

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064796.D
 Acq On : 24 Nov 2020 1:33
 Operator : JC/MD
 Sample : L4829-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: Nov 24 03:24:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	153531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	278452	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	289395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	132827	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	103200	57.82	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	115.64%
35) Dibromofluoromethane	7.55	113	92603	55.58	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	111.16%
50) Toluene-d8	10.06	98	343476	50.45	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.90%
62) 4-Bromofluorobenzene	12.37	95	134947	55.39	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.78%

Target Compounds

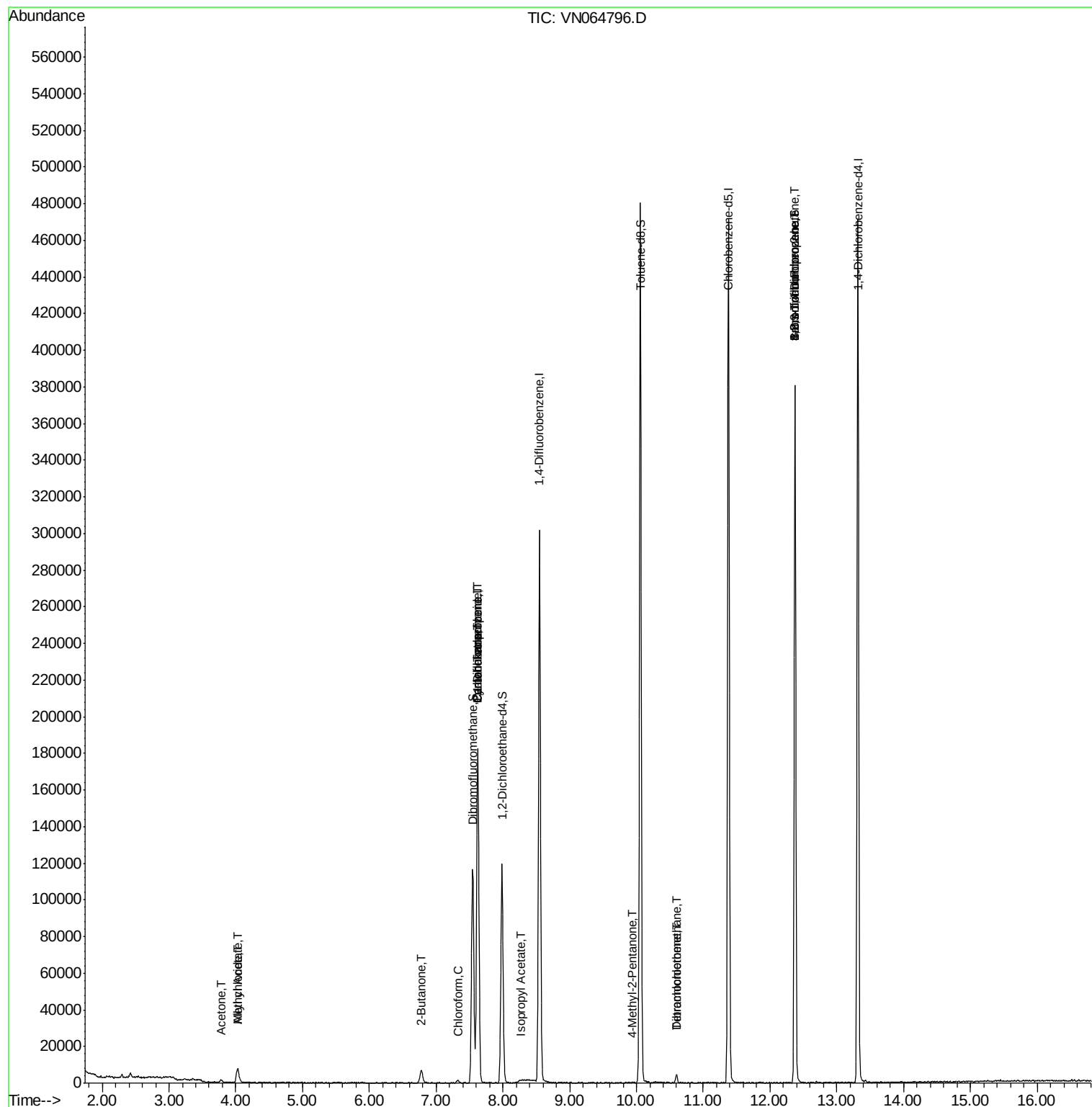
					Qvalue	
14) Allyl chloride	4.03	41	1288	0.525	ug/l #	56
16) Acetone	3.78	43	2329	3.969	ug/l	99
18) Methyl Acetate	4.03	43	3571	2.024	ug/l #	50
25) 2-Butanone	6.78	43	280	0.294	ug/l #	49
30) Chloroform	7.32	83	1878	0.620	ug/l #	71
31) Cyclohexane	7.63	56	2741	1.102	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	10951	4.243	ug/l #	48
38) Carbon Tetrachloride	7.62	117	14327	5.335	ug/l #	18
43) Isopropyl Acetate	8.25	43	1330	0.332	ug/l #	59
51) 4-Methyl-2-Pentanone	9.95	43	587	0.244	ug/l #	35
60) Dibromochloromethane	10.60	129	1116	0.501	ug/l #	10
64) Tetrachloroethene	10.60	164	1398	0.497	ug/l #	79
71) Bromoform	12.38	173	907	0.497	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	64701	22.618	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	64701	61.992	ug/l #	15

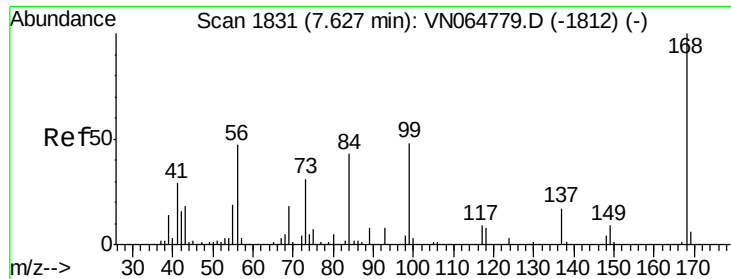
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064796.D

Acq: 24 Nov 2020 1:33

Instrument :

MSVOA_N

ClientSampled :

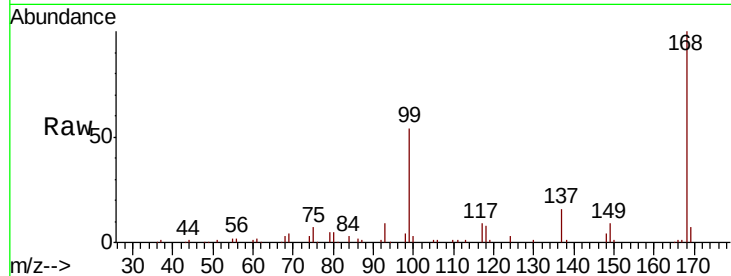
MW-4

Tot Ion:168 Resp: 153531

Ion Ratio Lower Upper

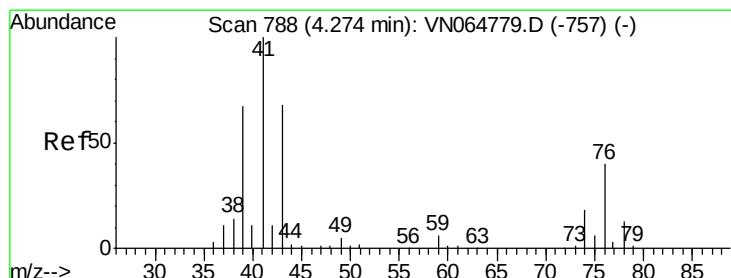
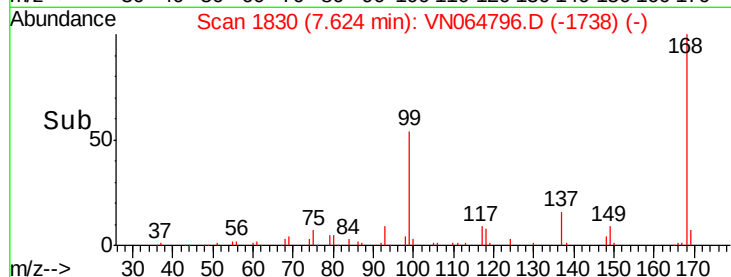
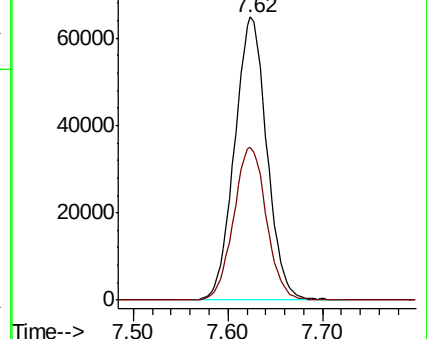
168 100

99 54.0 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#14

Allyl chloride

Concen: 0.525 ug/l

RT: 4.03 min Scan# 711

Delta R.T. -0.25 min

Lab File: VN064796.D

Acq: 24 Nov 2020 1:33

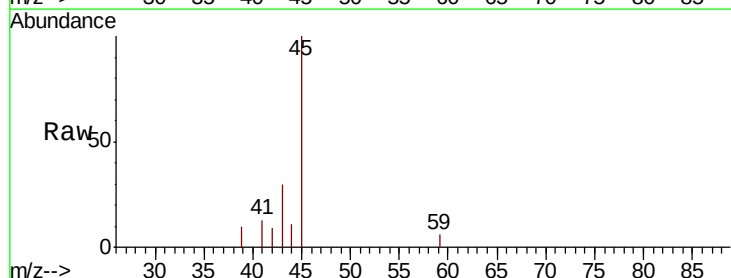
Tgt Ion: 41 Resp: 1288

Ion Ratio Lower Upper

41 100

39 89.7 50.9 76.3#

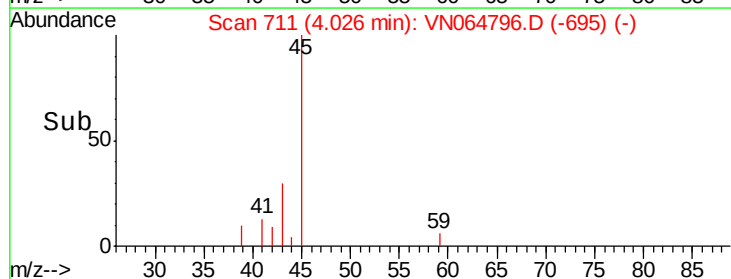
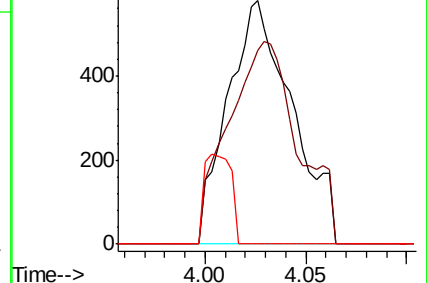
76 0.0 29.0 43.4#

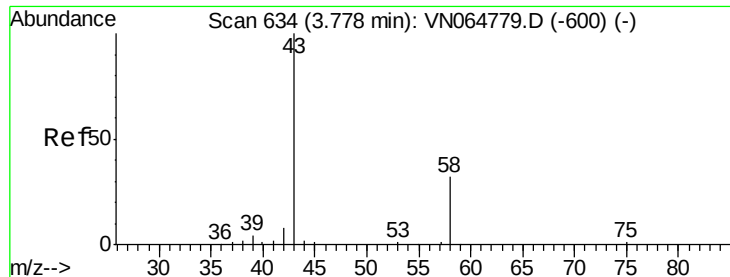


Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN





#16

Acetone

Concen: 3.969 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064796.D

Acq: 24 Nov 2020 1:33

Instrument :

MSVOA_N

ClientSampled :

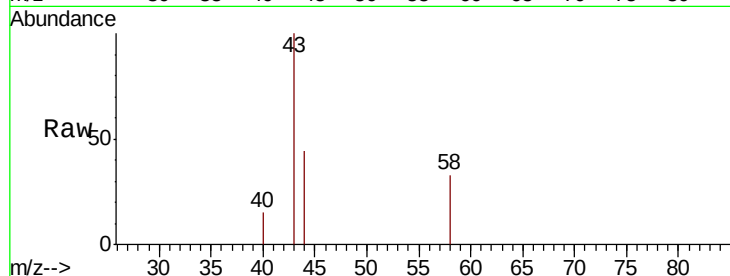
MW-4

Tot Ion: 43 Resp: 2329

Ion Ratio Lower Upper

43 100

58 32.5 25.7 38.5

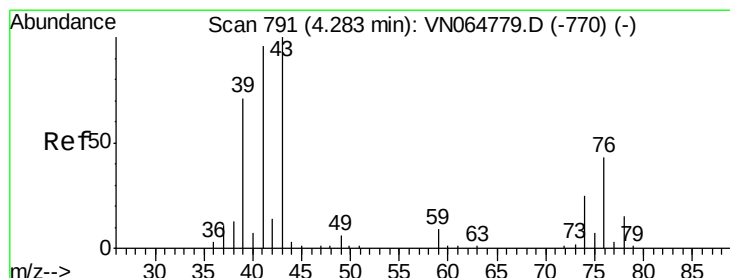
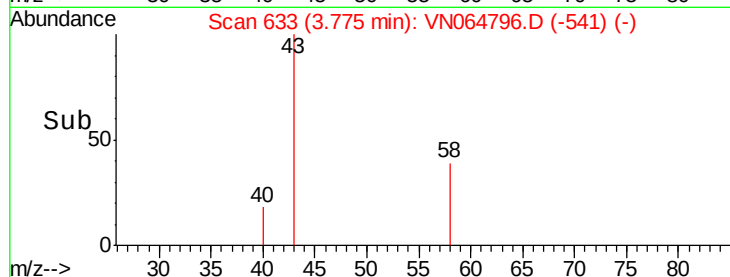


Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-600) (-)

Time--> 3.70 3.75 3.80

3.78



#18

Methyl Acetate

Concen: 2.024 ug/l

RT: 4.03 min Scan# 712

Delta R.T. -0.25 min

Lab File: VN064796.D

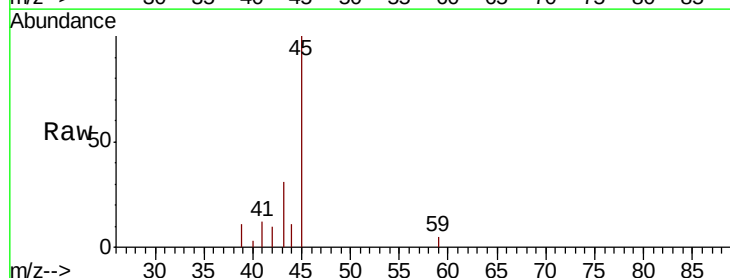
Acq: 24 Nov 2020 1:33

Tgt Ion: 43 Resp: 3571

Ion Ratio Lower Upper

43 100

74 0.0 20.2 30.2#

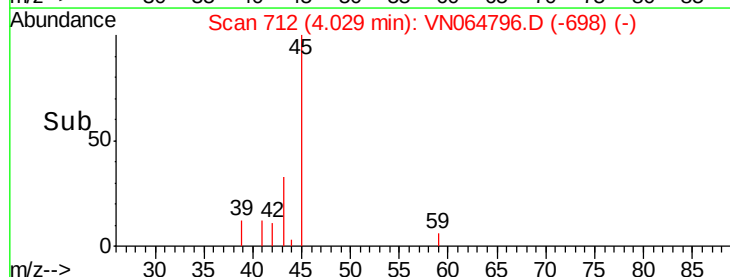


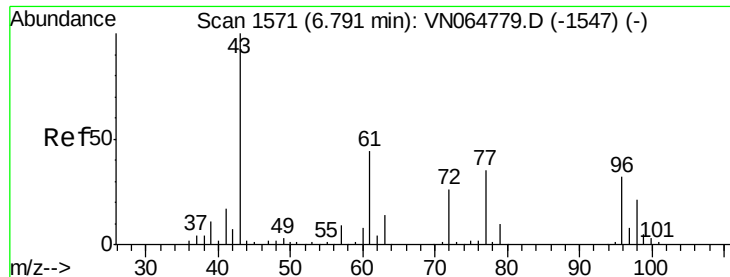
Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-770) (-)

Ion 74.00 (73.70 to 74.70): VN064779.D (-770) (-)

Time--> 3.95 4.00 4.05 4.10

4.03





#25

2-Butanone

Concen: 0.294 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VN064796.D

Acq: 24 Nov 2020 1:33

Instrument :

MSVOA_N

ClientSampled :

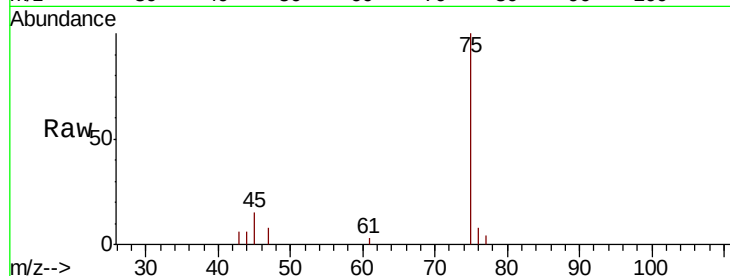
MW-4

Tot Ion: 43 Resp: 280

Ion Ratio Lower Upper

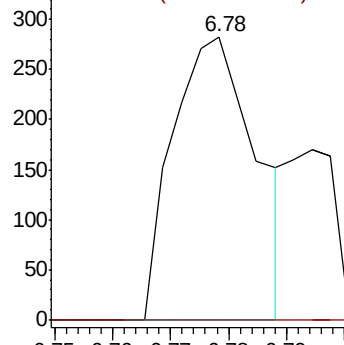
43 100

72 0.0 21.0 31.6#

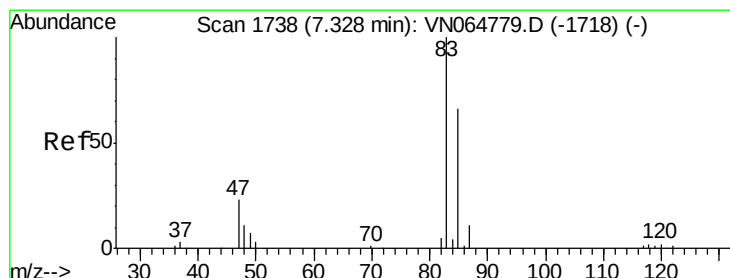
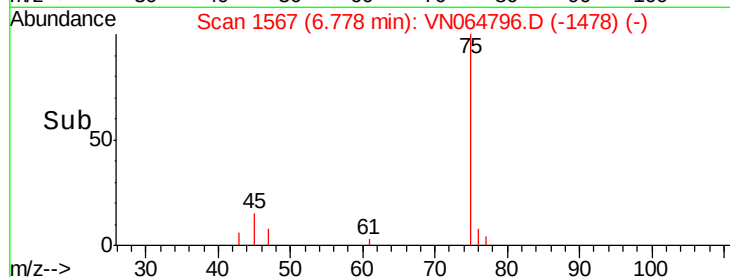


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time--> 6.75 6.76 6.77 6.78 6.79



#30

Chloroform

Concen: 0.620 ug/l

RT: 7.32 min Scan# 1736

Delta R.T. -0.01 min

Lab File: VN064796.D

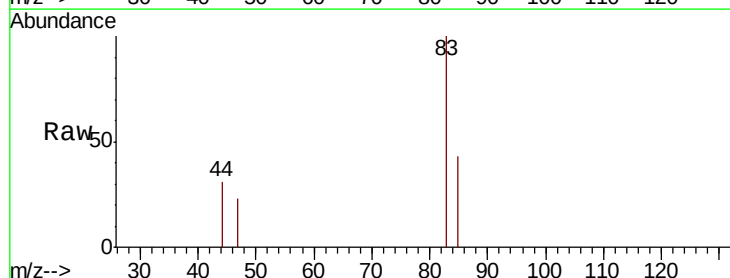
Acq: 24 Nov 2020 1:33

Tgt Ion: 83 Resp: 1878

Ion Ratio Lower Upper

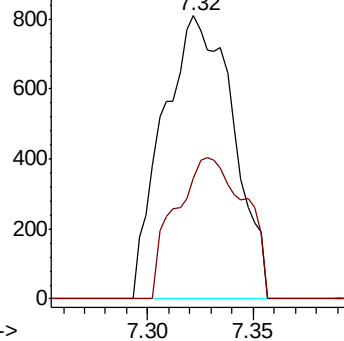
83 100

85 42.9 52.6 78.8#

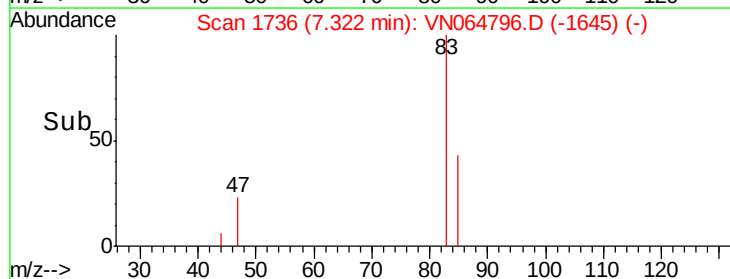


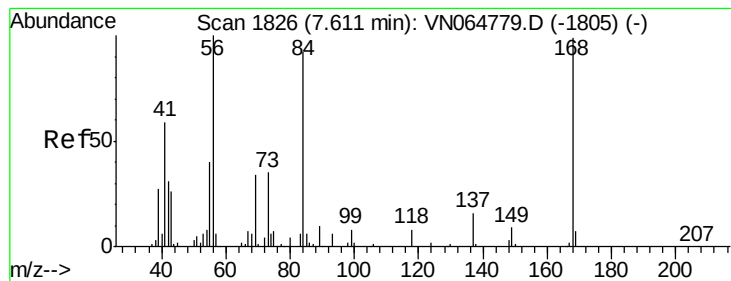
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time--> 7.30 7.35





#31

Cyclohexane

Concen: 1.102 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.02 min

Lab File: VN064796.D

Acq: 24 Nov 2020 1:33

Instrument :

MSVOA_N

ClientSampled :

MW-4

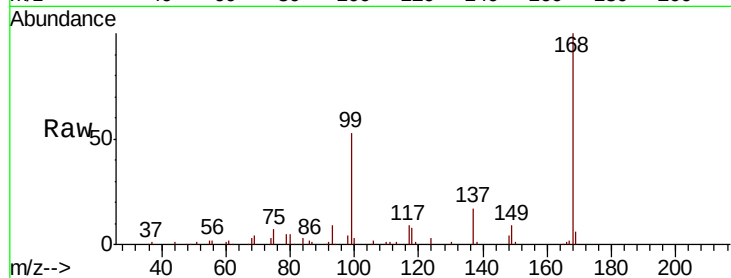
Tot Ion: 56 Resp: 2741

Ion Ratio Lower Upper

56 100

69 182.0 27.5 41.3#

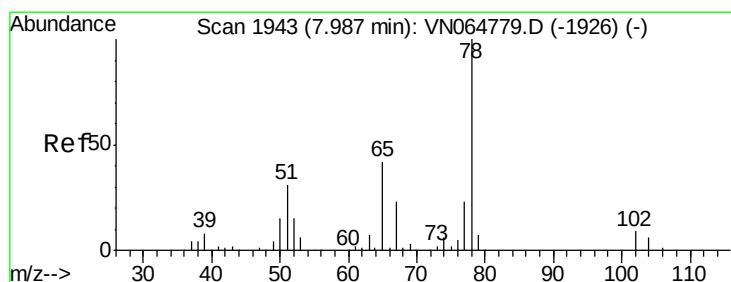
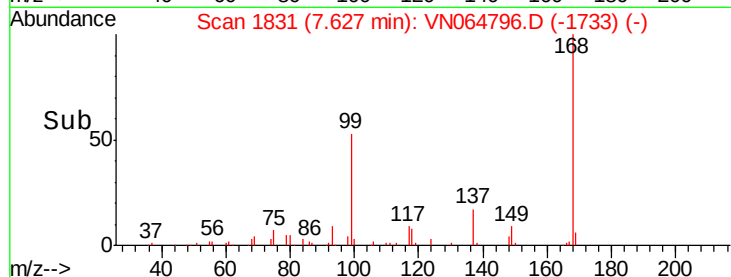
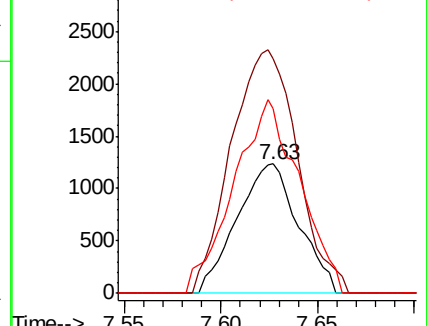
84 142.7 73.9 110.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 57.818 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064796.D

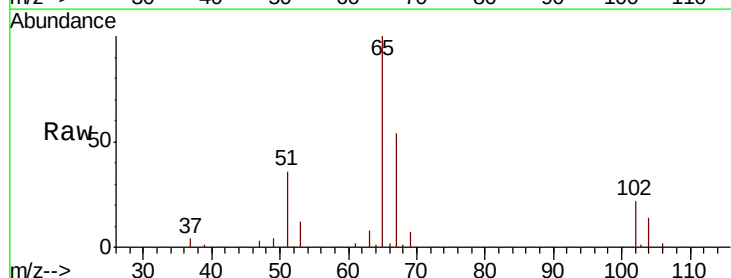
Acq: 24 Nov 2020 1:33

Tgt Ion: 65 Resp: 103200

Ion Ratio Lower Upper

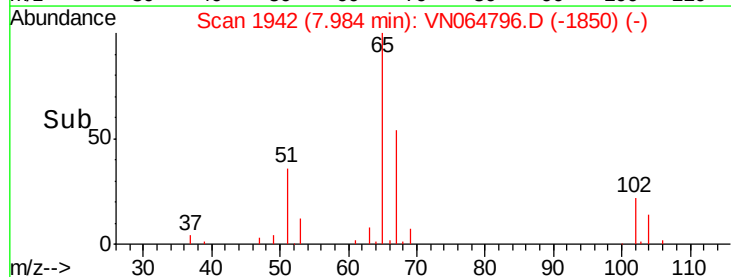
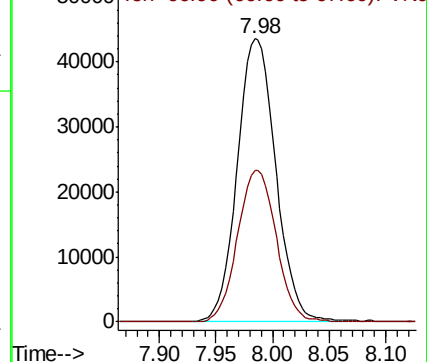
65 100

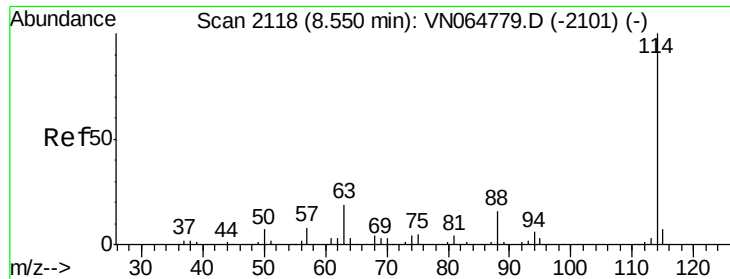
67 53.9 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

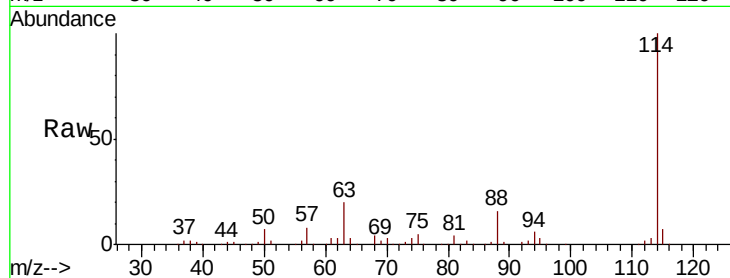




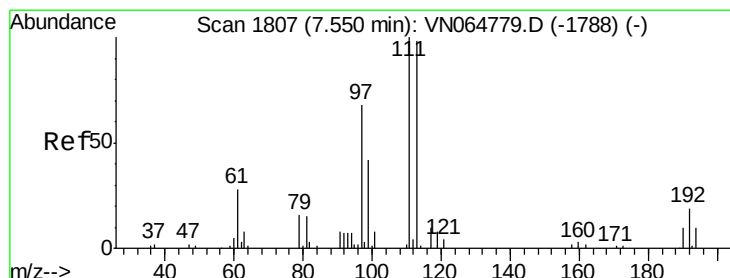
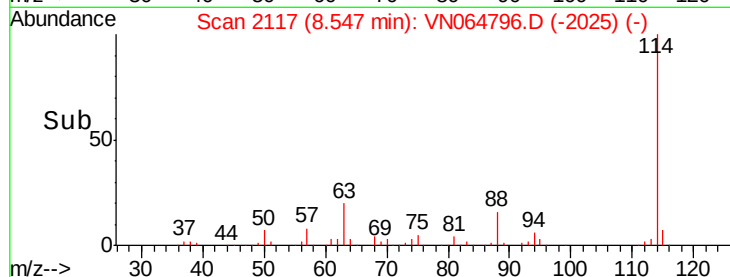
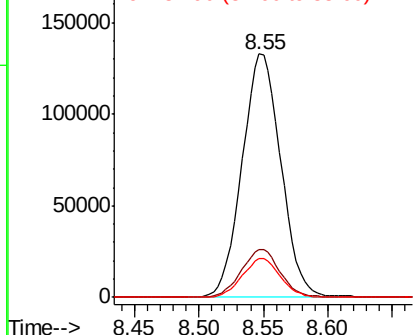
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2117
Delta R.T. -0.00 min
Lab File: VN064796.D
Acq: 24 Nov 2020 1:33

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Tot Ion:114 Resp: 278452
Ion Ratio Lower Upper
114 100
63 19.7 0.0 38.6
88 15.7 0.0 32.6

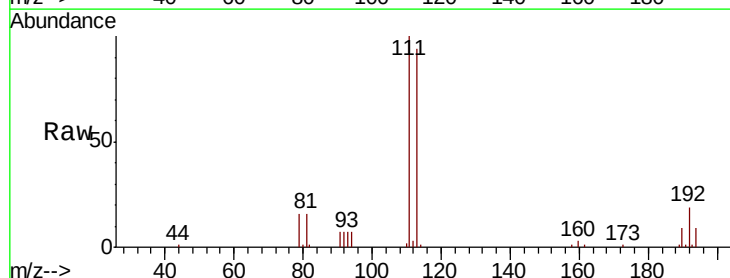


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

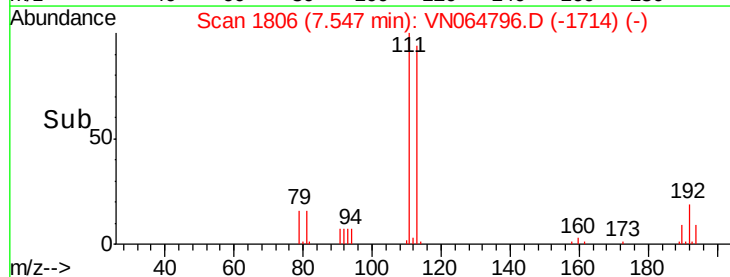
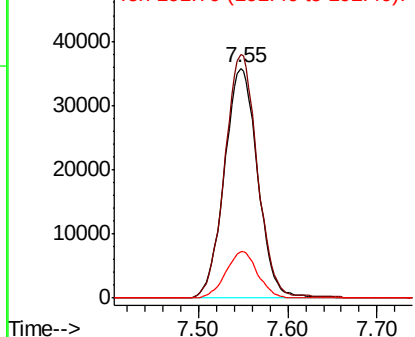


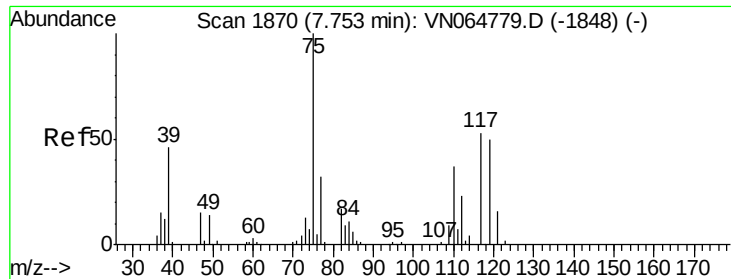
#35
Dibromofluoromethane
Concen: 55.578 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064796.D
Acq: 24 Nov 2020 1:33

Tgt Ion:113 Resp: 92603
Ion Ratio Lower Upper
113 100
111 104.2 81.6 122.4
192 19.3 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

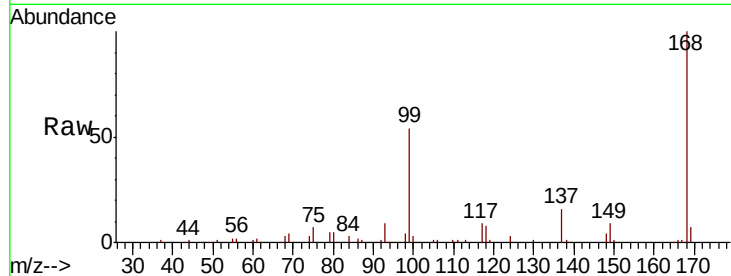




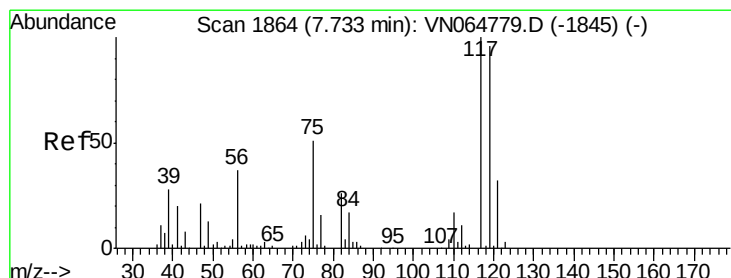
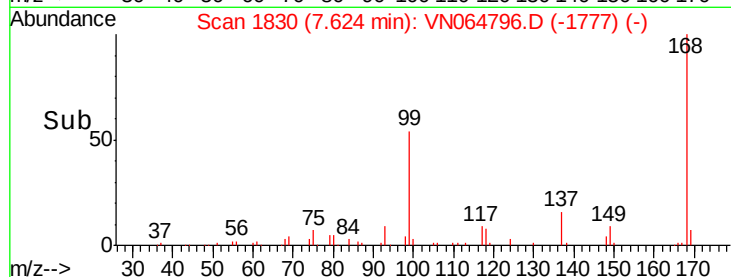
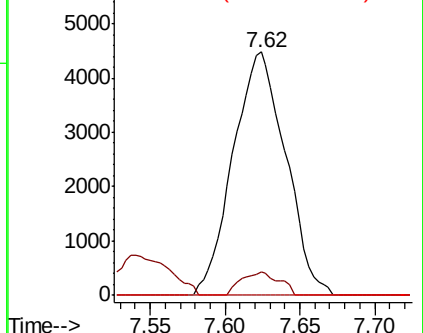
#36
 1,1-Dichloropropene
 Concen: 4.243 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064796.D
 Acq: 24 Nov 2020 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.0	17.8	53.3#
77	0.0	25.0	37.4#

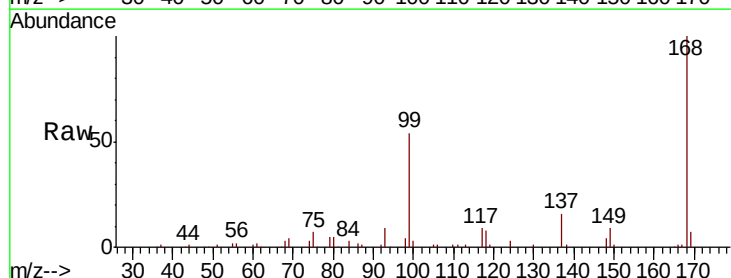


Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-1848) (-)
 Ion 109.90 (109.60 to 110.60): VN064779.D (-1848) (-)
 Ion 76.90 (76.60 to 77.60): VN064779.D (-1848) (-)

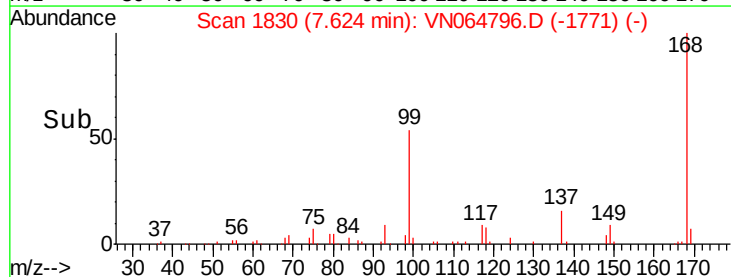
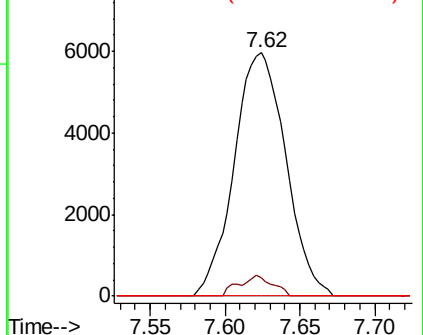


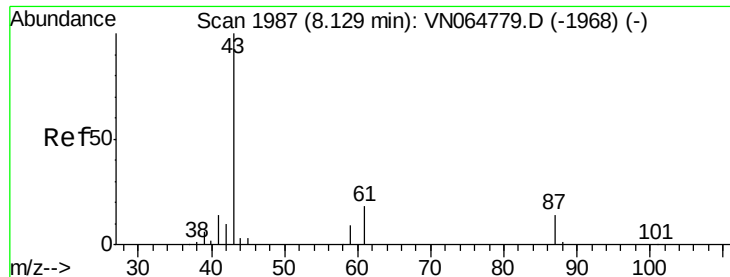
#38
 Carbon Tetrachloride
 Concen: 5.335 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN064796.D
 Acq: 24 Nov 2020 1:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.4	76.7	115.1#
121	0.0	25.4	38.2#



Abundance Ion 116.80 (116.50 to 117.50): VN064779.D (-1845) (-)
 Ion 118.80 (118.50 to 119.50): VN064779.D (-1845) (-)
 Ion 120.80 (120.50 to 121.50): VN064779.D (-1845) (-)





#43

Isopropyl Acetate

Concen: 0.332 ug/l

RT: 8.25 min Scan# 2026

Delta R.T. 0.13 min

Lab File: VN064796.D

Acq: 24 Nov 2020 1:33

Instrument :

MSVOA_N

ClientSampled :

MW-4

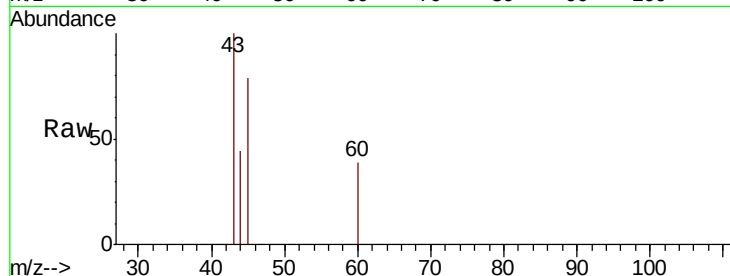
Tot Ion: 43 Resp: 1330

Ion Ratio Lower Upper

43 100

61 0.0 17.2 25.8#

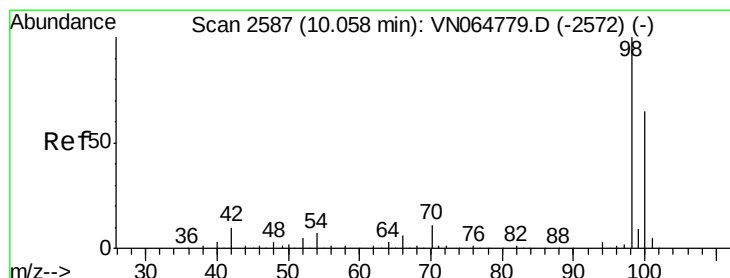
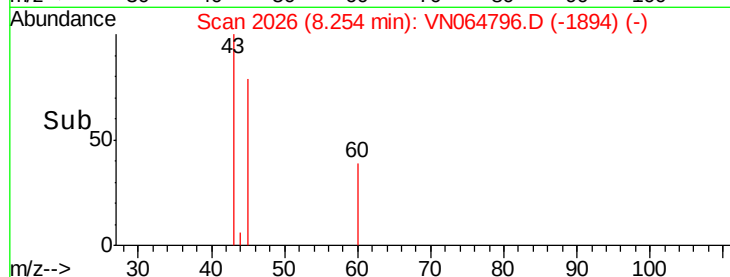
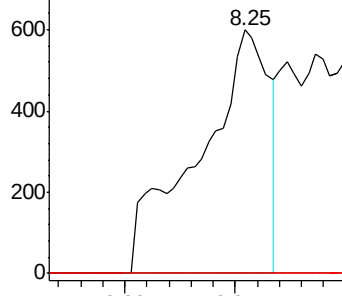
87 0.0 11.4 17.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 50.453 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064796.D

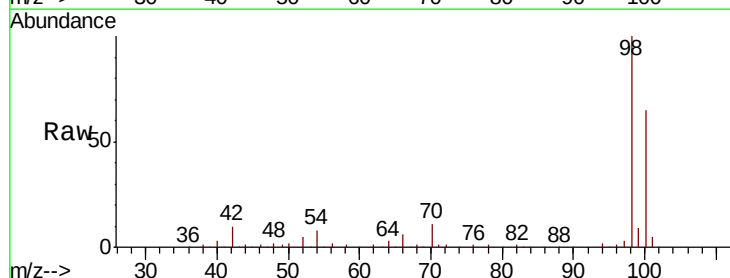
Acq: 24 Nov 2020 1:33

Tgt Ion: 98 Resp: 343476

Ion Ratio Lower Upper

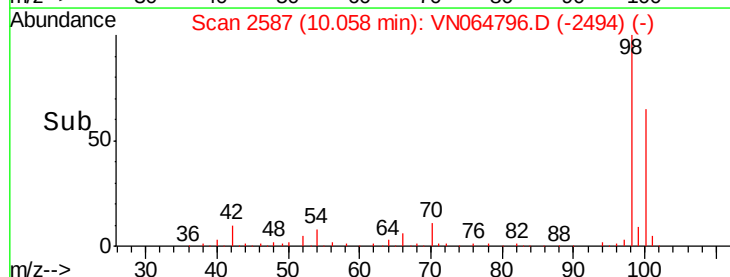
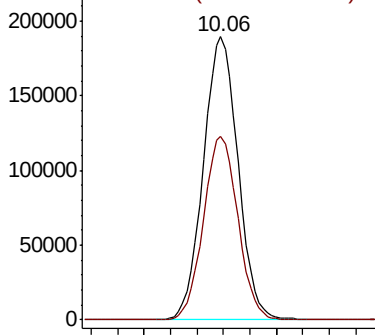
98 100

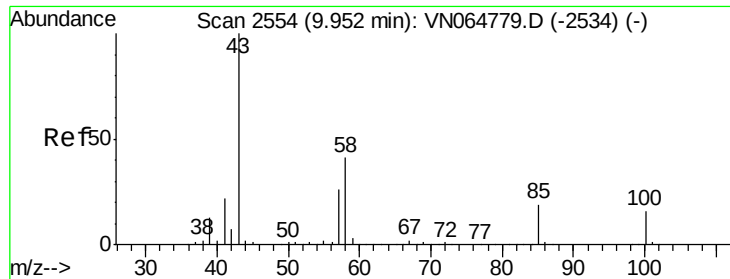
100 64.7 51.7 77.5



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: 0.244 ug/l

RT: 9.95 min Scan# 2552

Delta R.T. -0.01 min

Lab File: VN064796.D

Acq: 24 Nov 2020 1:33

Instrument :

MSVOA_N

ClientSampled :

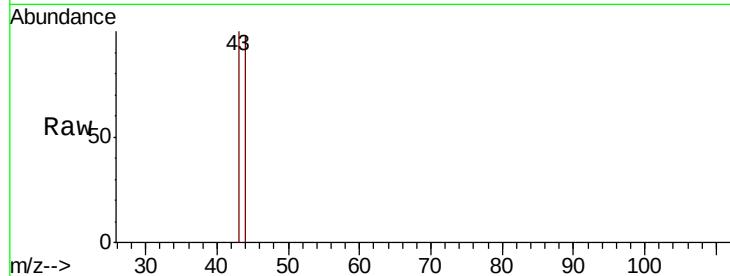
MW-4

Tot Ion: 43 Resp: 587

Ion Ratio Lower Upper

43 100

58 0.0 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

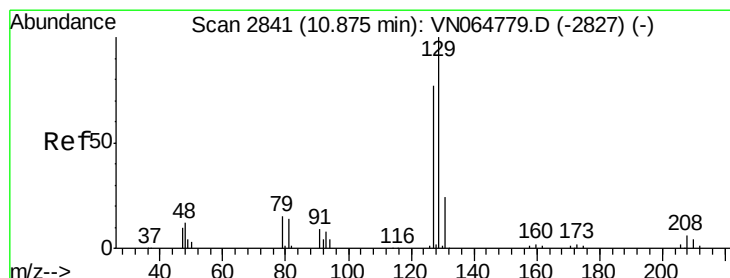
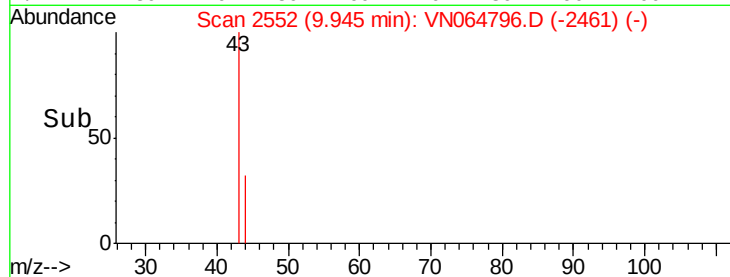
300

200

100

0

Time--> 9.90



#60

Dibromochloromethane

Concen: 0.501 ug/l

RT: 10.60 min Scan# 2755

Delta R.T. -0.28 min

Lab File: VN064796.D

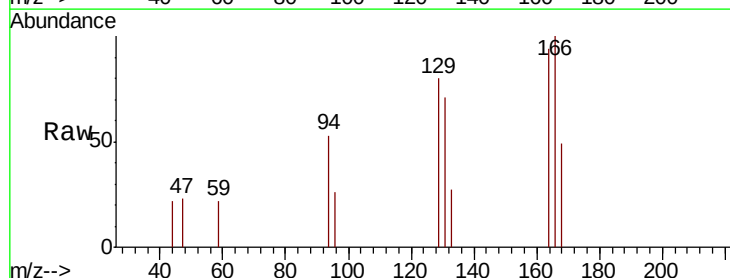
Acq: 24 Nov 2020 1:33

Tgt Ion: 129 Resp: 1116

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.60

800

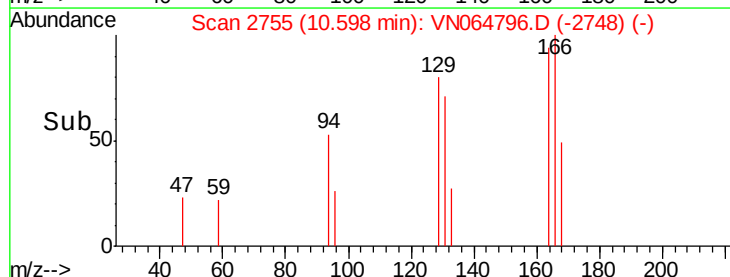
600

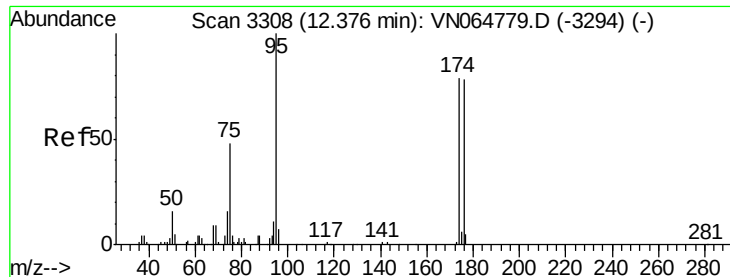
400

200

0

Time--> 10.60





#62

4-Bromofluorobenzene

Concen: 55.388 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064796.D

Acq: 24 Nov 2020 1:33

Instrument :

MSVOA_N

ClientSampled :

MW-4

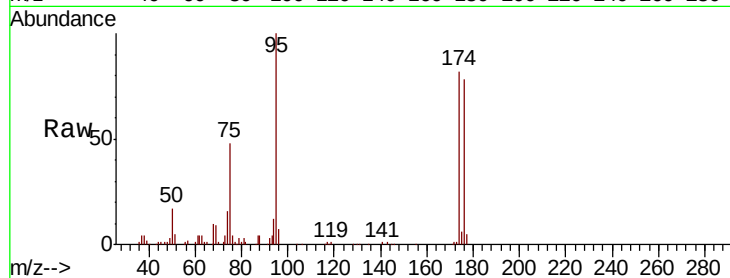
Tot Ion: 95 Resp: 134947

Ion Ratio Lower Upper

95 100

174 82.8 0.0 160.4

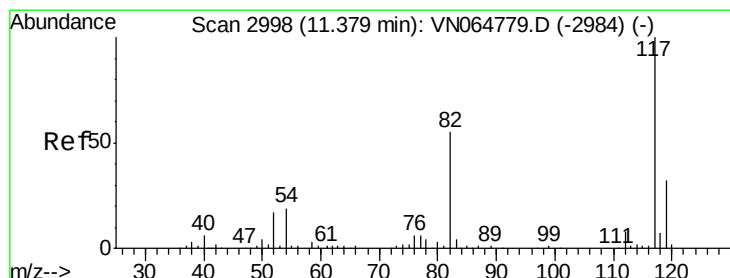
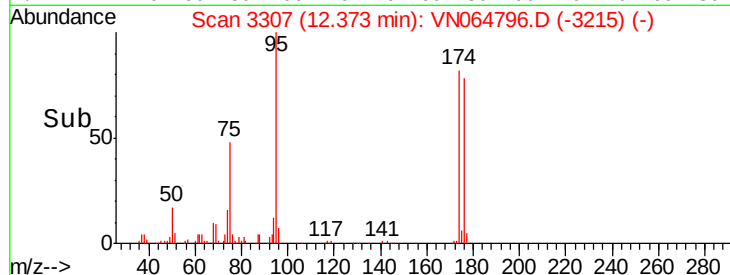
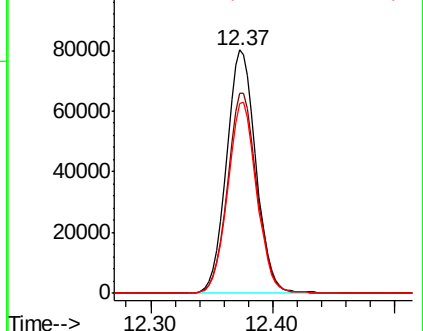
176 77.7 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064796.D

Acq: 24 Nov 2020 1:33

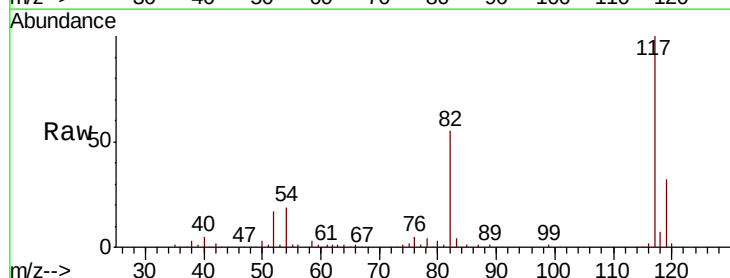
Tgt Ion: 117 Resp: 289395

Ion Ratio Lower Upper

117 100

82 55.0 44.2 66.2

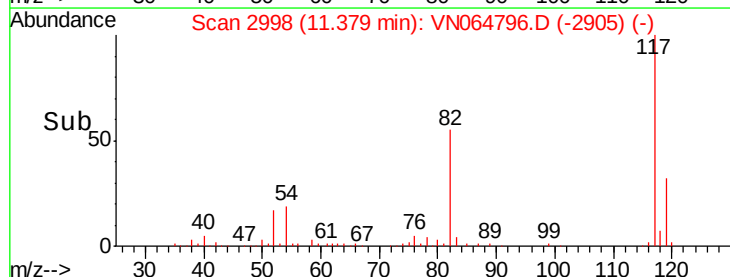
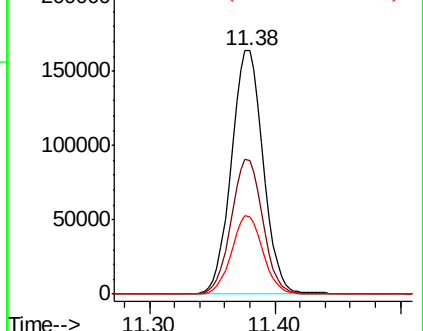
119 31.7 25.8 38.6

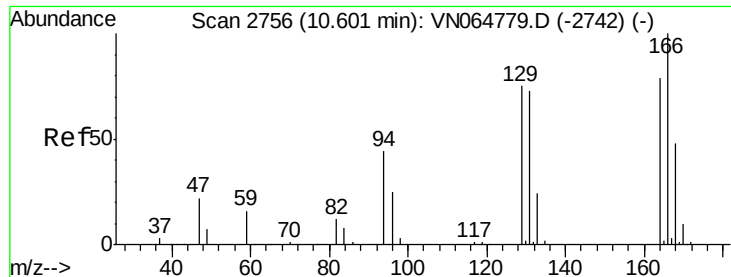


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#64

Tetrachloroethene

Concen: 0.497 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064796.D

Acq: 24 Nov 2020 1:33

Instrument :

MSVOA_N

ClientSampled :

MW-4

Tot Ion:164 Resp: 1398

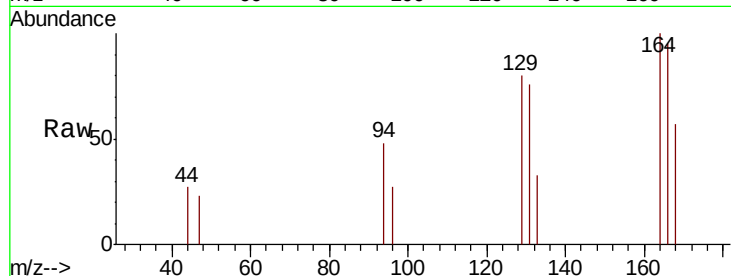
Ion Ratio Lower Upper

164 100

166 94.5 101.4 152.0#

129 80.0 76.1 114.1

131 76.1 74.2 111.2

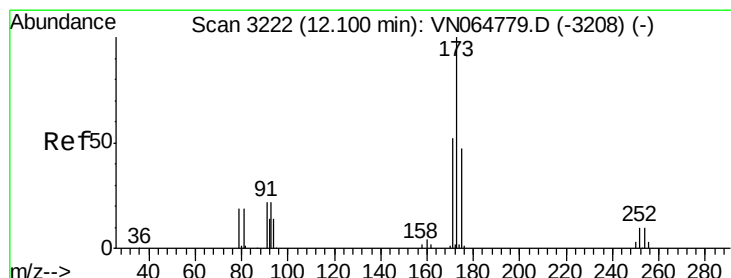
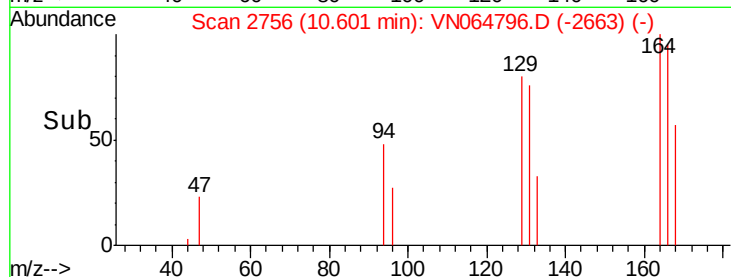
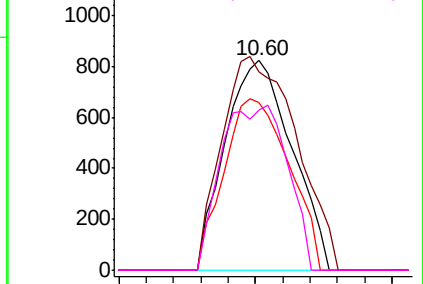


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 0.497 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN064796.D

Acq: 24 Nov 2020 1:33

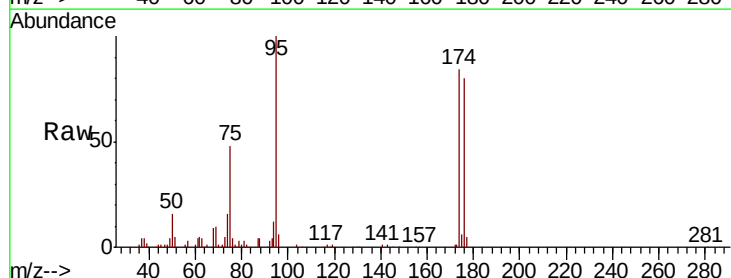
Tgt Ion:173 Resp: 907

Ion Ratio Lower Upper

173 100

175 805.4 24.3 72.8#

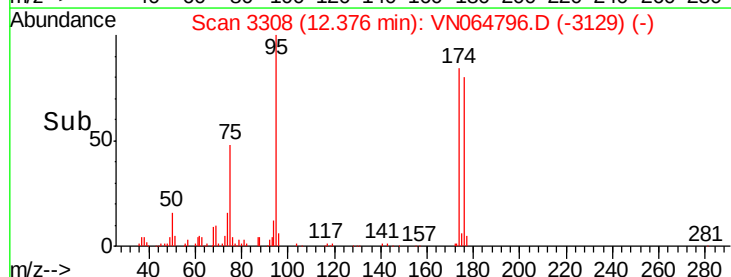
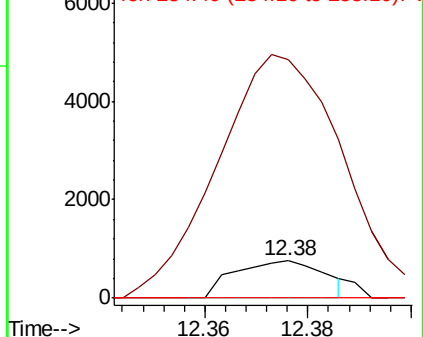
254 0.0 0.0 0.0

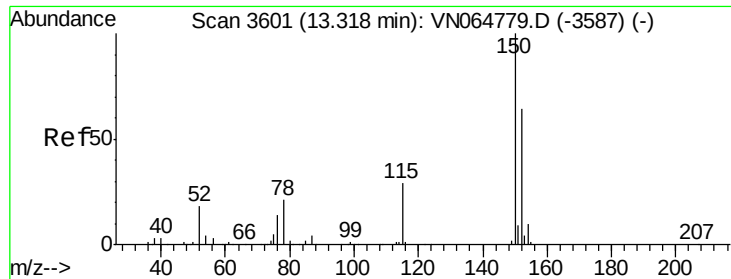


Abundance Ion 172.70 (172.40 to 173.40): V

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# 3600

Delta R.T. -0.00 min

Lab File: VN064796.D

Acq: 24 Nov 2020 1:33

Instrument :

MSVOA_N

ClientSampled :

MW-4

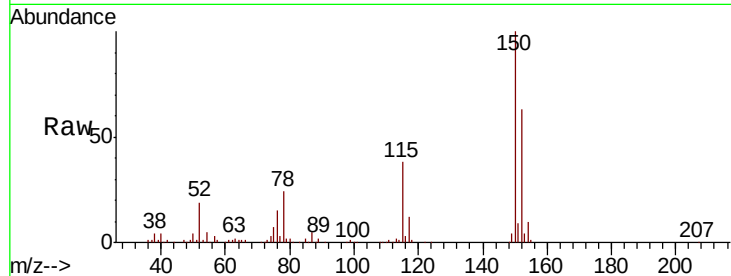
Tot Ion:152 Resp: 132827

Ion Ratio Lower Upper

152 100

115 59.3 29.7 89.1

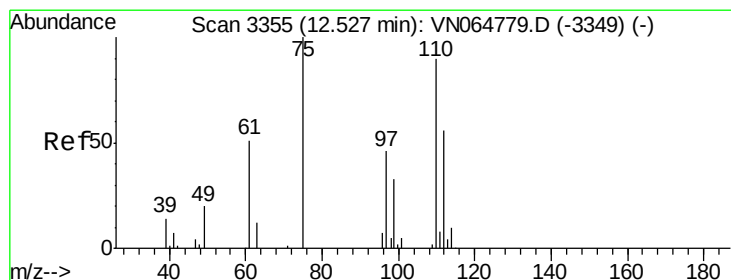
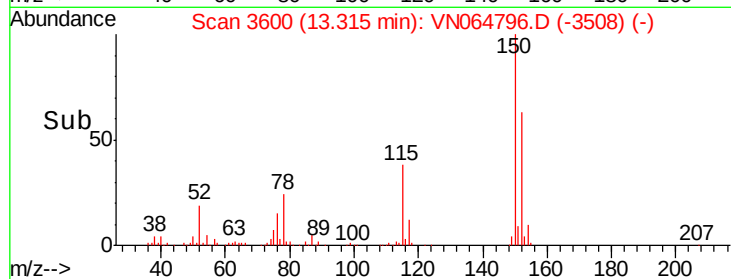
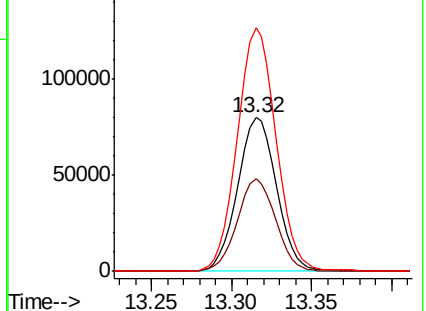
150 158.1 0.0 350.6



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



#76

1,2,3-Trichloropropane

Concen: 22.618 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064796.D

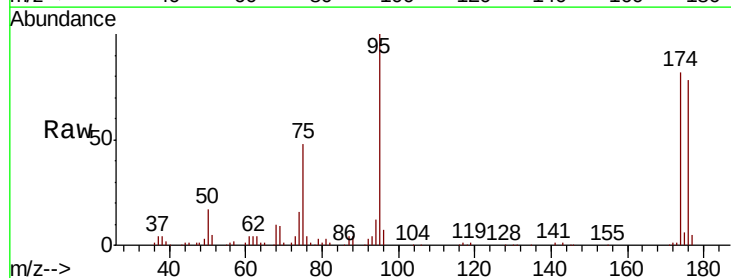
Acq: 24 Nov 2020 1:33

Tgt Ion: 75 Resp: 64701

Ion Ratio Lower Upper

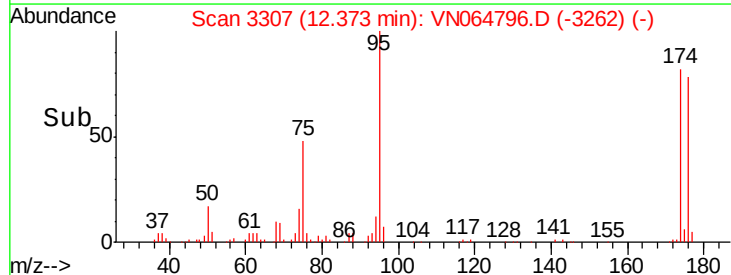
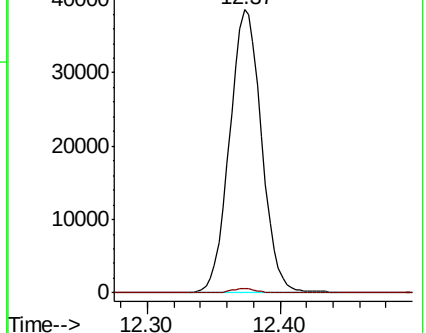
75 100

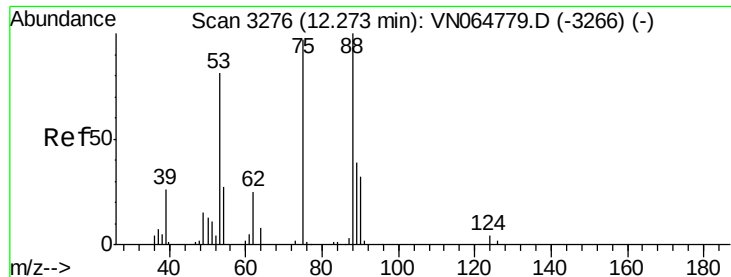
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 61.992 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064796.D

Acq: 24 Nov 2020 1:33

Instrument :

MSVOA_N

ClientSampleId :

MW-4

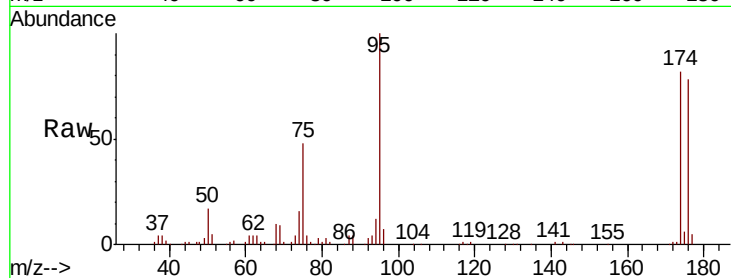
Tot Ion: 75 Resp: 64701

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#



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

