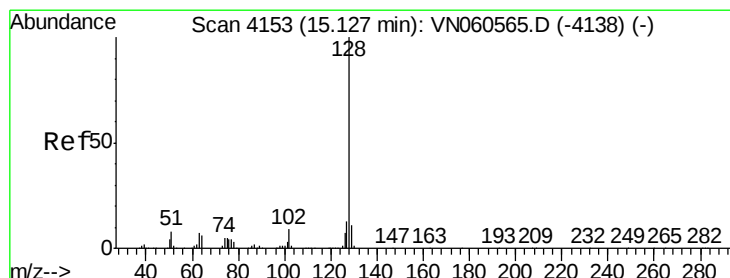
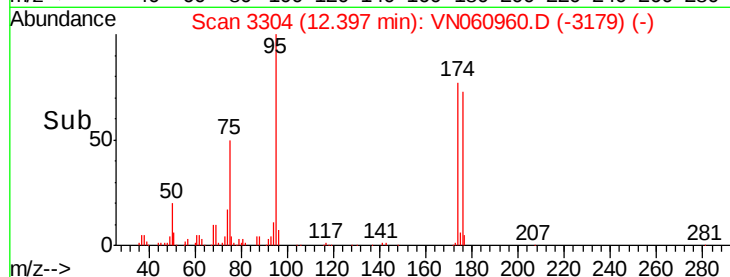
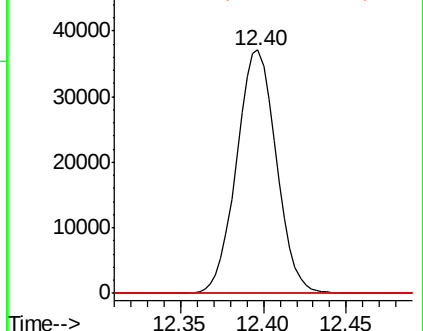
89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060960.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060960.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060960.D (-3179) (-)



#95

Naphthalene

Concen: 0.316 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060960.D

Acq: 15 Apr 2020 14:44

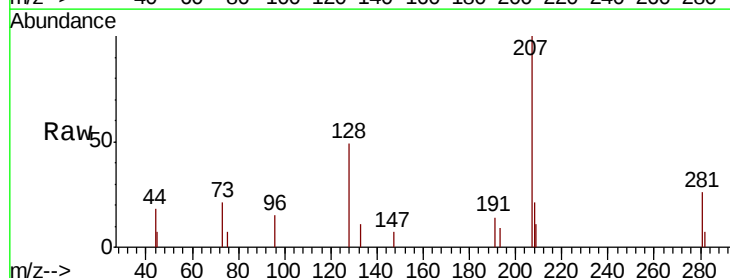
Tgt Ion: 128 Resp: 1962

Ion Ratio Lower Upper

128 100

127 1.6 10.2 15.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VN060960.D (-4060) (-)

Ion 127.00 (126.70 to 127.70): VN060960.D (-4060) (-)

Ion 129.00 (128.70 to 129.70): VN060960.D (-4060) (-)

