

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061120\
 Data File : VN061751.D
 Acq On : 11 Jun 2020 16:50
 Operator : JC/MD
 Sample : L2988-08 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 12 05:46:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	292960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	488305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	480466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	208810	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	160942	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
35) Dibromofluoromethane	7.55	113	138503	55.91	ug/l	0.00
Spiked Amount			Recovery	=	111.82%	
50) Toluene-d8	10.06	98	591718	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.38	95	200210	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	

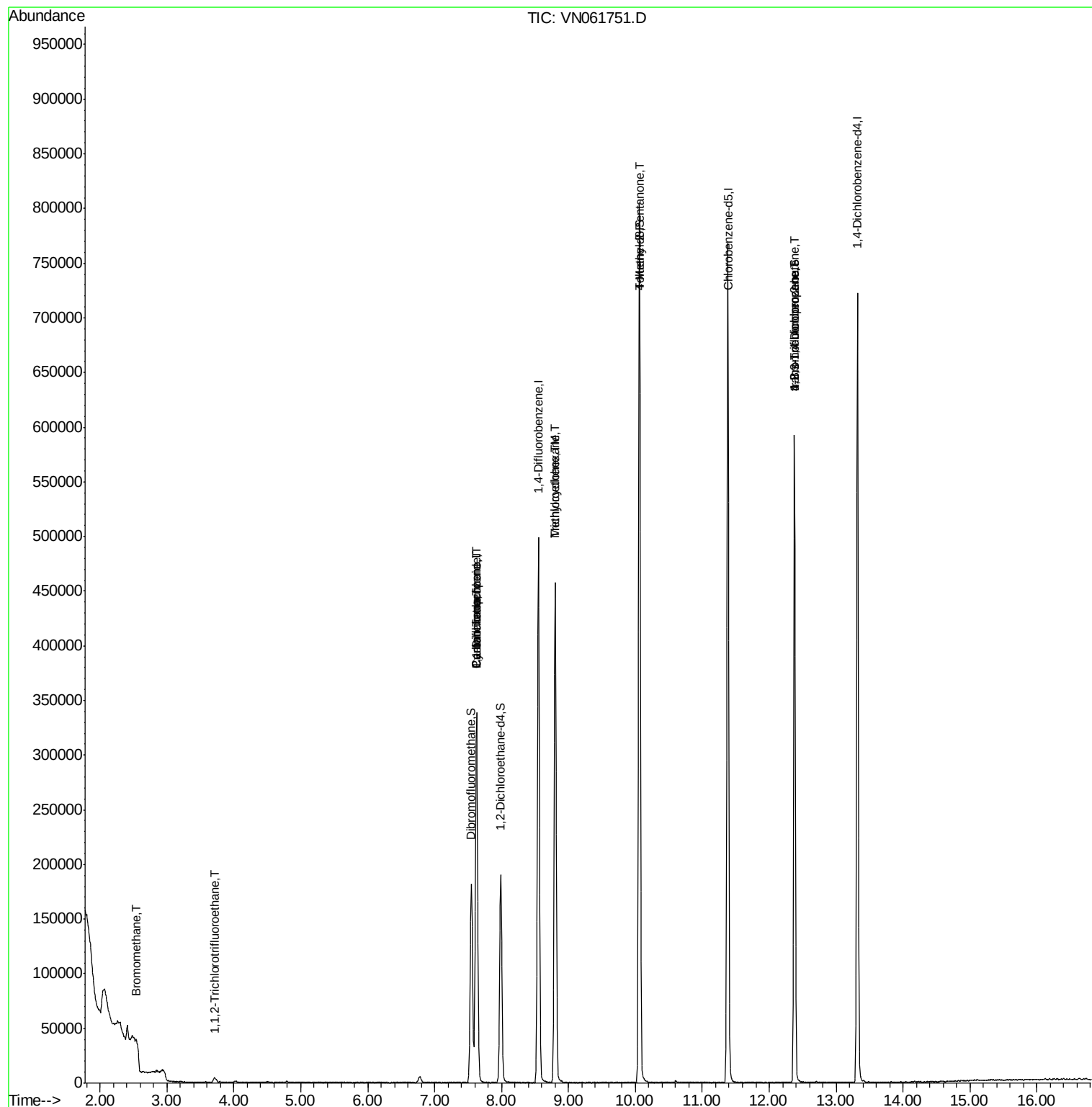
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	634	0.226	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	2808	1.002	ug/l	99
16) Acetone	3.79	43	1119	Below Cal		90
20) Methylene Chloride	4.51	84	527	Below Cal	#	25
31) Cyclohexane	7.63	56	5155	1.048	ug/l #	7
36) 1,1-Dichloropropene	7.63	75	19821	4.585	ug/l #	49
38) Carbon Tetrachloride	7.63	117	26737	6.412	ug/l #	16
39) Methylcyclohexane	8.80	83	2112	0.396	ug/l #	1
44) Trichloroethene	8.80	130	183162	44.685	ug/l	94
51) 4-Methyl-2-Pentanone	10.06	43	1799	0.510	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	96455	25.403	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	96455	64.963	ug/l #	15

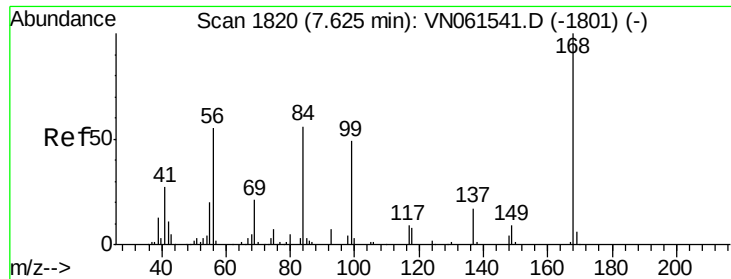
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061751.D

Acq: 11 Jun 2020 16:50

Instrument :

MSVOA_N

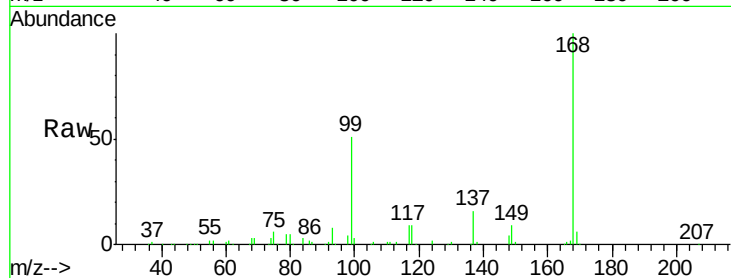
ClientSampled :

Tot Ion:168 Resp: 292960

Ion Ratio Lower Upper

168 100

99 51.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

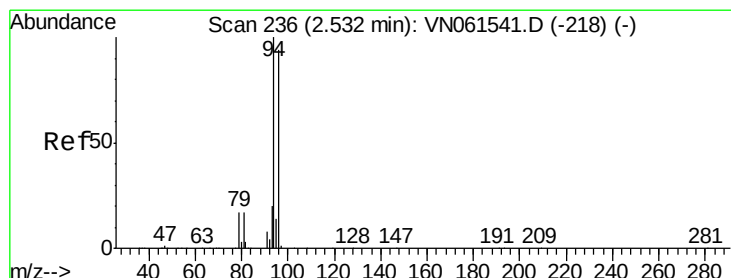
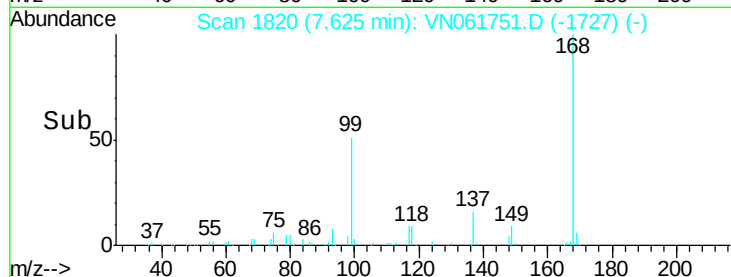
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.226 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.02 min

Lab File: VN061751.D

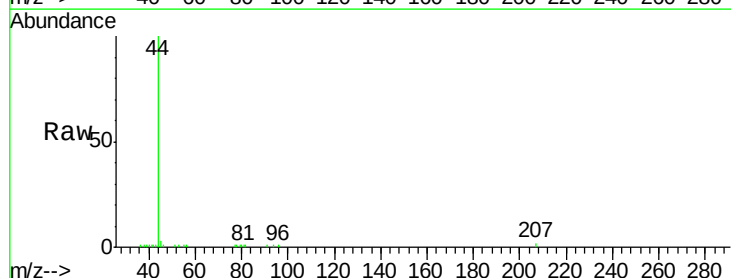
Acq: 11 Jun 2020 16:50

Tgt Ion: 94 Resp: 634

Ion Ratio Lower Upper

94 100

96 96.0 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

400

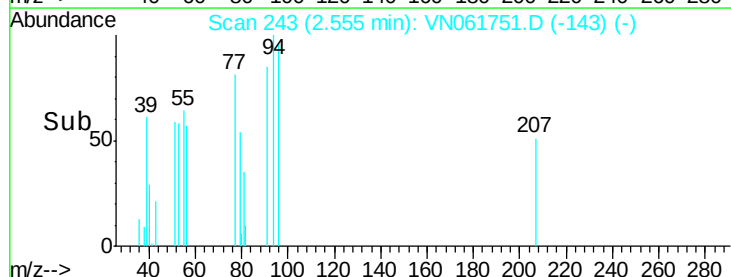
300

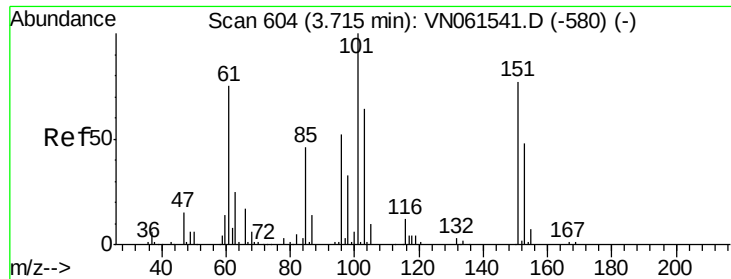
200

100

0

Time--> 2.50 2.55 2.60





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.002 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061751.D

Acq: 11 Jun 2020 16:50

Instrument :

MSVOA_N

ClientSampled :

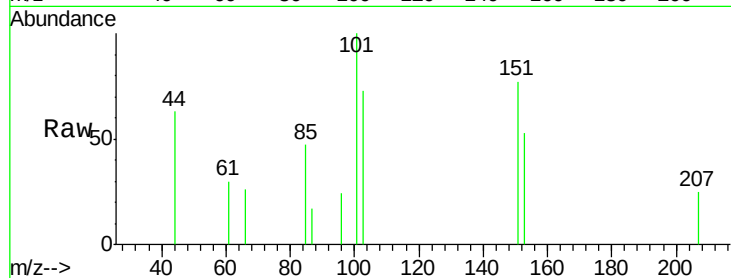
Tot Ion:101 Resp: 2808

Ion Ratio Lower Upper

101 100

85 46.2 35.2 52.8

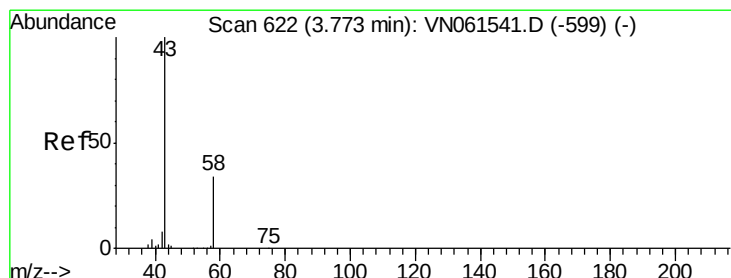
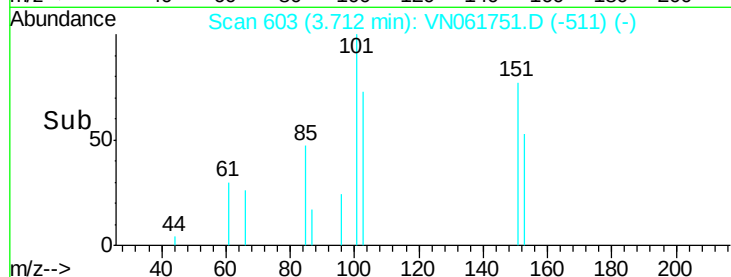
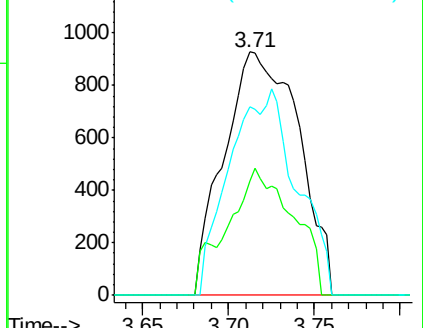
151 76.5 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN061751.D

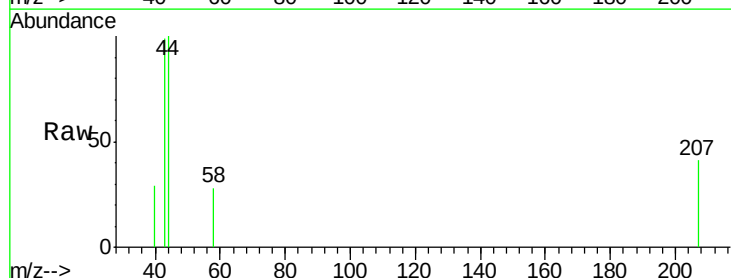
Acq: 11 Jun 2020 16:50

Tgt Ion: 43 Resp: 1119

Ion Ratio Lower Upper

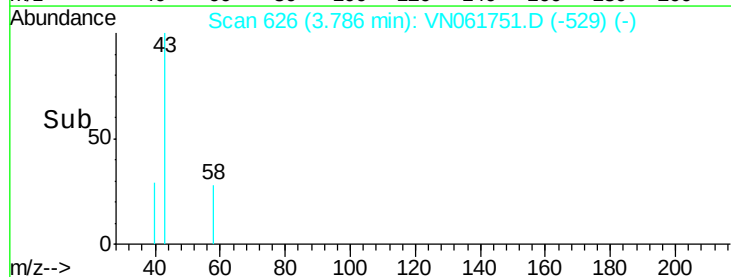
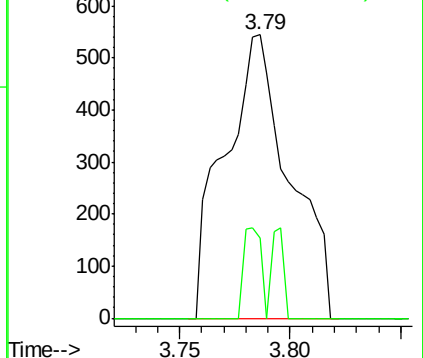
43 100

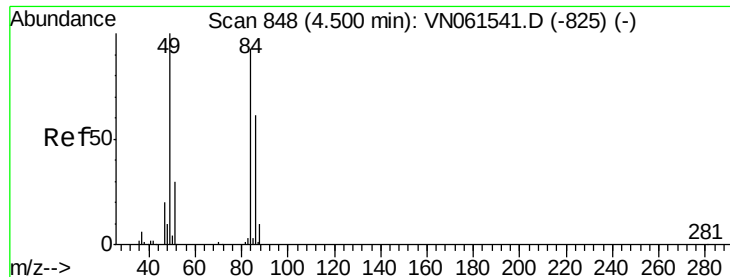
58 28.3 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

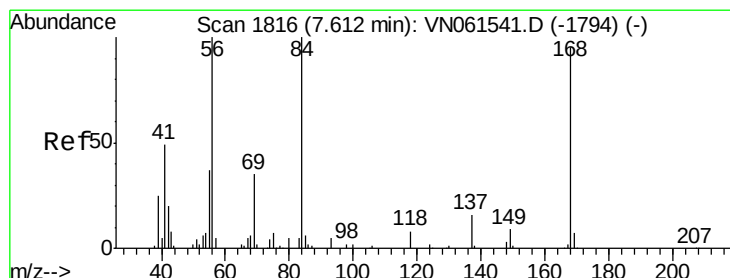
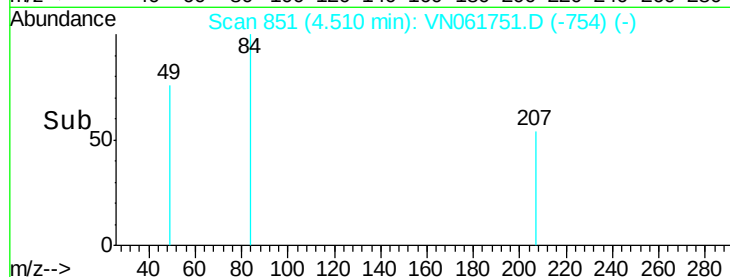
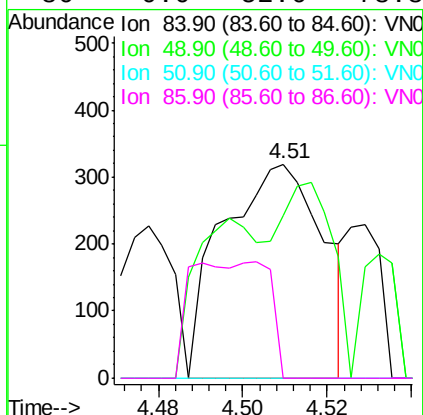
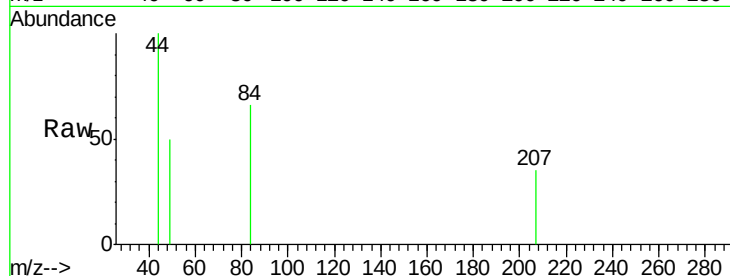




#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN061751.D
Acq: 11 Jun 2020 16:50

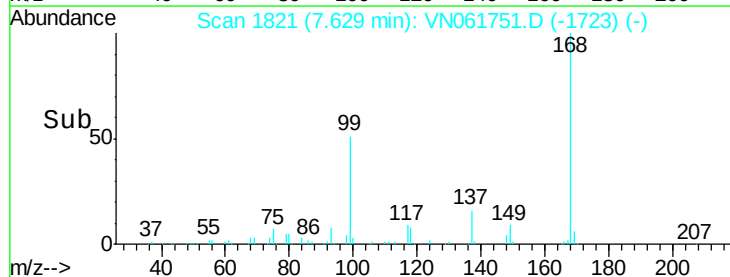
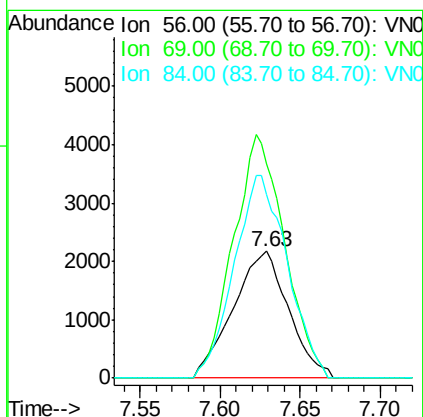
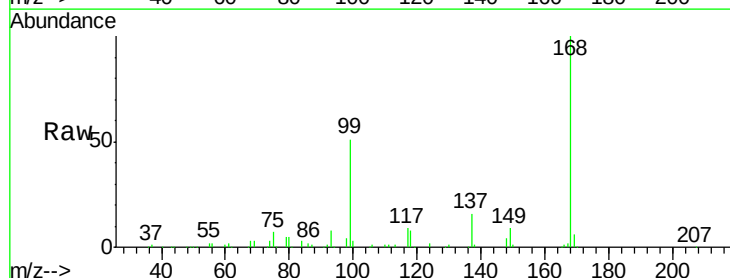
Instrument :
MSVOA_N
ClientSampleId :

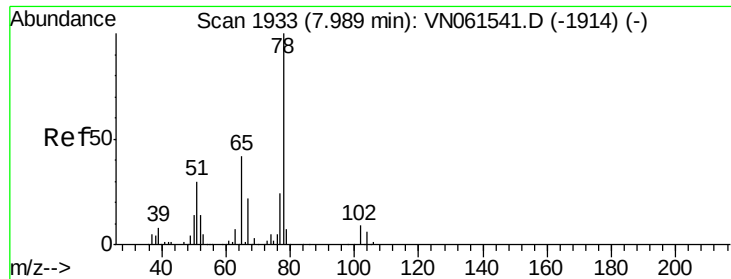
Tot Ion: 84 Resp: 527
Ion Ratio Lower Upper
84 100
49 28.8 85.8 128.8#
51 0.0 26.2 39.2#
86 0.0 52.6 78.8#



#31
Cyclohexane
Concen: 1.048 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN061751.D
Acq: 11 Jun 2020 16:50

Tgt Ion: 56 Resp: 5155
Ion Ratio Lower Upper
56 100
69 168.8 27.8 41.8#
84 144.3 79.9 119.9#

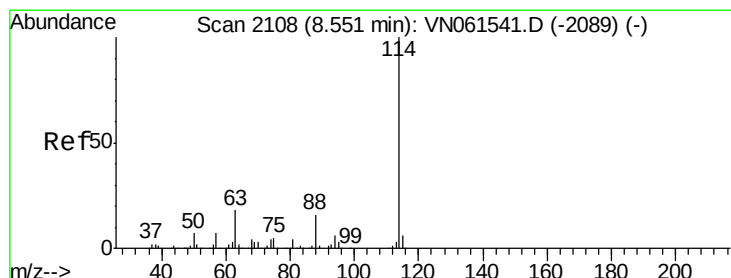
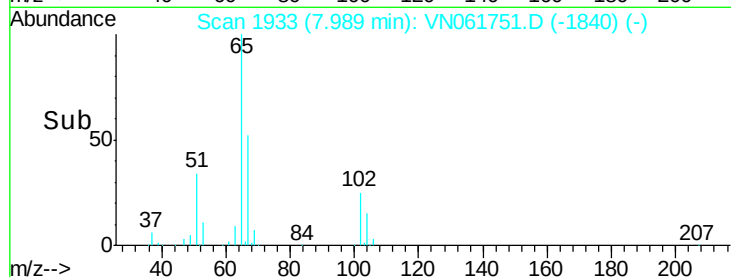
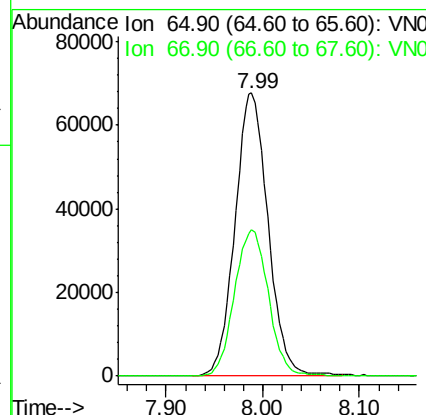
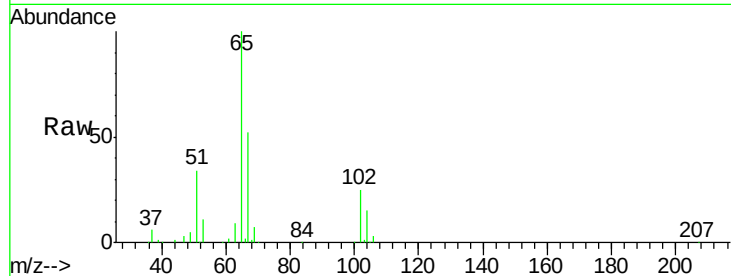




#33
 1,2-Dichloroethane-d4
 Concen: 46.109 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061751.D
 Acq: 11 Jun 2020 16:50

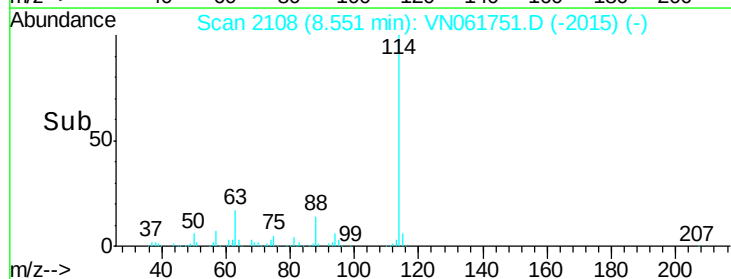
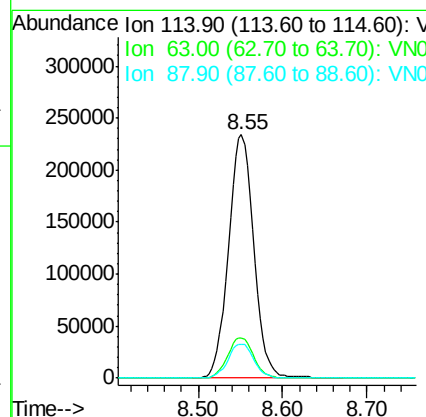
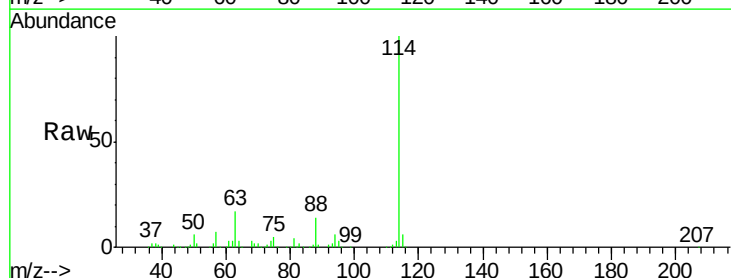
Instrument :
 MSVOA_N
 ClientSampleId :

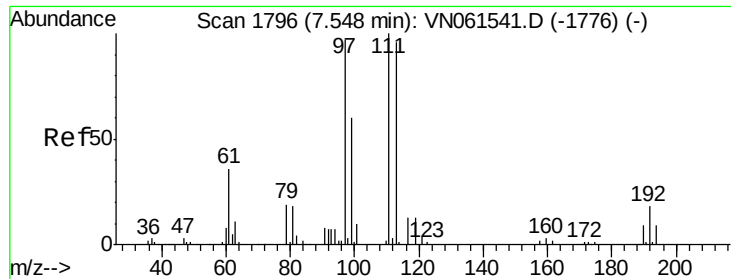
Tot Ion: 65 Resp: 160942
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061751.D
 Acq: 11 Jun 2020 16:50

Tgt Ion: 114 Resp: 488305
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 35.8
 88 14.0 0.0 31.0

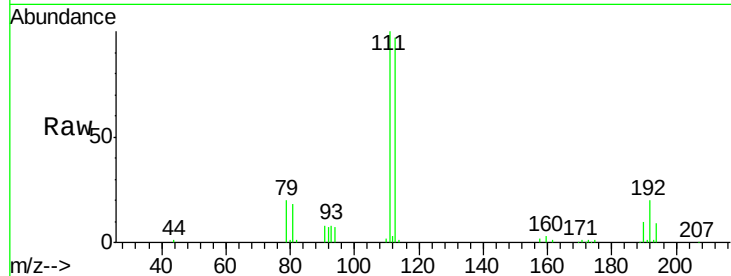




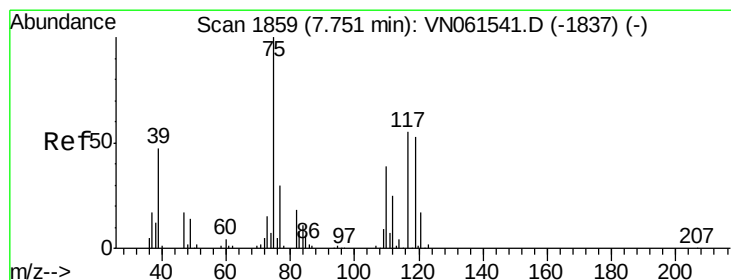
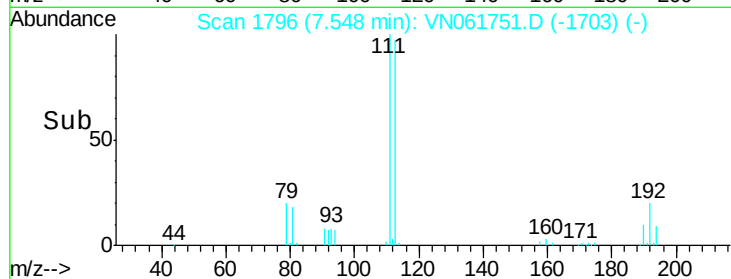
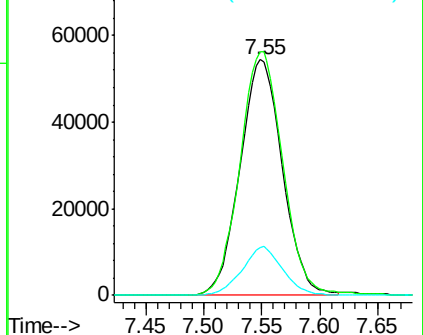
#35
 Dibromofluoromethane
 Concen: 55.914 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061751.D
 Acq: 11 Jun 2020 16:50

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.0	83.4	125.0
192	19.8	15.4	23.2

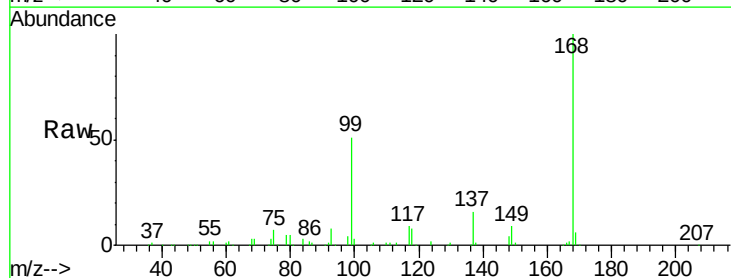


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

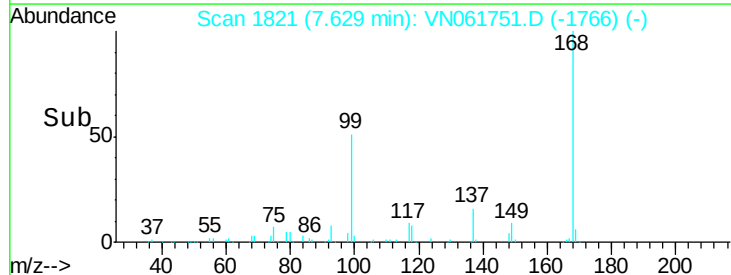
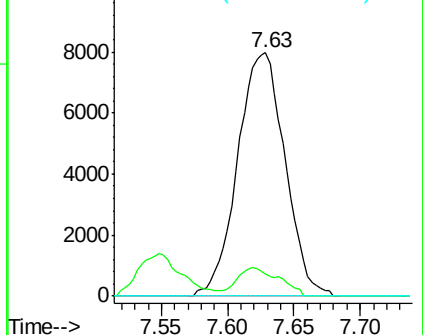


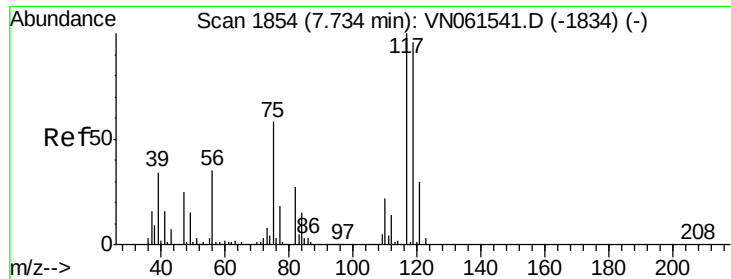
#36
 1,1-Dichloropropene
 Concen: 4.585 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN061751.D
 Acq: 11 Jun 2020 16:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	19.5	58.5#
77	0.0	24.7	37.1#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.412 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061751.D

Acq: 11 Jun 2020 16:50

Instrument :

MSVOA_N

ClientSampled :

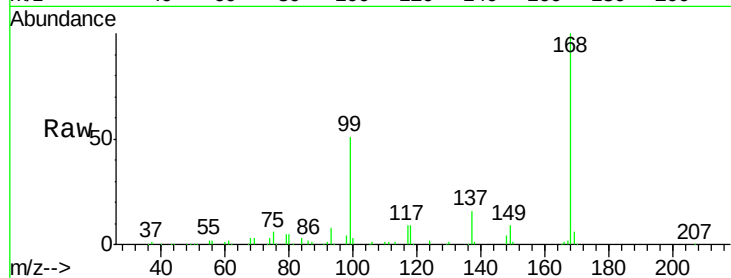
Tot Ion:117 Resp: 26737

Ion Ratio Lower Upper

117 100

119 5.1 76.5 114.7#

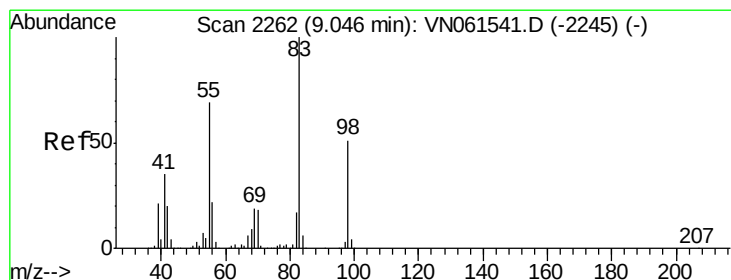
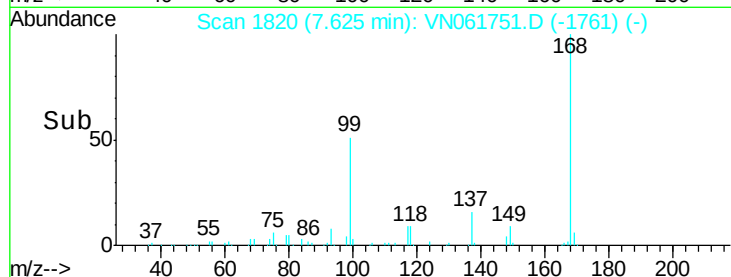
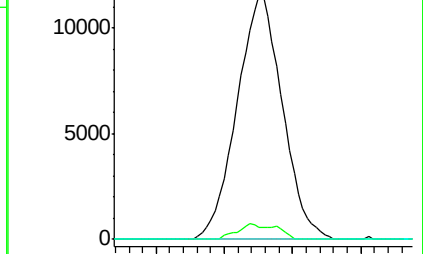
121 0.0 24.1 36.1#



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



#39

Methylcyclohexane

Concen: 0.396 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.24 min

Lab File: VN061751.D

Acq: 11 Jun 2020 16:50

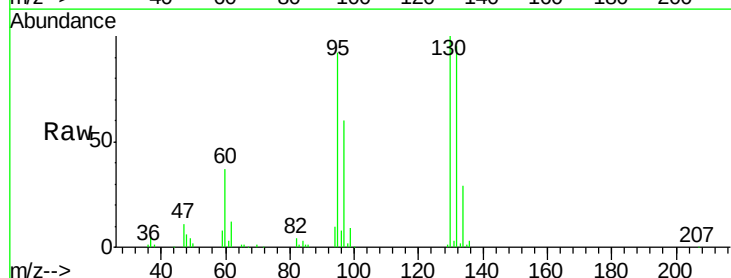
Tgt Ion: 83 Resp: 2112

Ion Ratio Lower Upper

83 100

55 0.0 54.9 82.3#

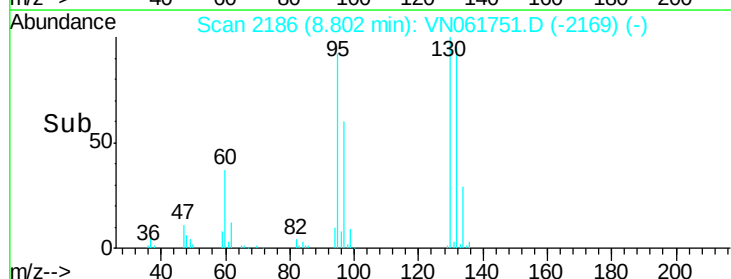
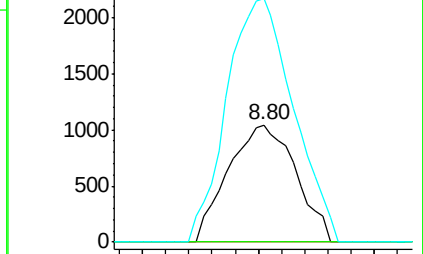
98 208.3 41.0 61.4#

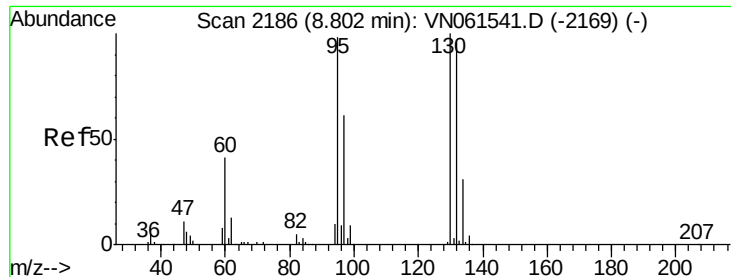


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#44

Trichloroethene

Concen: 44.685 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061751.D

Acq: 11 Jun 2020 16:50

Instrument :

MSVOA_N

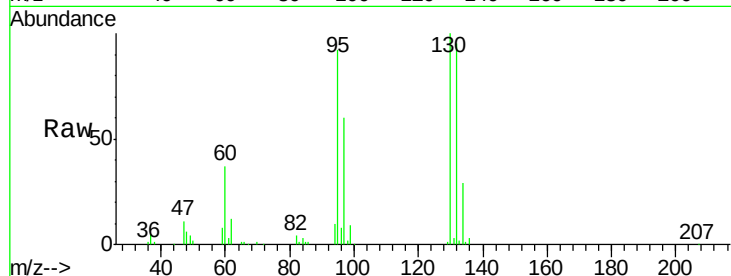
ClientSampleId :

Tot Ion:130 Resp: 183162

Ion Ratio Lower Upper

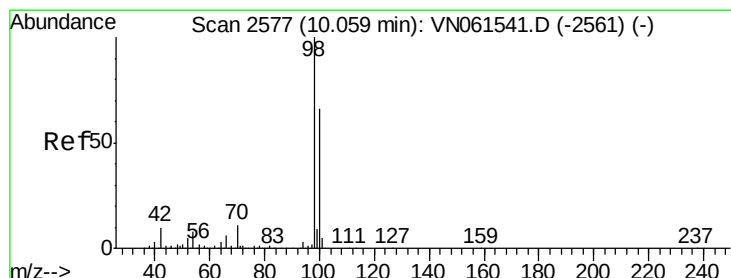
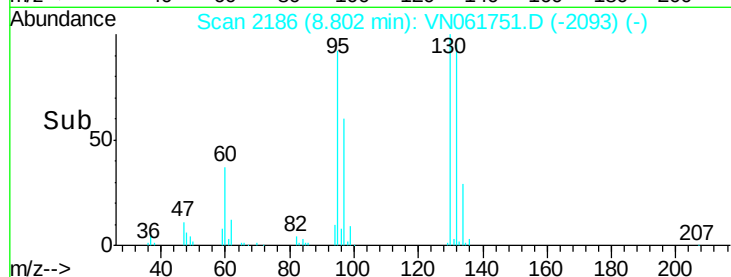
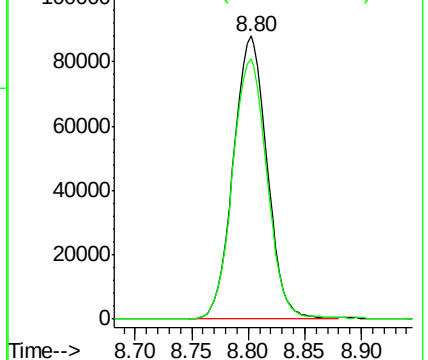
130 100

95 92.0 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): VN061751.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN061751.D (-2093) (-)



#50

Toluene-d8

Concen: 51.547 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061751.D

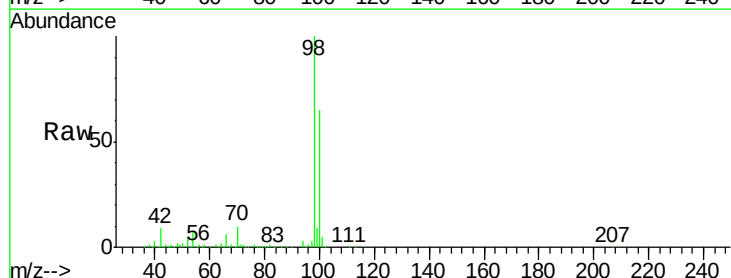
Acq: 11 Jun 2020 16:50

Tgt Ion: 98 Resp: 591718

Ion Ratio Lower Upper

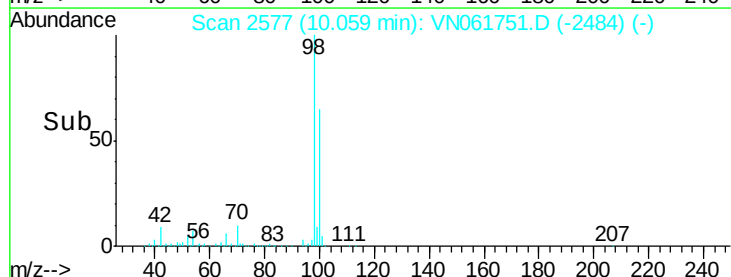
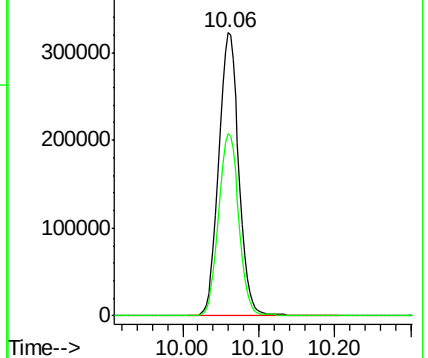
98 100

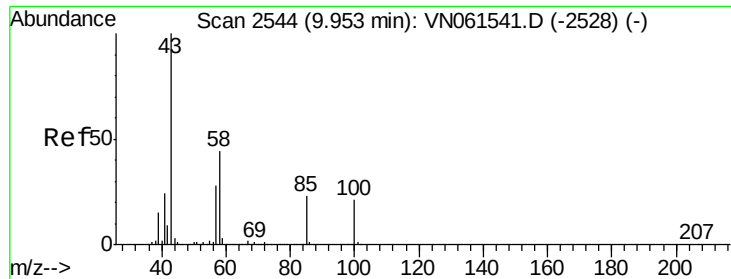
100 65.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN061751.D (-2484) (-)

Ion 100.00 (99.70 to 100.70): VN061751.D (-2484) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.510 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN061751.D

Acq: 11 Jun 2020 16:50

Instrument :

MSVOA_N

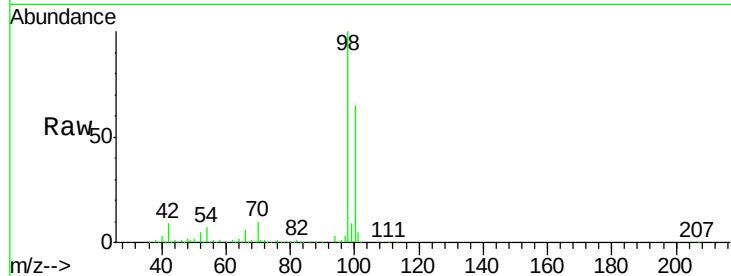
ClientSampled :

Tot Ion: 43 Resp: 1799

Ion Ratio Lower Upper

43 100

58 232.7 35.0 52.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

2500

2000

1500

1000

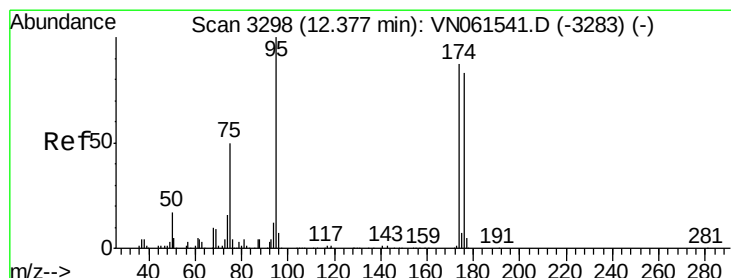
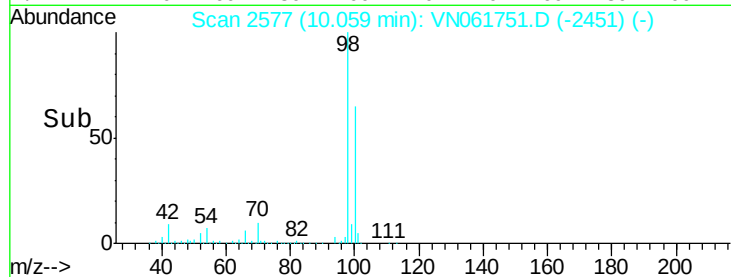
500

0

10.05

10.10

Time-->



#62

4-Bromofluorobenzene

Concen: 47.806 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061751.D

Acq: 11 Jun 2020 16:50

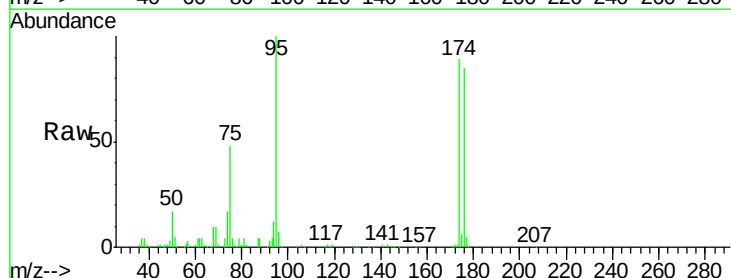
Tgt Ion: 95 Resp: 200210

Ion Ratio Lower Upper

95 100

174 88.6 0.0 172.8

176 84.2 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

100000

50000

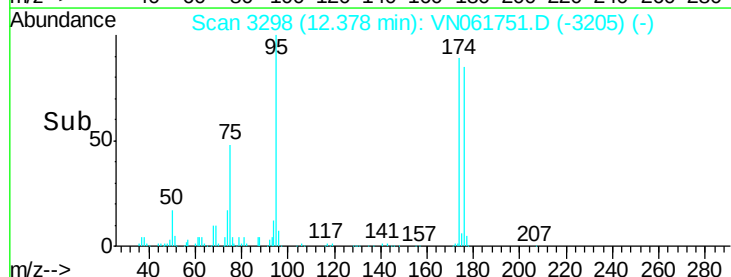
0

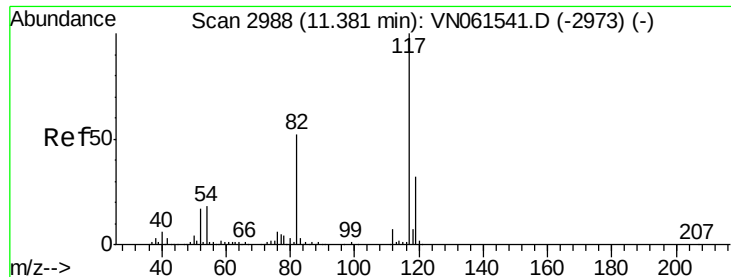
12.30

12.40

12.50

Time-->

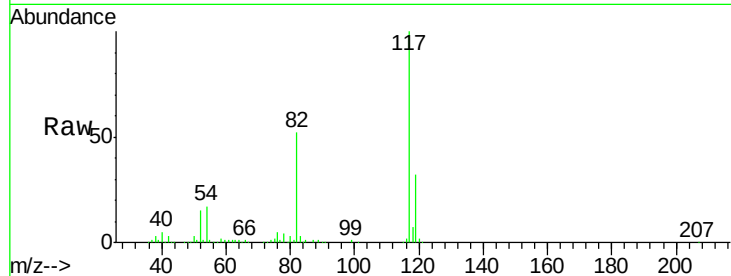




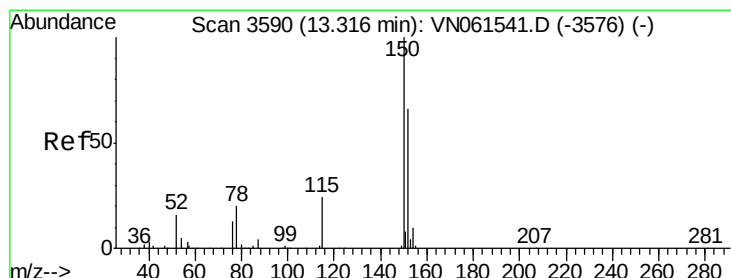
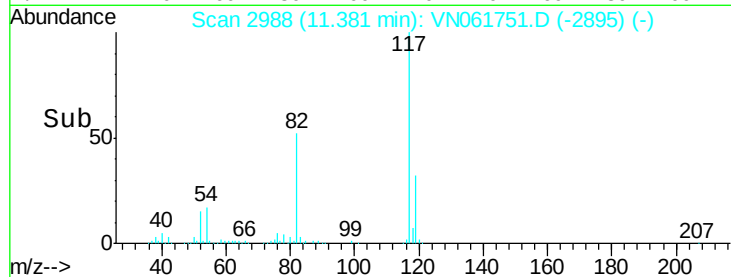
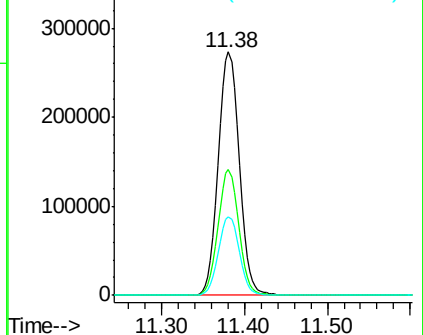
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061751.D
Acq: 11 Jun 2020 16:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 480466
Ion Ratio Lower Upper
117 100
82 51.9 41.5 62.3
119 32.3 25.6 38.4

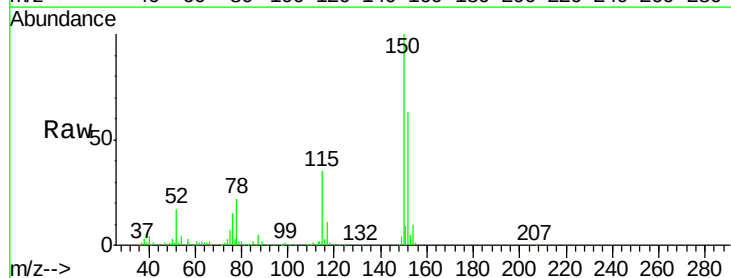


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

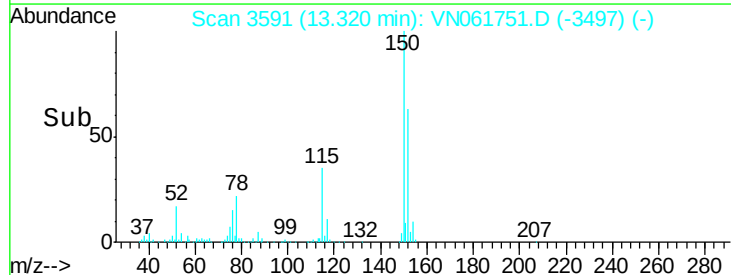
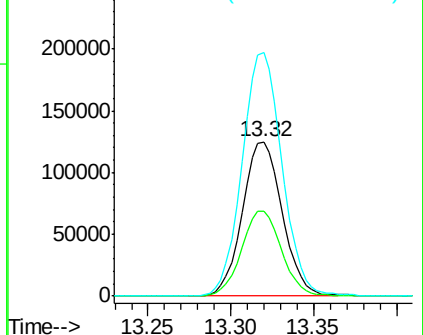


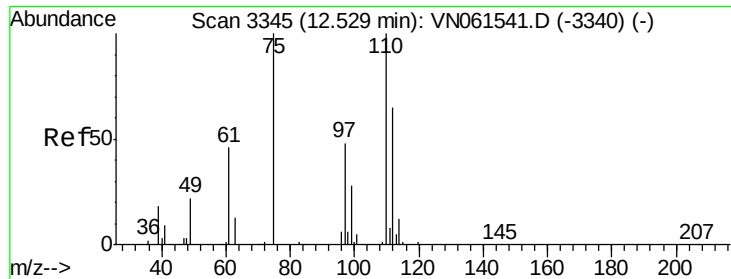
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061751.D
Acq: 11 Jun 2020 16:50

Tgt Ion:152 Resp: 208810
Ion Ratio Lower Upper
152 100
115 55.5 28.0 84.0
150 158.5 0.0 344.0



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





#76

1,2,3-Trichloropropane

Concen: 25.403 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061751.D

Acq: 11 Jun 2020 16:50

Instrument :

MSVOA_N

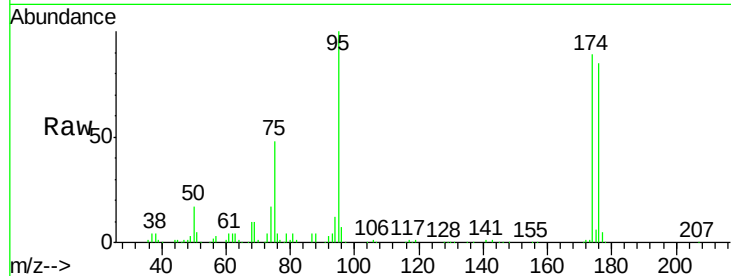
ClientSampled :

Tot Ion: 75 Resp: 96455

Ion Ratio Lower Upper

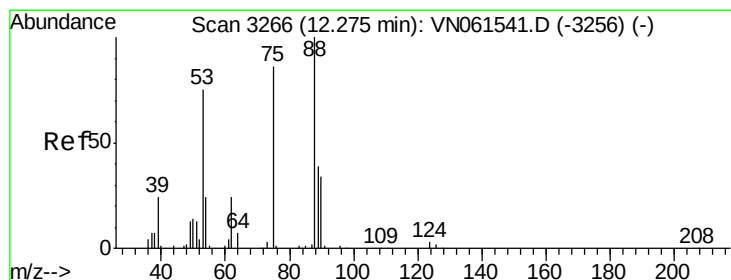
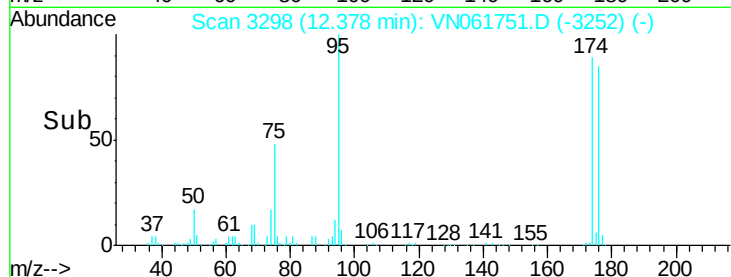
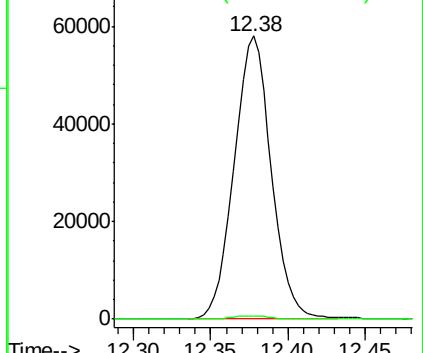
75 100

77 1.1 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: 64.963 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061751.D

Acq: 11 Jun 2020 16:50

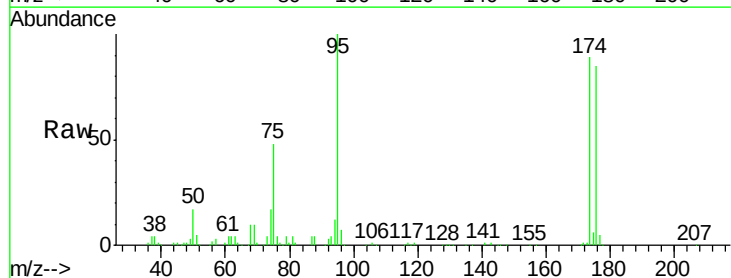
Tgt Ion: 75 Resp: 96455

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

89 0.0 37.1 55.7#



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

