

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061050.D
 Acq On : 17 Apr 2020 15:00
 Operator : JC/MD
 Sample : L2329-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

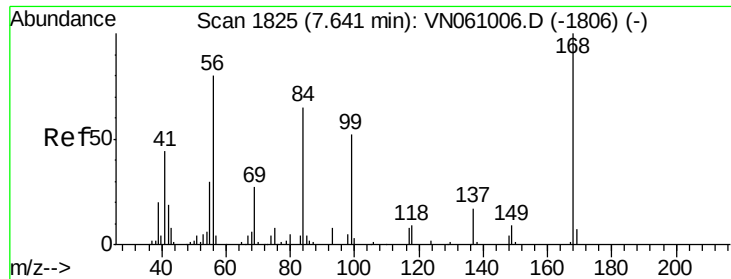
Quant Time: Apr 20 01:31:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	146660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	252090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	231058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	99573	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	100670	53.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.30%	
35) Dibromofluoromethane	7.56	113	74564	50.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.30%	
50) Toluene-d8	10.08	98	305205	54.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.72%	
62) 4-Bromofluorobenzene	12.40	95	111943	51.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	1443	1.747	ug/l #	44
18) Methyl Acetate	4.01	43	1440	0.556	ug/l #	54
31) Cyclohexane	7.64	56	3197	0.915	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12013	4.618	ug/l #	49
38) Carbon Tetrachloride	7.64	117	14327	6.617	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	1605	0.606	ug/l #	1
71) Bromoform	12.39	173	694	0.545	ug/l #	1
76) 1,2,3-Trichloropropane	12.39	75	57013	26.031	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	57013	64.207	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061050.D

Acq: 17 Apr 2020 15:00

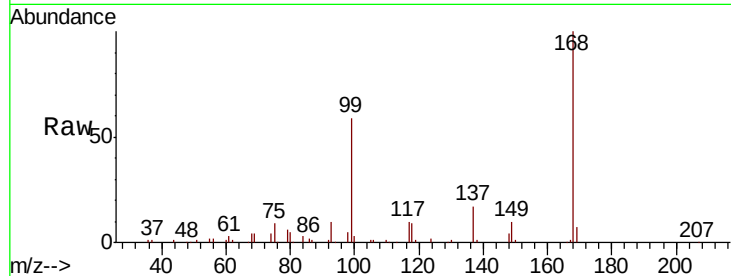
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 146660

Ion Ratio Lower Upper

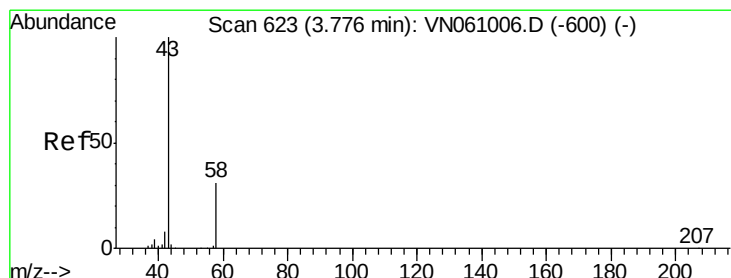
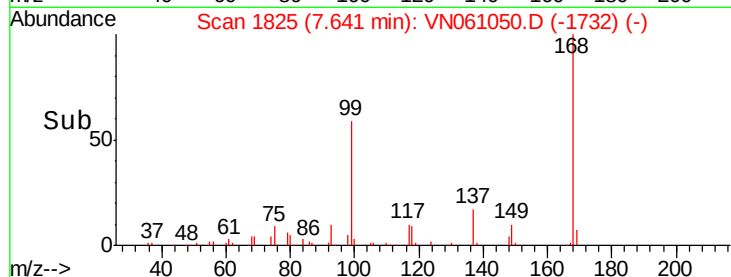
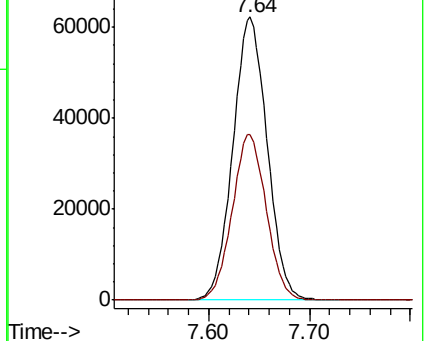
168 100

99 58.6 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 1.747 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.02 min

Lab File: VN061050.D

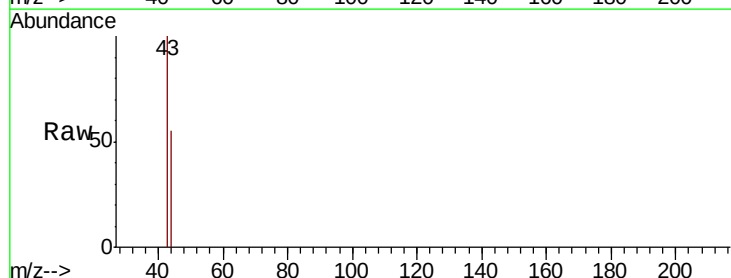
Acq: 17 Apr 2020 15:00

Tgt Ion: 43 Resp: 1443

Ion Ratio Lower Upper

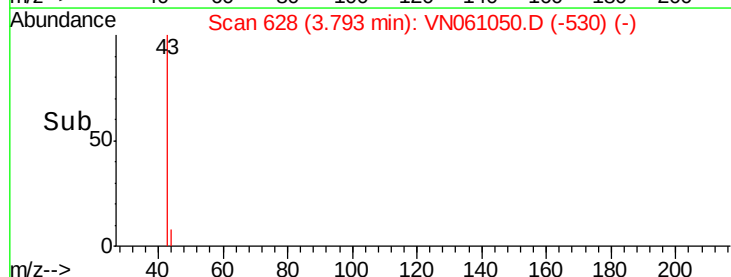
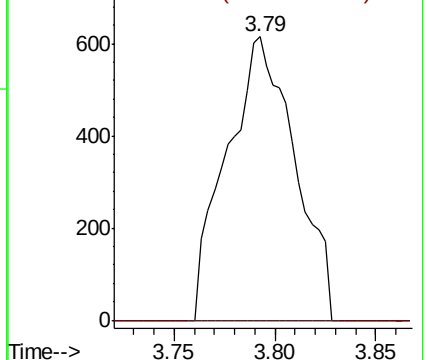
43 100

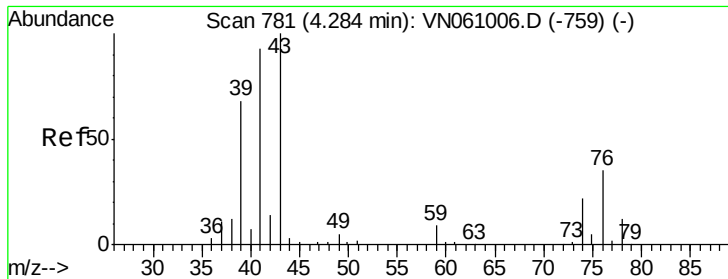
58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

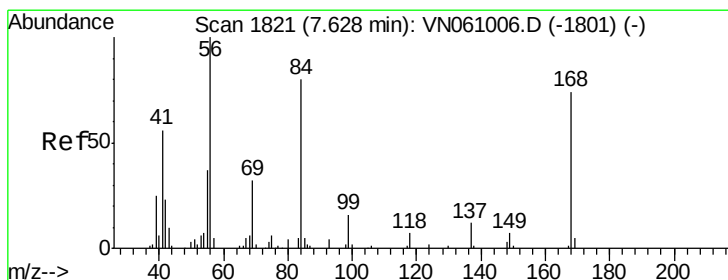
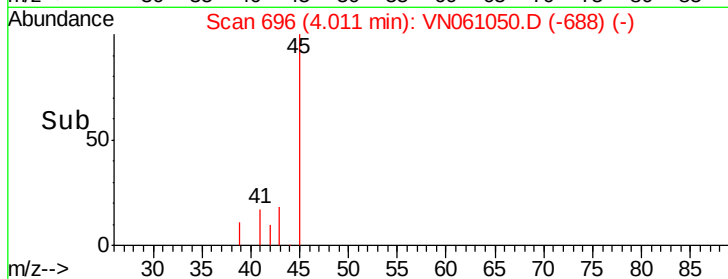
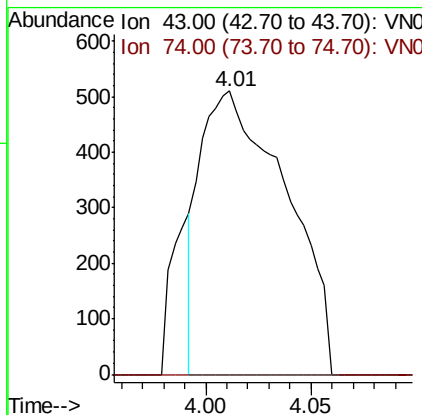
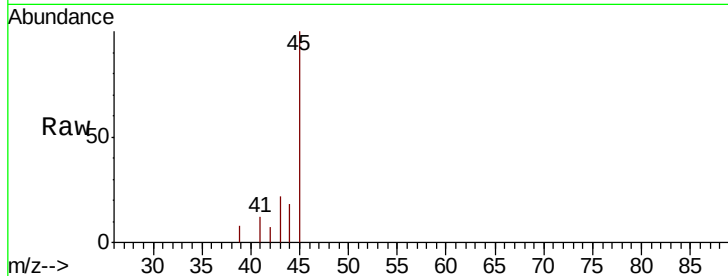




#18
Methvl Acetate
Concen: 0.556 ug/l
RT: 4.01 min Scan# 696
Delta R.T. -0.27 min
Lab File: VN061050.D
Acq: 17 Apr 2020 15:00

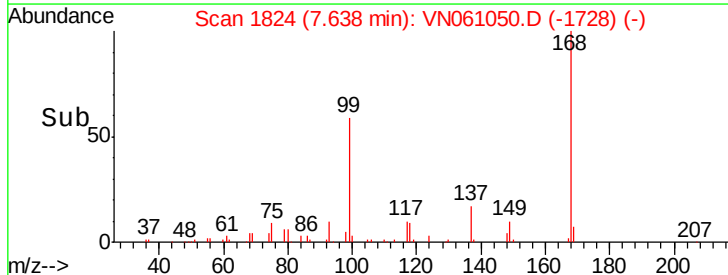
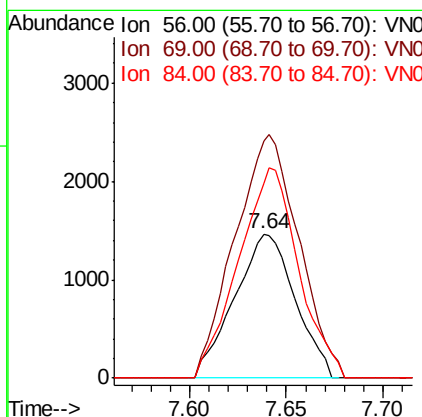
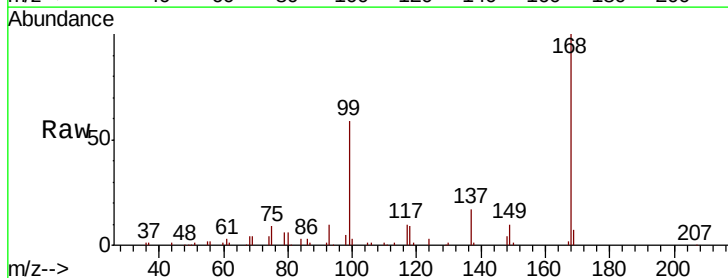
Instrument :
MSVOA_N
ClientSampleId :

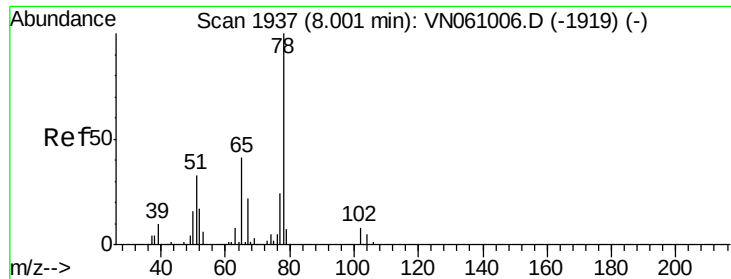
Tot Ion: 43 Resp: 1440
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#31
Cyclohexane
Concen: 0.915 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN061050.D
Acq: 17 Apr 2020 15:00

Tgt Ion: 56 Resp: 3197
Ion Ratio Lower Upper
56 100
69 165.0 25.6 38.4#
84 135.5 63.4 95.2#

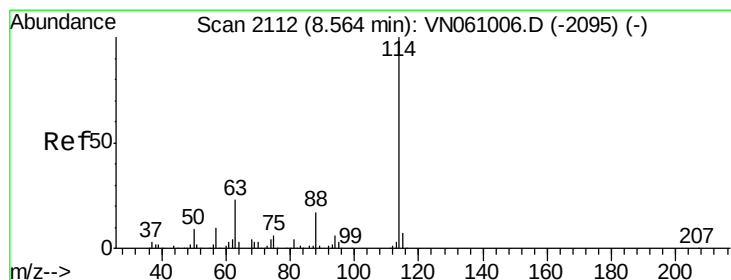
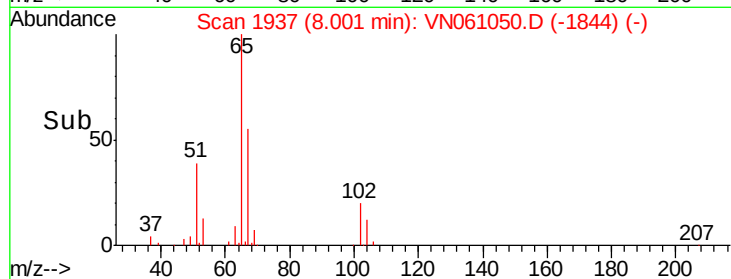
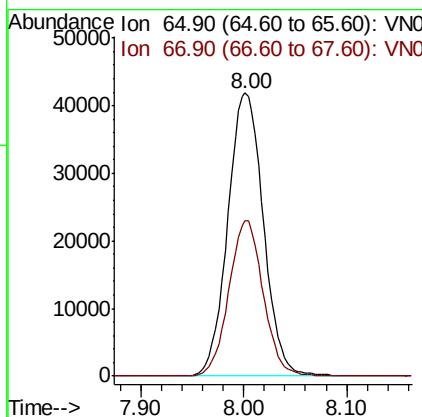
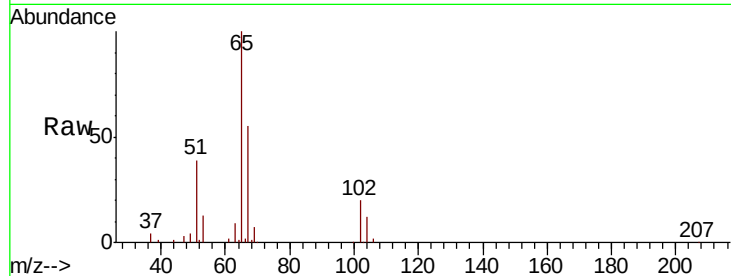




#33
 1,2-Dichloroethane-d4
 Concen: 53.650 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061050.D
 Acq: 17 Apr 2020 15:00

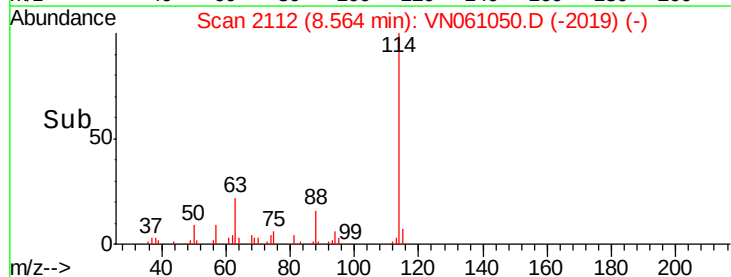
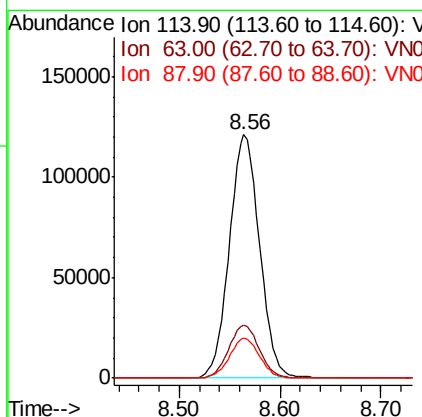
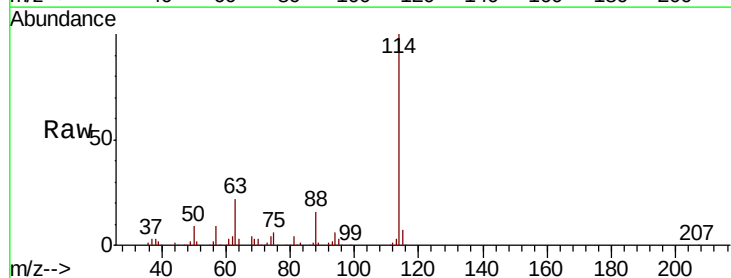
Instrument :
 MSVOA_N
 ClientSampleId :

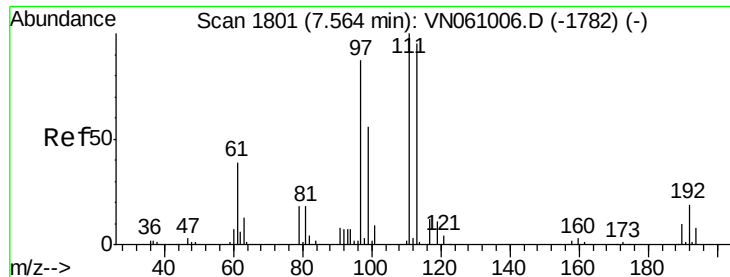
Tot Ion: 65 Resp: 100670
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061050.D
 Acq: 17 Apr 2020 15:00

Tgt Ion: 114 Resp: 252090
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 46.2
 88 16.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.649 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061050.D

Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_N
ClientSampleId :

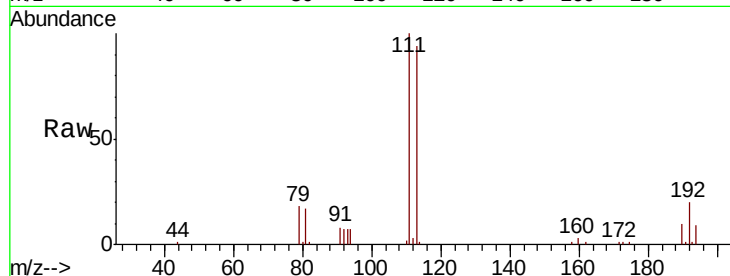
Tot Ion:113 Resp: 74564

Ion Ratio Lower Upper

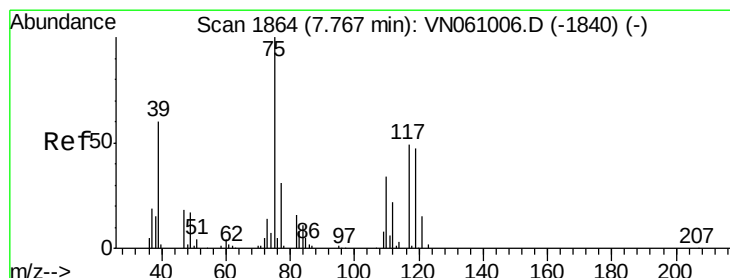
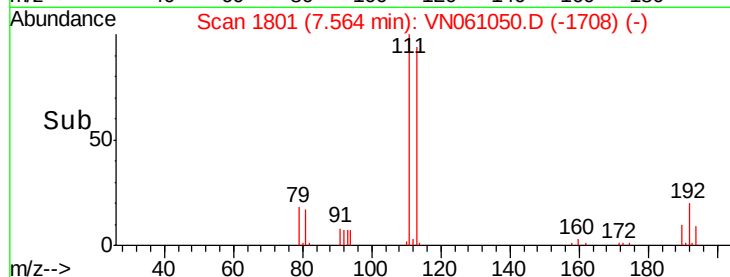
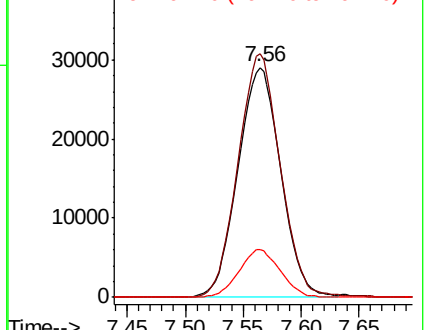
113 100

111 104.5 83.4 125.2

192 19.8 15.5 23.3



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: 4.618 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN061050.D

Acq: 17 Apr 2020 15:00

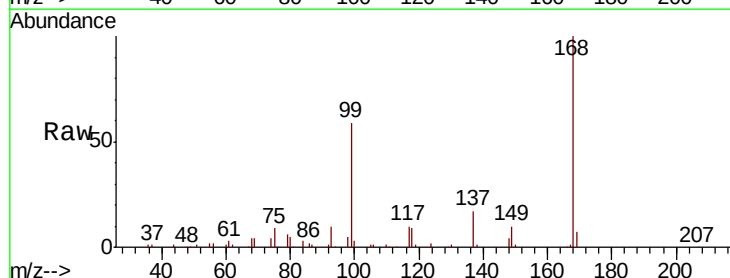
Tgt Ion: 75 Resp: 12013

Ion Ratio Lower Upper

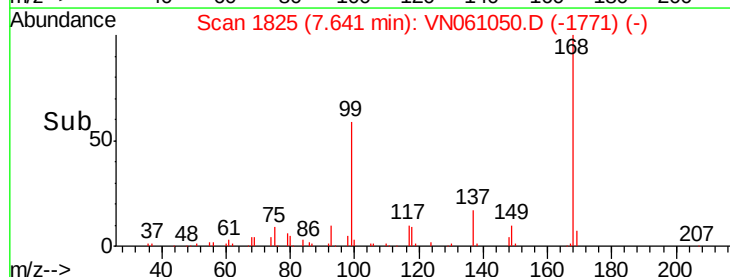
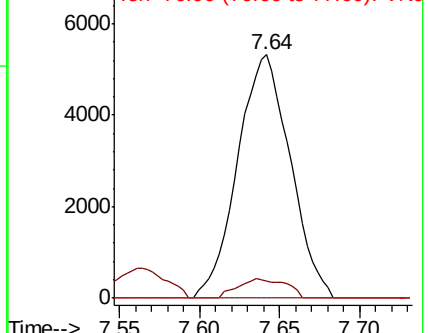
75 100

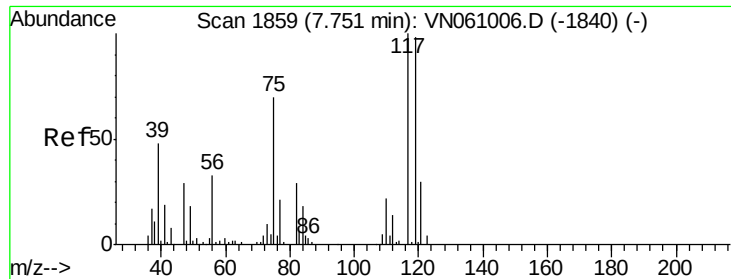
110 7.2 16.8 50.3#

77 0.0 24.7 37.1#



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





#38

Carbon Tetrachloride

Concen: 6.617 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.11 min

Lab File: VN061050.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_N

ClientSampled :

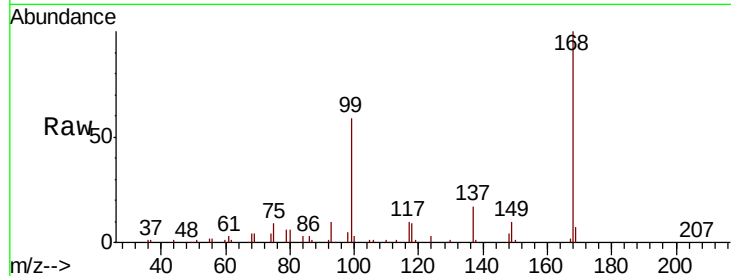
Tot Ion:117 Resp: 14327

Ion Ratio Lower Upper

117 100

119 4.9 78.1 117.1#

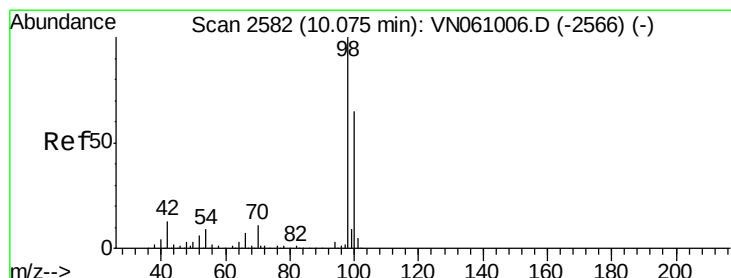
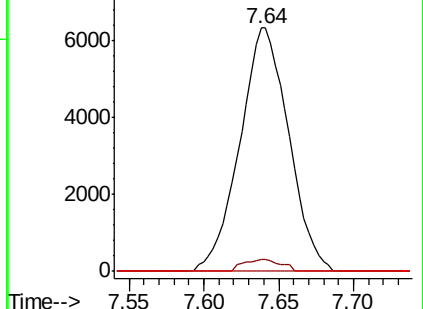
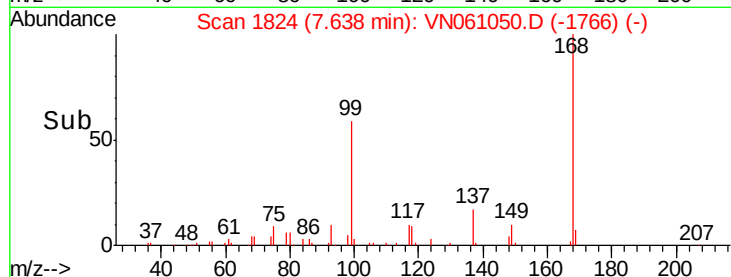
121 0.0 24.0 36.0#



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



#50

Toluene-d8

Concen: 54.863 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061050.D

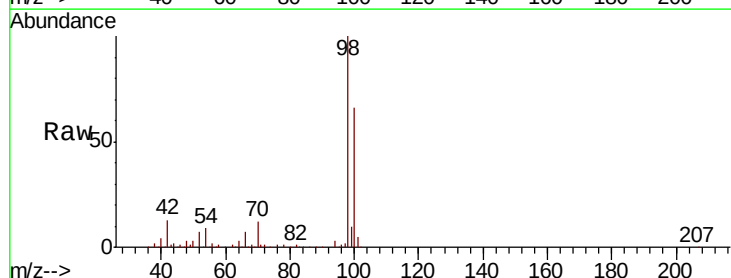
Acq: 17 Apr 2020 15:00

Tgt Ion: 98 Resp: 305205

Ion Ratio Lower Upper

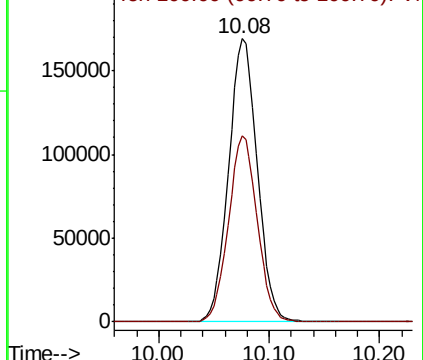
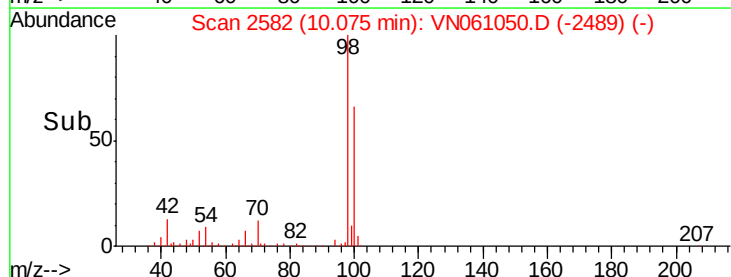
98 100

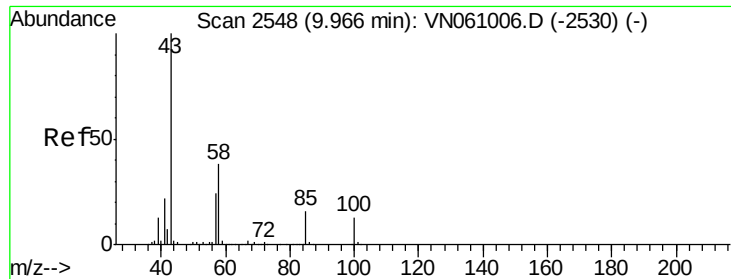
100 65.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.606 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN061050.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_N

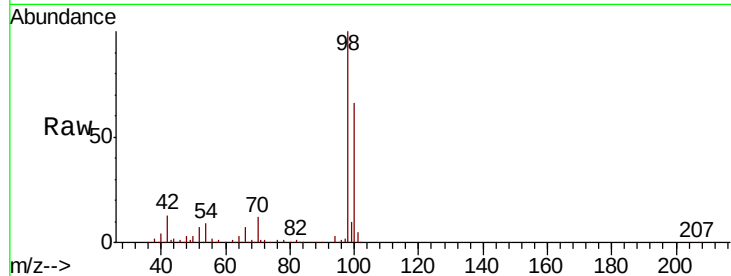
ClientSampleId :

Tot Ion: 43 Resp: 1605

Ion Ratio Lower Upper

43 100

58 173.6 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-2530) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-2530) (-)

1500

1000

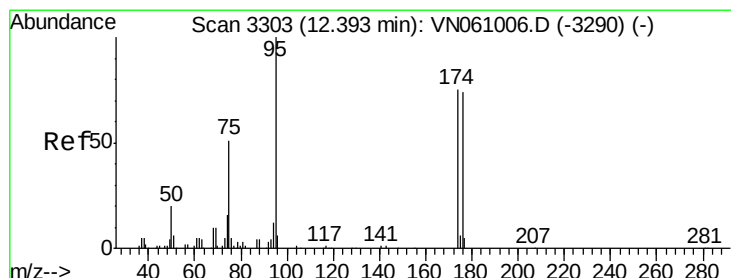
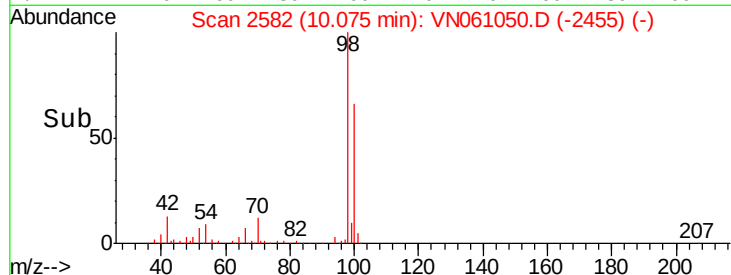
500

0

10.05

10.10

Time-->



#62

4-Bromofluorobenzene

Concen: 51.342 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN061050.D

Acq: 17 Apr 2020 15:00

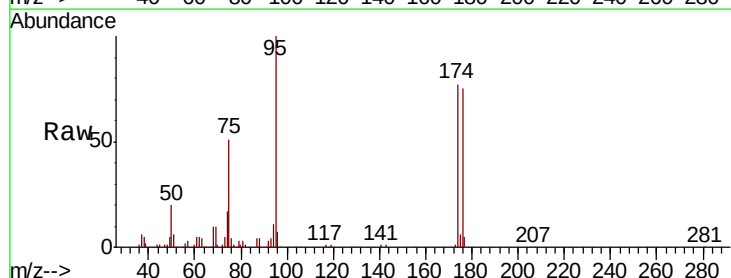
Tgt Ion: 95 Resp: 111943

Ion Ratio Lower Upper

95 100

174 76.5 0.0 151.2

176 74.0 0.0 148.2



Abundance Ion 94.90 (94.60 to 95.60): VN061006.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN061006.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN061006.D (-3290) (-)

80000

60000

40000

20000

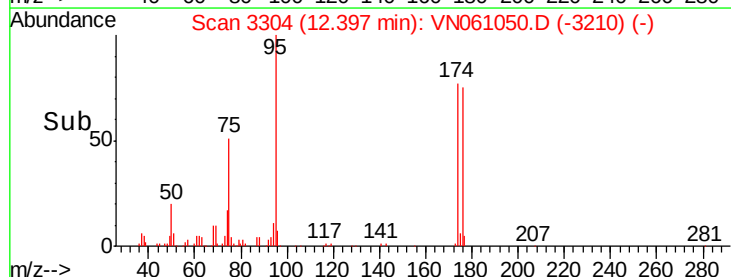
0

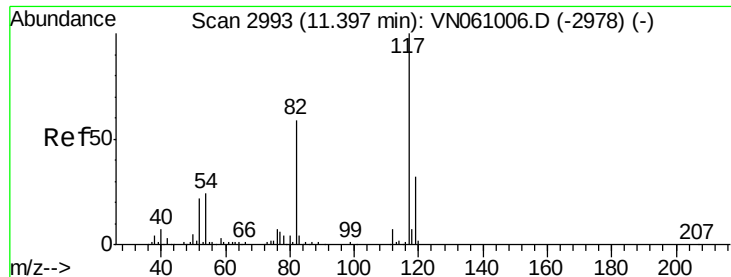
12.35

12.40

12.45

Time-->

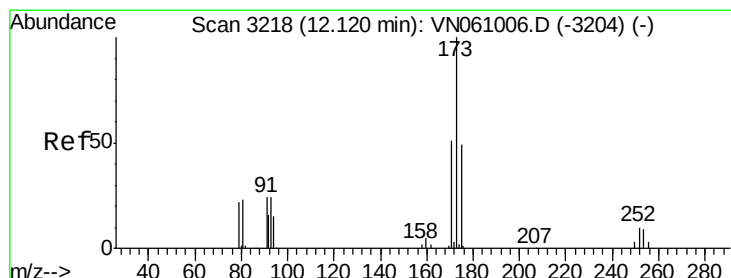
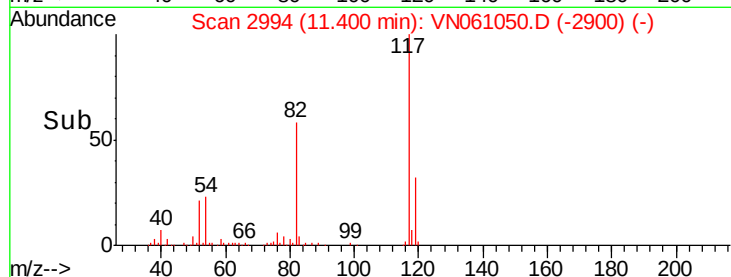
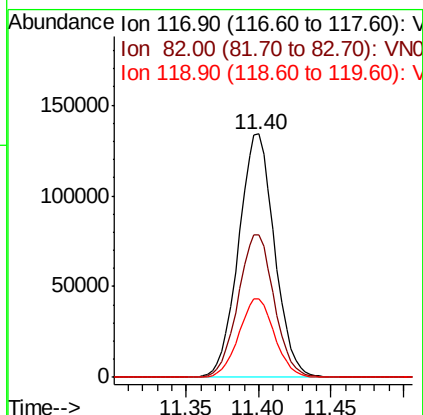
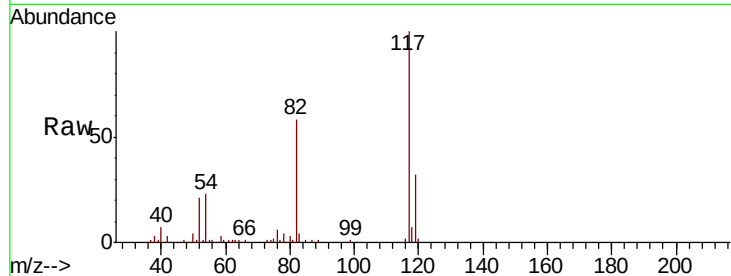




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN061050.D
Acq: 17 Apr 2020 15:00

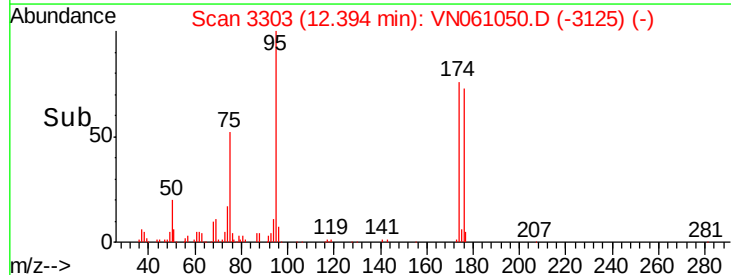
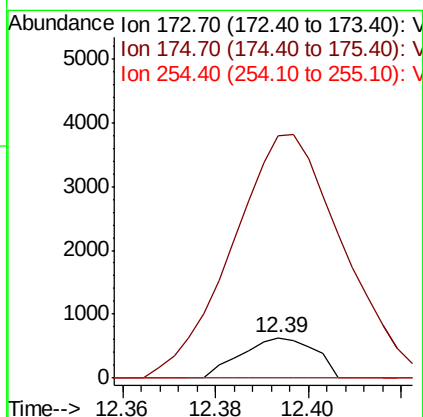
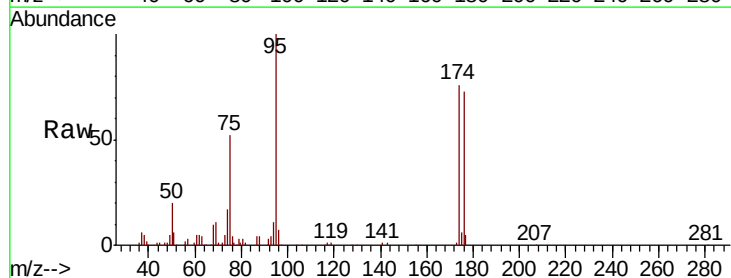
Instrument :
MSVOA_N
ClientSampleId :

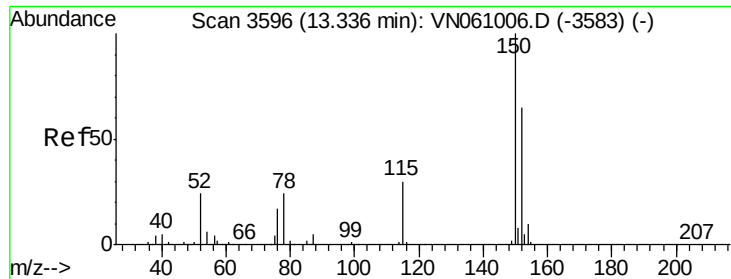
Tot Ion:117 Resp: 231058
Ion Ratio Lower Upper
117 100
82 58.5 47.1 70.7
119 32.3 25.7 38.5



#71
Bromoform
Concen: 0.545 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN061050.D
Acq: 17 Apr 2020 15:00

Tgt Ion:173 Resp: 694
Ion Ratio Lower Upper
173 100
175 781.1 24.5 73.5#
254 0.0 0.0 0.0



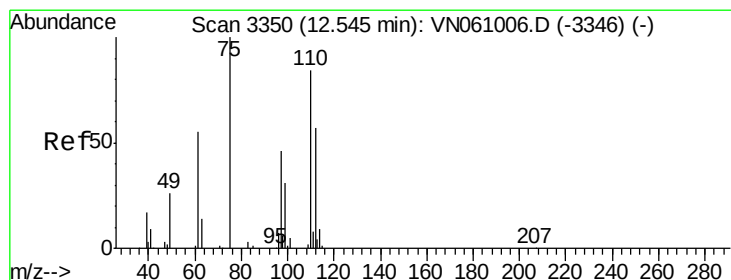
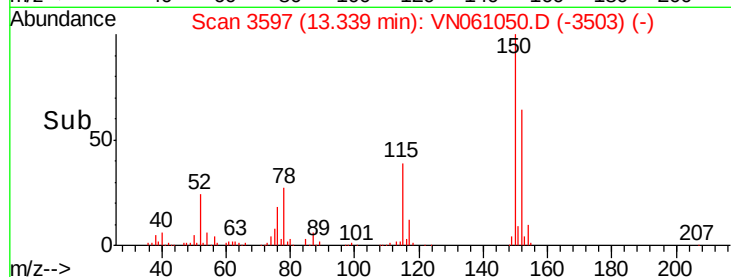
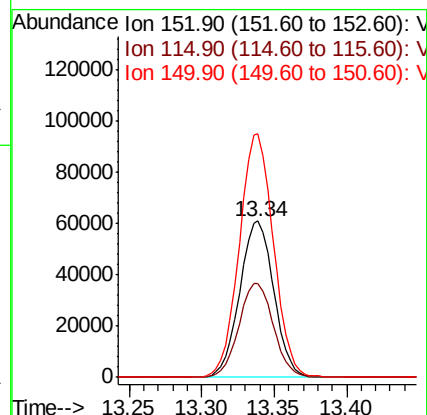
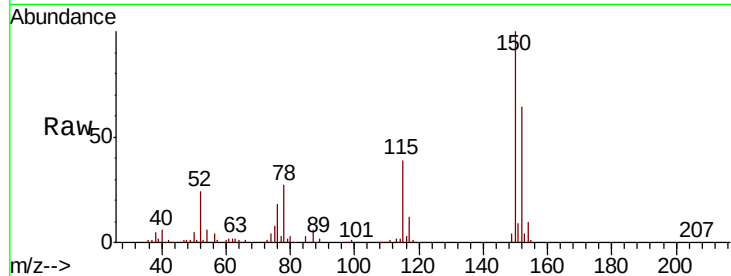


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061050.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_N
ClientSampled :

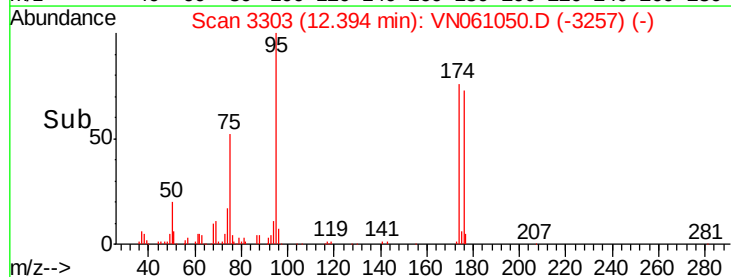
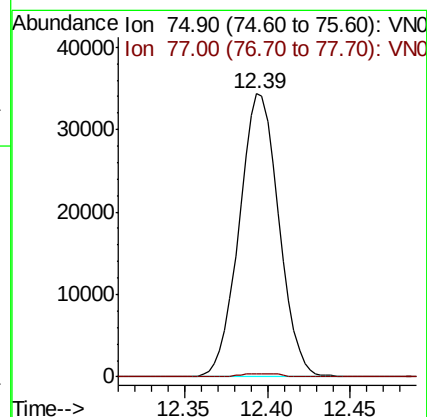
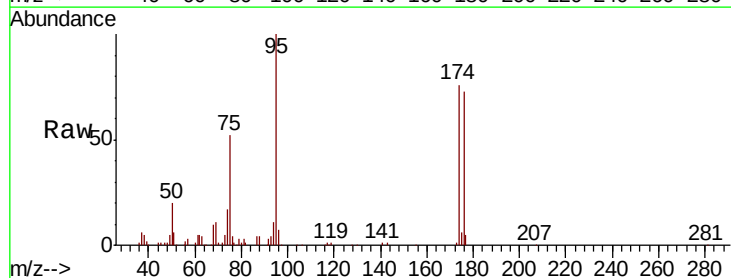
Tot Ion:152 Resp: 99573
Ion Ratio Lower Upper
152 100
115 60.9 30.8 92.4
150 156.0 0.0 349.0

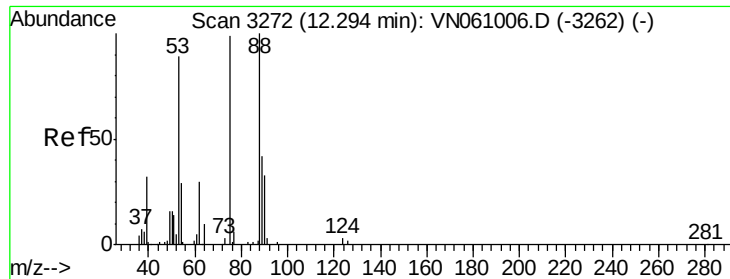


#76

1,2,3-Trichloropropane
Concen: 26.031 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. -0.15 min
Lab File: VN061050.D
Acq: 17 Apr 2020 15:00

Tgt Ion: 75 Resp: 57013
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.207 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.10 min
 Lab File: VN061050.D
 Acq: 17 Apr 2020 15:00

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 57013
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.7 112.1#
 89 0.0 34.6 52.0#

