

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052120\
 Data File : VN061529.D
 Acq On : 21 May 2020 14:40
 Operator : JC/MD
 Sample : PB129027ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 22 07:15:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	293076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	539794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	545960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	240189	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	195197	44.63	ug/l	0.00
Spiked Amount			Recovery	=	89.26%	
35) Dibromofluoromethane	7.55	113	142610	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
50) Toluene-d8	10.06	98	668454	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.37	95	259245	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	

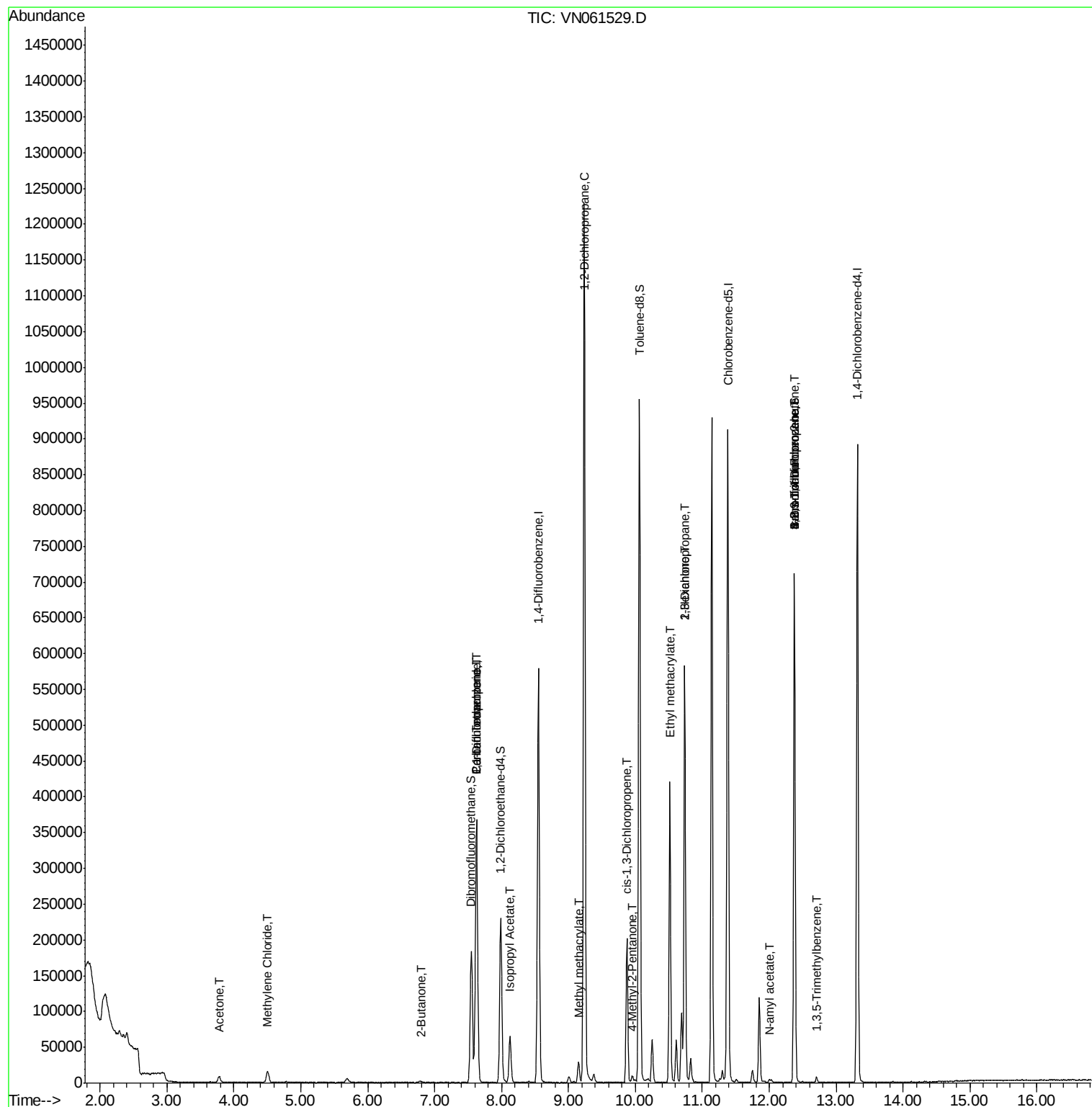
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	493	Below Cal	#	36
16) Acetone	3.78	43	13913	1.039	ug/l	94
17) Carbon Disulfide	4.03	76	106	Below Cal	#	75
18) Methyl Acetate	4.28	43	2377	Below Cal	#	68
20) Methylene Chloride	4.50	84	12572	3.497	ug/l	95
25) 2-Butanone	6.79	43	714	0.359	ug/l	92
31) Cyclohexane	7.63	56	6005	Below Cal	#	1
36) 1,1-Dichloropropene	7.62	75	23402	4.637	ug/l	50
38) Carbon Tetrachloride	7.63	117	30942	6.658	ug/l	16
43) Isopropyl Acetate	8.13	43	73536	9.211	ug/l	91
45) 1,2-Dichloropropane	9.24	63	1708	0.449	ug/l	43
48) Methyl methacrylate	9.15	41	3600	0.976	ug/l	9
49) 1,4-Dioxane	9.23	88	59	Below Cal	#	1
51) 4-Methyl-2-Pentanone	9.95	43	6577	1.512	ug/l	99
54) cis-1,3-Dichloropropene	9.87	75	40717	6.214	ug/l	58
56) Ethyl methacrylate	10.51	69	1163	0.201	ug/l	1
57) 1,3-Dichloropropane	10.74	76	6853	1.074	ug/l	42
59) 2-Hexanone	10.73	43	79667	25.319	ug/l	49
71) Bromoform	12.38	173	1970	2.629	ug/l	1
74) N-amyl acetate	12.00	43	3282	0.465	ug/l	42
76) 1,2,3-Trichloropropane	12.37	75	129845	25.194	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	4376	0.277	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.37	75	129845	66.833	ug/l	12

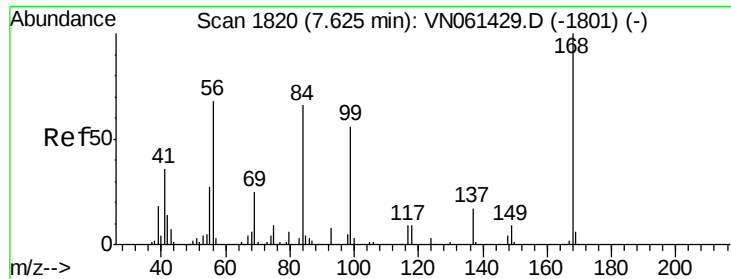
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 21 May 2020 14:40
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Quant Time: May 22 07:15:40 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 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: VN061529.D

Acq: 21 May 2020 14:40

Instrument :

MSVOA_N

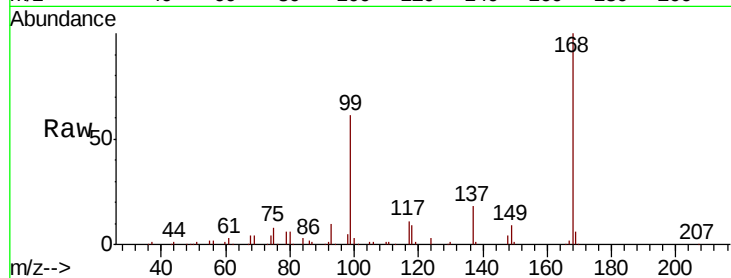
ClientSampleId :

Tot Ion:168 Resp: 293076

Ion Ratio Lower Upper

168 100

99 60.6 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

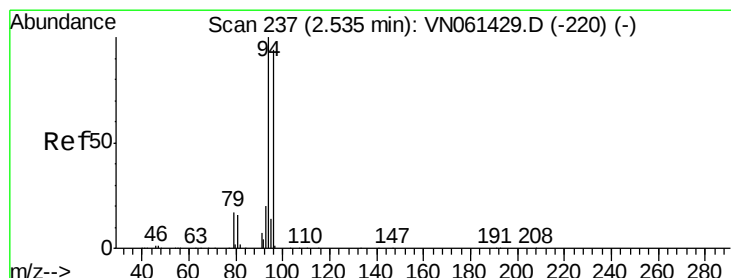
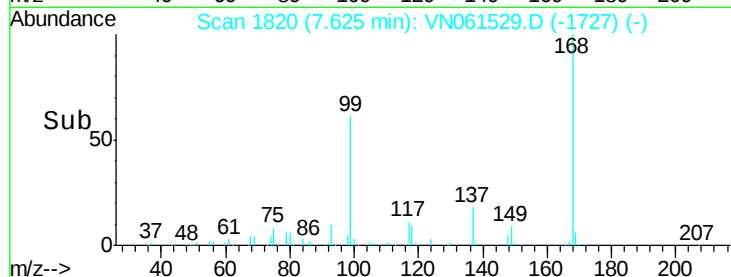
7.63

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 242

Delta R.T. 0.02 min

Lab File: VN061529.D

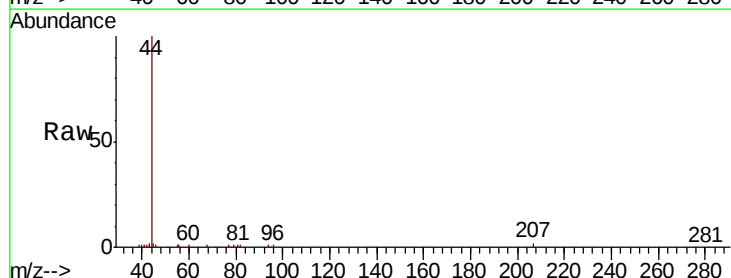
Acq: 21 May 2020 14:40

Tgt Ion: 94 Resp: 493

Ion Ratio Lower Upper

94 100

96 31.7 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

500

400

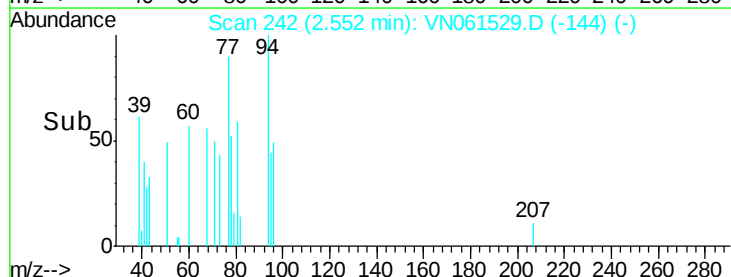
300

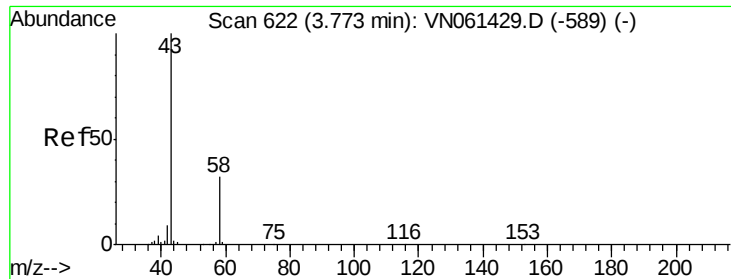
200

100

0

Time-->





#16

Acetone

Concen: 1.039 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061529.D

Acq: 21 May 2020 14:40

Instrument :

MSVOA_N

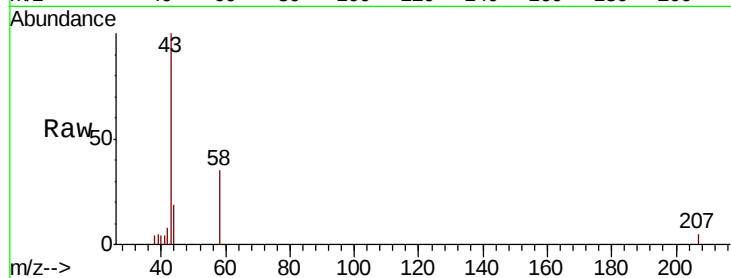
ClientSampled :

Tot Ion: 43 Resp: 13913

Ion Ratio Lower Upper

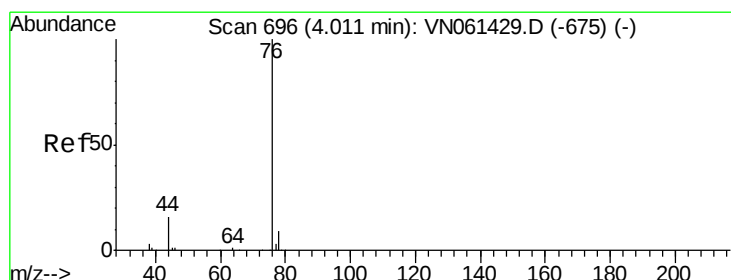
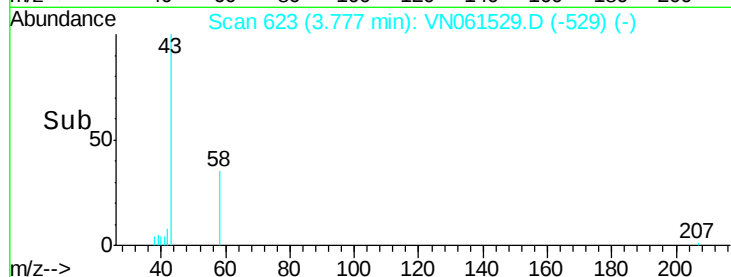
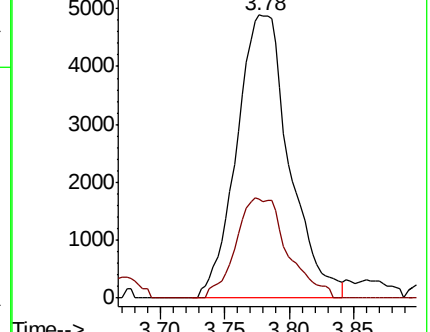
43 100

58 35.1 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 701

Delta R.T. 0.02 min

Lab File: VN061529.D

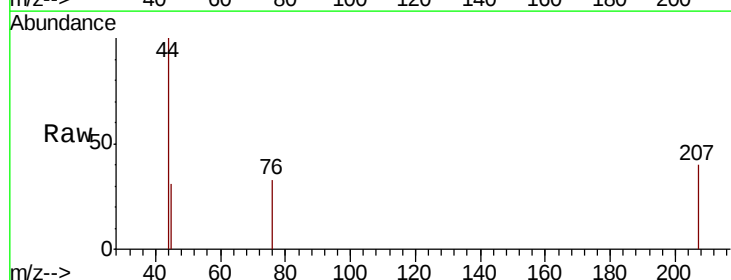
Acq: 21 May 2020 14:40

Tgt Ion: 76 Resp: 106

Ion Ratio Lower Upper

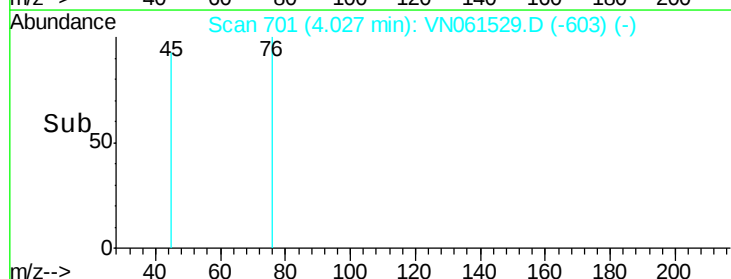
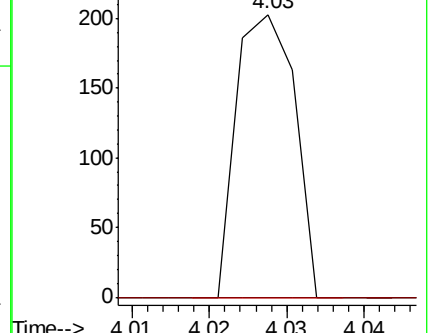
76 100

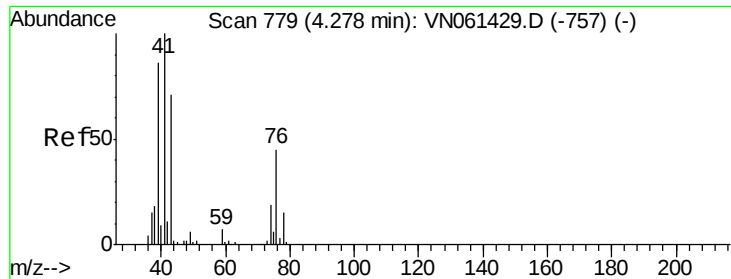
78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

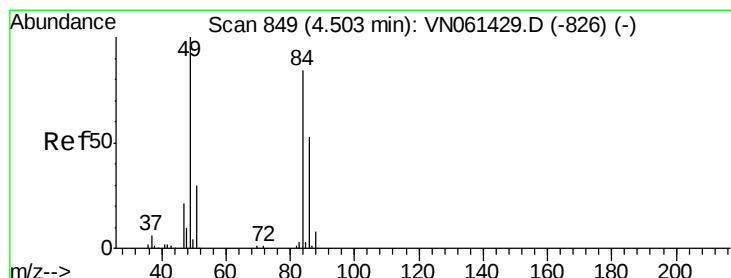
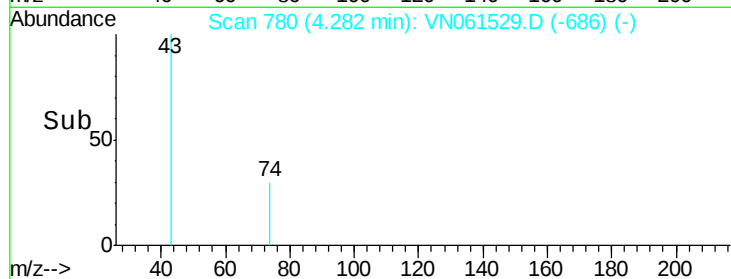
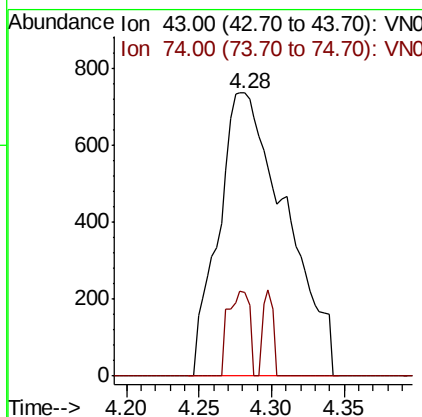
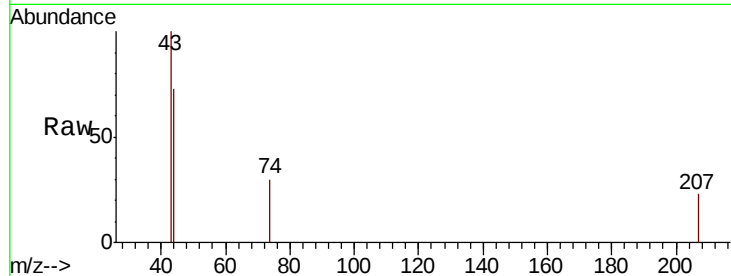




#18
Methyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN061529.D
Acq: 21 May 2020 14:40

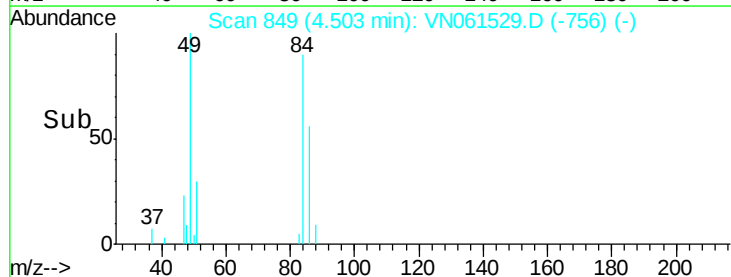
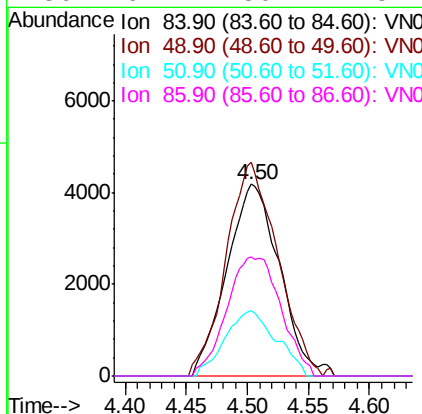
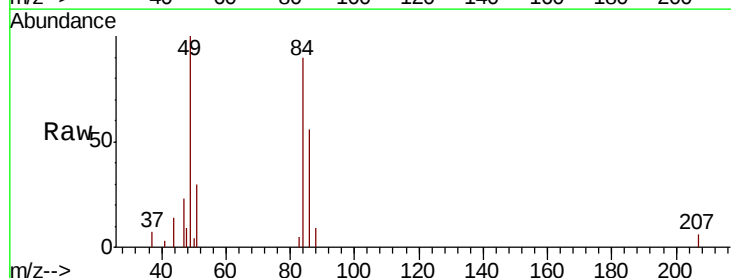
Instrument :
MSVOA_N
ClientSampleId :

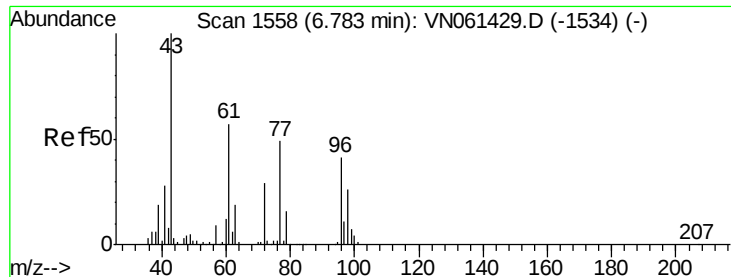
Tot Ion: 43 Resp: 2377
Ion Ratio Lower Upper
43 100
74 9.5 20.8 31.2#



#20
Methylene Chloride
Concen: 3.497 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061529.D
Acq: 21 May 2020 14:40

Tgt Ion: 84 Resp: 12572
Ion Ratio Lower Upper
84 100
49 111.3 95.3 142.9
51 33.9 29.0 43.6
86 62.2 50.2 75.2

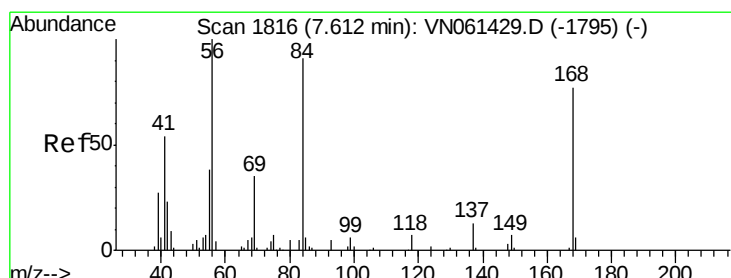
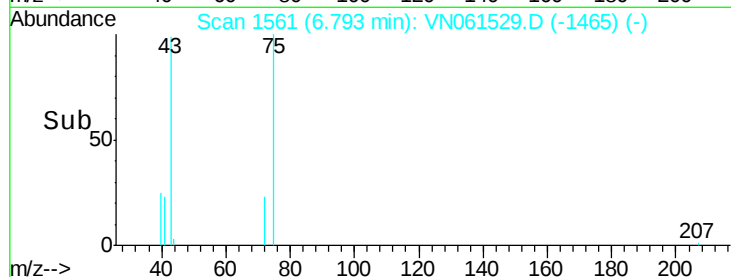
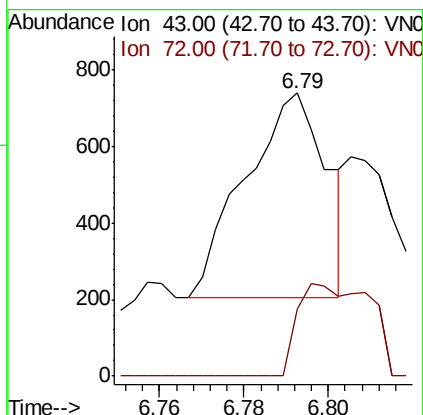
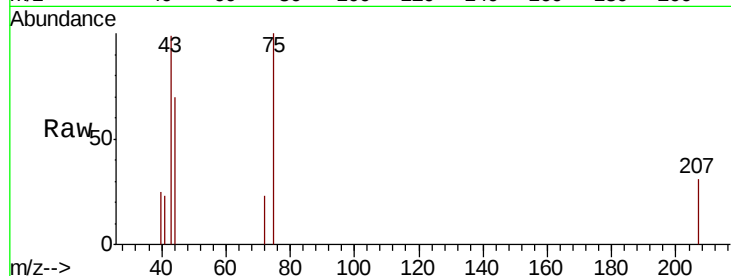




#25
2-Butanone
Concen: 0.359 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN061529.D
Acq: 21 May 2020 14:40

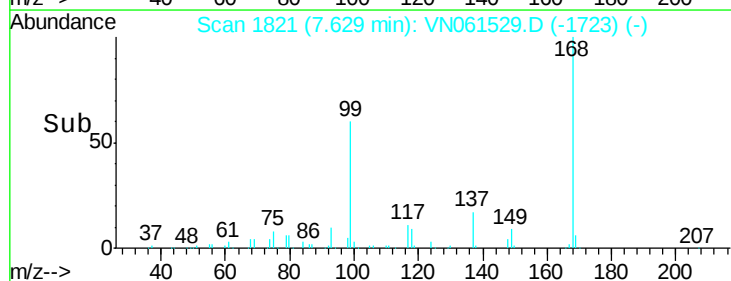
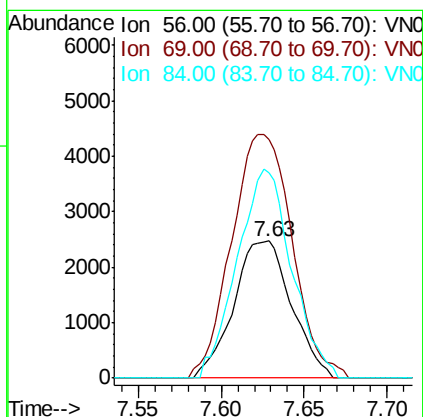
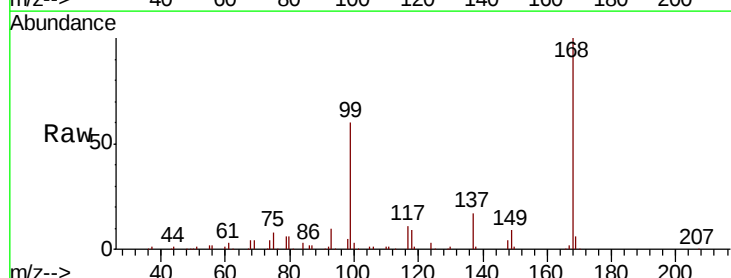
Instrument :
MSVOA_N
ClientSampled :

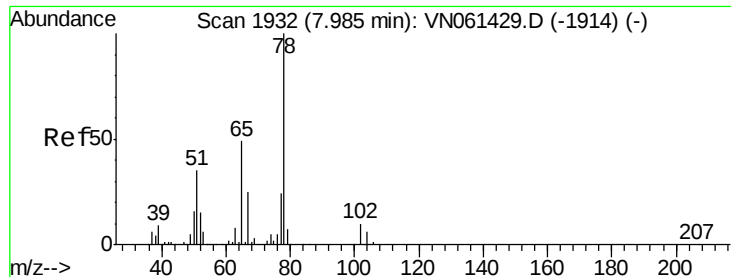
Tot Ion: 43 Resp: 714
Ion Ratio Lower Upper
43 100
72 33.0 23.0 34.6



#31
Cyclohexane
Concen: Below Cal
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN061529.D
Acq: 21 May 2020 14:40

Tgt Ion: 56 Resp: 6005
Ion Ratio Lower Upper
56 100
69 174.4 27.8 41.6#
84 149.8 72.7 109.1#

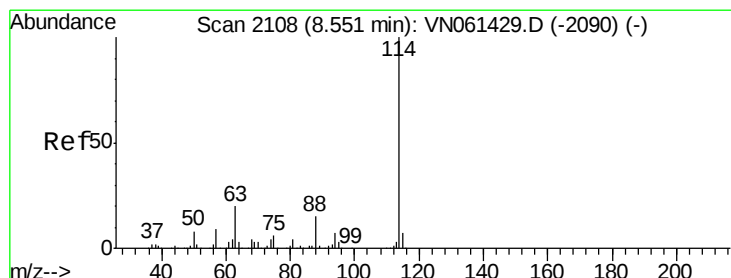
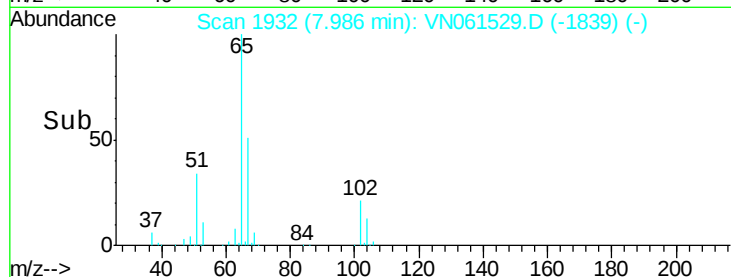
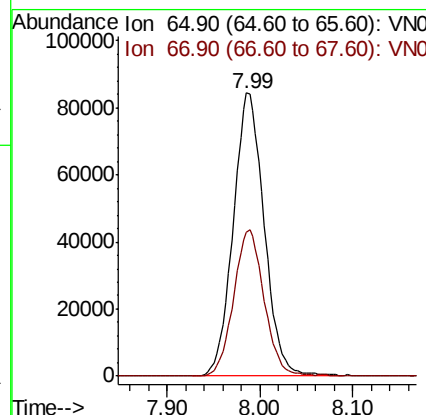
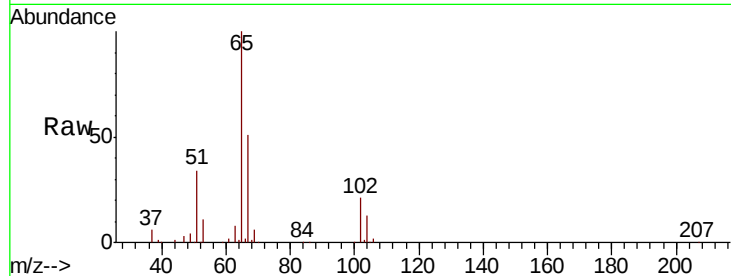




#33
 1,2-Dichloroethane-d4
 Concen: 44.626 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN061529.D
 Acq: 21 May 2020 14:40

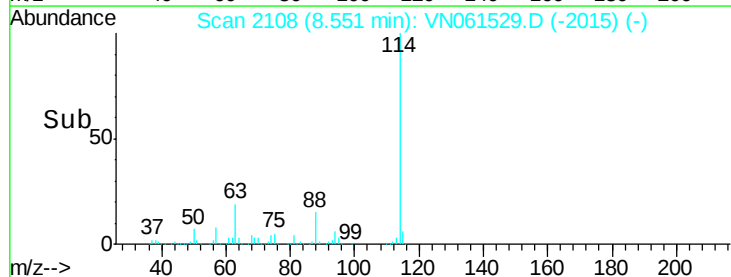
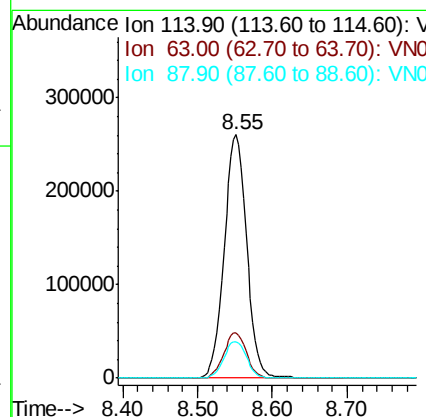
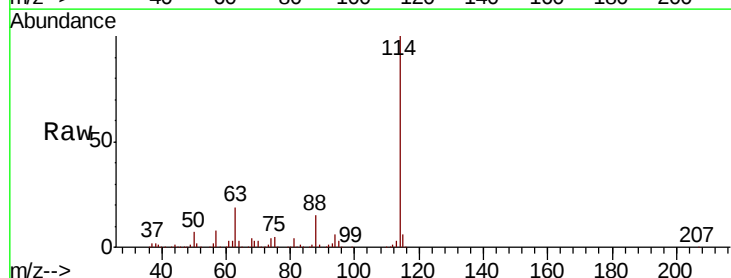
Instrument :
 MSVOA_N
 ClientSampleId :

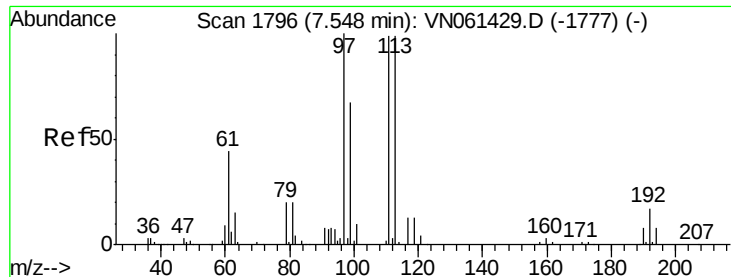
Tot Ion: 65 Resp: 195197
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061529.D
 Acq: 21 May 2020 14:40

Tgt Ion: 114 Resp: 539794
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 40.8
 88 15.1 0.0 30.8

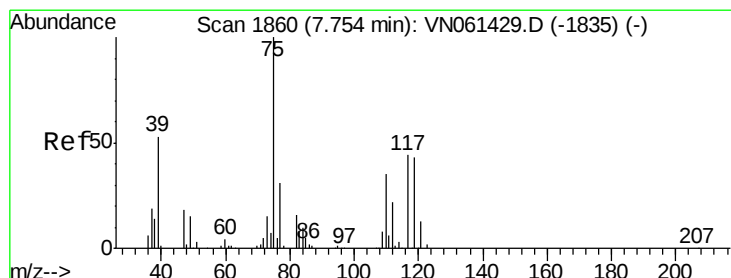
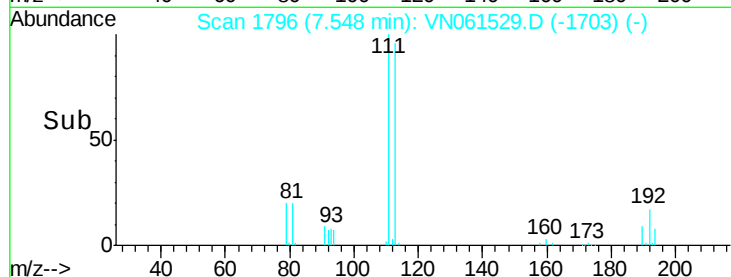
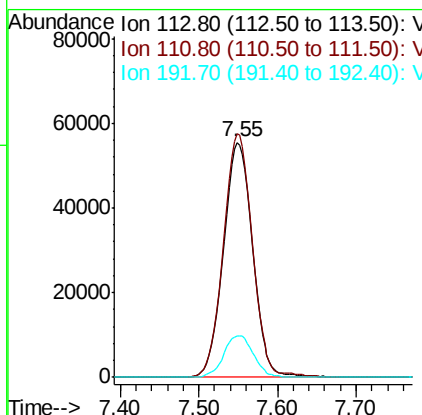
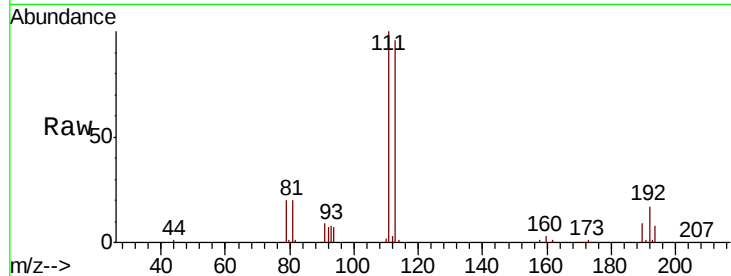




#35
 Dibromofluoromethane
 Concen: 50.431 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061529.D
 Acq: 21 May 2020 14:40

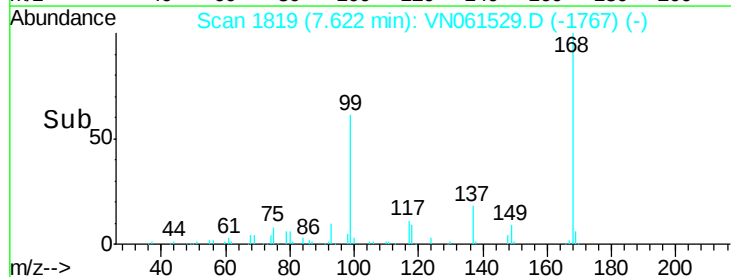
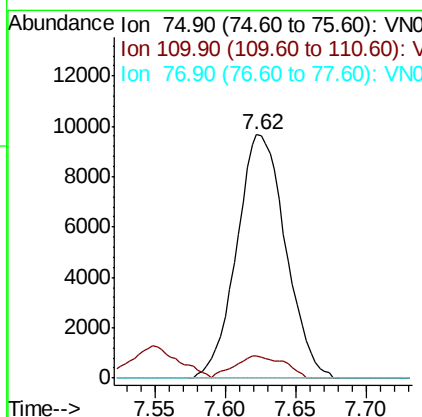
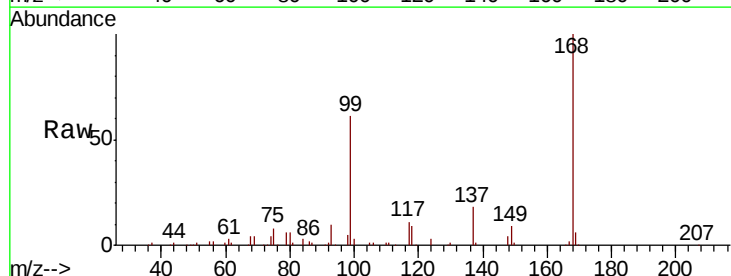
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 ClientSampled :

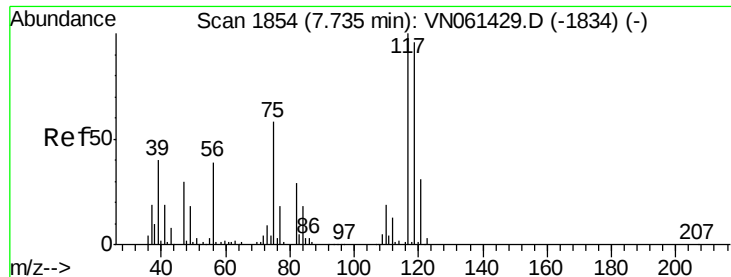
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.6	121.0
192	18.0	13.2	19.8



#36
 1,1-Dichloropropene
 Concen: 4.637 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061529.D
 Acq: 21 May 2020 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.3	51.9#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.658 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061529.D

Acq: 21 May 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

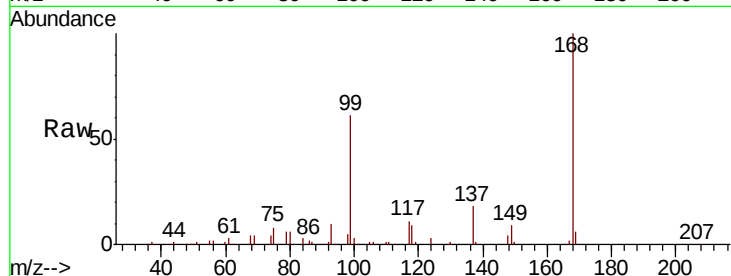
Tot Ion:117 Resp: 30942

Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.6#

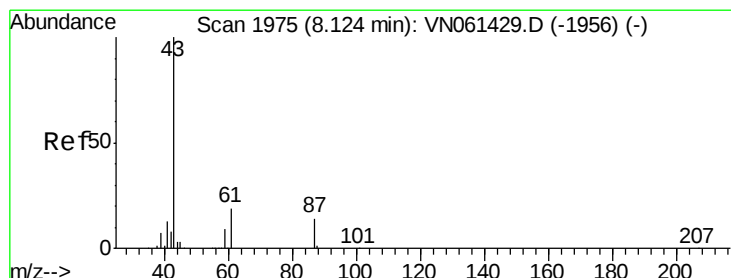
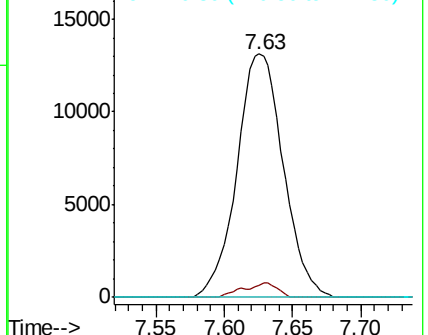
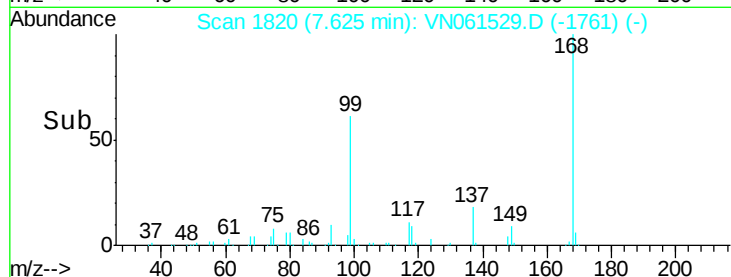
121 0.0 24.7 37.1#



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



#43

Isopropyl Acetate

Concen: 9.211 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061529.D

Acq: 21 May 2020 14:40

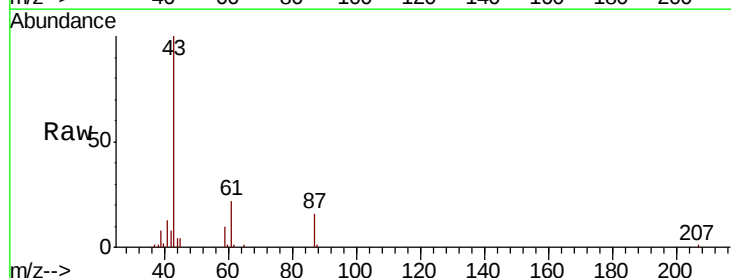
Tgt Ion: 43 Resp: 73536

Ion Ratio Lower Upper

43 100

61 22.1 23.0 34.4#

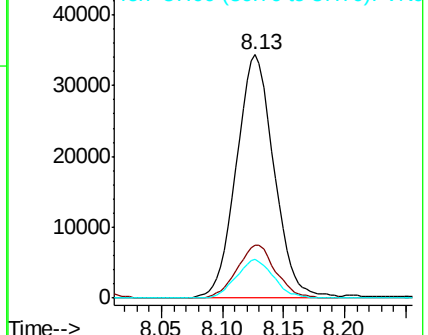
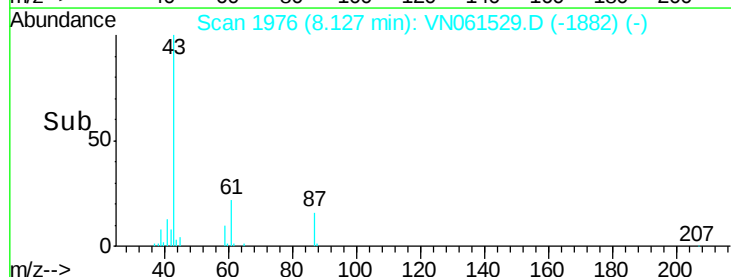
87 15.6 11.6 17.4

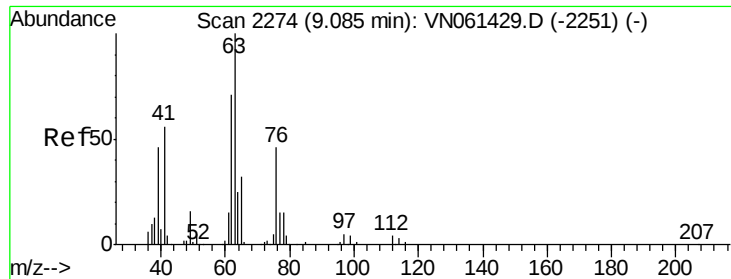


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

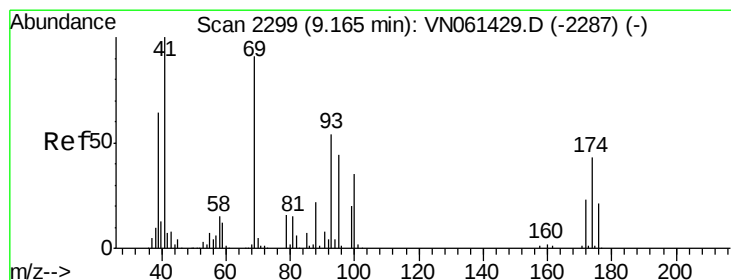
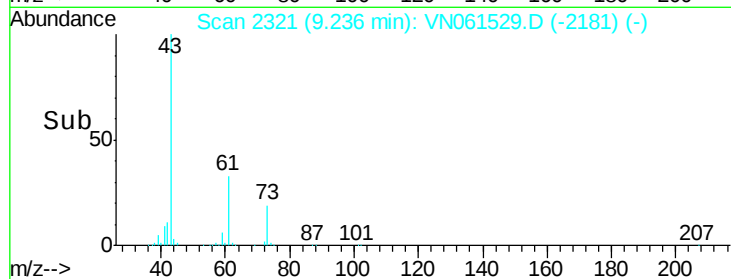
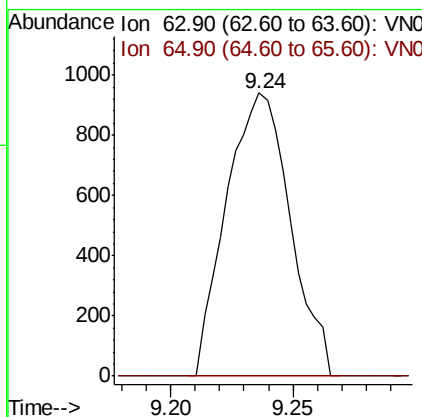
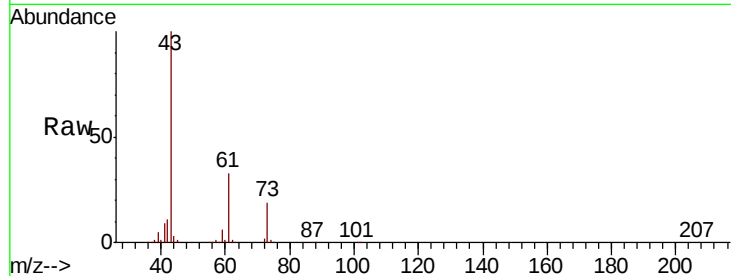




#45
 1,2-Dichloropropane
 Concen: 0.449 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.15 min
 Lab File: VN061529.D
 Acq: 21 May 2020 14:40

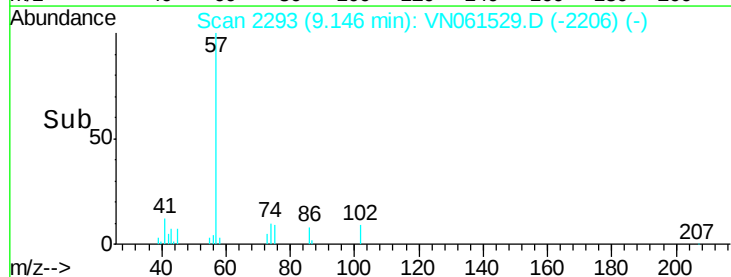
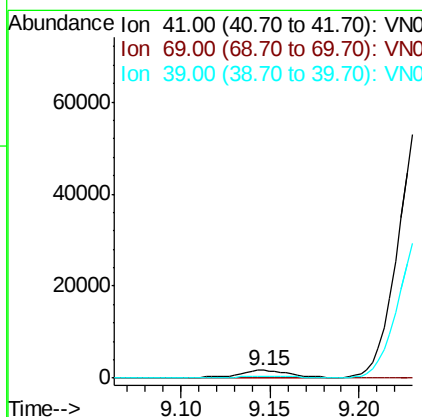
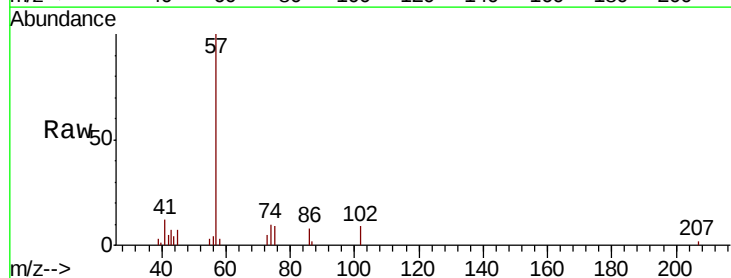
Instrument :
 MSVOA_N
 ClientSampled :

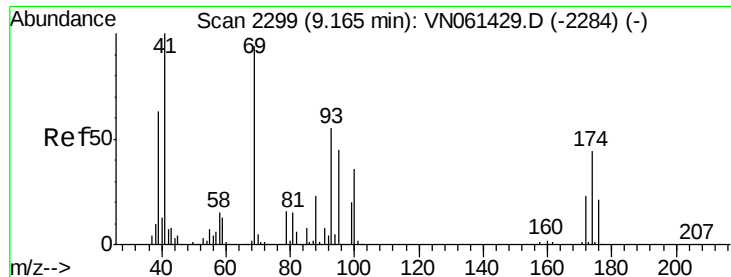
Tot Ion: 63 Resp: 1708
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.2 37.8#



#48
 Methyl methacrylate
 Concen: 0.976 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. -0.02 min
 Lab File: VN061529.D
 Acq: 21 May 2020 14:40

Tgt Ion: 41 Resp: 3600
 Ion Ratio Lower Upper
 41 100
 69 0.0 75.3 112.9#
 39 0.0 52.6 79.0#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.23 min Scan# 2320

Delta R.T. 0.07 min

Lab File: VN061529.D

Acq: 21 May 2020 14:40

Instrument :

MSVOA_N

ClientSampled :

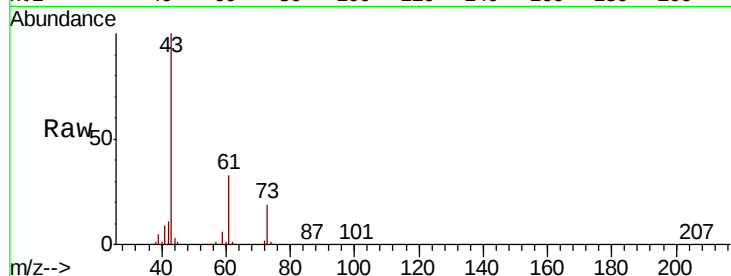
Tot Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 1980433.9 26.3 39.5#

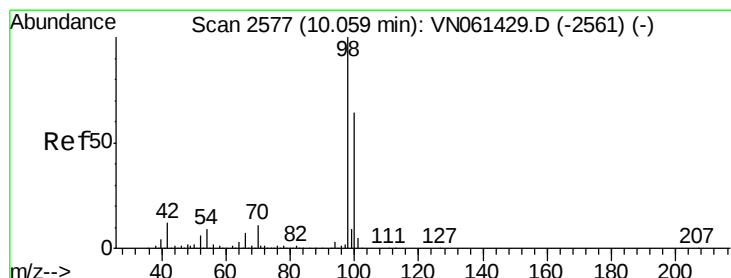
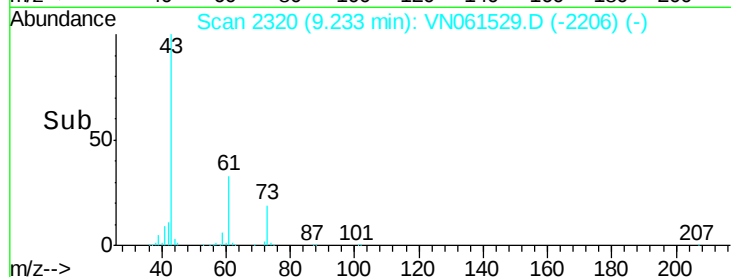
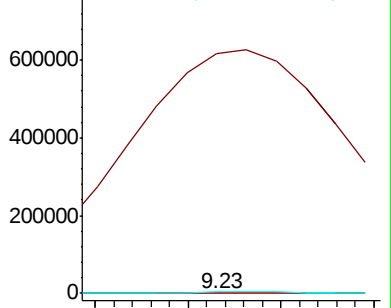
58 9554.2 54.1 81.1#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.964 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061529.D

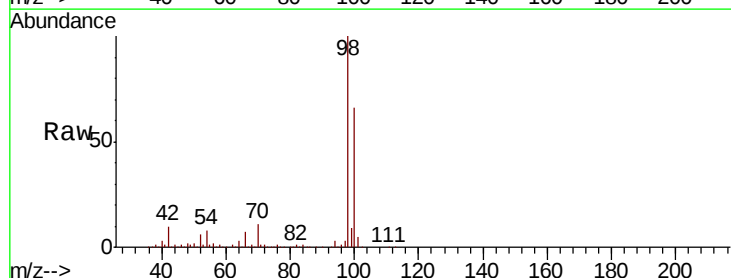
Acq: 21 May 2020 14:40

Tgt Ion: 98 Resp: 668454

Ion Ratio Lower Upper

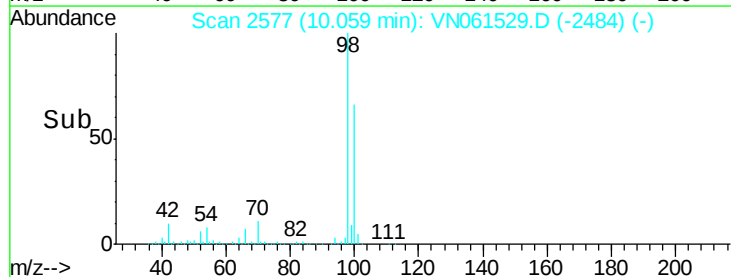
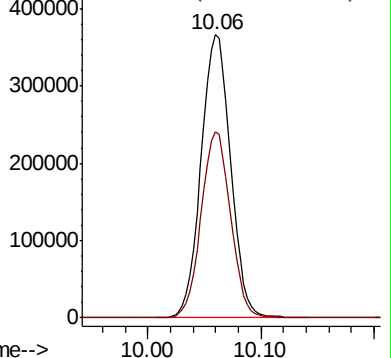
98 100

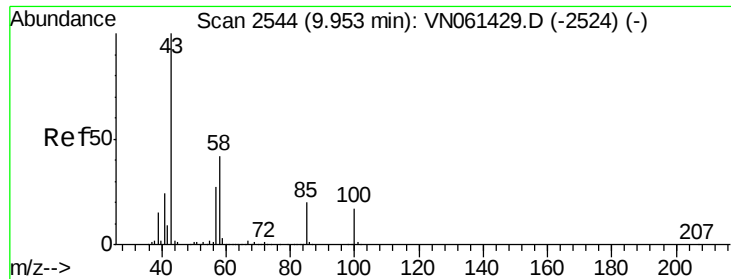
100 65.5 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

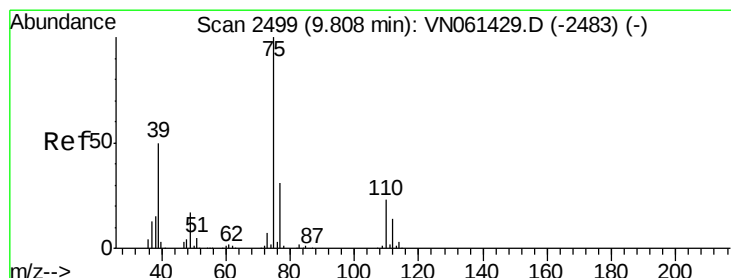
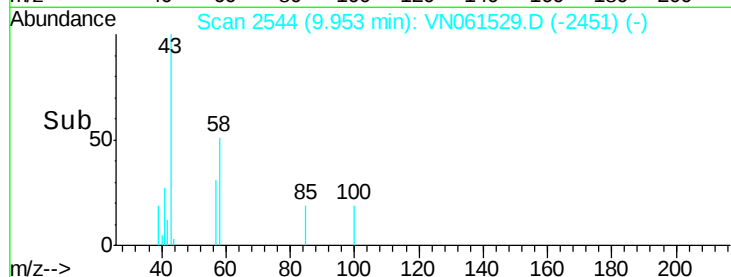
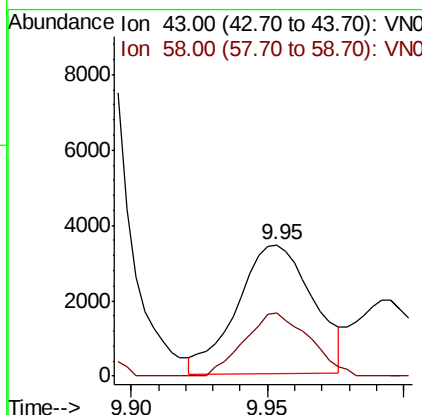
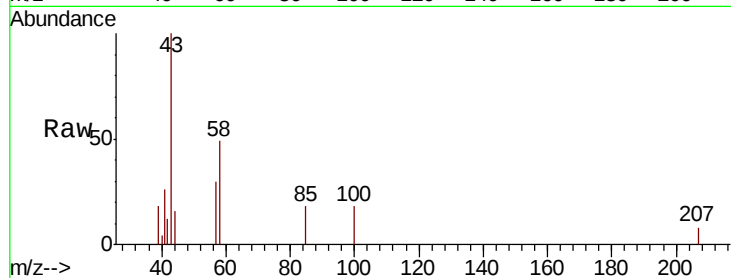




#51
 4-Methyl-2-Pentanone
 Concen: 1.512 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN061529.D
 Acq: 21 May 2020 14:40

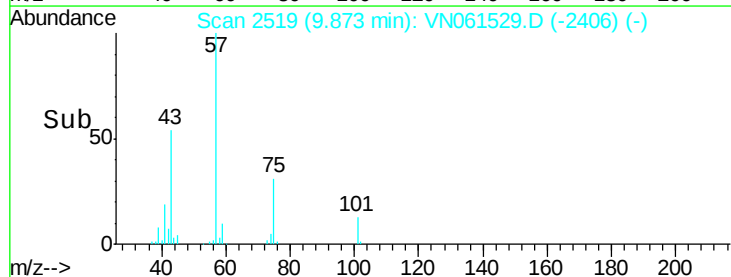
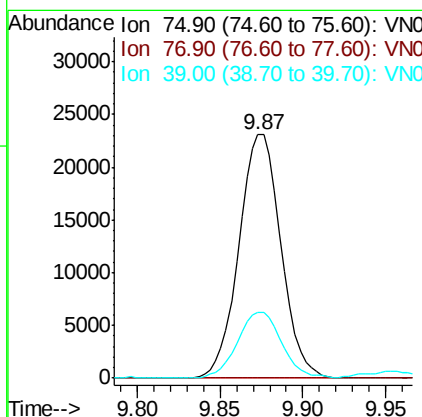
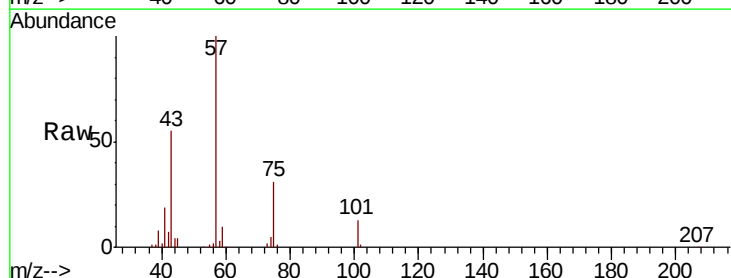
Instrument :
 MSVOA_N
 ClientSampled :

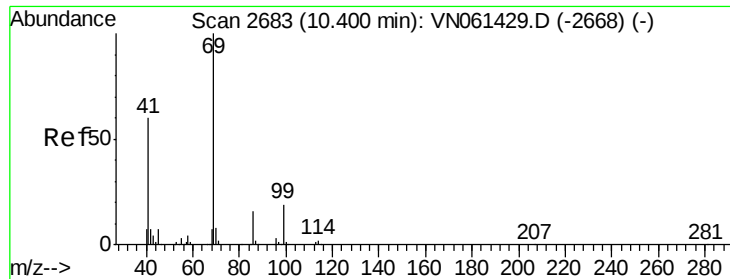
Tot Ion: 43 Resp: 6577
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.4 50.2



#54
 cis-1,3-Dichloropropene
 Concen: 6.214 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN061529.D
 Acq: 21 May 2020 14:40

Tgt Ion: 75 Resp: 40717
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 27.2 39.8 59.6#





#56

Ethyl methacrylate

Concen: 0.201 ug/l

RT: 10.51 min Scan# 2718

Delta R.T. 0.11 min

Lab File: VN061529.D

Acq: 21 May 2020 14:40

Instrument :

MSVOA_N

ClientSampled :

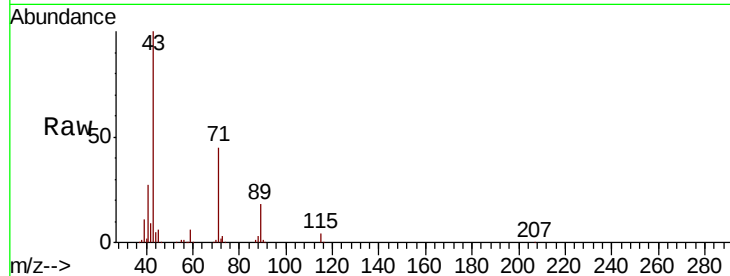
Tot Ion: 69 Resp: 1163

Ion Ratio Lower Upper

69 100

41 6548.9 48.3 72.5#

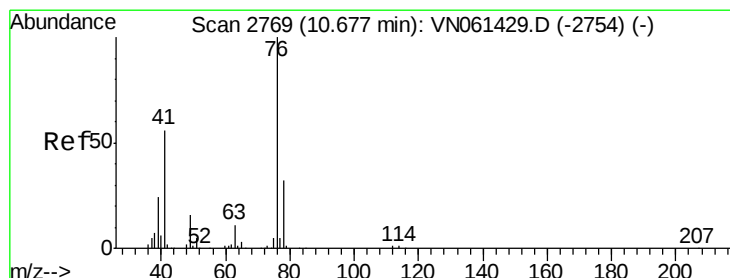
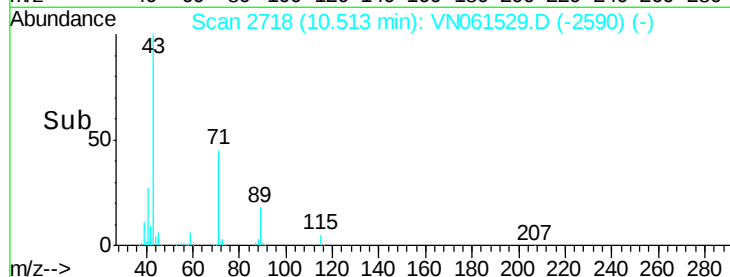
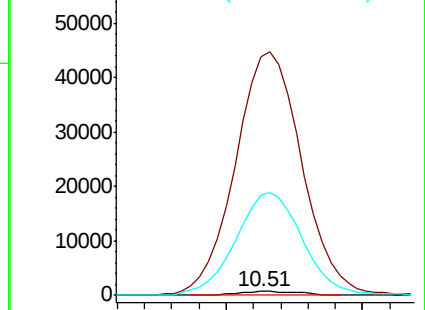
39 2777.6 30.2 45.2#



Abundance Ion 69.00 (68.70 to 69.70): VN061529.D (-2590) (-)

Ion 41.00 (40.70 to 41.70): VN061529.D (-2590) (-)

Ion 39.00 (38.70 to 39.70): VN061529.D (-2590) (-)



#57

1,3-Dichloropropane

Concen: 1.074 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN061529.D

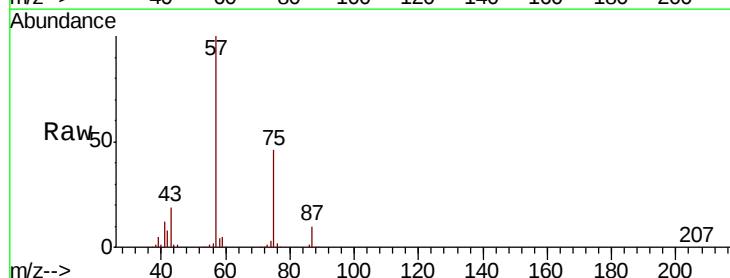
Acq: 21 May 2020 14:40

Tgt Ion: 76 Resp: 6853

Ion Ratio Lower Upper

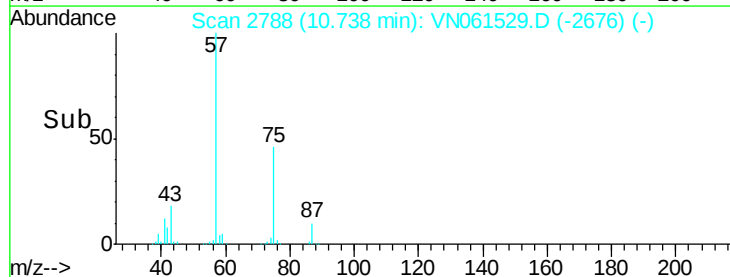
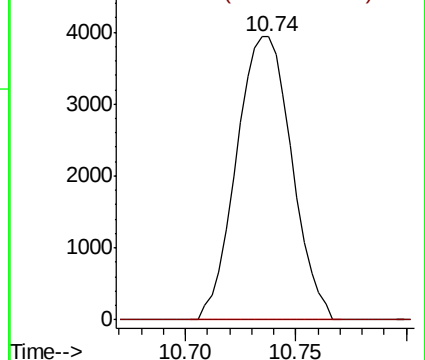
76 100

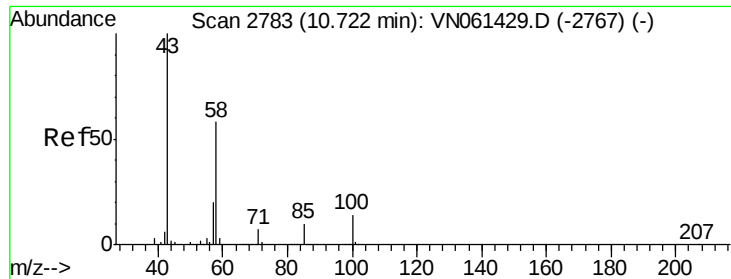
78 0.0 26.0 39.0#



Abundance Ion 75.90 (75.60 to 76.60): VN061529.D (-2676) (-)

Ion 77.90 (77.60 to 78.60): VN061529.D (-2676) (-)





#59

2-Hexanone

Concen: 25.319 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.01 min

Lab File: VN061529.D

Acq: 21 May 2020 14:40

Instrument :

MSVOA_N

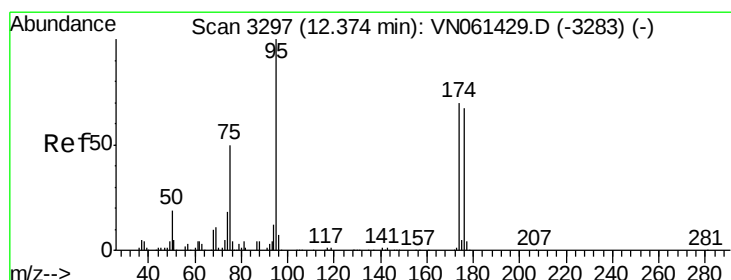
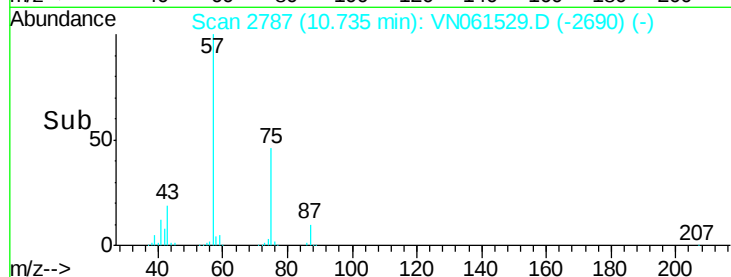
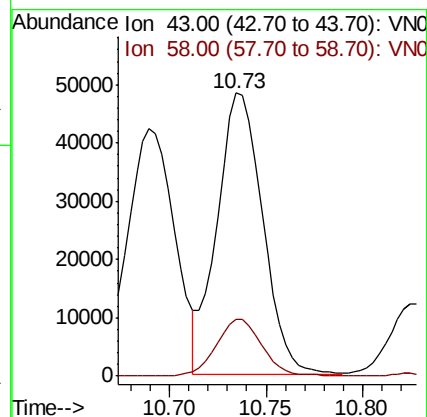
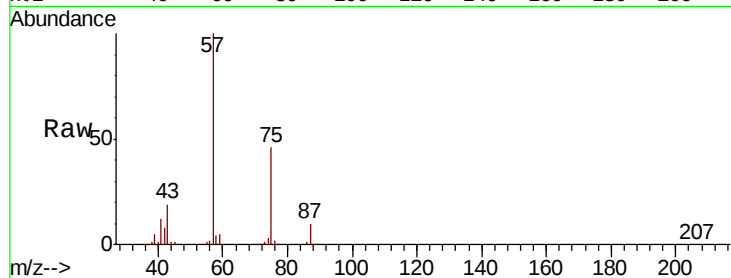
ClientSampled :

Tot Ion: 43 Resp: 79667

Ion Ratio Lower Upper

43 100

58 20.2 29.2 87.6#



#62

4-Bromofluorobenzene

Concen: 52.904 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VN061529.D

Acq: 21 May 2020 14:40

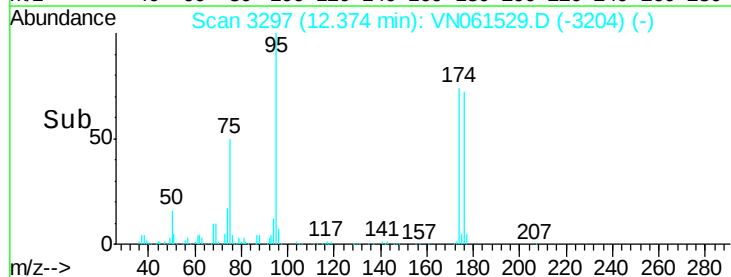
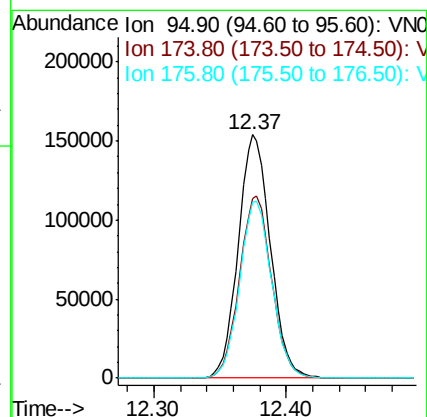
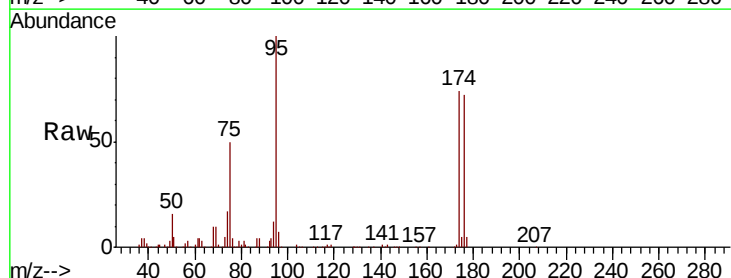
Tgt Ion: 95 Resp: 259245

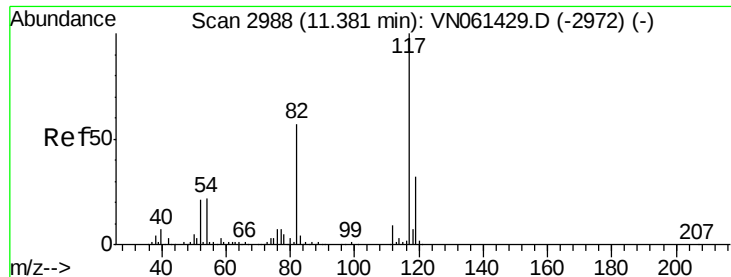
Ion Ratio Lower Upper

95 100

174 75.2 0.0 141.2

176 72.7 0.0 137.6

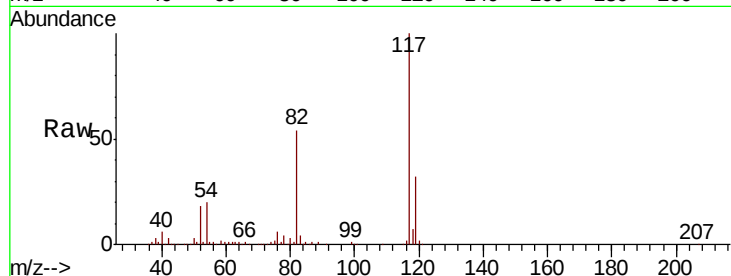




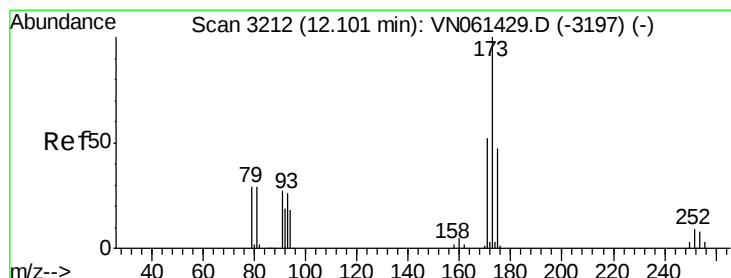
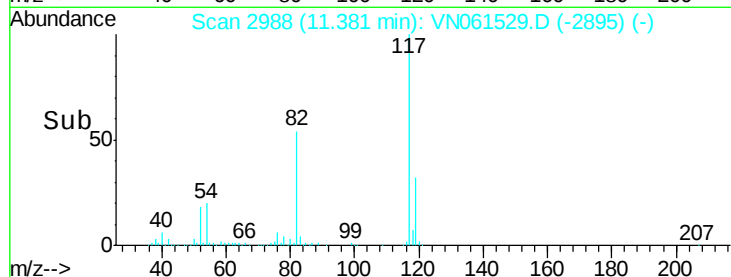
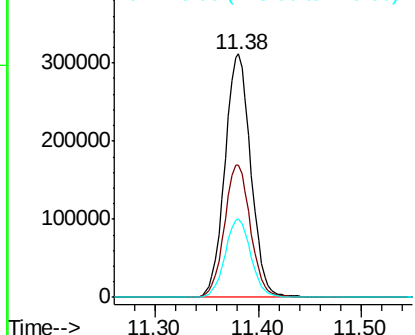
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061529.D
Acq: 21 May 2020 14:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 545960
Ion Ratio Lower Upper
117 100
82 54.5 45.2 67.8
119 32.2 25.3 37.9

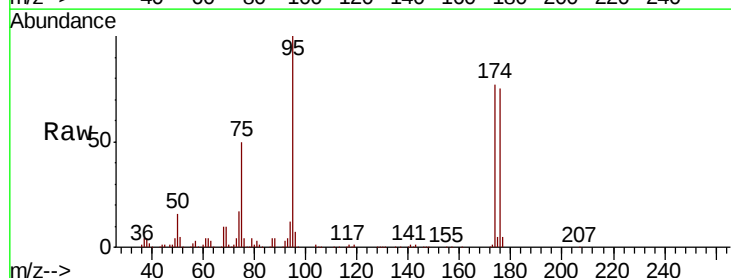


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

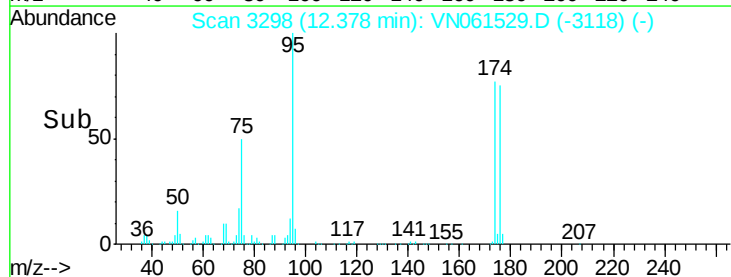
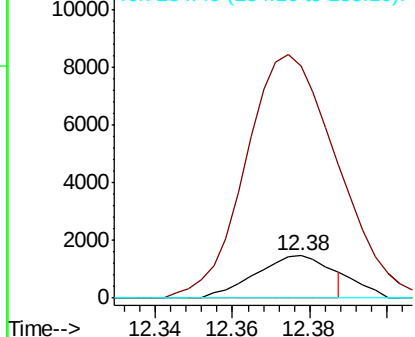


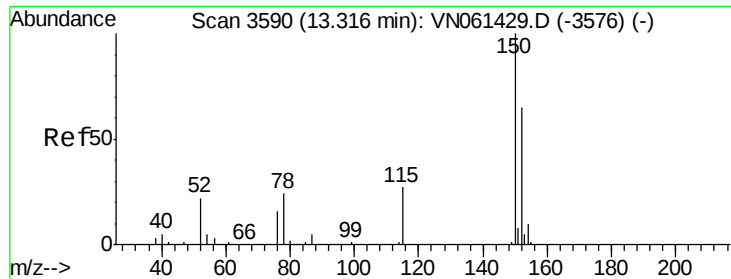
#71
Bromoform
Concen: 2.629 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061529.D
Acq: 21 May 2020 14:40

Tgt Ion:173 Resp: 1970
Ion Ratio Lower Upper
173 100
175 617.9 23.9 71.8#
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: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061529.D

Acq: 21 May 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

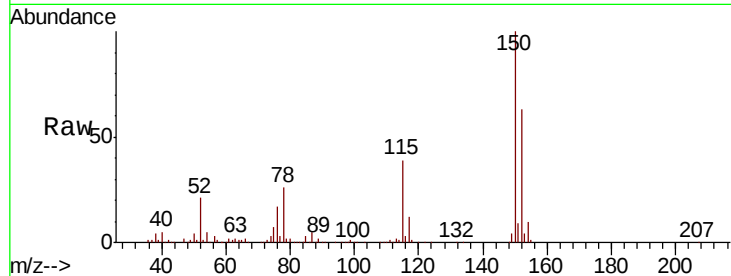
Tot Ion:152 Resp: 240189

Ion Ratio Lower Upper

152 100

115 61.2 30.9 92.5

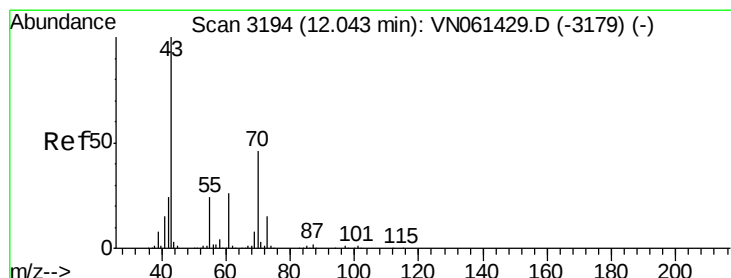
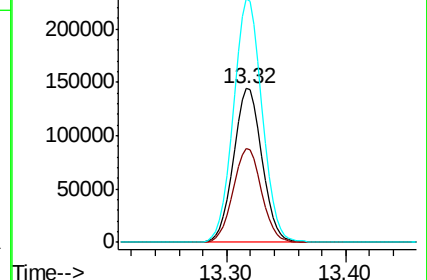
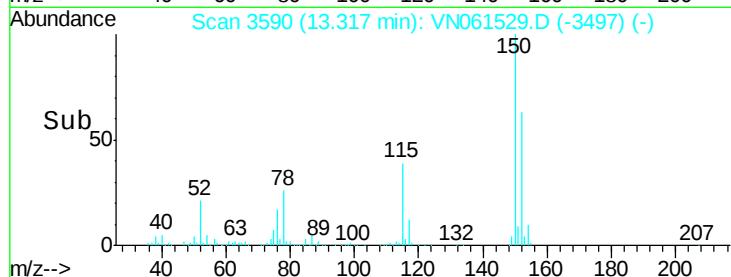
150 158.8 0.0 349.2



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-ethyl acetate

Concen: 0.465 ug/l

RT: 12.00 min Scan# 3181

Delta R.T. -0.04 min

Lab File: VN061529.D

Acq: 21 May 2020 14:40

Tgt Ion: 43 Resp: 3282

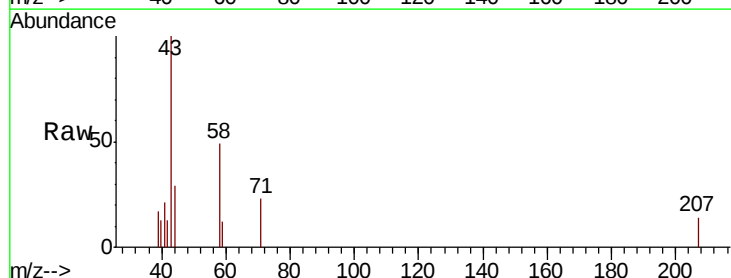
Ion Ratio Lower Upper

43 100

70 0.0 37.0 55.4#

55 2.1 19.5 29.3#

61 0.0 20.8 31.2#

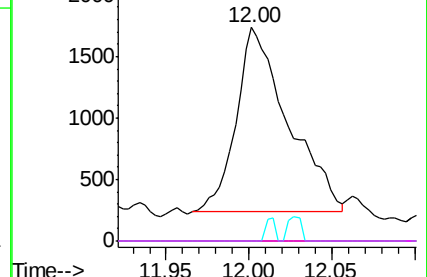
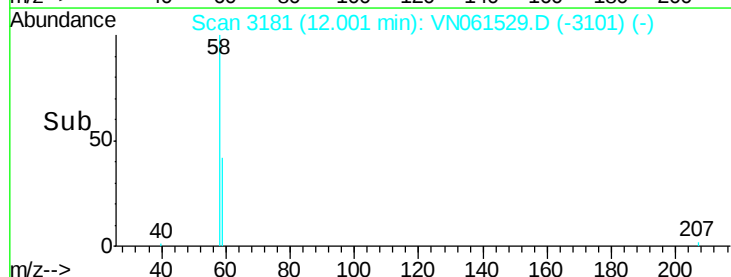


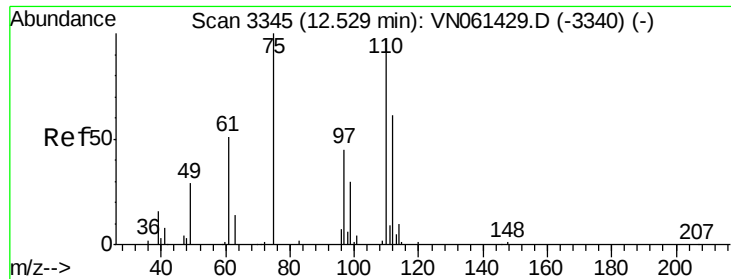
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 25.194 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061529.D

Acq: 21 May 2020 14:40

Instrument :

MSVOA_N

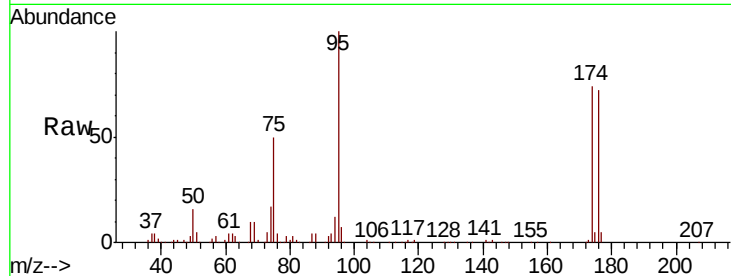
ClientSampled :

Tot Ion: 75 Resp: 129845

Ion Ratio Lower Upper

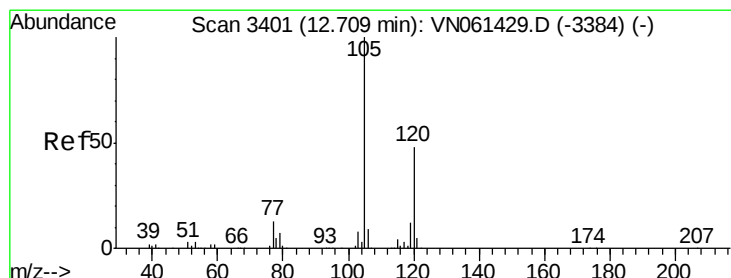
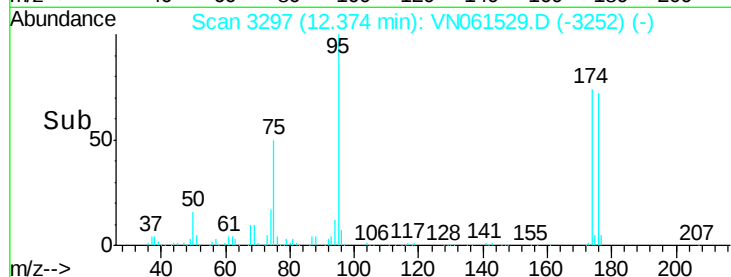
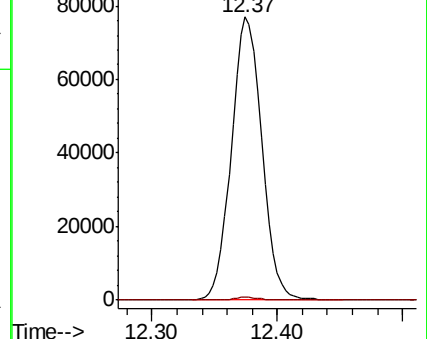
75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061529.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061529.D (-3252) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.277 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061529.D

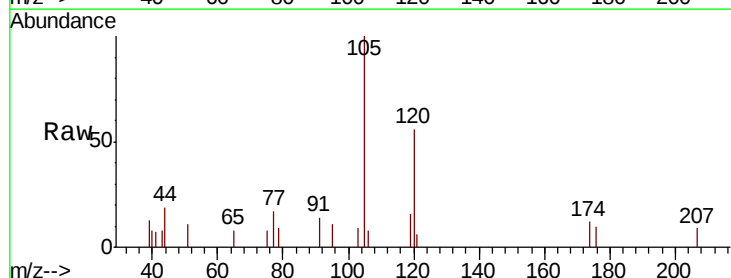
Acq: 21 May 2020 14:40

Tgt Ion: 105 Resp: 4376

Ion Ratio Lower Upper

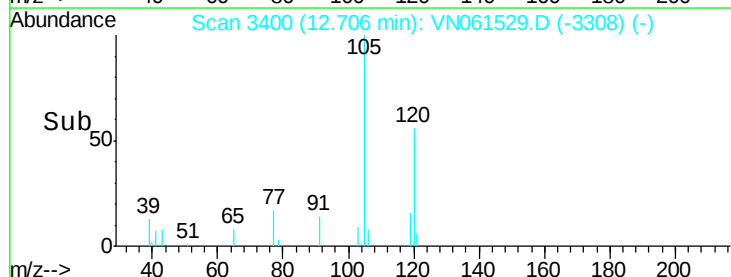
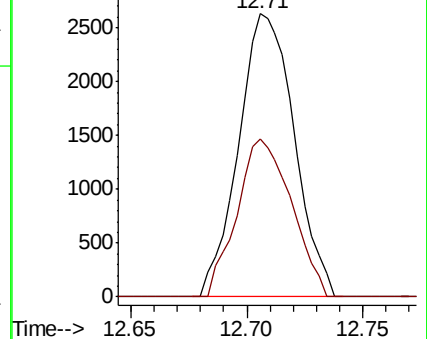
105 100

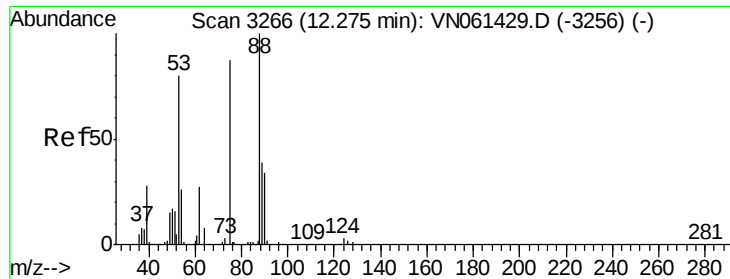
120 54.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061529.D (-3308) (-)

Ion 120.00 (119.70 to 120.70): VN061529.D (-3308) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 66.833 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061529.D

Acq: 21 May 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 129845

Ion Ratio Lower Upper

75 100

53 0.0 75.2 112.8#

89 0.0 38.2 57.4#

