

Data File : VN060456.D
Acq On : 11 Mar 2020 17:28
Operator : JC/MD
Sample : L1873-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-1

Quant Time: Mar 12 03:40:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	320493	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	305070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141696	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	126507	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
35) Dibromofluoromethane	7.56	113	95410	64.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.28%	
50) Toluene-d8	10.08	98	392955	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.40	95	149574	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	

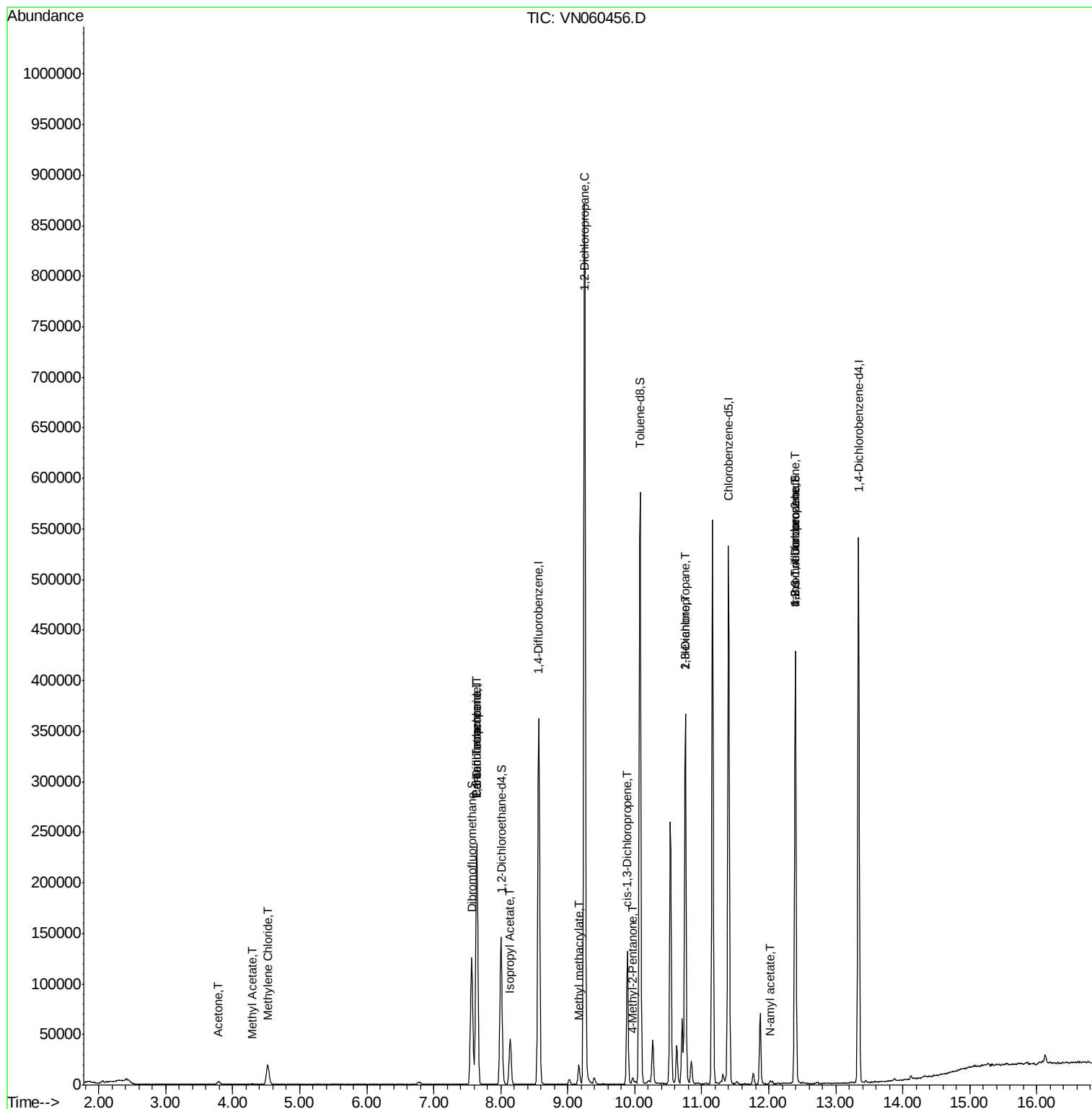
Target Compounds			Qvalue			
16) Acetone	3.79	43	6294	7.872	ug/l	95
18) Methyl Acetate	4.29	43	1594	0.597	ug/l #	60
20) Methylene Chloride	4.53	84	14101	6.422	ug/l	91
31) Cyclohexane	7.64	56	4112	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15138	4.956	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18746	6.304	ug/l #	15
43) Isopropyl Acetate	8.14	43	54180	10.701	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	926	0.398	ug/l #	44
48) Methyl methacrylate	9.16	41	2661	1.152	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3597	1.253	ug/l	96
54) cis-1,3-Dichloropropene	9.89	75	23305	5.984	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	3856	1.053	ug/l #	42
59) 2-Hexanone	10.75	43	54020	25.629	ug/l #	52
74) N-amyl acetate	12.02	43	3490	0.760	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	76198	24.510	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	76198	67.660	ug/l #	8

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060456.D

Acq: 11 Mar 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

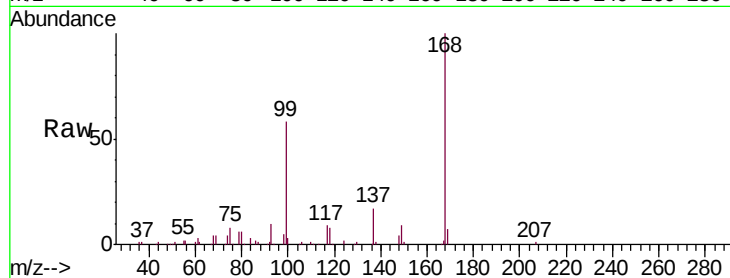
TP-1

Tgt Ion:168 Resp: 192973

Ion Ratio Lower Upper

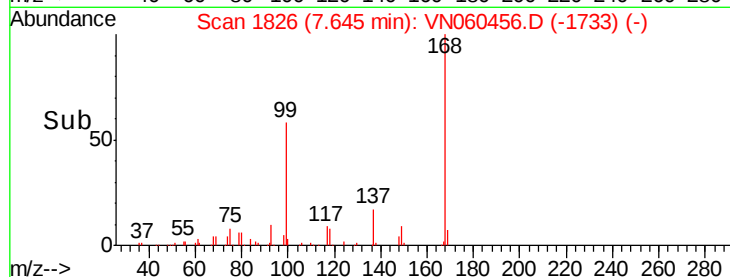
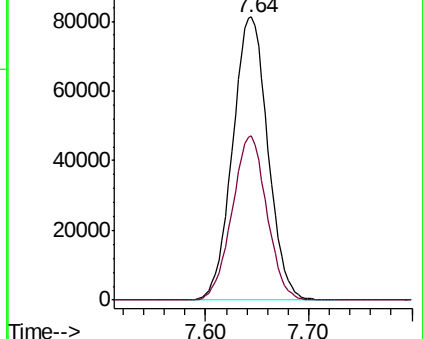
168 100

99 57.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 7.872 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060456.D

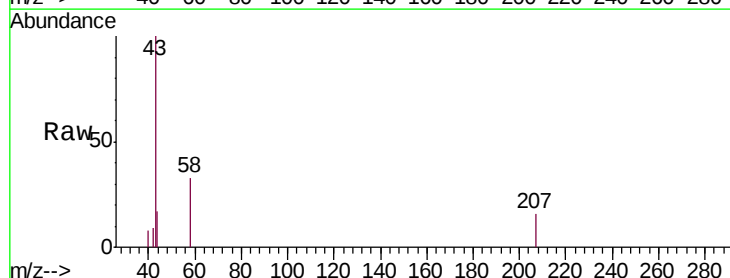
Acq: 11 Mar 2020 17:28

Tgt Ion: 43 Resp: 6294

Ion Ratio Lower Upper

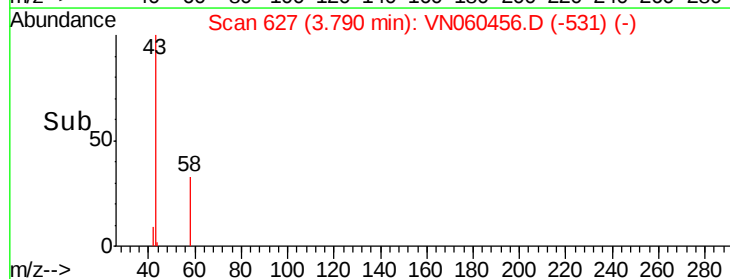
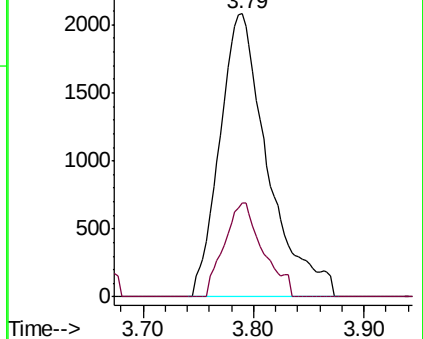
43 100

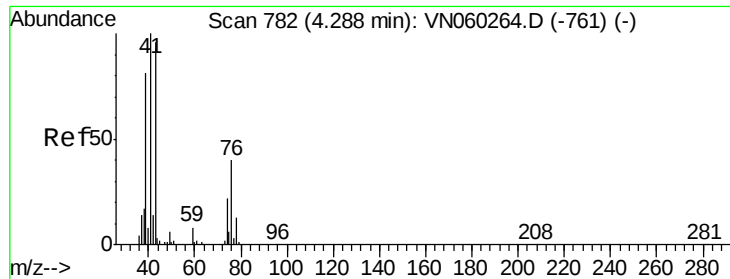
58 33.4 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

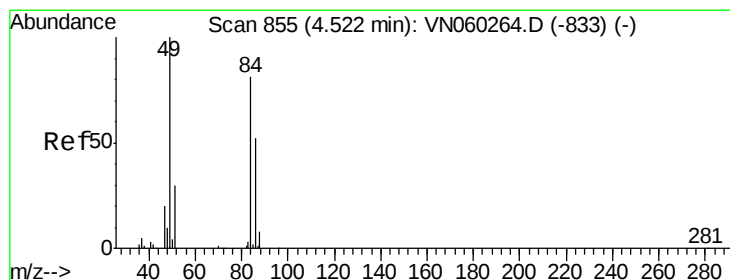
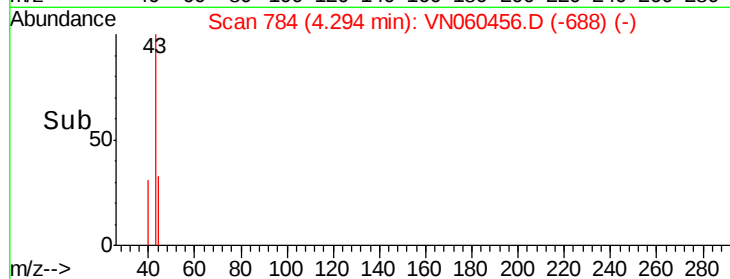
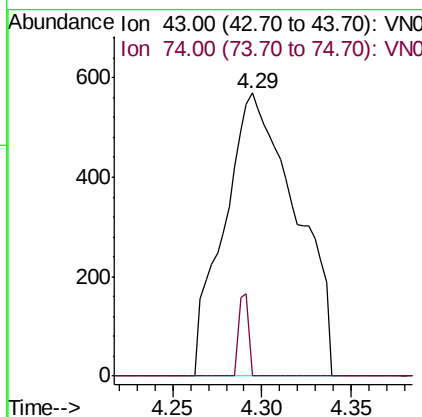
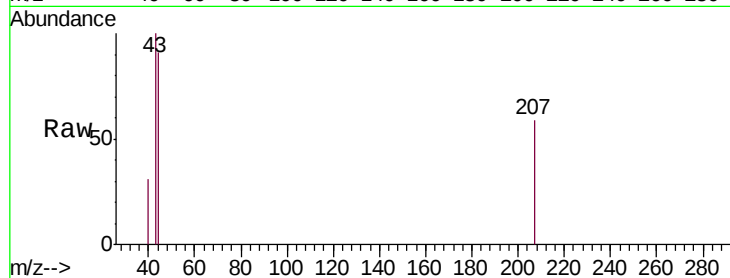




#18
Methyl Acetate
Concen: 0.597 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060456.D
Acq: 11 Mar 2020 17:28

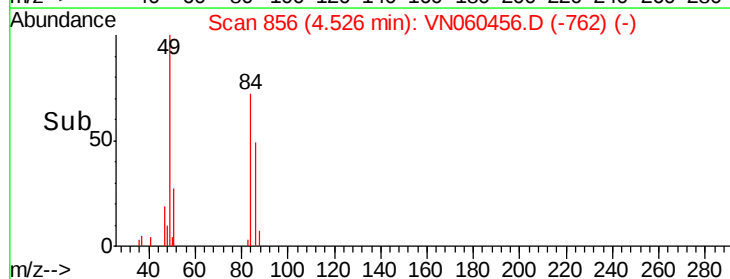
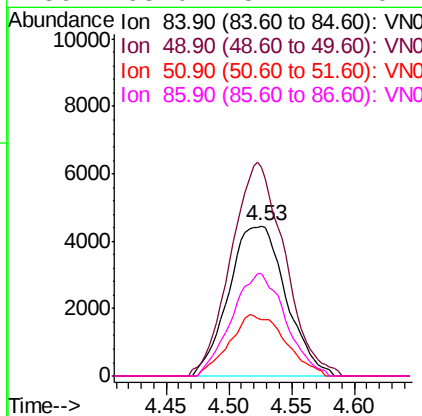
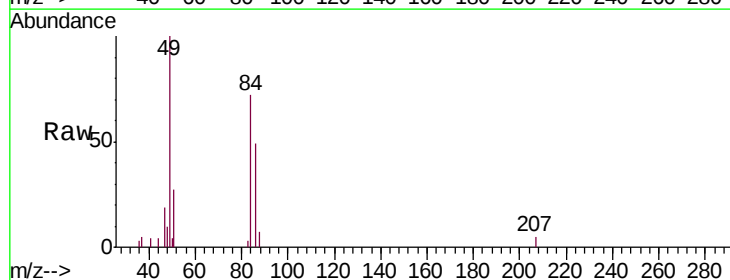
Instrument :
MSVOA_N
ClientSampled :
TP-1

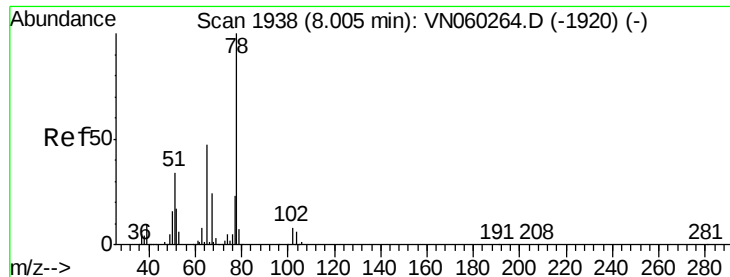
Tgt Ion: 43 Resp: 1594
Ion Ratio Lower Upper
43 100
74 4.0 18.8 28.2#



#20
Methylene Chloride
Concen: 6.422 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060456.D
Acq: 11 Mar 2020 17:28

Tgt Ion: 84 Resp: 14101
Ion Ratio Lower Upper
84 100
49 139.1 99.3 148.9
51 37.4 30.1 45.1
86 68.0 51.1 76.7





#33

1,2-Dichloroethane-d4

Concen: 51.096 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060456.D

Acq: 11 Mar 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

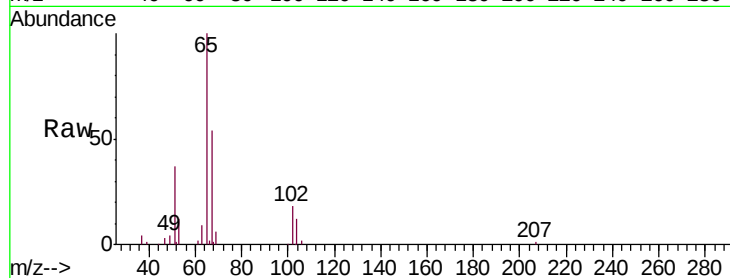
TP-1

Tgt Ion: 65 Resp: 126507

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060456.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060456.D (-1845) (-)

8.00

60000

50000

40000

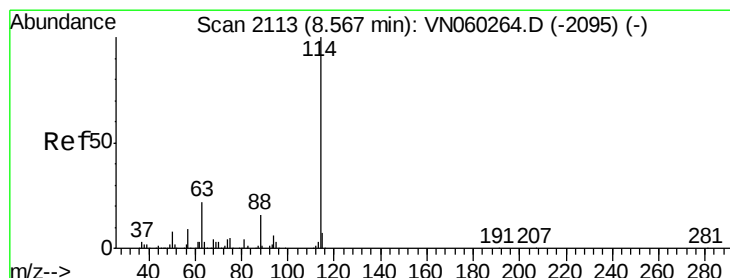
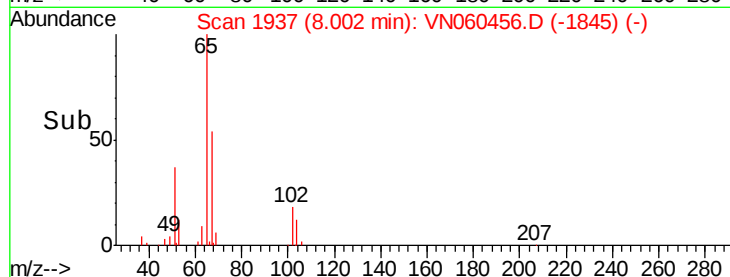
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060456.D

Acq: 11 Mar 2020 17:28

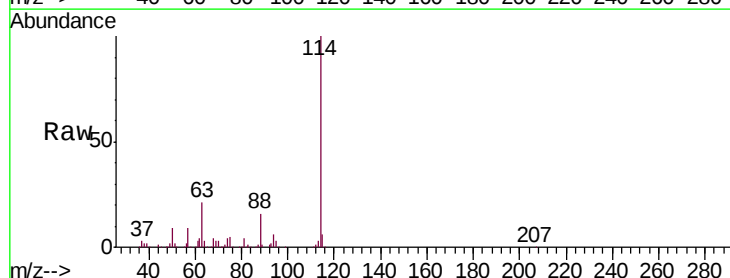
Tgt Ion: 114 Resp: 320493

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.2

88 15.7 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060456.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060456.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060456.D (-2020) (-)

8.57

200000

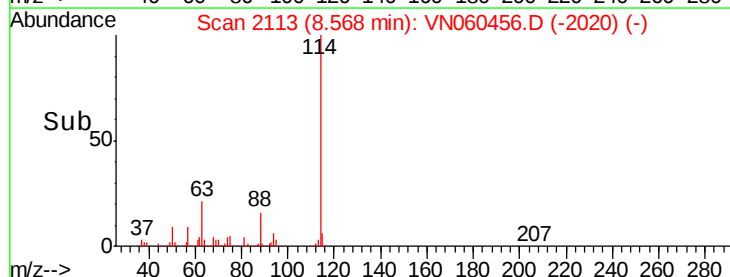
150000

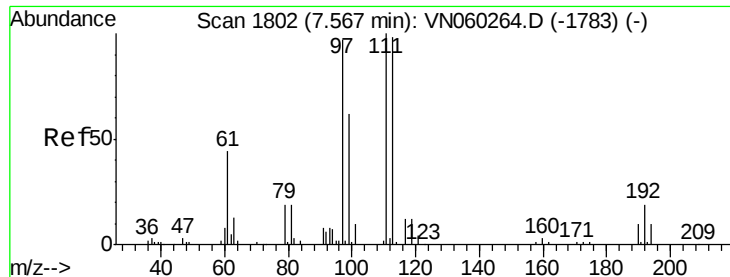
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 64.136 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060456.D

Acq: 11 Mar 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

TP-1

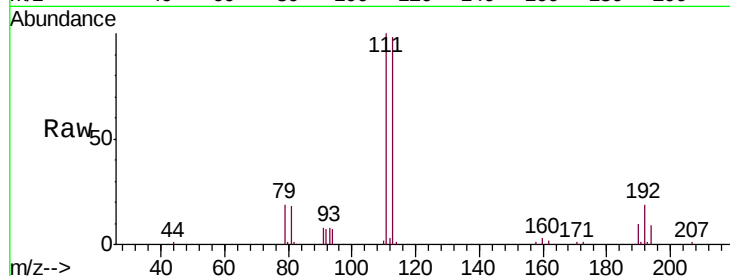
Tgt Ion:113 Resp: 95410

Ion Ratio Lower Upper

113 100

111 104.6 82.4 123.6

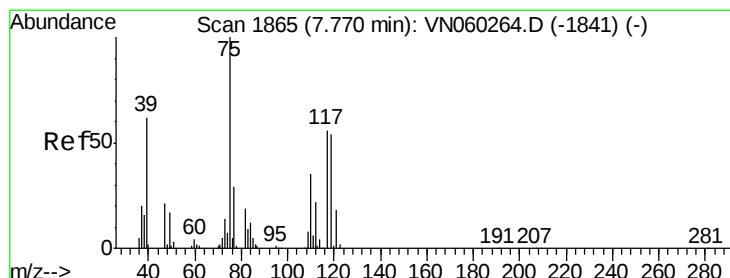
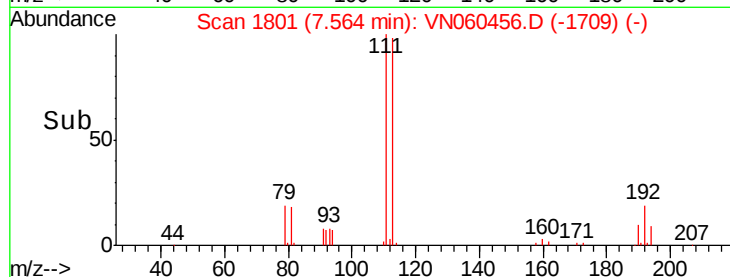
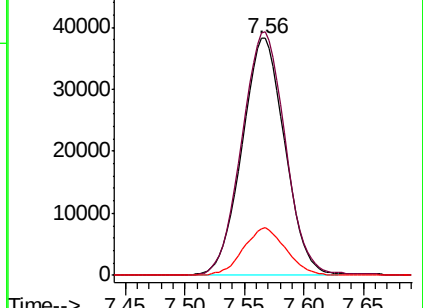
192 19.8 16.2 24.2



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: 4.956 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060456.D

Acq: 11 Mar 2020 17:28

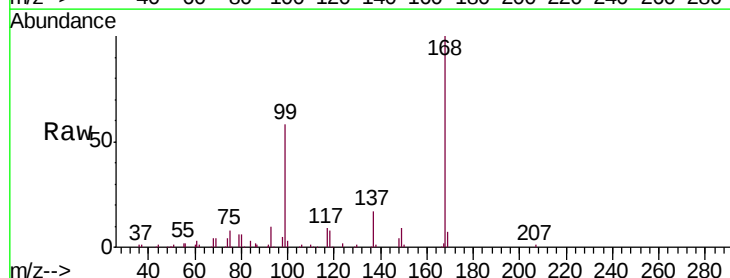
Tgt Ion: 75 Resp: 15138

Ion Ratio Lower Upper

75 100

110 8.0 17.3 52.0#

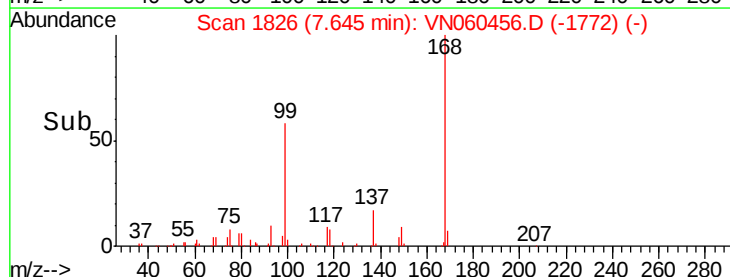
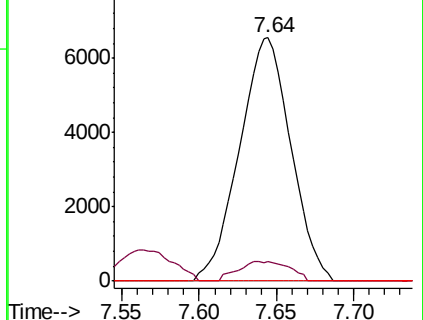
77 0.0 24.2 36.2#

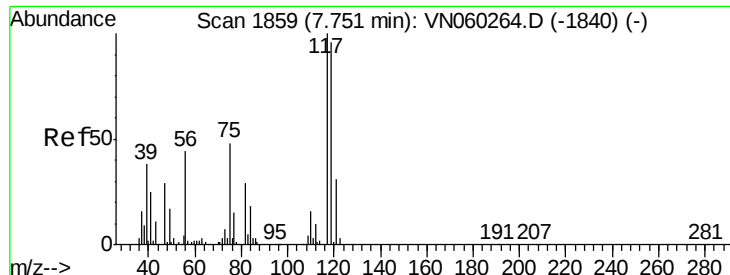


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.304 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060456.D

Acq: 11 Mar 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

TP-1

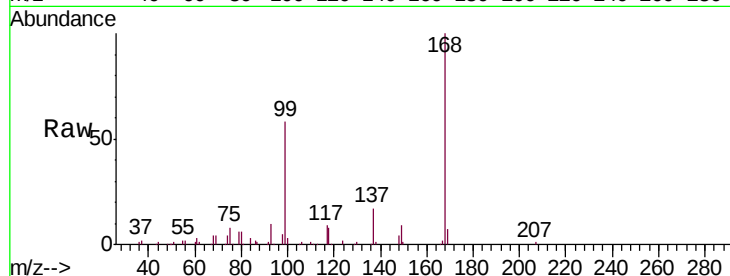
Tgt Ion:117 Resp: 18746

Ion Ratio Lower Upper

117 100

119 4.5 76.7 115.1#

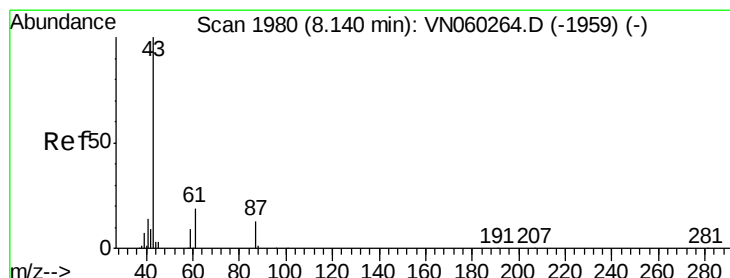
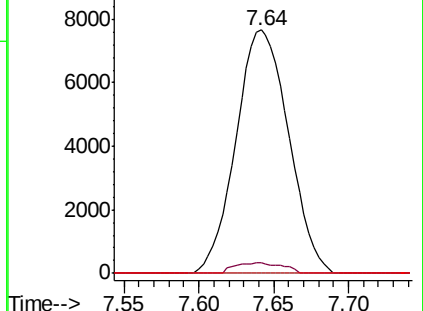
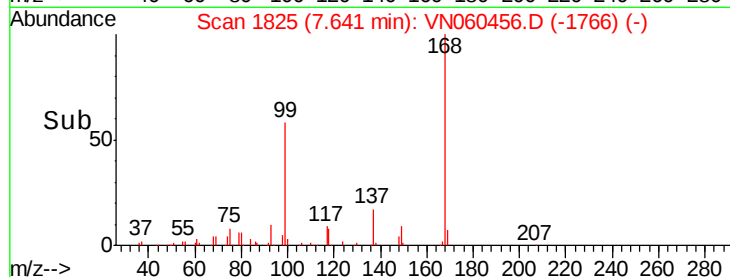
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 10.701 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060456.D

Acq: 11 Mar 2020 17:28

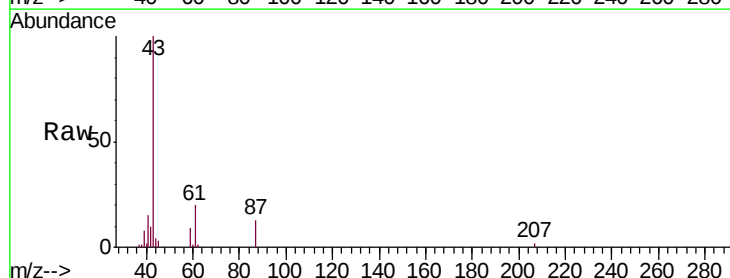
Tgt Ion: 43 Resp: 54180

Ion Ratio Lower Upper

43 100

61 19.7 20.9 31.3#

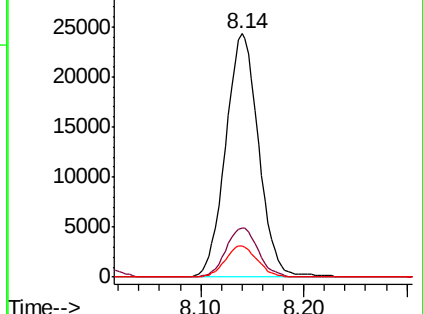
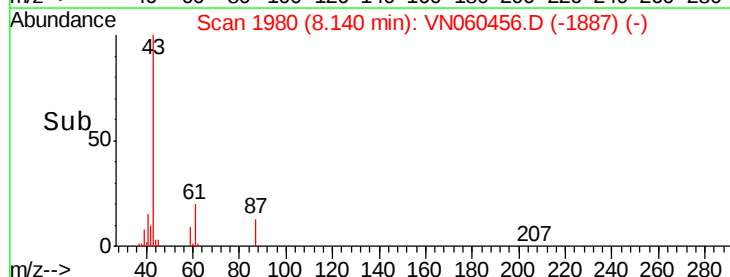
87 12.3 10.6 16.0

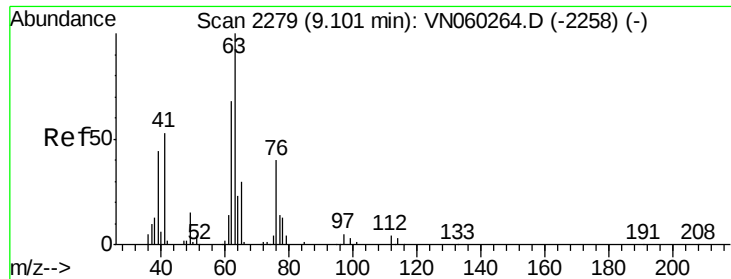


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.398 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060456.D

Acq: 11 Mar 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

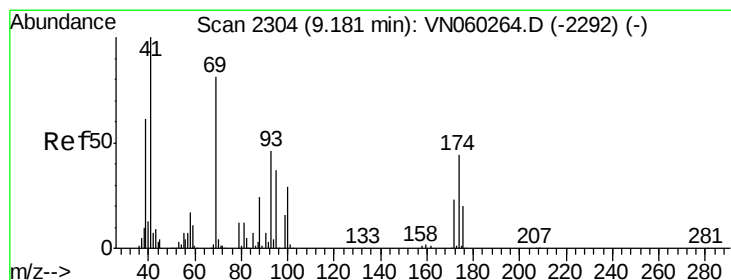
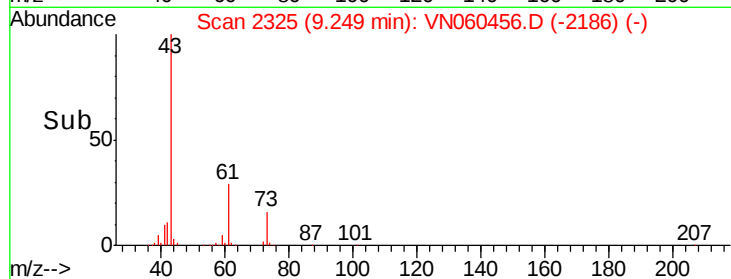
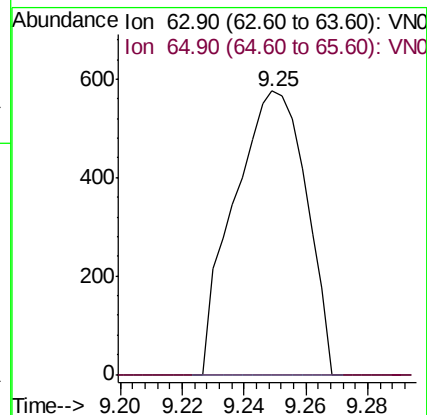
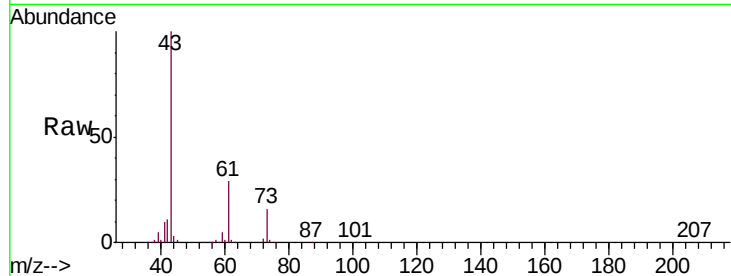
TP-1

Tgt Ion: 63 Resp: 926

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.152 ug/l

RT: 9.16 min Scan# 2297

Delta R.T. -0.02 min

Lab File: VN060456.D

Acq: 11 Mar 2020 17:28

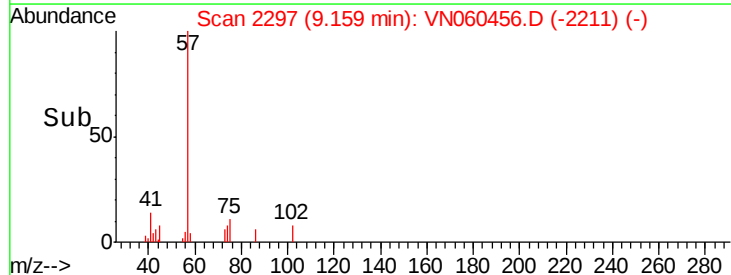
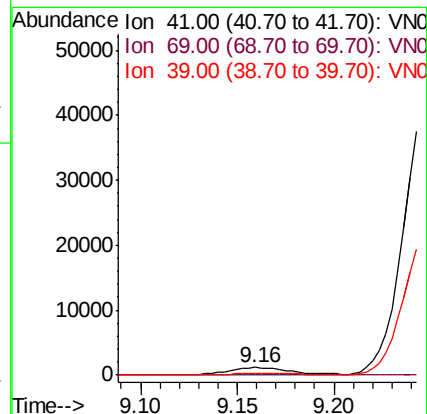
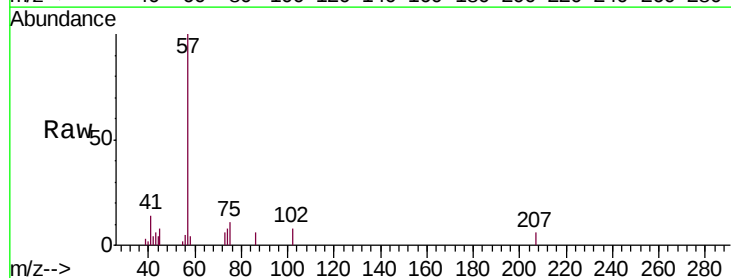
Tgt Ion: 41 Resp: 2661

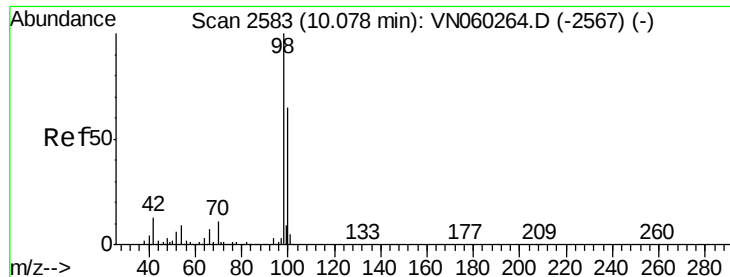
Ion Ratio Lower Upper

41 100

69 0.0 66.7 100.1#

39 0.0 50.1 75.1#





#50

Toluene-d8

Concen: 52.192 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060456.D

Acq: 11 Mar 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

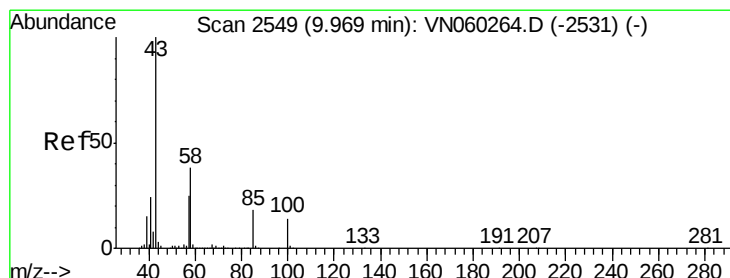
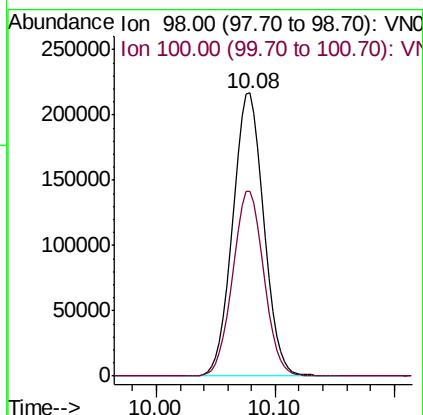
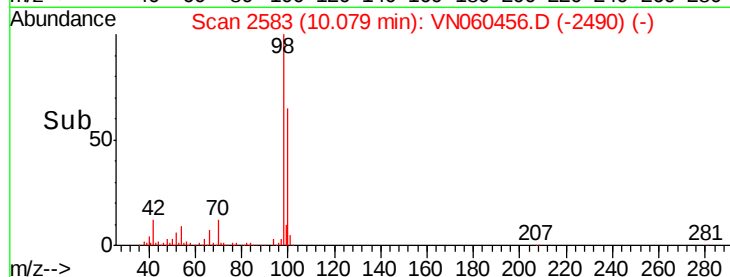
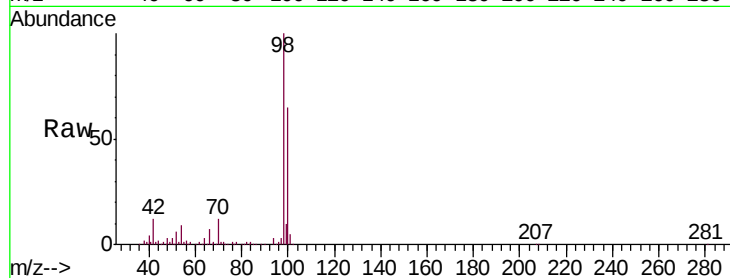
TP-1

Tgt Ion: 98 Resp: 392955

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.253 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060456.D

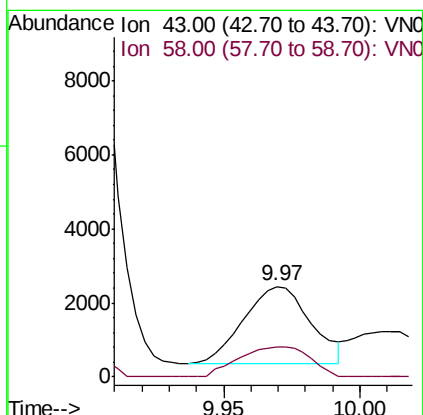
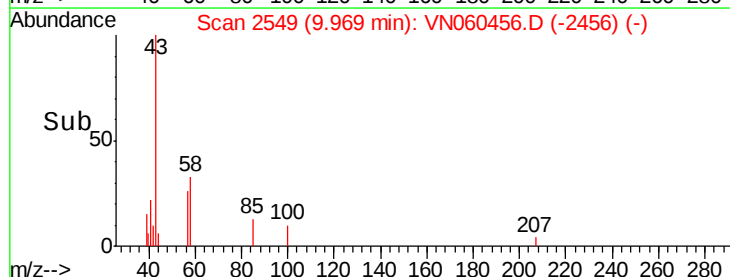
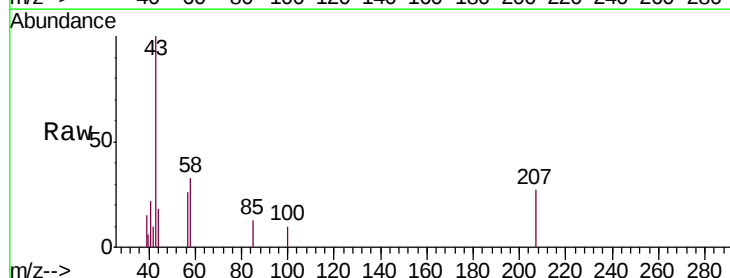
Acq: 11 Mar 2020 17:28

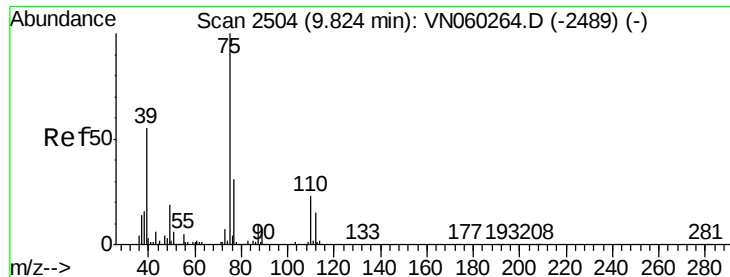
Tgt Ion: 43 Resp: 3597

Ion Ratio Lower Upper

43 100

58 40.9 30.9 46.3





#54

cis-1,3-Dichloropropene

Concen: 5.984 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060456.D

Acq: 11 Mar 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

TP-1

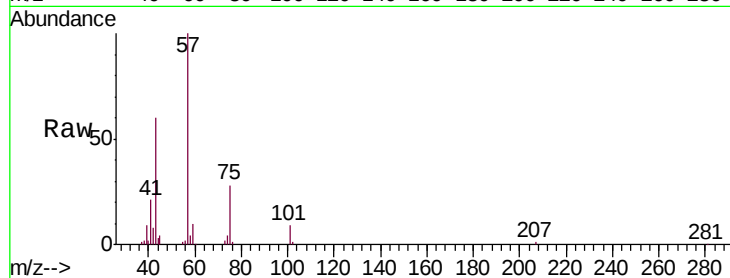
Tgt Ion: 75 Resp: 23305

Ion Ratio Lower Upper

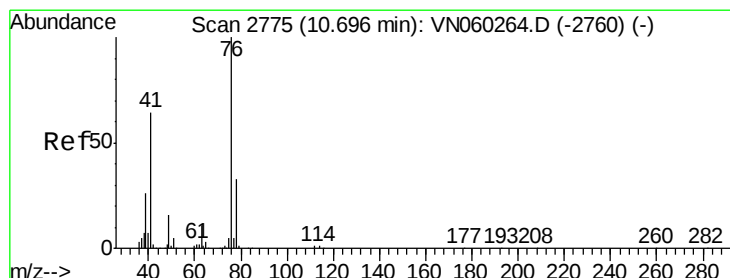
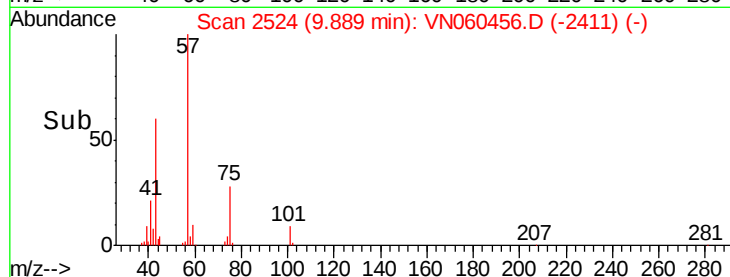
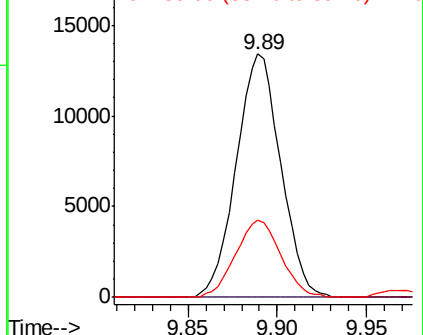
75 100

77 0.0 24.8 37.2#

39 31.5 43.8 65.8#



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



#57

1,3-Dichloropropane

Concen: 1.053 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060456.D

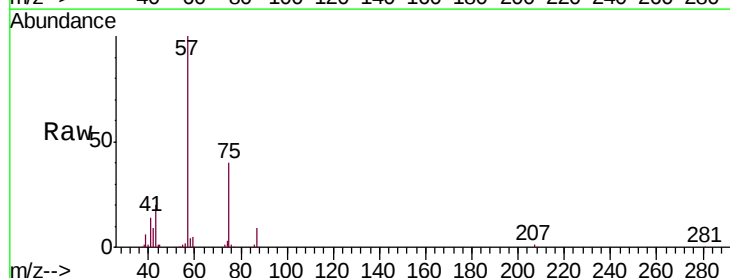
Acq: 11 Mar 2020 17:28

Tgt Ion: 76 Resp: 3856

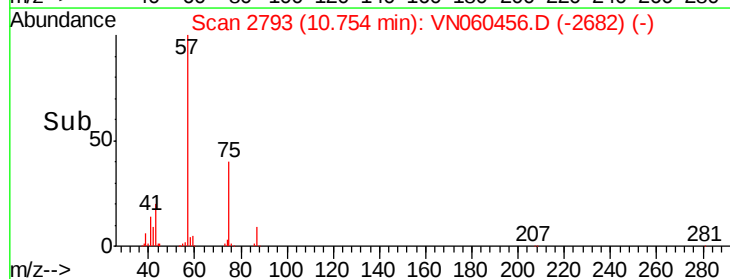
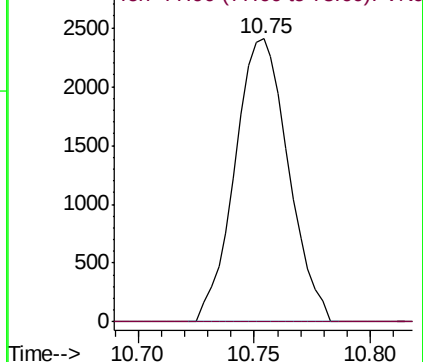
Ion Ratio Lower Upper

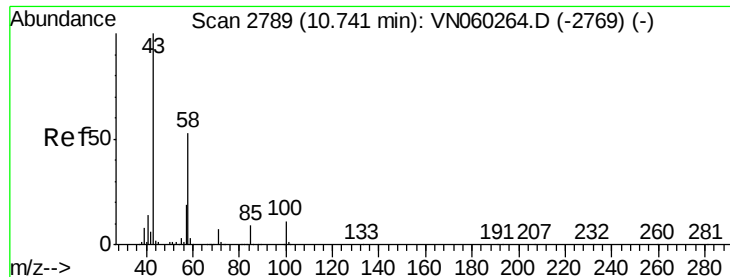
76 100

78 0.0 26.2 39.2#



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

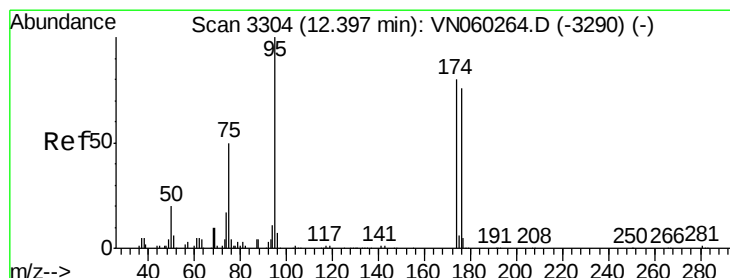
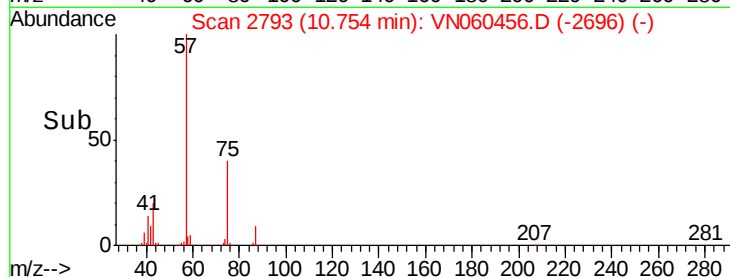
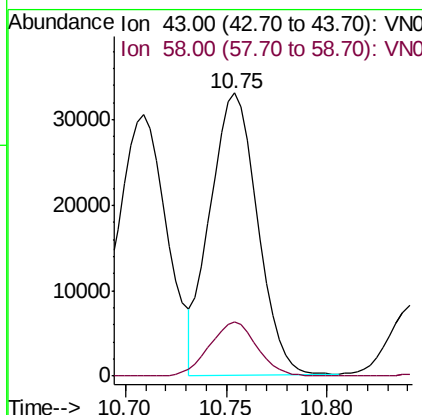
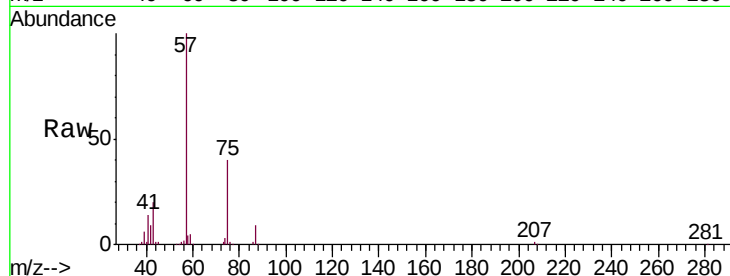




#59
2-Hexanone
Concen: 25.629 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060456.D
Acq: 11 Mar 2020 17:28

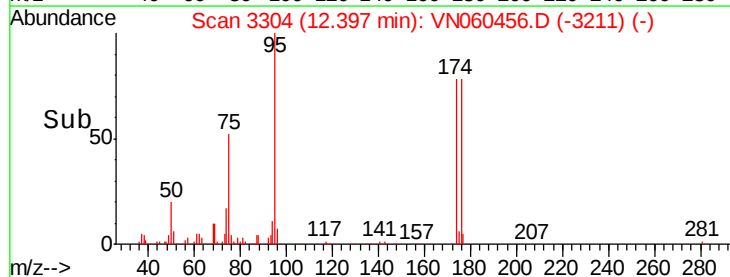
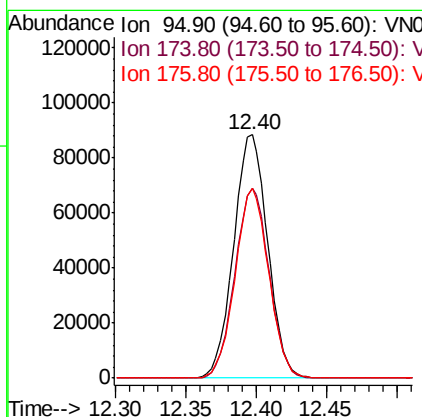
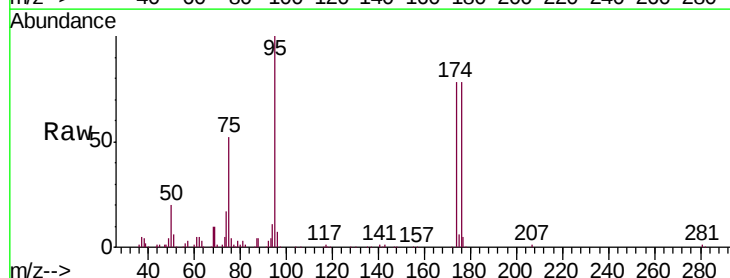
Instrument :
MSVOA_N
ClientSampleId :
TP-1

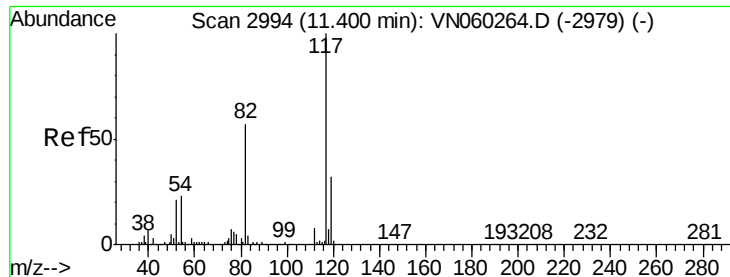
Tgt Ion: 43 Resp: 54020
Ion Ratio Lower Upper
43 100
58 19.3 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 52.407 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060456.D
Acq: 11 Mar 2020 17:28

Tgt Ion: 95 Resp: 149574
Ion Ratio Lower Upper
95 100
174 78.3 0.0 159.2
176 76.6 0.0 153.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060456.D

Acq: 11 Mar 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

TP-1

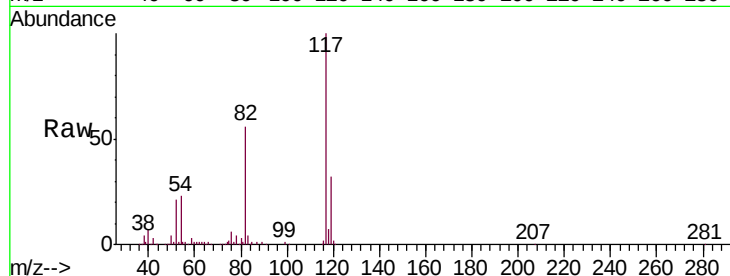
Tgt Ion:117 Resp: 305070

Ion Ratio Lower Upper

117 100

82 56.3 45.8 68.6

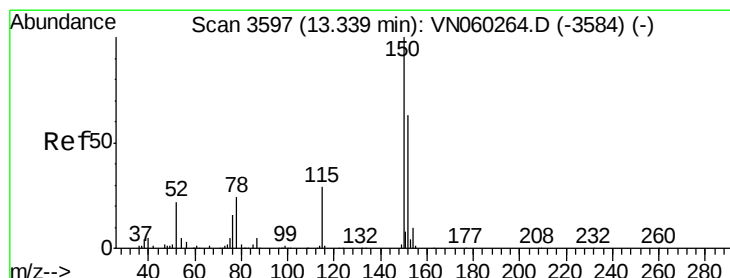
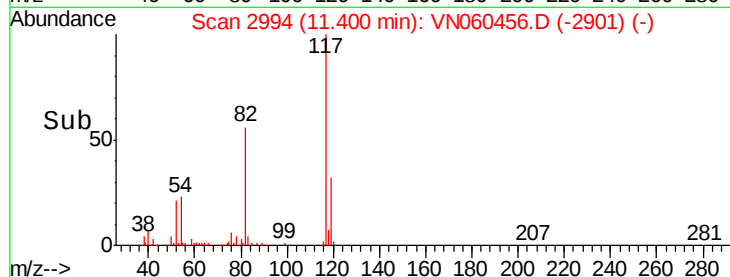
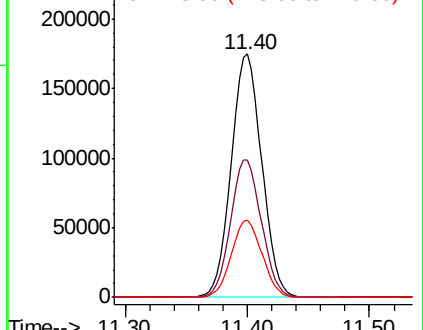
119 31.6 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): 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: VN060456.D

Acq: 11 Mar 2020 17:28

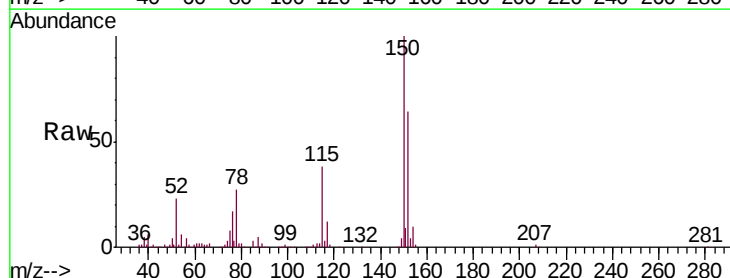
Tgt Ion:152 Resp: 141696

Ion Ratio Lower Upper

152 100

115 59.8 30.0 90.0

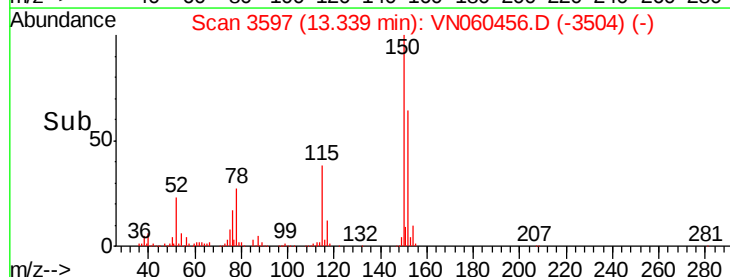
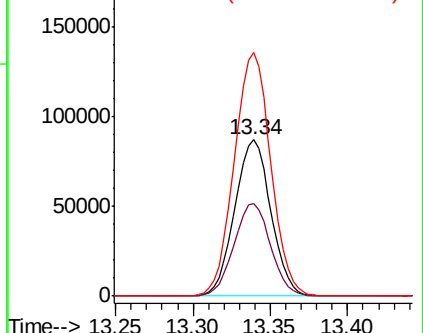
150 157.1 0.0 349.6

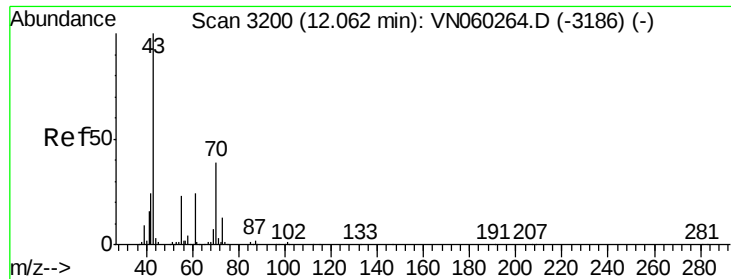


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.760 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060456.D

Acq: 11 Mar 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

TP-1

Tgt Ion: 43 Resp: 3490

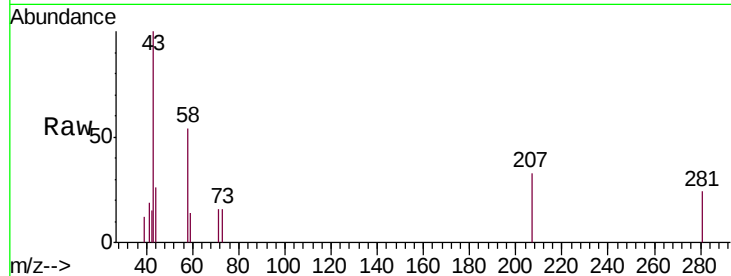
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

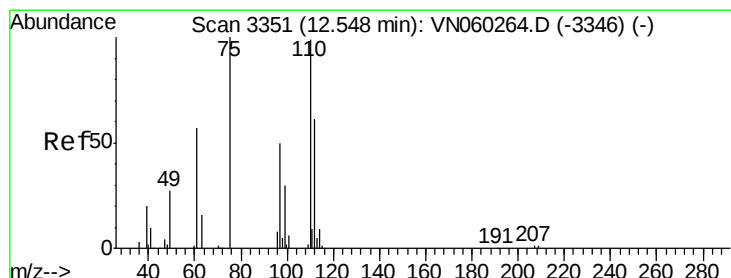
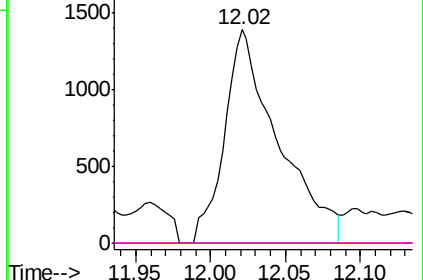
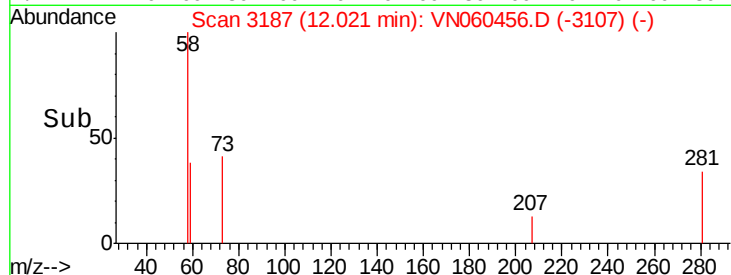


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 24.510 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060456.D

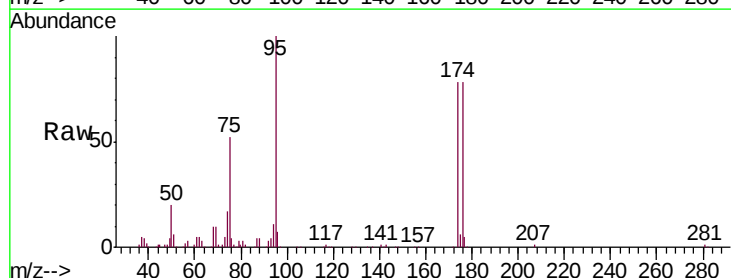
Acq: 11 Mar 2020 17:28

Tgt Ion: 75 Resp: 76198

Ion Ratio Lower Upper

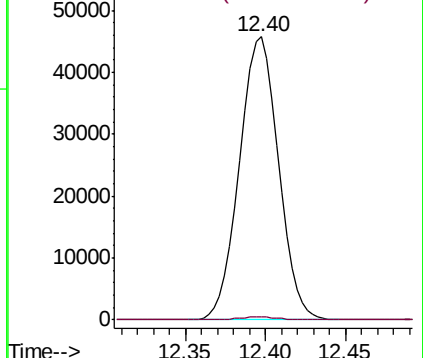
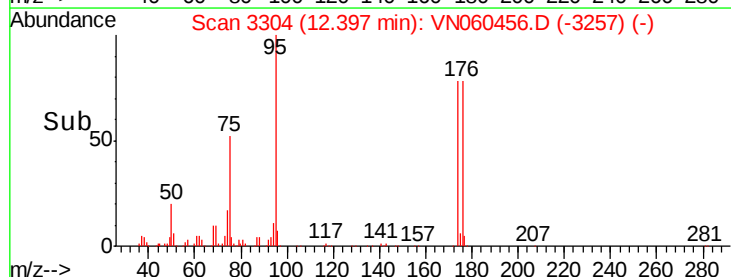
75 100

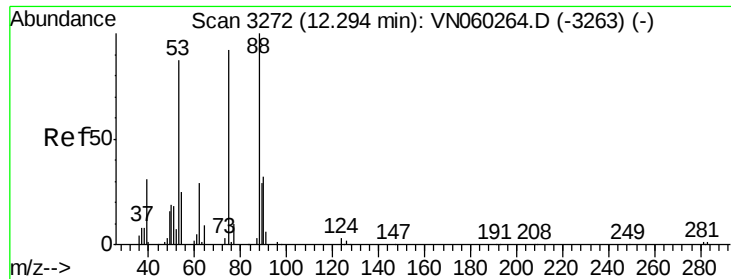
77 1.0 0.0 0.0#



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: 67.660 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060456.D

Acq: 11 Mar 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

TP-1

Tgt Ion: 75 Resp: 76198

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#

